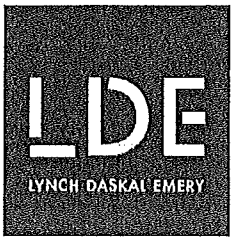
Rec'd 7/4/16

PRA#17173



June 23, 2016

The Port Authority of New York and New Jersey
4 World Trade Center, 150 Greenwich Street,
New York, NY 10007

Re: Freedom of Information Law Request

Dear Records Access Officer:

Pursuant to the New York Freedom of Information Law, I hereby request the following: any and all abatement records for John F. Kennedy International Airport from 1964 – 1980. I am willing to pay a reasonable cost of completing this request, please send an invoice to my attention.

Please send the above requested records to:

Lynch Daskal Emery LLP
c/o Elissa D. Regev
137 West 25th Street, 5th Floor
New York, New York 10001

Thank you for your consideration of this request. If for any reason any portion of my request is denied, please inform me of the reasons for the denial in writing and provide the name and address of the person or body to whom an appeal should be directed.

By: _____

Lynch Daskal Emery LLP
Elissa D. Regev
137 West 25th Street, 5th Floor
New York, New York 10001

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY **PRA #17173**
PUBLIC RECORD ACCESS FORM

Action by (print / type name):

William Shalewitz, Freedom of Information Administrator

Signature: Date:

09/19/2016

On behalf of the Secretary of the Port Authority, as Records Access Officer and Custodian of Government Records of the Port Authority.

- [x] The requested records are being made available.
- [ ] Any responsive records that may exist are currently in storage or archived, and a diligent search is being conducted. The Port Authority will respond by:
- [ ] A diligent search has been conducted, and no records responsive to your request have been located.
- [ ] The requested records that have been located are not being made available, as they are exempt from disclosure for the following specific reasons:
- [ ] Some requested records that have been located are being made available. The remainder are exempt from disclosure for the following specific reasons:
- [x] The request does not reasonably describe or identify specific records; therefore, the Port Authority is unable to search for and locate responsive records. Please consider submitting a new request that describes or identifies the specific records requested with particularity and detail.
- [x] Other:

Material responsive to your request can be found on the Port Authority's website at http://corpinfo.panynj.gov/documents/17173-O/. Exemptions applied for atty work-product. Please be advised, records that may have been responsive to your request, to the extent they existed may have been destroyed at the World Trade Center on 9/11/2011. In order to further process your request, kindly provide the location/terminal at JFK for which you seek records.

This form is promulgated by the Port Authority pursuant to the Port Authority Public Records Access Policy and is intended to be construed consistent with the New York Freedom of Information Law and the New Jersey Open Public Records Act. It is intended to facilitate requests for Port Authority public records and does not constitute legal advice.

PAN AM AIRLINES TERMINAL

BUILDING 53

FINDINGS AND OBSERVATIONS

BUILDING 53 - PAN AM AIRLINES TERMINAL

The original north, oval shaped terminal building was constructed in 1960. It consists of a basement, ground, departure, and mezzanine levels; and a penthouse air handling room on the roof. The new World Center addition was constructed from 1970 through 1971, and is connected to the original building by ramps on the departure levels. The addition consists of lower, apron, departure, and fourth floor levels, along with penthouse air plenum rooms over the fourth floor office areas.

The building is heated with hot water forced-air and cooled with chilled water in the large public areas. The perimeter office areas utilize radiant hot water heating. The high temperature hot water and chilled water are supplied from the Central Heating and Refrigeration Plant and enter the building at Mechanical Equipment Room #6 in the basement and at Mechanical Equipment Room #1 on the lower level of the World Center.

Tenants in this building include Pan Am Airlines, U.S. Customs, Marriott, Alert Special Services, U.S. Department of Agriculture, ARA Cafeteria Services, Duty Free, Aeroflot, Saudi Airlines, Avianca, LOT Airlines, Gourmet Market, The Library, Toy Chest, Bloomies, LeDrug Store, Madison Avenue Shop, and the Currency Exchange.

Building materials which have been confirmed by laboratory analysis to contain asbestos include spray-applied fireproofing; corrugated, wrapped cardboard, and magnesia pipe coverings with mudded joint packing; mudded joint packing on fiberglass-insulated piping systems; vinyl floor tiles; tank insulation; and debris.

Asbestos-containing sprayed fireproofing was found on the structural steel and decking above the drop ceilings in the new addition, outbound level in the Book Store, Gourmet Market Store, and Pan Am Service Center. The drop ceilings consist of open grid panels which expose the fireproofing to the areas below. Fireproofing was also found throughout the ceiling in the Mechanical Equipment Room #1. The material is susceptible to further contact damage in an area around a metal ladder which passes through the ceiling. Fireproofing was observed on structural steel in the penthouse, southwest air intake room. The material was very friable and subject to wind erosion. The shaft is used as a supply air intake for the building. The apron level baggage handling area in the new addition contained fireproofing sprayed onto structural steel. The material exhibited areas of contact damage. There were severe mechanical vibrations in the area caused by baggage conveyors which passes through the ceiling. There was also the potential for a strong air plenum from numerous open garage doors around the building perimeter. Active fallout of the material was observed during an incident where a baggage tractor collided with a structural column. Asbestos-containing magnesia and corrugated pipe coverings with mudded joint packings, and mudded joint packing on fiberglass-insulated piping systems were found in the original building Mechanical Rooms #1 and #6. The materials were in poor condition with major areas of contact and water damage and resulting debris. All these areas are of significant concern and are classified as Priority Level I. It is recommended that the materials in these areas be removed as soon as possible.

Asbestos-containing corrugated pipe covering and mudded joint packings on nonsuspect pipe insulation were found in the old building in the roof penthouse. The materials were in poor condition. Severe mechanical vibrations and a strong air plenum existed in the area. Magnesia, wrapped cardboard, and corrugated pipe coverings with mudded joint packing; mudded joint packing on fiberglass-insulated piping systems; and external tank insulations were observed throughout Mechanical Room #1 on the ground level of the original building. The materials were in fair to poor condition with numerous areas of contact and water damage. There was also dust and debris throughout the room. These areas are classified as Priority Level II. It is recommended that the damaged areas be repaired, the debris removed, and the areas HEPA vacuumed. The materials should then be included in an operations and maintenance program until they are removed in a phased abatement. Spray-applied fireproofing was observed in the new addition on structural steel, both exposed and above semipermanent ceilings in the following areas: lower level domestic and customs baggage claim areas, apron level Mechanical Equipment

Room #2 and other small equipment rooms, mechanical and equipment rooms on the outbound level and fourth floor, and Room 2219 in the Upper Link Building. These areas are also classified as Priority Level II. It is recommended that the areas be HEPA vacuumed and the materials be included in an operations and maintenance program until they can be removed under a phased abatement.

Asbestos-containing spray-applied fireproofing was observed on structural steel above the metal pan and drop ceilings in the new addition domestic baggage claim area, upper link apron level overhangs, and throughout the outbound level ticket, gates, and shop areas. Asbestos-containing magnesia and corrugated pipe coverings with mudded joint packings, mudded joint packing on fiberglass-insulated piping systems, tank insulation, and vinyl floor tiles were observed in mechanical rooms and above semipermanent ceilings throughout the terminal, as listed in the spreadsheets. These materials exhibited isolated areas of contact and water damage. All these areas are classified as either Priority Level III or IV. The damaged areas should be repaired as needed, and the materials included in an operations and maintenance program until they are removed under a phased abatement.

Transite-type panels were observed on the interior jetway walls and on the ceiling in Room 1217. These materials could not be sampled without creating severe cosmetic damage. These materials are cementitious and, like vinyl floor tiles, present little health hazard unless sawn, sanded, drilled, or in any other way altered causing release of fibers. These materials should be treated as asbestos-containing until analyzed prior to demolition or renovation.

Materials in this building that were determined nonasbestos-containing include acoustical ceiling tiles, drop ceiling panels, exterior weatherproofing on the jetways, and mudded joint packings in specific building areas. Please refer to the spreadsheets for material locations and quantities, and specific area comments.

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level I and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$9,904,136
10% Contingency	$990,414
Total Removal/Replacement with Contingency	$10,894,550

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $10,894,550	$708,146
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,890 8-hour shifts:	
1,890 X $490	$926,100
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $10,894,550	$21,789
Total Project Estimate Including Professional Fees and Contingency	$12,550,585

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level II and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$5,440,184
10% Contingency	$544,018
Total Removal/Replacement with Contingency	$5,984,202

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $5,984,202	$388,973
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,038 8-hour shifts:	
1,038 X $490	$508,620
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $5,984,202	$119,684
Total Project Estimate Including Professional Fees and Contingency	$7,001,479

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level III and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$25,170,237
10% Contingency	$2,517,024
Total Removal/Replacement with Contingency	$27,687,261

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $27,687,261	$1,799,672
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 4,803 8-hour shifts:	
4,803 X $490	$2,353,470
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $27,687,261	$553,745
Total Project Estimate Including Professional Fees and Contingency	$32,394,148

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level IV and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$1,365,845
10% Contingency	$136,585
Total Removal/Replacement with Contingency	$1,502,430

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.5% of Total Construction Cost:

6.5% X $1,502,430	$97,658

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 261 8-hour shifts:

261 X $490	$127,890

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $1,502,430	$30,049

Total Project Estimate Including Professional Fees and Contingency	$1,758,027

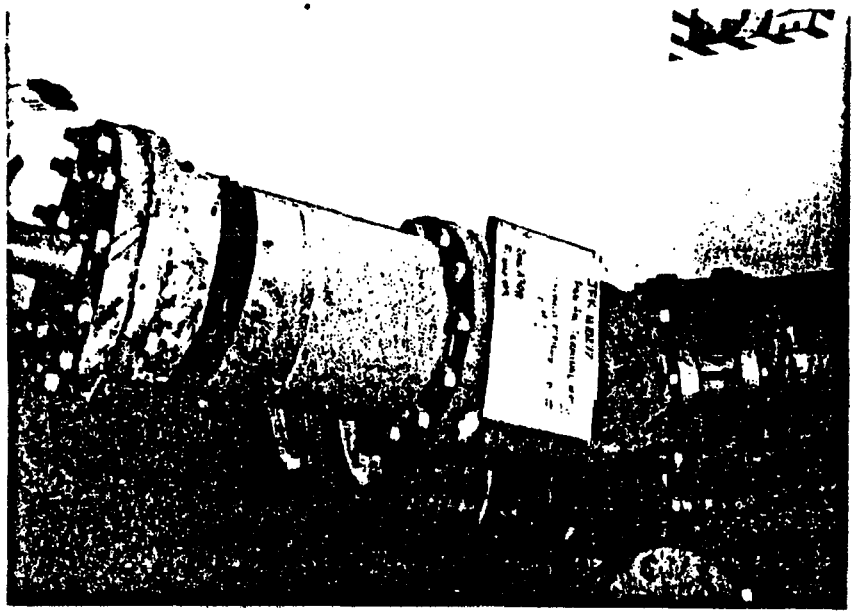
PHOTOGRAPH LOG

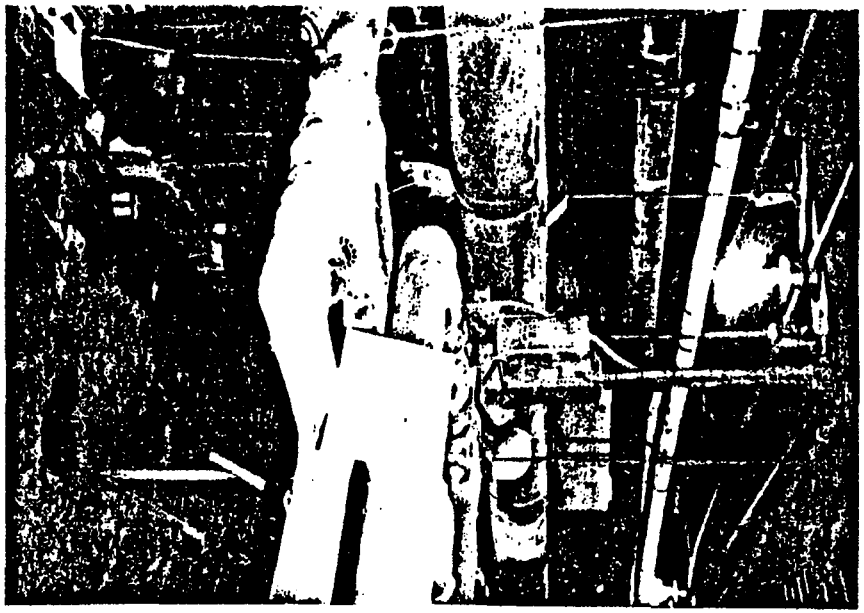
BUILDING 53 - PAN AM TERMINAL

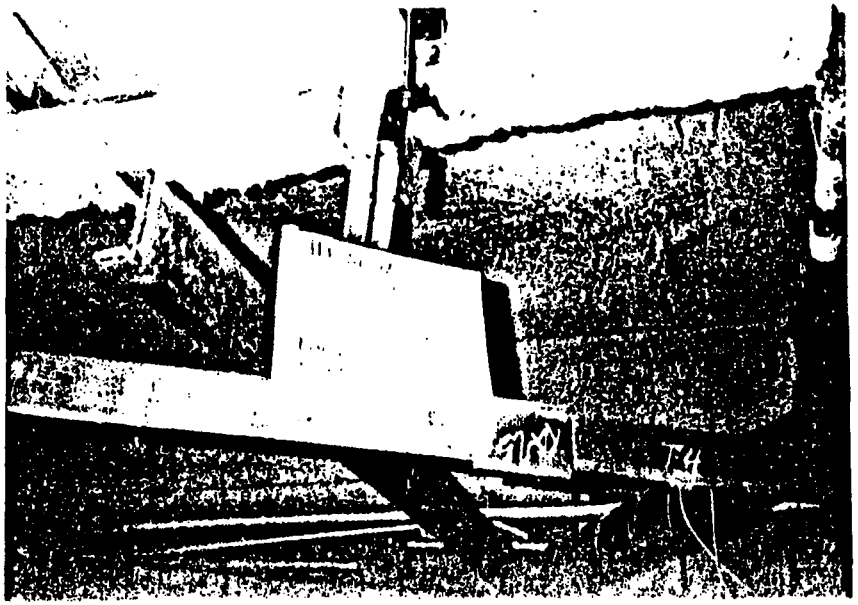
Picture #	Description
1	Pan Am Terminal, Old North Building, roof, penthouse mechanical room, exposed piping.
2	Pan Am Terminal, New Building, Apron Level, MER 2, exposed piping.
3	Pan Am Terminal, New Building, First Level, MER 1.
4	Pan Am Terminal, New Building, Apron Level, baggage handling area.
5	Pan Am Terminal, New Building, Apron Level, Gate 23 jetway, fireproofing.
6	Pan Am Terminal, New Building, Ground Level, MER 1, exposed piping and tank insulation
7	Pan Am Terminal, Old Building, Basement, MER 6, exposed piping.
8	Pan Am Terminal, Ground Level, Baggage Claim D-1, 2' by 2' lay-in ceiling panels.
9	Pan Am Terminal, New building, Fourth Floor, penthouse, return air plenum.

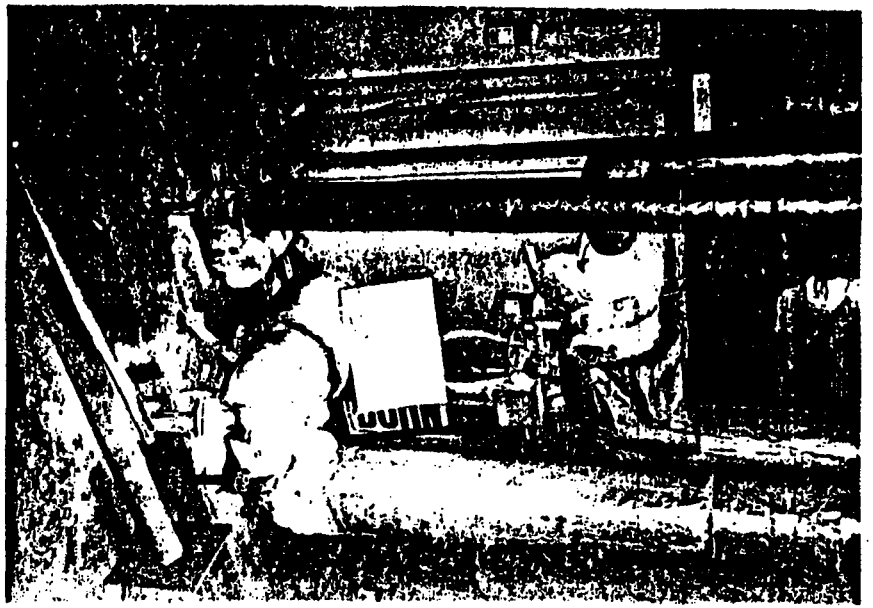
C-LINE #52584
35MM PRINTS

#3



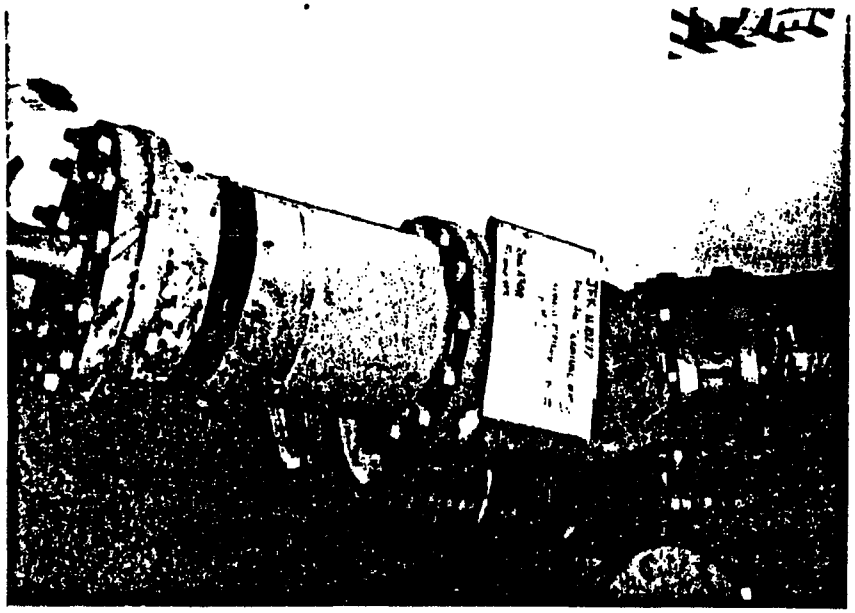






C-LINE #52584
35MM PRINTS

#3



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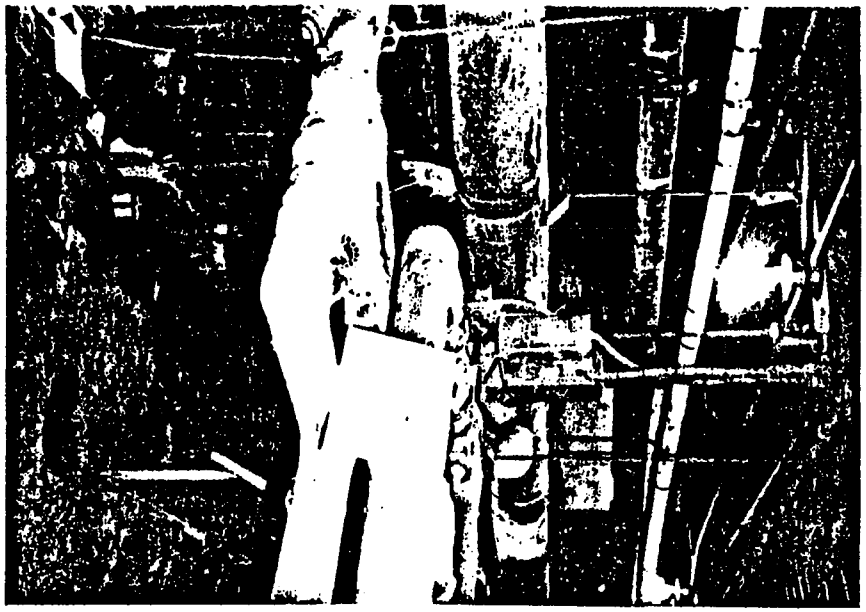

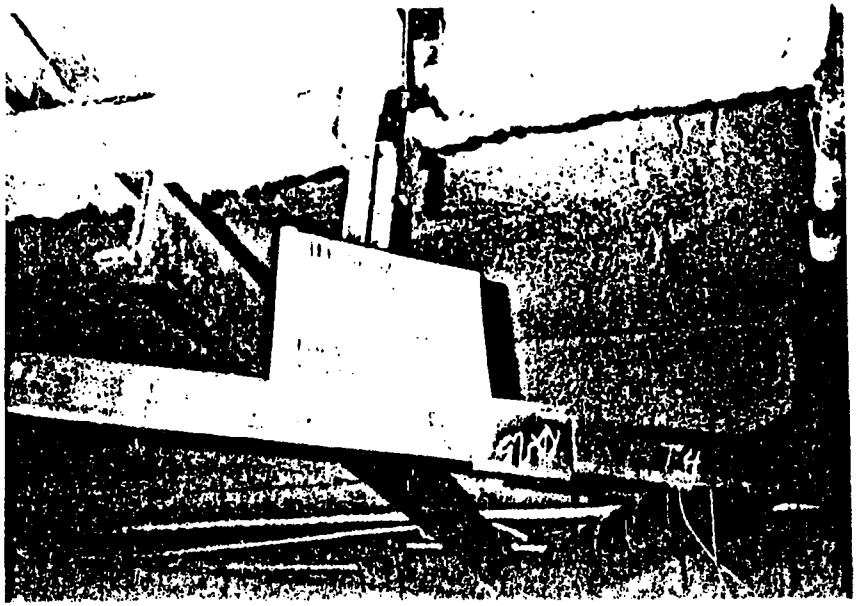

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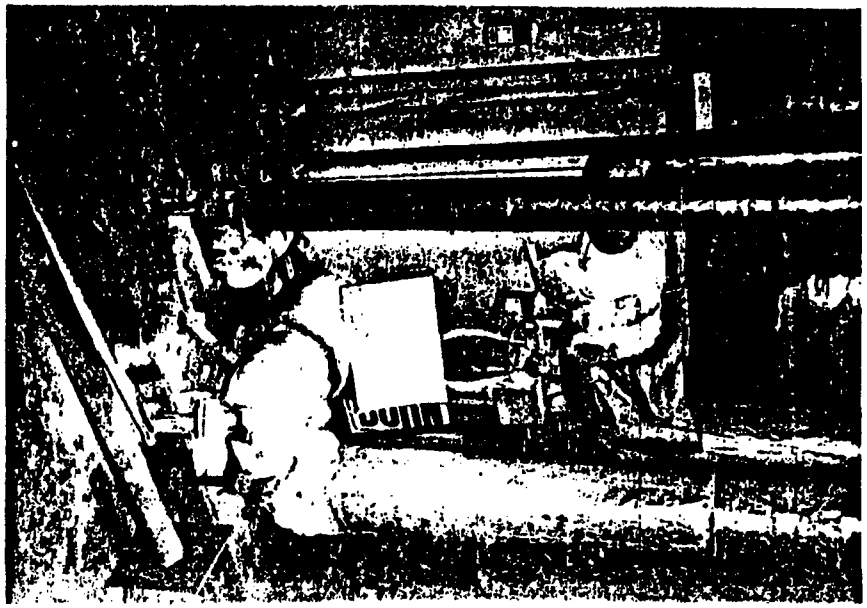
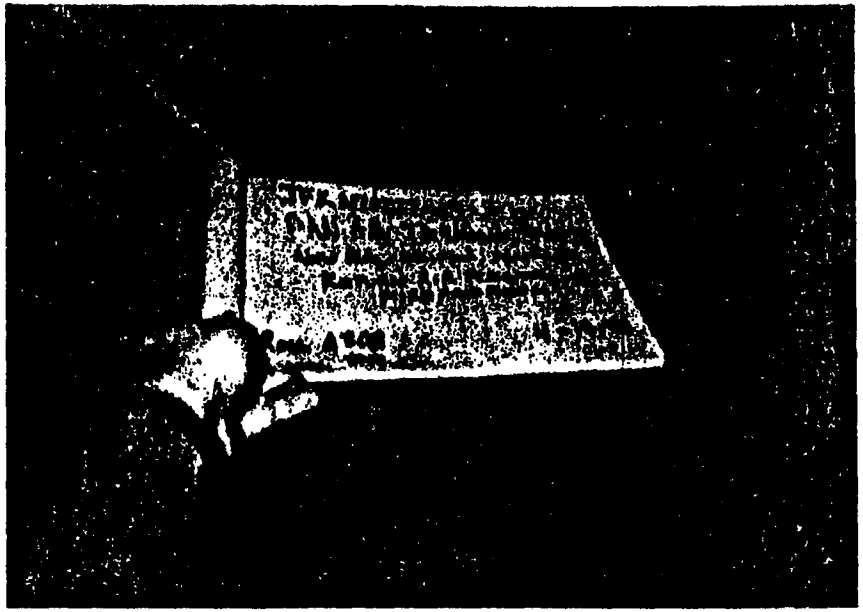


C-LINE #52584
35MM PRINTS

53



HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
44 -187630	Y	Y	10	10							60		30		100
44 -187631	Y	Y	10	10							70		20		100
44 -187632	Y	Y	8	8							62		30		100
44 -187633	Y	Y	12	12							68		20		100
44 -187634	Y	Y	15	15							65		20		100
44 -187635	Y	Y	15	15							45		40		100
44 -187636	Y	Y	8	8							62		30		100
44 -187637	Y	N	0								60		40		100
44 -187638	Y	Y	12	12							75		13		100
44 -187639	Y	Y	15	15							65		20		100
44 -187640	Y	Y	10	10							65		25		100
44 -187641	Y	Y	15	15							60		25		100
44 -187642	Y	Y	10	10							60		30		100
44 -187643	Y	Y	15	15							60		25		100
0 -187644	N	N	0						80				20		100
44 -187645	Y	Y	10	10							60		30		100
44 -187646	Y	Y	12	12							55		33		100
44 -187647	Y	Y	25	25							45		30		100
44 -187648	Y	Y	30	30							30		40		100
44 -187649	Y	Y	25	25							25		50		100
44 -187650	Y	Y	15	15							35		50		100
44 -187651	Y	Y	8	8							62		30		100
44 -187652	Y	Y	2	2							58		40		100
44 -187653	Y	Y	3	3							47		50		100
44 -187654	Y	Y	2	2							68		30		100
0 -187655	N	N	0						85				15		100
0 -187656	N	N	0						80				20		100
0 -187657	N	N	0						70				30		100
0 -187696	N	Y	2	2									18	80 CAL	100
0 -187697	N	Y	2	2									18	80 CAL	100
0 -187698	N	Y	2	2									15	83 CAL	100
0 -187699	N	Y	2	2									18	80 CAL	100
0 -187700	N	Y	2	2									18	80 CAL	100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	NONO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
20 -174688	Y	Y	60	25	35								30	10 COT	100
20 -174689	Y	Y	30	15	15				30				30	10 COT	100
21 -174690	Y	N	0						55				35	10 COT	100
21 -174691	Y	N	0						55				35	10 COT	100
21 -174692	Y	N	0						55				35	10 COT	100
22 -174693	Y	N	0						60				30	10 COT	100
22 -174694	Y	N	0						55				35	10 COT	100
22 -174695	Y	N	0						60				30	10 COT	100
23 -174696	Y	N	0						60				40		100
23 -174697	Y	N	0						65				35		100
23 -174698	Y	N	0						55				45		100
24 -187501	Y	N	0						60				40		100
24 -187502	Y	N	0						65				35		100
24 -187503	Y	N	0						60				40		100
25 -187504	Y	Y	60	60									40		100
25 -187505	Y	Y	40	40									60		100
25 -187506	Y	Y	40	40									60		100
26 -187507	Y	Y	15	15							20		65		100
26 -187508	Y	Y	10	10							30		60		100
26 -187509	Y	Y	5	5							30		65		100
26 -187510	Y	Y	5	5							35		60		100
26 -187511	Y	Y	10	10							40		50		100
27 -187512	Y	N	0						45				45	10 GM	100
27 -187513	Y	N	0						45				45	10 GM	100
27 -187514	Y	N	0						40				50	10 GM	100
28 -187515	Y	N	0						50				50		100
28 -187516	Y	N	0						55				45		100
28 -187517	Y	N	0						50				50		100
29 -187518	Y	Y	20	20							30		50		100
29 -187519	Y	Y	15	15							30		55		100
29 -187520	Y	Y	10	10							35		55		100
29 -187521	Y	Y	20	20							30		50		100
29 -187522	Y	Y	20	20							35		45		100
29 -187523	Y	Y	20	20							25		55		100
29 -187524	Y	Y	30	30							25		45		100
29 -187525	Y	Y	25	25							30		45		100
30 -187526	Y	N	0						40				60		100
30 -187527	Y	N	0						45				55		100
30 -187528	Y	N	0						40	20			40		100
0 -187529	N	Y	40	40						40			20		100
31 -187530	Y	N	0						40	10			50		100
31 -187531	Y	N	0						35	10			55		100
31 -187532	Y	N	0						35	10			55		100
32 -187533	Y	N	0						30	5			65		100
32 -187534	Y	N	0						35	5			60		100
32 -187535	Y	N	0						35	10			55		100
33 -187536	Y	N	0						30	10			50	10 GM	100
33 -187537	Y	N	0						30	10			50	10 GM	100
33 -187538	Y	N	0						30	10			50	10 GM	100
34 -187539	Y	Y	10	10							40		50		100
34 -187540	Y	Y	10	10							45		45		100
34 -187541	Y	Y	10	10							30		60		100
34 -187542	Y	Y	5	5							45		50		100
34 -187543	Y	N	0								25		75		100
34 -187544	Y	Y	15	15							20		65		100
34 -187545	Y	N	0							30	50		20		100
0 -187546	N	N	0						45				55		100
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36 -187553	Y	Y	5	5					30				65		100
36 -187554	Y	N	0						60				40		100
37 -187555	Y	Y	25	25									75		100
37 -187556	Y	Y	60	40	20				20				20		100
37 -187557	Y	Y	25	25					20				55		100
0 -187558	N	Y	15	15							70		15		100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
38 -187559	Y	Y	15	15									85		100
38 -187560	Y	Y	15	15									85		100
38 -187561	Y	Y	10	10									90		100
39 -187562	Y	N	0						20				50	30 W	100
39 -187563	Y	N	0						40				60		100
39 -187564	Y	N	0						40				60		100
0 -187565	N	N	0						50				50		100
0 -187566	N	N	0						20	30		20	30		100
40 -187568	Y	N	0							10	30		60		100
40 -187569	Y	Y	15	15						10	20		55		100
40 -187570	Y	N	0							10	25		65		100
40 -187571	Y	N	0							20	10		70		100
40 -187572	Y	Y	10	10							20		70		100
40 -187573	Y	Y	15	15							20		65		100
40 -187574	Y	N	0								30		70		100
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40 -187577	Y	N	0							20	15		65		100
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40 -187579	Y	Y	15	15							20		65		100
40 -187580	Y	Y	10	10							15		75		100
40 -187581	Y	N	0							15	20		65		100
40 -187582	Y	N	0							15	25		60		100
40 -187583	Y	N	0							10	20		70		100
40 -187584	Y	Y	10	10							20		70		100
40 -187585	Y	Y	15	15							15		70		100
40 -187586	Y	N	0							15	15		70		100
40 -187587	Y	N	0							15	15		70		100
40 -187588	Y	N	0							20	15		65		100
40 -187589	Y	N	0							15	15		70		100
40 -187590	Y	N	0							15	15		70		100
0 -187591	Y	N	0						20	30		25	25		100
41 -187592	Y	Y	15	15							20		65		100
41 -187593	Y	Y	10	10							15		75		100
41 -187594	Y	Y	10	10							20		70		100
41 -187595	Y	Y	10	10							20		70		100
42 -187596	Y	Y	10	10							15		75		100
42 -187597	Y	Y	15	15							10		75		100
42 -187598	Y	Y	10	10							20		70		100
42 -187599	Y	Y	10	10							15		75		100
0 -187601	N	N	0								80		20		100
0 -187602	N	N	0								85		15		100
0 -187603	N	N	0								75		25		100
0 -187604	N	N	0							10	70		20		100
0 -187605	N	N	0								80		20		100
0 -187606	Y	Y	2	2							78		20		100
0 -187607	Y	N	0							10	80		10		100
42 -187608	Y	Y	2	2							83		15		100
42 -187609	Y	Y	4	4							81		15		100
42 -187610	Y	Y	10	10							80		10		100
42 -187611	Y	Y	10	10							80		10		100
42 -187612	Y	Y	6	6							84		10		100
42 -187613	Y	Y	10	10							80		10		100
43 -187614	Y	Y	15	15							70		15		100
43 -187615	Y	Y	15	15							65		20		100
43 -187616	Y	Y	15	15							65		20		100
43 -187617	Y	Y	12	12							60		28		100
43 -187618	Y	Y	18	18							50		32		100
43 -187619	Y	Y	18	18							60		22		100
43 -187620	Y	Y	12	12							38		50		100
43 -187621	Y	Y	15	15							25		60		100
43 -187622	Y	Y	8	8							52		40		100
43 -187623	Y	Y	15	15							65		20		100
44 -187624	Y	Y	25	25							55		20		100
44 -187625	Y	Y	30	30							40		30		100
44 -187626	Y	Y	20	20							50		30		100
44 -187627	Y	Y	18	18							60		22		100
44 -187628	Y	Y	15	15							65		20		100
44 -187629	Y	Y	20.	20							50		30		100

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 1
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
01	ARA	New Addition-Apron Level-Ceiling					AREA AVERAGE % ASB -		0%					
		men's locker room	187656-0	acoustical tile	OMG	150	sq.ft.		0					
		cafeteria area	187656-0	acoustical tile	OMG	3950	sq.ft.		0					
		kitchen dry goods storage	187656-0	acoustical tile	OMG	300	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
02	ARA	New Addition-Apron Level					AREA AVERAGE % ASB -		0%					
		kitchen by conveyor shop	174693-22	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	DW	0					
		kitchen and cafeteria	174693-22	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	DW	0					
		kitchen storage	174693-22	mjp on non-suspect pipe cover	OMA	29	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		kitchen dry goods storage	187515-28	mjp on non-suspect pipe cover	OMA	6	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
							TENANT - ARA		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 2
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
03	BOOK STORE	New Addition-Outbound Level					AREA AVERAGE % ASB -		9%					
	above drop ceiling in bookstore		187596-42	fireproofing	OMC	300	sq.ft.		10	60	I	$10,833	$2,004	$12,837
			187597-42	fireproofing	OMC				15	60	I			
			187598-42	fireproofing	OMC				10	60	I			
			187599-42	fireproofing	OMC				10	60	I			
			187608-42	fireproofing	OMC				2	60	I			
			187609-42	fireproofing	OMC				4	60	I			
			187610-42	fireproofing	OMC				10	60	I			
			187611-42	fireproofing	OMC				10	60	I			
			187612-42	fireproofing	OMC				6	60	I			
			187613-42	fireproofing	OMC				10	60	I			
									AREA TOTAL			$10,833	$2,004	$12,837

The material in this area is fireproofing. It has been sprayed-on the structural members and decking on the ceiling area. The material is located above the drop ceiling. Two of the 2'x4' ceiling panels have been replaced with grid type panels. This situation permits potential exposure to the fireproofing and to the inhabitants of the store below. If the grid ceiling panels were replaced with solid panels, this would reduce the potential for fiber exposure in the area.

TENANT - BOOK STORE	TOTAL	$10,833	$2,004	$12,837

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
04	DUTY FREE	Madison Ave Shop-New Addition-Outbound					AREA AVERAGE % ASB - 9%							
	above the grid ceiling in store		187596-42	fireproofing	OHC	1200	sq.ft.		10	36	III	$43,332	$8,016	$51,348
			187597-42	fireproofing	OHC				15	36	III			
			187598-42	fireproofing	OHC				10	36	III			
			187599-42	fireproofing	OHC				10	36	III			
			187608-42	fireproofing	OHC				2	36	III			
			187609-42	fireproofing	OHC				4	36	III			
			187610-42	fireproofing	OHC				10	36	III			
			187611-42	fireproofing	OHC				10	36	III			
			187612-42	fireproofing	OHC				6	36	III			
			187613-42	fireproofing	OHC				10	36	III			
									AREA TOTAL			$43,332	$8,016	$51,348

The material in this area is fireproofing on structural members located above the open grid ceilings. The material is friable, but has been encapsulated and at this time has a lower potential for fiber release than other non encapsulated fireproofing located on this level.

TENANT - DUTY FREE	TOTAL	$43,332	$8,016	$51,348

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 4
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
05	FOOD SERV	Old Building-Mezzanine Level-Ceilings					AREA AVERAGE % ASB -		0%					
		rest rooms behind snack bar	187655-0	drop or lay-in panel	OMG	1100	sq.ft.		0					
		snack bar kitchen	187655-0	drop or lay-in panel	OMG	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - FOOD SERV		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 5
Building Name: PAN AM AIRLINES TERMINAL JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
06	GORMET MKT	New Addit.-Outbound Level-Market Place					AREA AVERAGE % ASB - 9%							
	above the grid ceiling in store		187596-42	fireproofing	OMC	900	sq.ft.		10	63	I	$32,499	$6,012	$38,511
			187597-42	fireproofing	OMC				15	63	I			
			187598-42	fireproofing	OMC				10	63	I			
			187599-42	fireproofing	OMC				10	63	I			
			187608-42	fireproofing	OMC				2	63	I			
			187609-42	fireproofing	OMC				4	63	I			
			187610-42	fireproofing	OMC				10	63	I			
			187611-42	fireproofing	OMC				10	63	I			
			187612-42	fireproofing	OMC				6	63	I			
			187613-42	fireproofing	OMC				10	63	I			
			187613-42	fireproofing	OMC				10	63	I			
	The material in this area is fireproofing on structural members with overspray on the decking. The material is located above a grid ceiling. The material is friable and prone to fiber release and fallout.								AREA TOTAL			$32,499	$6,012	$38,511
							TENANT - GORMET MKT		TOTAL			$32,499	$6,012	$38,511

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053
Building Name: PAN AN AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
06A	MARRIOTT	New Addition-Outbound Level-Ceilings					AREA AVERAGE % ASB -		0%					
	kitchen area		187547-0	drop or lay-in panel	OMG	800	sq.ft.			0				
	transit lounge		187644-0	drop or lay-in panel	OMG	1200	sq.ft.			0				
	kitchen area		187656-0	acoustical tile	OMG	800	sq.ft.			0				
										AREA TOTAL		$0	$0	$0
							TENANT - MARRIOTT			TOTAL		$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
07	PAN AM	Orig. Bld-Basement-Mechanical Room #6					AREA AVERAGE % ASB - 58%							
		at ceiling-east part of room near panel	174671-0	pipe covering	OMA	5	ft. 10 in. O.D.	MWS/R	50	122	I	$127	$94	$221
		at ceiling-east part of room near panel	174672-16	mjp on pipe covering	OMA	2	10 in. O.D.	MWS/R	70	122	I	$168	$105	$273
			174673-16	mjp on pipe covering	OMA				60	122	I			
			174674-16	mjp on pipe covering	OMA				65	122	I			
		This area of insulation is damaged due to periodic contact being made by an access door on an electrical panel.						AREA TOTAL				$295	$199	$494
08	PAN AM	Orig. Bldg-Basement-Mechanical Room #6					AREA AVERAGE % ASB - 26%							
		throughout area	174671-0	pipe covering	OMA	75	ft. 10 in. O.D.	MWS/R	50	36	III	$1,903	$1,410	$3,313
		throughout area	174678-0	wrapped cardboard/paper pipe	OMA	135	ft. 6 in. O.D.	DW	0			$2,357	$1,474	$3,831
		throughout area	174678-0	wrapped cardboard/paper pipe	OMA	140	ft. 10 in. O.D.	DW	0			$3,553	$2,632	$6,185
		throughout area	174682-0	corrugated pipe covering	OMA	185	ft. 4 in. O.D.	DW	70	36	III	$2,220	$1,389	$3,609
		throughout area	174672-16	mjp on pipe covering	OMA	15	10 in. O.D.	MWS/R	70	36	III	$1,263	$790	$2,053
			174673-16	mjp on pipe covering	OMA				60	36	III			
			174674-16	mjp on pipe covering	OMA				65	36	III			
		throughout area	174675-17	mjp on non-suspect pipe cover	OMA	55	4 in. O.D.	MWS/R	35	36	III	$2,079	$1,155	$3,234
			174676-17	mjp on non-suspect pipe cover	OMA				30	36	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	36	III			
		throughout area	174679-18	mjp on wrapped cardboard/paper	OMA	75	12 in. O.D.	DW	0					
		throughout area	174679-18	mjp on wrapped cardboard/paper	OMA	35	8 in. O.D.	DW	0					
			174680-18	mjp on wrapped cardboard/paper	OMA				0					
			174681-18	mjp on wrapped cardboard/paper	OMA				0					
		throughout area	174683-19	mjp on corrugate pipe covering	OMA	80	4 in. O.D.	DW	0					
			174684-19	mjp on corrugate pipe covering	OMA				0					
			174685-19	mjp on corrugate pipe covering	OMA				0					
		Pipe insulation in this room is in fair condition with isolated areas of contact and water damage.						AREA TOTAL				$13,375	$8,850	$22,225
09	PAN AM	Old Building-Ground Level					AREA AVERAGE % ASB - 53%							
		electrical closet off baggage claim area	174652-0	corrugated pipe covering	OMA	3	ft. 4 in. O.D.	DW	75	32	III	$36	$23	$59
		old rest room off baggage service	174652-0	corrugated pipe covering	OMA	9	ft. 4 in. O.D.	DW	75	32	III	$108	$68	$176
		valve room next to west side garage	174656-0	pipe covering	OMA	7	ft. 12 in. O.D.	MWS/R	45	32	III	$207	$159	$366

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		conveyor room behind east baggage claim	187529-0	corrugated pipe covering	OMA	3	ft. 4 in. O.D.	MWS/R	40	32	III	$36	$23	$59
		valve room next to west side garage	174657-13	mjp on pipe covering	OMA	12	12 in. O.D.	MWS/R	55	32	III	$1,225	$765	$1,990
			174658-13	mjp on pipe covering	OMA				50	32	III			
			174659-13	mjp on pipe covering	OMA				55	32	III			
		east side garage	174675-17	mjp on non-suspect pipe cover	OMA	31	4 in. O.D.	MWS/R	35	32	III	$1,172	$651	$1,823
		electrical closet off baggage claim area	174675-17	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	MWS/R	35	32	III	$378	$210	$588
		hallway ceiling heater-west side	174675-17	mjp on non-suspect pipe cover	OMA	9	4 in. O.D.	MWS/R	35	32	III	$340	$189	$529
		hallway ceiling heater-north west corner	174675-17	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	MWS/R	35	32	III	$189	$105	$294
		conveyor room behind east baggage claim	174675-17	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	MWS/R	35	32	III	$302	$168	$470
		old rest room off baggage service	174675-17	mjp on non-suspect pipe cover	OMA	9	4 in. O.D.	MWS/R	35	32	III	$340	$189	$529
		baggage service storage areas	174675-17	mjp on non-suspect pipe cover	OMA	64	4 in. O.D.	MWS/R	35	32	III	$2,419	$1,344	$3,763
			174676-17	mjp on non-suspect pipe cover	OMA				30	32	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	32	III			
		The material is in fair condition with localized areas of contact damage. These areas are accessed infrequently.							AREA TOTAL			$6,752	$3,894	$10,646
10	PAN AM	Old Bldg-Ground Level-Locker Room Area					AREA AVERAGE % ASB - 31%							
		locker room past baggage service	174675-17	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	MWS/R	35	26	III	$1,512	$840	$2,352
		hallway outside LE janitorial closet	174675-17	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	MWS/R	35	26	III	$378	$210	$588
		hallway leading to west double doors	174675-17	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	MWS/R	35	26	III	$189	$105	$294
		E-W hallway off west double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	MWS/R	35	26	III	$151	$84	$235
		room by west side double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	17	4 in. O.D.	MWS/R	35	26	III	$643	$357	$1,000
		E-W hallway off west double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	1	6 in. O.D.	MWS/R	35	26	III	$52	$31	$83
		locker room past baggage service	174675-17	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	MWS/R	35	26	III	$104	$61	$165
			174676-17	mjp on non-suspect pipe cover	OMA				30	26	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	26	III			
		The material is in fair condition. These areas are accessed regularly by airline personnel. There are isolated areas of contact damage.							AREA TOTAL			$3,029	$1,688	$4,717
11	PAN AM	Old Building-Ground Level					AREA AVERAGE % ASB - 29%							
		above drop & semipermanent ceilings	174652-0	corrugated pipe covering	OMA	920	ft. 4 in. O.D.	DW	75	16	IV	$11,040	$6,909	$17,949
		above drop & semipermanent ceilings	174653-12	mjp on corrugate pipe covering	OMA	138	4 in. O.D.	DW	6	16	IV	$5,216	$2,898	$8,114

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174654-12	mjp on corrugate pipe covering	OMA				6	16	IV			
			174655-12	mjp on corrugate pipe covering	OMA				6	16	IV			
		above drop & semipermanent ceilings	174675-17	mjp on non-suspect pipe cover	OMA	66	4 in. O.D.	MWS/R	35	16	IV	$2,495	$1,386	$3,881
			174676-17	mjp on non-suspect pipe cover	OMA				30	16	IV			
			174677-17	mjp on non-suspect pipe cover	OMA				0	16	IV			
		above drop & semipermanent ceilings	174643-9	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	CWS/R	0	16	IV	$416	$245	$661
			174644-9	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174645-9	mjp on non-suspect pipe cover	OMA				20	16	IV			
		The material types and quantities were estimated from available, although incomplete drawings. The accuracy of the drawings is uncertain.							AREA TOTAL			$19,167	$11,438	$30,605
12	PAN AM	Old Building-Ground Level					AREA AVERAGE % ASB - 2%							
		baggage service area & hallway	187696-0	vinyl floor tile	OMZ	3060	sq.ft.		2	7	IV	$13,892	$10,526	$24,418
		throughout all other hallways & offices	187697-0	vinyl floor tile	OMZ	6950	sq.ft.		2	7	IV	$31,553	$23,908	$55,461
		womens locker room	187697-0	vinyl floor tile	OMZ	750	sq.ft.		2	7	IV	$3,405	$2,580	$5,985
		The material is in fair condition with areas of deterioration. These areas are accessed frequently.							AREA TOTAL			$48,850	$37,014	$85,864
13	PAN AM	Orig. Bldg-Ground Level-Mechanical Room					AREA AVERAGE % ASB - 34%							
		throughout area	174652-0	corrugated pipe covering	OMA	185	ft. 6 in. O.D.	DW	75	51	II	$3,230	$2,020	$5,250
		throughout area	174652-0	corrugated pipe covering	OMA	290	ft. 4 in. O.D.	DW	75	51	II	$3,480	$2,178	$5,658
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	290	10 in. O.D.	MWS/R	25	51	II	$24,424	$15,266	$39,690
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	210	14 in. O.D.	MWS/R	25	51	II	$24,488	$15,739	$40,227
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	310	4 in. O.D.	MWS/R	25	51	II	$11,718	$6,510	$18,228
			174647-10	mjp on non-suspect pipe cover	OMA				10	51	II			
			174648-10	mjp on non-suspect pipe cover	OMA				25	51	II			
		throughout area	174649-11	mjp on non-suspect pipe cover	OMA	79	4 in. O.D.	DW	20	51	II	$2,986	$1,659	$4,645
			174650-11	mjp on non-suspect pipe cover	OMA				20	51	II			
			174651-11	mjp on non-suspect pipe cover	OMA				20	51	II			
		throughout area	174653-12	mjp on corrugate pipe covering	OMA	33	6 in. O.D.	DW	6	51	II	$1,717	$1,009	$2,726
		throughout area	174653-12	mjp on corrugate pipe covering	OMA	105	4 in. O.D.	DW	6	51	II	$3,969	$2,205	$6,174
			174654-12	mjp on corrugate pipe covering	OMA				6	51	II			
			174655-12	mjp on corrugate pipe covering	OMA				6	51	II			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	D&N CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		throughout area	174643-9	mjp on non-suspect pipe cover	OHA	36	10 in. O.D.	CWS/R	0	51	II	$3,032	$1,895	$4,927
		throughout area	174643-9	mjp on non-suspect pipe cover	OHA	71	8 in. O.D.	CWS/R	0	51	II	$4,597	$2,703	$7,300
		throughout area	174643-9	mjp on non-suspect pipe cover	OHA	23	20 in. O.D.	CWS/R	0	51	II	$5,379	$3,985	$9,364
		throughout area	174643-9	mjp on non-suspect pipe cover	OHA	22	14 in. O.D.	CWS/R	0	51	II	$2,565	$1,649	$4,214
			174644-9	mjp on non-suspect pipe cover	OHA				20	51	II			
			174645-9	mjp on non-suspect pipe cover	OHA				20	51	II			
		Pipe insulation in this area is in fair to poor condition. Debris is common throughout the room and dust is present in most areas.							AREA TOTAL			$91,585	$56,818	$148,403
14	PAN AM	Orig Bldg-Ground Level-Mechanical Rm #1					AREA AVERAGE % ASB - 21%							
		throughout area	174656-0	pipe covering	OHA	10	ft. 8 in. O.D.	MWS/R	45	51	II	$190	$136	$326
		throughout area	174656-0	pipe covering	OHA	4	ft. 4 in. O.D.	MWS/R	45	51	II	$48	$30	$78
		northwest part of room	174663-0	corrugated pipe covering	OHA	30	ft. 4 in. O.D.	MWS/R	55	51	II	$360	$225	$585
		throughout room	174666-0	tar paper on fiberglass	OHZ	24	ft. 10 in. O.D.	CWS/R	0					
		throughout room	174666-0	tar paper on fiberglass	OHZ	200	ft. 12 in. O.D.	CWS/R	0					
		throughout room	174667-0	wrapped cardboard/paper pipe	OHA	198	ft. 4 in. O.D.	DW	7	51	II	$2,376	$1,487	$3,863
		throughout room	174667-0	wrapped cardboard/paper pipe	OHA	65	ft. 6 in. O.D.	DW	7	51	II	$1,135	$710	$1,845
		throughout room	174667-0	wrapped cardboard/paper pipe	OHA	30	ft. 8 in. O.D.	DW	7	51	II	$571	$408	$979
		throughout area	174657-13	mjp on pipe covering	OHA	4	8 in. O.D.	MWS/R	55	51	II	$259	$152	$411
		throughout area	174657-13	mjp on pipe covering	OHA	6	4 in. O.D.	MWS/R	55	51	II	$227	$126	$353
			174658-13	mjp on pipe covering	OHA				50	51	II			
			174659-13	mjp on pipe covering	OHA				55	51	II			
		northwest part of room	174660-14	mjp on corrugate pipe covering	OHA	7	4 in. O.D.	MWS/R	0					
			174661-14	mjp on corrugate pipe covering	OHA				0					
			174662-14	mjp on corrugate pipe covering	OHA				0					
		throughout room	174668-15	mjp on wrapped cardboard/paper	OHA	89	4 in. O.D.	DW	6	51	II	$3,364	$1,869	$5,233
		throughout room	174668-15	mjp on wrapped cardboard/paper	OHA	5	8 in. O.D.	DW	6	51	II	$326	$190	$514
		throughout room	174668-15	mjp on wrapped cardboard/paper	OHA	26	6 in. O.D.	DW	6	51	II	$1,353	$795	$2,148
			174669-15	mjp on wrapped cardboard/paper	OHA				6	51	II			
			174670-15	mjp on wrapped cardboard/paper	OHA				2	51	II			
									AREA TOTAL			$10,207	$6,128	$16,335

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
15	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1					AREA AVERAGE % ASB - 48%							
	west side of room		174619-1	boiler/tank insulation	OMB	27	sq.ft.		50	53	II	$1,291	$1,034	$2,325
			174620-1	boiler/tank insulation	OMB				45	53	II			
			174621-1	boiler/tank insulation	OMB				50	53	II			
	west side of room		174622-2	boiler/tank insulation	OMB	32	sq.ft.		60	53	II	$1,530	$1,226	$2,756
			174623-2	boiler/tank insulation	OMB				60	53	II			
			174624-2	boiler/tank insulation	OMB				60	53	II			
	southeast corner of room		174625-3	boiler/tank insulation	OMB	186	sq.ft.		50	53	II	$8,895	$7,124	$16,019
			174626-3	boiler/tank insulation	OMB				40	53	II			
			174627-3	boiler/tank insulation	OMB				45	53	II			
	southeast corner of room		174628-4	boiler/tank insulation	OMB	186	sq.ft.		0					
			174629-4	boiler/tank insulation	OMB				0					
			174630-4	boiler/tank insulation	OMB				0					
	near east wall of room		174631-5	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174632-5	boiler/tank insulation	OMB				60	53	II			
			174633-5	boiler/tank insulation	OMB				60	53	II			
	near east wall of room		174634-6	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174635-6	boiler/tank insulation	OMB				60	53	II			
			174636-6	boiler/tank insulation	OMB				60	53	II			
	near east wall of room		174637-7	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174638-7	boiler/tank insulation	OMB				60	53	II			
			174639-7	boiler/tank insulation	OMB				60	53	II			
	near east wall of room		174640-8	boiler/tank insulation	OMB	70	sq.ft.		60	53	II	$3,347	$2,681	$6,028
			174641-8	boiler/tank insulation	OMB				65	53	II			
			174642-8	boiler/tank insulation	OMB				55	53	II			
									AREA TOTAL			$25,104	$20,108	$45,212

The tank insulation in this room is in poor condition due to water and contact damage. There is also much damage to the pipe fittings. There are various areas throughout the room with traces of debris and dust and two major areas of debris: one below the #1 hot water converter tank and another on top of domestic storage tank #2.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
16	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1					AREA AVERAGE % ASB - 25%							
	throughout		174652-0	corrugated pipe covering	OMA	6	ft. 4 in. O.D.	DW	75	89	I	$72	$45	$117
	throughout		174643-10	mjp on non-suspect pipe cover	OMA	12	10 in. O.D.	HTW/R	0	89	I	$1,011	$632	$1,643
	throughout		174643-10	mjp on non-suspect pipe cover	OMA	8	14 in. O.D.	HTW/R	0	89	I	$933	$600	$1,533
			174647-10	mjp on non-suspect pipe cover	OMA				10	89	I			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174648-10	mjp on non-suspect pipe cover	OMA				25	89	I			
		throughout	174649-11	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	DW	20	89	I	$151	$84	$235
			174650-11	mjp on non-suspect pipe cover	OMA				20	89	I			
			174651-11	mjp on non-suspect pipe cover	OMA				20	89	I			
		throughout	174653-12	mjp on corrugate pipe covering	OMA	3	4 in. O.D.	DW	6	89	I	$113	$63	$176
			174654-12	mjp on corrugate pipe covering	OMA				6	89	I			
			174655-12	mjp on corrugate pipe covering	OMA				6	89	I			
		throughout	174643-9	mjp on non-suspect pipe cover	OMA	4	14 in. O.D.	CWS/R	0	89	I	$466	$300	$766
			174644-9	mjp on non-suspect pipe cover	OMA				20	89	I			
			174645-9	mjp on non-suspect pipe cover	OMA				20	89	I			
		Mudded joint packings are in very poor condition, due to water and contact damage. Debris is common in these areas, with the possibility of dust being created upon disturbance of material.							AREA TOTAL			$2,746	$1,724	$4,470
17	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1							AREA AVERAGE % ASB - 40%					
		under HTHW converter tank #1	174664-0	debris	OMF	3	sq.ft.		60	92	I	$100	$0	$100
		on top of DOM storage tank #2	174665-0	debris	OMF	2	sq.ft.		20	92	I	$100	$0	$100
		The debris is scattered in piles throughout the room and is the result of deteriorated mechanical insulation. This room is very dirty and is accessed regularly. There is an air plenum in this room occasionally.							AREA TOTAL			$200	$0	$200
18	PAN AM	Old Building-Ground Level-Ceilings							AREA AVERAGE % ASB - 0%					
		janitors closets-E side of baggage area	187547-0	drop or lay-in panel	OMG	80	sq.ft.		0					
		baggage service offices	187547-0	drop or lay-in panel	OMG	475	sq.ft.		0					
		room 116	187547-0	drop or lay-in panel	OMG	175	sq.ft.		0					
		hallway to baggage tracing office	187547-0	drop or lay-in panel	OMG	675	sq.ft.		0					
		hallway behind baggage claim	187565-0	drop or lay-in panel	OMG	1080	sq.ft.		0					
		baggage claim areas	187565-0	drop or lay-in panel	OMG	30800	sq.ft.		0					
		office by west outside exit	187565-0	drop or lay-in panel	OMG	528	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
19	PAN AM	Old Building-Departure Level					AREA AVERAGE % ASB - 2%							
		behind news stand-above metal ceiling	187652-45	fireproofing	OHC	2800	sq.ft.		2	23	III	$101,108	$18,704	$119,812
			187653-45	fireproofing	OHC				3	23	III			
			187654-45	fireproofing	OHC				2	23	III			
		The fireproofing is sprayed-on steel I-beams and decking with overspray on adjacent concrete ceilings. It is located over a metal grid drop ceiling and is exposed to heavy traffic in the hallway below. The material is encapsulated with paint, but shows some contact damage.							AREA TOTAL			$101,108	$18,704	$119,812
20	PAN AM	Old Building-Mezzanine Level					AREA AVERAGE % ASB - 41%							
		above drop & semipermanent ceiling	174652-0	corrugated pipe covering	OHA	792	ft. 4 in. O.D.	DW	75	16	IV	$9,504	$5,948	$15,452
		above drop & semipermanent ceiling	174653-12	mjp on corrugate pipe covering	OHA	114	4 in. O.D.	DW	6	16	IV	$4,309	$2,394	$6,703
			174654-12	mjp on corrugate pipe covering	OHA				6	16	IV			
			174655-12	mjp on corrugate pipe covering	OHA				6	16	IV			
		The material types and quantities were estimated from available, although incomplete drawings. The accuracy of these drawings is uncertain.							AREA TOTAL			$13,813	$8,342	$22,155
21	PAN AM	Old Building-Roof-Penthouse					AREA AVERAGE % ASB - 25%							
		throughout-north penthouse	187558-0	corrugated pipe covering	OHA	80	ft. 4 in. O.D.	DW	15	50	II	$960	$601	$1,561
		throughout-north penthouse	187555-37	mjp on non-suspect pipe cover	OHA	365	4 in. O.D.	HWS/R	25	50	II	$13,797	$7,665	$21,462
		throughout-north penthouse	187555-37	mjp on non-suspect pipe cover	OHA	8	6 in. O.D.	HWS/R	25	50	II	$416	$245	$661
			187556-37	mjp on non-suspect pipe cover	OHA				60	50	II			
			187557-37	mjp on non-suspect pipe cover	OHA				25	50	II			
		The material is in fair to poor condition, with isolated areas of contact damage. There is a strong air plenum in this area and vibrations. The material is susceptible to further contact damage. The area is an air handler room which is accessed infrequently.							AREA TOTAL			$15,173	$8,511	$23,684
22	PAN AM	Old Building-Roof					AREA AVERAGE % ASB - 14%							
		middle of roof leading to penthouse	187559-38	mjp on non-suspect pipe cover	OHA	64	4 in. O.D.	HWS/R	15	24	III	$2,419	$1,344	$3,763

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		middle of roof leading to penthouse	187559-38	mjp on non-suspect pipe cover	OMA	39	8 in. O.D.	HWS/R	15	24	III	$2,525	$1,485	$4,010
			187560-38	mjp on non-suspect pipe cover	OMA				15	24	III			
			187561-38	mjp on non-suspect pipe cover	OMA				10	24	III			
		The material consists of mudded joints on metal clad non-suspect lines, coated in tar. The material shows some weather deterioration in places, but appears to be well covered in tar for the most part. This area is accessed infrequently.							AREA TOTAL			$4,944	$2,829	$7,773
23	PAN AM	Old Building-Exterior Piping					AREA AVERAGE % ASB -		%					
		top of column roof supports-exterior	99999-0	mjp on non-suspect pipe cover	OMA	5	8 in. O.D.	DR				$324	$190	$514
		The material is located on top of columns around the perimeter of the building. The material is over 30' high and was inaccessible for sampling. The material appears to be in fair condition with some weather deterioration.							AREA TOTAL			$324	$190	$514
24	PAN AM	New Addition-Lower Level					AREA AVERAGE % ASB -		12%					
		over baggage claim #4	187596-42	fireproofing	OMC	11200	sq.ft.		10	46	II	$404,432	$74,816	$479,248
			187597-42	fireproofing	OMC				15	46	II			
			187598-42	fireproofing	OMC				10	46	II			
			187599-42	fireproofing	OMC				10	46	II			
			187608-42	fireproofing	OMC				2	46	II			
			187609-42	fireproofing	OMC				4	46	II			
			187610-42	fireproofing	OMC				10	46	II			
			187611-42	fireproofing	OMC				10	46	II			
			187612-42	fireproofing	OMC				6	46	II			
			187613-42	fireproofing	OMC				10	46	II			
		over baggage claim #3	187614-43	fireproofing	OMC	16400	sq.ft.		15	46	II	$592,204	$109,552	$701,756
			187615-43	fireproofing	OMC				15	46	II			
			187616-43	fireproofing	OMC				15	46	II			
			187617-43	fireproofing	OMC				12	46	II			
			187618-43	fireproofing	OMC				18	46	II			
			187619-43	fireproofing	OMC				18	46	II			
			187620-43	fireproofing	OMC				12	46	II			
			187621-43	fireproofing	OMC				15	46	II			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187622-43	fireproofing	OMC				8	46	II			
			187623-43	fireproofing	OMC				15	46	II			
		The material is exposed on the ceilings above a decorative drop ceiling. It is encapsulated with paint, but has areas of damage. There are severe mechanical vibrations from baggage conveyor coming down through the ceiling and the possibility of contact damage from tall baggage exists. The material quantities were estimated from available drawings.							AREA TOTAL			$996,636	$184,368	1,181,004
25	PAN AM	New Addition-Lower Level-MER #1					AREA AVERAGE % ASB - 9%							
		throughout ceiling	187507-26	fireproofing	OMC	4200 sq.ft.			15	69	I	$151,662	$28,056	$179,718
			187508-26	fireproofing	OMC				10	69	I			
			187509-26	fireproofing	OMC				5	69	I			
			187510-26	fireproofing	OMC				5	69	I			
			187511-26	fireproofing	OMC				10	69	I			
		The material is damaged in places and is susceptible to contact damage in an area by a metal ladder, which leads up to MER #1. There is a light air plenum and severe vibrations in this area.							AREA TOTAL			$151,662	$28,056	$179,718
26	PAN AM	New Addition-Lower Level-MER #1-Tanks					AREA AVERAGE % ASB - 24%							
		convertor tank-southeast part of room	187501-24	boiler/tank insulation	OMB	126 sq.ft.			0					
			187502-24	boiler/tank insulation	OMB				0					
			187503-24	boiler/tank insulation	OMB				0					
		HTHW storage tank-southeast part of room	187504-25	boiler/tank insulation	OMB	90 sq.ft.			60	33	III	$4,304	$3,447	$7,751
			187505-25	boiler/tank insulation	OMB				40	33	III			
			187506-25	boiler/tank insulation	OMB				40	33	III			
		The material is in fair to good condition with a few isolated areas of damage.							AREA TOTAL			$4,304	$3,447	$7,751
27	PAN AM	New Addition-Lower Level-MER #1					AREA AVERAGE % ASB - 34%							
		throughout area	174686-0	pipe covering	OMA	90 ft. 4 in. O.D.		HTW/R	55	25	III	$1,080	$676	$1,756
		throughout area	174686-0	pipe covering	OMA	255 ft. 10 in. O.D.		HTW/R	55	25	III	$6,472	$4,794	$11,266
		throughout area	174686-0	pipe covering	OMA	78 ft. 6 in. O.D.		HTW/R	55	25	III	$1,362	$852	$2,214

AREA #	TENANT AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	throughout area	174686-0	pipe covering	OMA	180	ft. 16 in. O.D.	NTW/R	55	25	III	$7,859	$6,548	$14,407
	throughout area	174686-0	pipe covering	OMA	110	ft. 14 in. O.D.	NTW/R	55	25	III	$3,723	$2,945	$6,668
	northwest corner of room	187529-0	corrugated pipe covering	OMA	6	ft. 12 in. O.D.	HWS/R	40	25	III	$178	$137	$315
	throughout room	174687-20	mjp on pipe covering	OMA	24	6 in. O.D.	NTW/R	60	25	III	$1,249	$734	$1,983
	throughout room	174687-20	mjp on pipe covering	OMA	40	14 in. O.D.	NTW/R	60	25	III	$4,664	$2,998	$7,662
	throughout room	174687-20	mjp on pipe covering	OMA	14	4 in. O.D.	NTW/R	60	25	III	$529	$294	$823
	throughout room	174687-20	mjp on pipe covering	OMA	240	10 in. O.D.	NTW/R	60	25	III	$20,213	$12,634	$32,847
	throughout room	174687-20	mjp on pipe covering	OMA	31	16 in. O.D.	NTW/R	60	25	III	$4,263	$3,158	$7,421
		174688-20	mjp on pipe covering	OMA				60	25	III			
		174689-20	mjp on pipe covering	OMA				30	25	III			
	along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	54	4 in. O.D.	NTW/R	0					
	along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	30	12 in. O.D.	NTW/R	0					
	along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	74	6 in. O.D.	NTW/R	0					
		174691-21	mjp on non-suspect pipe cover	OMA				0					
		174692-21	mjp on non-suspect pipe cover	OMA				0					
	throughout room	174693-22	mjp on non-suspect pipe cover	OMA	35	6 in. O.D.	DW	0					
	throughout room	174693-22	mjp on non-suspect pipe cover	OMA	3	10 in. O.D.	DW	0					
	throughout room	174693-22	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	DW	0					
	throughout room	174693-22	mjp on non-suspect pipe cover	OMA	6	8 in. O.D.	DW	0					
		174694-22	mjp on non-suspect pipe cover	OMA				0					
		174695-22	mjp on non-suspect pipe cover	OMA				0					
	along east wall-throughout	174696-23	mjp on non-suspect pipe cover	OMA	12	6 in. O.D.	DEICE	0					
	along east wall-throughout	174696-23	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	DEICE	0					
		174697-23	mjp on non-suspect pipe cover	OMA				0					
		174698-23	mjp on non-suspect pipe cover	OMA				0					
	throughout	187526-30	mjp on non-suspect pipe cover	OMA	20	12 in. O.D.	CW	0					
	throughout	187526-30	mjp on non-suspect pipe cover	OMA	14	24 in. O.D.	CW	0					
	throughout	187526-30	mjp on non-suspect pipe cover	OMA	25	6 in. O.D.	CW	0					
	throughout	187526-30	mjp on non-suspect pipe cover	OMA	6	14 in. O.D.	CW	0					
		187527-30	mjp on non-suspect pipe cover	OMA				0					
		187528-30	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL			$51,592	$35,770	$87,362

The material is in fair condition with isolated areas of contact and water damage. A strong air plenum exists through this room which opens into the customs baggage claim area.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		over semipermanent ceilings	187614-43	fireproofing	OMC	13800	sq.ft.		15	53	II	$498,318	$92,184	$590,502
			187615-43	fireproofing	OMC				15	53	II			
			187616-43	fireproofing	OMC				15	53	II			
			187617-43	fireproofing	OMC				12	53	II			
			187618-43	fireproofing	OMC				18	53	II			
			187619-43	fireproofing	OMC				18	53	II			
			187620-43	fireproofing	OMC				12	53	II			
			187621-43	fireproofing	OMC				15	53	II			
			187622-43	fireproofing	OMC				8	53	II			
			187623-43	fireproofing	OMC				15	53	II			
		The material quantities were estimated from available drawings, the accuracy of which is uncertain. The material is not encapsulated and is above metal panel ceilings in an area which is heavily accessed and has much mechanical vibration from the baggage conveyors.							AREA TOTAL			$498,318	$92,184	$590,502
29	PAN AM	New Addition-Lower Level							AREA AVERAGE % ASB - 42%					
		chases around primeter drive	174686-0	pipe covering	OMA	1270	ft. 14 in. O.D.	HTW/R	55	14	IV	$42,989	$33,998	$76,987
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	38	8 in. O.D.	DW	20	14	IV	$2,461	$1,447	$3,908
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	72	6 in. O.D.	DW	20	14	IV	$3,747	$2,201	$5,948
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	606	4 in. O.D.	DW	20	14	IV	$22,907	$12,726	$35,633
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	14	10 in. O.D.	DW	20	14	IV	$1,179	$737	$1,916
			174650-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
		chases around perimeter drive	174687-20	mjp on pipe covering	OMA	33	14 in. O.D.	HTW/R	60	14	IV	$3,848	$2,473	$6,321
			174688-20	mjp on pipe covering	OMA				60	14	IV			
			174689-20	mjp on pipe covering	OMA				30	14	IV			
		The material types and quantities were estimated from available drawings, the accuracy of these drawings is uncertain. The material is located above permanent and semipermanent ceilings and bathroom pipe chases.							AREA TOTAL			$77,131	$53,582	$130,713
30	PAN AM	New Addition-Lower Level-Ceiling							AREA AVERAGE % ASB - 0%					
		freight elevator service room	187566-0	drop or lay-in panel	OMG	350	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
31	PAN AM	New Addition-Lower Level					AREA AVERAGE % ASB - 14%							
		room 1338-janitors closet	187592-41	fireproofing	OMC	92	sq.ft.		15	55	II	$3,322	$615	$3,937
		room 1306	187592-41	fireproofing	OMC	44	sq.ft.		15	55	II	$1,589	$294	$1,883
		room 1310-electrical closet	187592-41	fireproofing	OMC	85	sq.ft.		15	55	II	$3,069	$568	$3,637
		room 1341-janitor's closet	187592-41	fireproofing	OMC	42	sq.ft.		15	55	II	$1,517	$281	$1,798
		room 1311	187592-41	fireproofing	OMC	120	sq.ft.		15	55	II	$4,333	$802	$5,135
		L-28-electrical closets	187592-41	fireproofing	OMC	50	sq.ft.		15	55	II	$1,806	$334	$2,140
		L-8-electrical closets	187592-41	fireproofing	OMC	50	sq.ft.		15	55	II	$1,806	$334	$2,140
		room 1309-electrical closets	187592-41	fireproofing	OMC	180	sq.ft.		15	55	II	$6,500	$1,202	$7,702
		room 1305-electrical closets	187592-41	fireproofing	OMC	33	sq.ft.		15	55	II	$1,192	$220	$1,412
		freight elevator room-shaft ceiling	187592-41	fireproofing	OMC	48	sq.ft.		15	55	II	$1,733	$321	$2,054
		room 1331 with missing ceiling panels	187592-41	fireproofing	OMC	25	sq.ft.		15	55	II	$903	$167	$1,070
		elevator maintenance room by elevator 12	187592-41	fireproofing	OMC	60	sq.ft.		15	55	II	$2,167	$401	$2,568
		room 1815	187592-41	fireproofing	OMC	180	sq.ft.		15	55	II	$6,500	$1,202	$7,702
		room 1316	187592-41	fireproofing	OMC	20	sq.ft.		15	55	II	$722	$134	$856
			187593-41	fireproofing	OMC				10	55	II			
			187594-41	fireproofing	OMC				10	55	II			
			187595-41	fireproofing	OMC				10	55	II			
		The material is in fair condition, but is not encapsulated. There is severe overspray on many of the walls and ceilings. These rooms are subject to mechanical vibrations and are accessed regularly by airport personnel.							AREA TOTAL			$37,159	$6,875	$44,034
32	PAN AM	New Addition-Lower Level					AREA AVERAGE % ASB - 23%							
		room 1826	187548-0	pipe covering	OMA	35	ft. 12 in. O.D.	DW	40	20	III	$1,037	$797	$1,834
		valve room L-2	174693-22	mjp on non-suspect pipe cover	OMA	6	12 in. O.D.	DW	0					
		valve room L-4	174693-22	mjp on non-suspect pipe cover	OMA	9	12 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		room 1826	187549-35	mjp on pipe covering	OMA	6	16 in. O.D.	DW	45	20	III	$825	$611	$1,436
		room 1826	187549-35	mjp on pipe covering	OMA	9	12 in. O.D.	DW	45	20	III	$919	$574	$1,493
			187550-35	mjp on pipe covering	OMA				60	20	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187551-35	mjp on pipe covering	OMA				45	20	III			
		hallway outside room 1406	187552-36	mjp on non-suspect pipe cover	OMA	9	12 in. O.D.	DW	0	20	III	$919	$574	$1,493
			187553-36	mjp on non-suspect pipe cover	OMA				5	20	III			
			187554-36	mjp on non-suspect pipe cover	OMA				0	20	III			
		The material is in fair to good condition and located in rooms on the outside perimeter of the lower level driveway. These rooms are accessed infrequently.							AREA TOTAL			$3,700	$2,556	$6,256
33	PAN AM	New Addition-Lower Level							AREA AVERAGE % ASB - 2%					
		lower link building-throughout	187700-0	vinyl floor tile	ONZ	9650	sq.ft.		2	6	IV	$43,811	$33,196	$77,007
		customs area-inspection counters	187700-0	vinyl floor tile	ONZ	2200	sq.ft.		2	6	IV	$9,988	$7,568	$17,556
		The material is in fair condition with some deterioration in places. These areas are accessed frequently.							AREA TOTAL			$53,799	$40,764	$94,563
34	PAN AM	New Addition-Apron Level							AREA AVERAGE % ASB - 3%					
		room 2801-electrical room	187568-40	fireproofing	OMC	235	sq.ft.		0	55	II	$8,486	$1,570	$10,056
		cabin service area	187568-40	fireproofing	OMC	16800	sq.ft.		0	55	II	$606,648	$112,224	$718,872
		room 2705-supply area	187568-40	fireproofing	OMC	600	sq.ft.		0	55	II	$21,666	$4,008	$25,674
		elevator motor room	187568-40	fireproofing	OMC	96	sq.ft.		0	55	II	$3,467	$641	$4,108
		room 2759 by line maintenance shop	187568-40	fireproofing	OMC	288	sq.ft.		0	55	II	$10,400	$1,924	$12,324
		building services-unit manager's office	187568-40	fireproofing	OMC	548	sq.ft.		0	55	II	$19,788	$3,661	$23,449
		line maintenance equipmnt shop	187568-40	fireproofing	OMC	900	sq.ft.		0	55	II	$32,499	$6,012	$38,511
		valve room A-13	187568-40	fireproofing	OMC	40	sq.ft.		0	55	II	$1,444	$267	$1,711
			187569-40	fireproofing	OMC				15	55	II			
			187570-40	fireproofing	OMC				0	55	II			
			187571-40	fireproofing	OMC				0	55	II			
			187572-40	fireproofing	OMC				10	55	II			
			187573-40	fireproofing	OMC				15	55	II			
			187574-40	fireproofing	OMC				0	55	II			
			187575-40	fireproofing	OMC				0	55	II			
			187576-40	fireproofing	OMC				0	55	II			
			187577-40	fireproofing	OMC				0	55	II			
			187578-40	fireproofing	OMC				0	55	II			
			187579-40	fireproofing	OMC				15	55	II			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187580-40	fireproofing	OHC				10	55	II			
			187581-40	fireproofing	OHC				0	55	II			
			187582-40	fireproofing	OHC				0	55	II			
			187583-40	fireproofing	OHC				0	55	II			
			187584-40	fireproofing	OHC				10	55	II			
			187585-40	fireproofing	OHC				15	55	II			
			187586-40	fireproofing	OHC				0	55	II			
			187587-40	fireproofing	OHC				0	55	II			
			187588-40	fireproofing	OHC				0	55	II			
			187589-40	fireproofing	OHC				0	55	II			
			187590-40	fireproofing	OHC				0	55	II			
		The material is in fair condition, but is not encapsulated. These areas are accessed regularly. The material shows isolated areas of delamination and contact damage, and active fallout can sometimes be observed.							AREA TOTAL			$704,398	$130,307	$834,705
35	PAN AM	New Addit.-Apron Level-Line Maintenance							AREA AVERAGE % ASB - 4%					
	locker room		187568-40	fireproofing	OHC	130	sq.ft.		0	58	II	$4,694	$868	$5,562
			187569-40	fireproofing	OHC				15	58	II			
			187570-40	fireproofing	OHC				0	58	II			
			187571-40	fireproofing	OHC				0	58	II			
			187572-40	fireproofing	OHC				10	58	II			
			187573-40	fireproofing	OHC				15	58	II			
			187574-40	fireproofing	OHC				0	58	II			
			187575-40	fireproofing	OHC				0	58	II			
			187576-40	fireproofing	OHC				0	58	II			
			187577-40	fireproofing	OHC				0	58	II			
			187578-40	fireproofing	OHC				0	58	II			
			187579-40	fireproofing	OHC				15	58	II			
			187580-40	fireproofing	OHC				10	58	II			
			187581-40	fireproofing	OHC				0	58	II			
			187582-40	fireproofing	OHC				0	58	II			
			187583-40	fireproofing	OHC				0	58	II			
			187584-40	fireproofing	OHC				10	58	II			
			187585-40	fireproofing	OHC				15	58	II			
			187586-40	fireproofing	OHC				0	58	II			
			187587-40	fireproofing	OHC				0	58	II			

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			187588-40	fireproofing	OHC				0	58	II			
			187589-40	fireproofing	OHC				0	58	II			
			187590-40	fireproofing	OHC				0	58	II			
		This area is accessed frequently by maintenance personnel. The material is in fair condition but is not encapsulated and shows some damage in isolated areas. This room is subjected to outside mechanical vibrations.							AREA TOTAL			$4,694	$868	$5,562
36	PAN AM	New Addition-Apron Level-Ceilings							AREA AVERAGE % ASB - 0%					
		line maintenance-general office	187591-0	drop or lay-in panel	OHG	120	sq.ft.		0					
		conveyor shop	187591-0	drop or lay-in panel	OHG	800	sq.ft.		0					
		gate 8 lounge	187644-0	drop or lay-in panel	OHG	2450	sq.ft.		0					
		line maintenance-general office	187656-0	acoustical tile	OHG	1200	sq.ft.		0					
		fleet service boardmans office	187656-0	acoustical tile	OHG	450	sq.ft.		0					
		ramp service supervisor's office	187656-0	acoustical tile	OHG	750	sq.ft.		0					
		ramp service general office	187656-0	acoustical tile	OHG	1150	sq.ft.		0					
		room 2754	187656-0	acoustical tile	OHG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
37	PAN AM	New Addition-Apron Level							AREA AVERAGE % ASB - 0%					
		room 2801	187512-27	mjp on non-suspect pipe cover	OHA	14	12 in. O.D.	CW	0					
			187513-27	mjp on non-suspect pipe cover	OHA				0					
			187514-27	mjp on non-suspect pipe cover	OHA				0					
		auto shop	187515-28	mjp on non-suspect pipe cover	OHA	8	4 in. O.D.	HWS/R	0					
		compactor room	187515-28	mjp on non-suspect pipe cover	OHA	10	8 in. O.D.	HWS/R	0					
		stairwell 2720-2721	187515-28	mjp on non-suspect pipe cover	OHA	4	4 in. O.D.	HWS/R	0					
		room 2727	187515-28	mjp on non-suspect pipe cover	OHA	4	4 in. O.D.	HWS/R	0					
		machine room #2	187515-28	mjp on non-suspect pipe cover	OHA	4	4 in. O.D.	HWS/R	0					
		room 2754	187515-28	mjp on non-suspect pipe cover	OHA	8	4 in. O.D.	HWS/R	0					
		room 2705-supply area	187515-28	mjp on non-suspect pipe cover	OHA	48	4 in. O.D.	HWS/R	0					
		room 2724-cabin service area	187515-28	mjp on non-suspect pipe cover	OHA	67	4 in. O.D.	HWS/R	0					
		room 2724-cabin service area	187515-28	mjp on non-suspect pipe cover	OHA	8	6 in. O.D.	HWS/R	0					
		room 2816-valve room A-13	187515-28	mjp on non-suspect pipe cover	OHA	20	4 in. O.D.	HWS/R	0					
		building services unit managers office	187515-28	mjp on non-suspect pipe cover	OHA	2	4 in. O.D.	HWS/R	0					

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		building services unit managers office	187515-28	mjp on non-suspect pipe cover	OHA	2	6 in. O.D.	HWS/R	0					
		line maint general office-below drop	187515-28	mjp on non-suspect pipe cover	OHA	8	4 in. O.D.	HWS/R	0					
		room 2439	187515-28	mjp on non-suspect pipe cover	OHA	4	4 in. O.D.	HWS/R	0					
		room 2473-compressor room	187515-28	mjp on non-suspect pipe cover	OHA	8	4 in. O.D.	HWS/R	0					
		compactor room	187515-28	mjp on non-suspect pipe cover	OHA	4	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OHA				0					
			187517-28	mjp on non-suspect pipe cover	OHA				0					
								AREA TOTAL				$0	$0	$0
38	PAN AM	New Addit.-Apron Level-Baggage Handling						AREA AVERAGE % ASB - 0%						
		west side-south end by ceiling heater	174693-22	mjp on non-suspect pipe cover	OHA	7	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OHA				0					
			174695-22	mjp on non-suspect pipe cover	OHA				0					
		east side by north side garage door	187512-27	mjp on non-suspect pipe cover	OHA	2	12 in. O.D.	CW	0					
			187513-27	mjp on non-suspect pipe cover	OHA				0					
			187514-27	mjp on non-suspect pipe cover	OHA				0					
		east side by north side garage door	187515-28	mjp on non-suspect pipe cover	OHA	12	4 in. O.D.	HWS/R	0					
		west side-south end	187515-28	mjp on non-suspect pipe cover	OHA	6	4 in. O.D.	HWS/R	0					
		west side-south end	187515-28	mjp on non-suspect pipe cover	OHA	6	6 in. O.D.	HWS/R	0					
		west side-throughout	187515-28	mjp on non-suspect pipe cover	OHA	86	4 in. O.D.	HWS/R	0					
		east side by north side garage door	187515-28	mjp on non-suspect pipe cover	OHA	6	6 in. O.D.	HWS/R	0					
		west side by middle garage door	187515-28	mjp on non-suspect pipe cover	OHA	78	4 in. O.D.	HWS/R	0					
		west side by middle garage door	187515-28	mjp on non-suspect pipe cover	OHA	15	6 in. O.D.	HWS/R	0					
		east side by middle garage door	187515-28	mjp on non-suspect pipe cover	OHA	7	6 in. O.D.	HWS/R	0					
		west side-throughout	187515-28	mjp on non-suspect pipe cover	OHA	46	6 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OHA	38	4 in. O.D.	HWS/R	0					
		east side by middle garage door	187515-28	mjp on non-suspect pipe cover	OHA	66	4 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OHA	20	4 in. O.D.	HWS/R	0					
		E side between center & NE garage door	187515-28	mjp on non-suspect pipe cover	OHA	55	4 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OHA	11	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OHA				0					
			187517-28	mjp on non-suspect pipe cover	OHA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
39	PAN AM	New Addition-Apron Level-MER #2					AREA AVERAGE % ASB - 0%							
		around primeter walls	174693-22	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	75	8 in. O.D.	CWS/R	0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	34	6 in. O.D.	CWS/R	0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	16	12 in. O.D.	CWS/R	0					
			187513-27	mjp on non-suspect pipe cover	OMA				0					
			187514-27	mjp on non-suspect pipe cover	OMA				0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	384	4 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	7	12 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	36	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL				$0	$0	$0
40	PAN AM	New Addition-Apron Level-MER #2					AREA AVERAGE % ASB - 20%							
		on ceiling & steel beams-throughout	187518-29	fireproofing	OMC	15600	sq.ft.		20	54	II	$563,316	$104,208	$667,524
			187519-29	fireproofing	OMC				15	54	II			
			187520-29	fireproofing	OMC				10	54	II			
			187521-29	fireproofing	OMC				20	54	II			
			187522-29	fireproofing	OMC				20	54	II			
			187523-29	fireproofing	OMC				20	54	II			
			187524-29	fireproofing	OMC				30	54	II			
			187525-29	fireproofing	OMC				25	54	II			
								AREA TOTAL				$563,316	$104,208	$667,524

The material is in fair condition on the ceiling I-beams with overspray on the concrete ceiling. There is severe noise and vibrations in this room and the material shows damage and delamination in isolated areas.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
41	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB - 7%							
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OHA	72	6 in. O.D.	DW	20	16	IV	$3,747	$2,201	$5,948
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OHA	20	8 in. O.D.	DW	20	16	IV	$1,295	$761	$2,056
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OHA	450	4 in. O.D.	DW	20	16	IV	$17,010	$9,450	$26,460
			174650-11	mjp on non-suspect pipe cover	OHA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OHA				20	16	IV			
		above permanent & semipermanent ceiling	187512-27	mjp on non-suspect pipe cover	OHA	18	6 in. O.D.	HWS/R	0					
			187513-27	mjp on non-suspect pipe cover	OHA				0					
			187514-27	mjp on non-suspect pipe cover	OHA				0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OHA	225	4 in. O.D.	HWS/R	0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OHA	56	8 in. O.D.	HWS/R	0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OHA	8	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OHA				0					
			187517-28	mjp on non-suspect pipe cover	OHA				0					
								AREA TOTAL				$22,052	$12,412	$34,464

The material types and quantities were estimated from available although incomplete drawings. The accuracy of these drawings is uncertain. The material is located above permanent or semipermanent ceilings and pipe chases.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
42	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB - 4%							
		upper link-above drop & semiperm ceiling	187568-40	fireproofing	OHC	32145	sq.ft.		0	36	III	1,160,756	$214,729	1,375,485
		all areas south of upper link-above drop	187568-40	fireproofing	OHC	126003	sq.ft.		0	36	III	4,549,968	$841,700	5,391,668
			187569-40	fireproofing	OHC				15	36	III			
			187570-40	fireproofing	OHC				0	36	III			
			187571-40	fireproofing	OHC				0	36	III			
			187572-40	fireproofing	OHC				10	36	III			
			187573-40	fireproofing	OHC				15	36	III			
			187574-40	fireproofing	OHC				0	36	III			
			187575-40	fireproofing	OHC				0	36	III			
			187576-40	fireproofing	OHC				0	36	III			
			187577-40	fireproofing	OHC				0	36	III			
			187578-40	fireproofing	OHC				0	36	III			
			187579-40	fireproofing	OHC				15	36	III			
			187580-40	fireproofing	OHC				10	36	III			
			187581-40	fireproofing	OHC				0	36	III			
			187582-40	fireproofing	OHC				0	36	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187583-40	fireproofing	OMC				0	36	III			
			187584-40	fireproofing	OMC				10	36	III			
			187585-40	fireproofing	OMC				15	36	III			
			187586-40	fireproofing	OMC				0	36	III			
			187587-40	fireproofing	OMC				0	36	III			
			187588-40	fireproofing	OMC				0	36	III			
			187589-40	fireproofing	OMC				0	36	III			
			187590-40	fireproofing	OMC				0	36	III			
		The material is located above the drop and semipermanent ceilings. The material quantities were estimated from available drawings. The actual material quantities may vary. There are numerous missing ceiling tiles and panels, especially on the overhangs surrounding the apron level.							AREA TOTAL			5,710,724	1,056,429	6,767,153
43	PAN AM	New Addition-Apron Level-Baggage Area							AREA AVERAGE % ASB - 4%					
		on ceilings-throughout	187568-40	fireproofing	OMC	224807 sq.ft.			0	65	I	8,117,781	1,501,711	9,619,492
			187569-40	fireproofing	OMC				15	65	I			
			187570-40	fireproofing	OMC				0	65	I			
			187571-40	fireproofing	OMC				0	65	I			
			187572-40	fireproofing	OMC				10	65	I			
			187573-40	fireproofing	OMC				15	65	I			
			187574-40	fireproofing	OMC				0	65	I			
			187575-40	fireproofing	OMC				0	65	I			
			187576-40	fireproofing	OMC				0	65	I			
			187577-40	fireproofing	OMC				0	65	I			
			187578-40	fireproofing	OMC				0	65	I			
			187579-40	fireproofing	OMC				15	65	I			
			187580-40	fireproofing	OMC				10	65	I			
			187581-40	fireproofing	OMC				0	65	I			
			187582-40	fireproofing	OMC				0	65	I			
			187583-40	fireproofing	OMC				0	65	I			
			187584-40	fireproofing	OMC				10	65	I			
			187585-40	fireproofing	OMC				15	65	I			
			187586-40	fireproofing	OMC				0	65	I			
			187587-40	fireproofing	OMC				0	65	I			
			187588-40	fireproofing	OMC				0	65	I			
			187589-40	fireproofing	OMC				0	65	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERI .	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187590-40	fireproofing	OMC				0	65	I			
		The material is in fair condition with isolated areas of damage. This area is open to the outside and is subject to severe mechanical and noise vibrations from machinary and baggage handling conveyors. There is a strong air plenum through this area occasionally and the area is accessed frequently.							AREA TOTAL			8,117,781	1,501,711	9,619,492
44	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB -		2%					
		cafeteria & hallways area	187698-0	vinyl floor tile	OMZ	98560	sq.ft.		2	7	IV	$447,462	$339,046	$786,508
		upper link building-throughout	187699-0	vinyl floor tile	OMZ	8890	sq.ft.		2	7	IV	$40,361	$30,582	$70,943
		The material has isolated areas of deterioration. These areas are accessed frequently.							AREA TOTAL			$487,823	$369,628	$857,451
45	PAN AM	New Addition-Outbound Level					AREA AVERAGE % ASB -		0%					
		throughout concourse	187536-33	mjp on non-suspect pipe cover	OMA	720	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
46	PAN AM	New Add.-Outbound Level-Service Counter					AREA AVERAGE % ASB -		9%					
		east-above open grid ceiling	187596-42	fireproofing	OMC	216	sq.ft.		10	60	I	$7,800	$1,443	$9,243
			187597-42	fireproofing	OMC				15	60	I			
			187598-42	fireproofing	OMC				10	60	I			
			187599-42	fireproofing	OMC				10	60	I			
		west-above open grid ceiling	187608-42	fireproofing	OMC	216	sq.ft.		2	60	I	$7,800	$1,443	$9,243
			187609-42	fireproofing	OMC				4	60	I			
			187610-42	fireproofing	OMC				10	60	I			
			187611-42	fireproofing	OMC				10	60	I			
			187612-42	fireproofing	OMC				6	60	I			
			187613-42	fireproofing	OMC				10	60	I			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		This material has been sprayed-on the structural steel and decking. Overspray on electrical conduit and ceiling suspension wires was present. The material is located above the Pan Am service counters. There is a decorative grid ceiling which provides no protection from fallout in this area.							AREA TOTAL			$15,600	$2,886	$18,486
47	PAN AM	New Addition-Outbound Level							AREA AVERAGE % ASB - 15%					
		above drop & semipermanent ceilings	187624-44	fireproofing	OMC	344600 sq.ft.			25	34	III	12,443,506	2,301,928	14,745,434
			187625-44	fireproofing	OMC				30	34	III			
			187626-44	fireproofing	OMC				20	34	III			
			187627-44	fireproofing	OMC				18	34	III			
			187628-44	fireproofing	OMC				15	34	III			
			187629-44	fireproofing	OMC				20	34	III			
			187630-44	fireproofing	OMC				10	34	III			
			187631-44	fireproofing	OMC				10	34	III			
			187632-44	fireproofing	OMC				8	34	III			
			187633-44	fireproofing	OMC				12	34	III			
			187634-44	fireproofing	OMC				15	34	III			
			187635-44	fireproofing	OMC				15	34	III			
			187636-44	fireproofing	OMC				8	34	III			
			187637-44	fireproofing	OMC				0	34	III			
			187638-44	fireproofing	OMC				12	34	III			
			187639-44	fireproofing	OMC				15	34	III			
			187640-44	fireproofing	OMC				10	34	III			
			187641-44	fireproofing	OMC				15	34	III			
			187642-44	fireproofing	OMC				10	34	III			
			187643-44	fireproofing	OMC				15	34	III			
			187645-44	fireproofing	OMC				10	34	III			
			187646-44	fireproofing	OMC				12	34	III			
			187647-44	fireproofing	OMC				25	34	III			
			187648-44	fireproofing	OMC				30	34	III			
			187649-44	fireproofing	OMC				25	34	III			
			187650-44	fireproofing	OMC				15	34	III			
			187651-44	fireproofing	OMC				8	34	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	ORM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The material is in fair condition and sprayed-on steel beams with overspray on the concrete ceiling. The material quantities were estimated from available drawings. The actual quantity may vary. The areas under this material are accessed by a large number of people daily.							AREA TOTAL			12,443,506	2,301,928	14,745,434
48	PAN AM	New Addition-Outbound Level-Ceilings							AREA AVERAGE % ASB -	0%				
		room 3939-janitor's closet	187547-0	drop or lay-in panel	OMG	8	sq.ft.		0					
		throughout	187644-0	drop or lay-in panel	OMG	209500	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
49	PAN AM	New Addition-Outbound Level							AREA AVERAGE % ASB -	%				
		room 1217-on ceilings	99999-0	transite panels	OMZ	21	sq.ft.					$51	$101	$152
		jetway interior walls	99999-0	transite panels	OMZ	13380	sq.ft.					$32,246	$64,358	$96,604
		The jetway Transite could not be sampled without causing extreme cosmetic damage to the areas.							AREA TOTAL			$32,297	$64,459	$96,756
50	PAN AM	New Addition-Outbound Level-Maintenance							AREA AVERAGE % ASB -	16%				
		room 3826-electrical closet	187624-44	fireproofing	OMC	110	sq.ft.		25	53	II	$3,972	$735	$4,707
		room 3524	187624-44	fireproofing	OMC	144	sq.ft.		25	53	II	$5,200	$962	$6,162
		room 3729	187624-44	fireproofing	OMC	150	sq.ft.		25	53	II	$5,417	$1,002	$6,419
		room 3713-electrical closet	187624-44	fireproofing	OMC	10	sq.ft.		25	53	II	$361	$67	$428
		room 3939	187624-44	fireproofing	OMC	180	sq.ft.		25	53	II	$6,500	$1,202	$7,702
			187625-44	fireproofing	OMC				30	53	II			
			187626-44	fireproofing	OMC				20	53	II			
			187627-44	fireproofing	OMC				18	53	II			
			187628-44	fireproofing	OMC				15	53	II			
			187629-44	fireproofing	OMC				20	53	II			
			187630-44	fireproofing	OMC				10	53	II			
			187631-44	fireproofing	OMC				10	53	II			
			187632-44	fireproofing	OMC				8	53	II			
			187633-44	fireproofing	OMC				12	53	II			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187634-44	fireproofing	OMC				15	53	II			
			187635-44	fireproofing	OMC				15	53	II			
			187636-44	fireproofing	OMC				8	53	II			
			187637-44	fireproofing	OMC				0	53	II			
			187638-44	fireproofing	OMC				12	53	II			
			187639-44	fireproofing	OMC				15	53	II			
			187640-44	fireproofing	OMC				10	53	II			
			187641-44	fireproofing	OMC				15	53	II			
			187642-44	fireproofing	OMC				10	53	II			
			187643-44	fireproofing	OMC				15	53	II			
			187645-44	fireproofing	OMC				10	53	II			
			187646-44	fireproofing	OMC				12	53	II			
			187647-44	fireproofing	OMC				25	53	II			
			187648-44	fireproofing	OMC				30	53	II			
			187649-44	fireproofing	OMC				25	53	II			
			187650-44	fireproofing	OMC				15	53	II			
			187651-44	fireproofing	OMC				8	53	II			
		The material is in fair condition with heavy overspray on the concrete walls and ceilings. These rooms are accessed infrequently by airport personnel.							AREA TOTAL			$21,450	$3,968	$25,418
51	PAN AM	New Addition-Outbound Level					AREA AVERAGE % ASB - 0%							
	stairwell 3938		187530-31	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
52	PAN AM	New Addition-4th Floor-Mechanical Room					AREA AVERAGE % ASB - 0%							
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	48	8 in. O.D.	HWS/R	0					
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	16	6 in. O.D.	HWS/R	0					
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	357	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OWN CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		throughout	187533-32	mjp on non-suspect pipe cover	OHA	84	8 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OHA	16	14 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OHA	32	12 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OHA	28	10 in. O.D.	CW	0					
			187534-32	mjp on non-suspect pipe cover	OHA				0					
			187535-32	mjp on non-suspect pipe cover	OHA				0					
		throughout	187536-33	mjp on non-suspect pipe cover	OHA	33	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OHA				0					
			187538-33	mjp on non-suspect pipe cover	OHA				0					
									AREA TOTAL			$0	$0	$0
53	PAN AM	New Addition-4th Floor-Mechanical Room							AREA AVERAGE % ASB - 7%					
		throughout ceiling beams	187539-34	fireproofing	OHC	8500	sq.ft.		10	54	II	$306,935	$56,780	$363,715
			187540-34	fireproofing	OHC				10	54	II			
			187541-34	fireproofing	OHC				10	54	II			
			187542-34	fireproofing	OHC				5	54	II			
			187543-34	fireproofing	OHC				0	54	II			
			187544-34	fireproofing	OHC				15	54	II			
			187545-34	fireproofing	OHC				0	54	II			
		The material is in fair condition on steel beams with overspray on the concrete and conduit. There are severe mechanical vibrations in this area and it is accessed regularly by maintenance personnel.							AREA TOTAL			$306,935	$56,780	$363,715
54	PAN AM	New Addition-4th Floor-Ceilings							AREA AVERAGE % ASB - 0%					
		hallways-throughout	187546-0	acoustical tile	OHG	2730	sq.ft.		0					
		in front of room 4248	187547-0	drop or lay-in panel	OHG	198	sq.ft.		0					
		room 4250W	187547-0	drop or lay-in panel	OHG	288	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
55	PAN AM	New Addition-4th Floor							AREA AVERAGE % ASB - 8%					

AREA #	TENANT LOCATION	AREA DESCRIPTION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	room 4712		187539-34	fireproofing	OMC	495	sq.ft.		10	55	II	$17,874	$3,307	$21,181
	room 4256W		187539-34	fireproofing	OMC	48	sq.ft.		10	55	II	$1,733	$321	$2,054
			187540-34	fireproofing	OMC				10	55	II			
			187541-34	fireproofing	OMC				10	55	II			
			187542-34	fireproofing	OMC				5	55	II			
			187543-34	fireproofing	OMC				0	55	II			
			187544-34	fireproofing	OMC				15	55	II			
			187545-34	fireproofing	OMC				0	55	II			
	This room is accessed infrequently. There is overspray on the ceilings.								AREA TOTAL			$19,607	$3,628	$23,235
56	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB - 0%							
	room 4712		187530-31	mjp on non-suspect pipe cover	OMA	98	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					
	room 4712		187533-32	mjp on non-suspect pipe cover	OMA	22	6 in. O.D.	CW	0					
			187534-32	mjp on non-suspect pipe cover	OMA				0					
			187535-32	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
57	PAN AM	New Addition-4th Floor-Clipper Club					AREA AVERAGE % ASB - 0%							
	above drop & semipermanent ceilings		187536-33	mjp on non-suspect pipe cover	OMA	42	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
58	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB - 0%							
	above drop & semipermanent ceilings		174696-23	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	TW	0					
			174697-23	mjp on non-suspect pipe cover	OMA				0					
			174698-23	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		above drop & semipermanent ceilings	187530-31	mjp on non-suspect pipe cover	OHA	18	8 in. O.D.	NWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OHA				0					
			187532-31	mjp on non-suspect pipe cover	OHA				0					
		above drop & semipermanent ceilings	187536-33	mjp on non-suspect pipe cover	OHA	160	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OHA				0					
			187538-33	mjp on non-suspect pipe cover	OHA				0					
									AREA TOTAL			$0	$0	$0
59	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB -		7%					
		above drop & semipermanent ceilings	187539-34	fireproofing	OHC	60650	sq.ft.		10	34	III	2,190,072	$405,142	2,595,214
			187540-34	fireproofing	OHC				10	34	III			
			187541-34	fireproofing	OHC				10	34	III			
			187542-34	fireproofing	OHC				5	34	III			
			187543-34	fireproofing	OHC				0	34	III			
			187544-34	fireproofing	OHC				15	34	III			
			187545-34	fireproofing	OHC				0	34	III			
		The material is in fair condition and sprayed-on steel beams with overspray on the concrete ceiling. The material quantities were estimated from available drawings. The actual amounts may vary. The areas under this material are offices and are used frequently.							AREA TOTAL			2,190,072	$405,142	2,595,214
60	PAN AM	New Addition-Penthouse-Intake Rooms					AREA AVERAGE % ASB -		1%					
		south west room	187603-0	fireproofing	OHC	600	sq.ft.		0					
		south, east room	187606-0	fireproofing	OHC	600	sq.ft.		2	72	I	$14,202	$3,072	$17,274
		north & south center rooms	187607-0	fireproofing	OHC	200	sq.ft.		0					
		The material in these areas is fireproofing on structural steel. It is very friable and subject to wind erosion. It is located in the north and south rooms. The area is used for building air intake. The southeast and southwest rooms have very limited accessibility.							AREA TOTAL			$14,202	$3,072	$17,274
61	PAN AM	New Addition-Penthouse-Intake Rooms					AREA AVERAGE % ASB -		0%					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		west room on structural steel	187601-0	fireproofing	OMC	1400	sq.ft.		0					
			187602-0	fireproofing	OMC				0					
		east room on structural steel	187604-0	fireproofing	OMC	1400	sq.ft.		0					
			187605-0	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
62	PAN AM	New Addition-Lower Link Bldg-Ceilings					AREA AVERAGE % ASB -		0%					
		throughout lower floor-ceiling	187657-0	acoustical tile	OMG	9880	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
63	PAN AM	New Addition-Lower Link Building					AREA AVERAGE % ASB -		10%					
		throughout	174649-11	mjp on non-suspect pipe cover	OMA	102	4 in. O.D.	DW	20	16	IV	$3,856	$2,142	$5,998
			174650-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	46	8 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	30	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$3,856	$2,142	$5,998
64	PAN AM	New Addition-Upper Link Bldg-Ceilings					AREA AVERAGE % ASB -		0%					
		throughout upper floor	187656-0	acoustical tile	OMG	6400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

The material types and quantities were estimated from available, although incomplete drawings. The material is located above permanent and semipermanent ceilings and between pipe chases. The materials were inaccessible at the time of the survey.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
65	PAN AM	New Addition-Upper Link Building					AREA AVERAGE % ASB - 4%							
	room 2219-ceiling		187568-40	fireproofing	OMC	300	sq.ft.		0	42	II	$10,833	$2,004	$12,837
			187569-40	fireproofing	OMC				15	42	II			
			187570-40	fireproofing	OMC				0	42	II			
			187571-40	fireproofing	OMC				0	42	II			
			187572-40	fireproofing	OMC				10	42	II			
			187573-40	fireproofing	OMC				15	42	II			
			187574-40	fireproofing	OMC				0	42	II			
			187575-40	fireproofing	OMC				0	42	II			
			187576-40	fireproofing	OMC				0	42	II			
			187577-40	fireproofing	OMC				0	42	II			
			187578-40	fireproofing	OMC				0	42	II			
			187579-40	fireproofing	OMC				15	42	II			
			187580-40	fireproofing	OMC				10	42	II			
			187581-40	fireproofing	OMC				0	42	II			
			187582-40	fireproofing	OMC				0	42	II			
			187583-40	fireproofing	OMC				0	42	II			
			187584-40	fireproofing	OMC				10	42	II			
			187585-40	fireproofing	OMC				15	42	II			
			187586-40	fireproofing	OMC				0	42	II			
			187587-40	fireproofing	OMC				0	42	II			
			187588-40	fireproofing	OMC				0	42	II			
			187589-40	fireproofing	OMC				0	42	II			
			187590-40	fireproofing	OMC				0	42	II			
									AREA TOTAL			$10,833	$2,004	$12,837

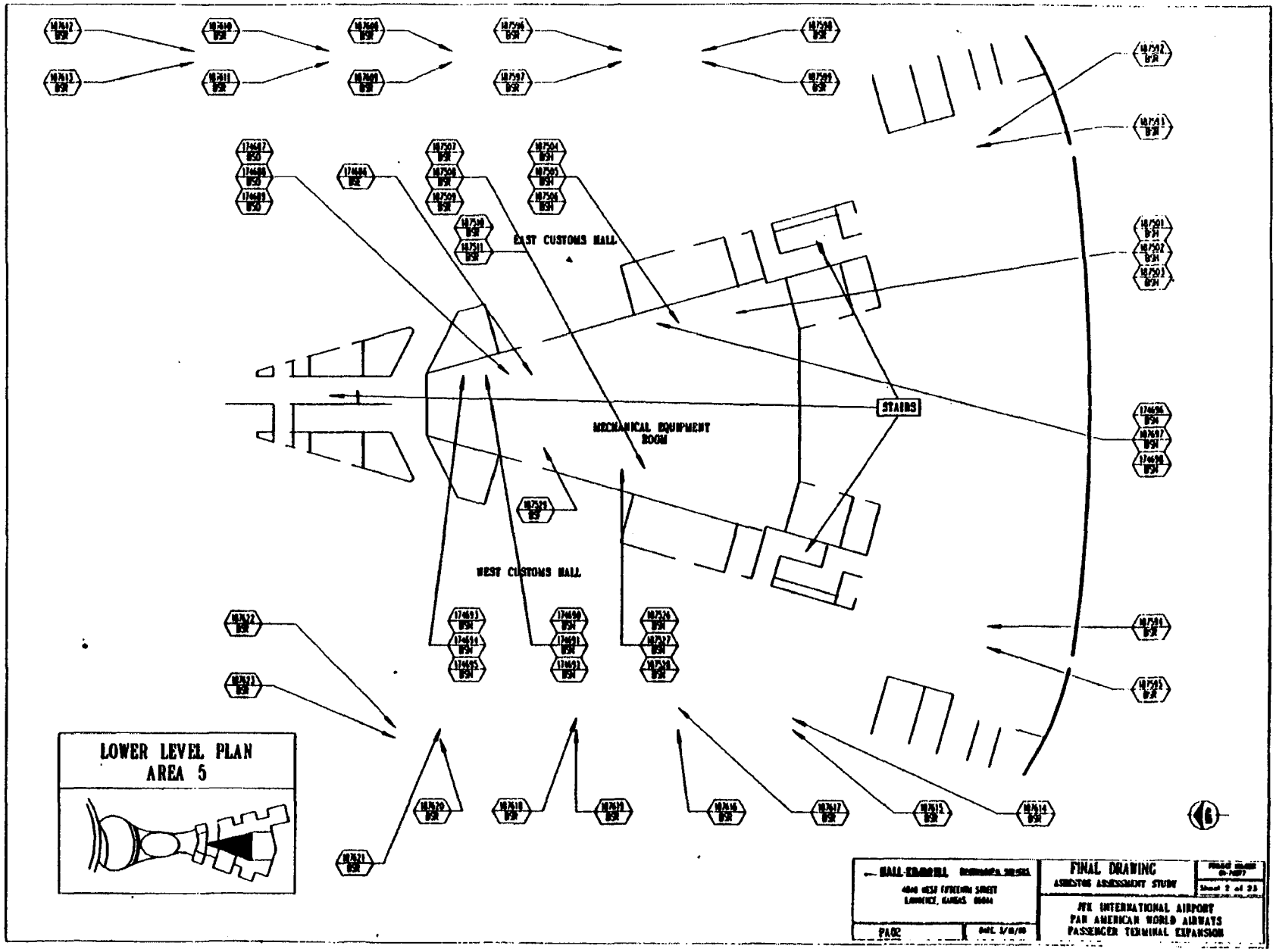
The material is in fair condition with much overspray on the concrete ceiling. This room is accessed infrequently.

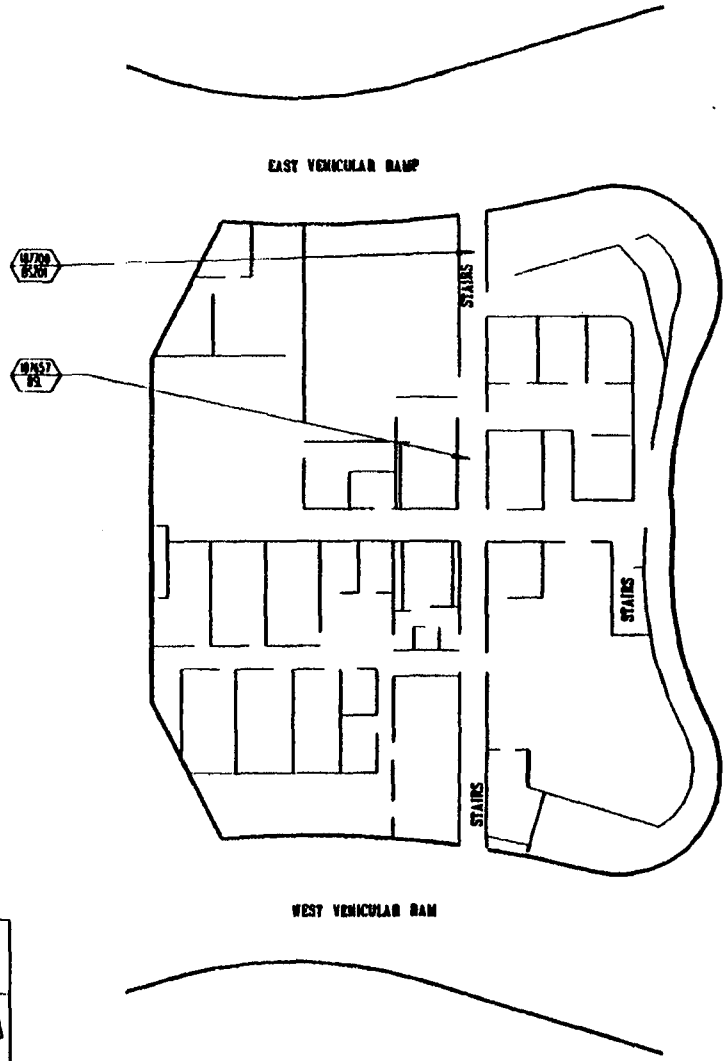
AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
66	PAN AM	New Addition-Upper Link Building					AREA AVERAGE % ASB - 10%							
	throughout		174649-11	mjp on non-suspect pipe cover	OMA	115	4 in. O.D.	DW	20	16	IV	$4,347	$2,415	$6,762
			174650-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
	throughout		187515-28	mjp on non-suspect pipe cover	OMA	12	8 in. O.D.	HWS/R	0					
	throughout		187515-28	mjp on non-suspect pipe cover	OMA	49	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187517-28	mjp on non-suspect pipe cover	OHA				0					
		The material types and quantities were estimated from available, although incomplete drawings. The material is located above permanent and semipermanent ceilings and between bathroom pipe chases. These areas were inaccessible at the time of the survey.							AREA TOTAL			$4,347	$2,415	$6,762
67	PAN AM	External Gate Jetways					AREA AVERAGE % ASB - 0%							
		external jetways around	187562-39	weatherproof coating	OHZ	36940 sq.ft.			0					
			187563-39	weatherproof coating	OHZ				0					
			187564-39	weatherproof coating	OHZ				0					
									AREA TOTAL			$0	$0	$0
							TENANT - PAN AM		TOTAL			32,904,466	6,658,026	39,562,492

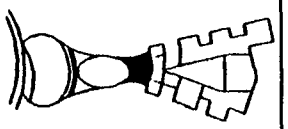
AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
68	U.S. CUSTOMS	New Addition-Lower Level-Baggage Claim					AREA AVERAGE % ASB - 14%							
		above drop & semipermanent ceilings	187614-43	fireproofing	OMC	17400	sq.ft.		15	20	III	$628,314	$116,232	$744,546
			187615-43	fireproofing	OMC				15	20	III			
			187616-43	fireproofing	OMC				15	20	III			
			187617-43	fireproofing	OMC				12	20	III			
			187618-43	fireproofing	OMC				18	20	III			
			187619-43	fireproofing	OMC				18	20	III			
			187620-43	fireproofing	OMC				12	20	III			
			187621-43	fireproofing	OMC				15	20	III			
			187622-43	fireproofing	OMC				8	20	III			
			187623-43	fireproofing	OMC				15	20	III			
		The material quantities were estimated from available drawings where accuracy is unknown. The material is not encapsulated and is above metal panel ceilings in an area which is heavily accessed and has much mechanical vibrations from the baggage conveyors.						AREA TOTAL				$628,314	$116,232	$744,546
69	U.S. CUSTOMS	New Addition-Lower Level					AREA AVERAGE % ASB - 11%							
		ceiling over agent's cubicles	187592-41	fireproofing	OMC	3780	sq.ft.		15	46	II	$136,496	$25,250	$161,746
			187593-41	fireproofing	OMC				10	46	II			
			187594-41	fireproofing	OMC				10	46	II			
			187595-41	fireproofing	OMC				10	46	II			
		ceiling over baggage claim areas 5 & 6	187596-42	fireproofing	OMC	15156	sq.ft.		10	46	II	$547,283	$101,242	$648,525
			187597-42	fireproofing	OMC				15	46	II			
			187598-42	fireproofing	OMC				10	66	II			
			187599-42	fireproofing	OMC				10	46	II			
			187608-42	fireproofing	OMC				2	46	II			
			187609-42	fireproofing	OMC				4	46	II			
			187610-42	fireproofing	OMC				10	46	II			
			187611-42	fireproofing	OMC				10	46	II			
			187612-42	fireproofing	OMC				6	46	II			
			187613-42	fireproofing	OMC				10	46	II			
		ceiling over baggage claim areas 1 & 2	187614-43	fireproofing	OMC	14868	sq.ft.		15	46	II	$536,883	$99,318	$636,201
			187615-43	fireproofing	OMC				15	46	II			
			187616-43	fireproofing	OMC				15	46	II			
			187617-43	fireproofing	OMC				12	46	II			

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187618-43	fireproofing	OMC				18	46	11			
			187619-43	fireproofing	OMC				18	46	11			
			187620-43	fireproofing	OMC				12	46	11			
			187621-43	fireproofing	OMC				15	46	11			
			187622-43	fireproofing	OMC				8	46	11			
			187623-43	fireproofing	OMC				15	46	11			
	The material is on the exposed ceilings over the baggage carousels and customs counters. The material is encapsulated with paint but is damaged and exposed in several areas. There are severe mechanical vibrations from baggage conveyors coming down through the ceiling to the carousels and the possibility of baggage contact damage exists. The material quantities were estimated from available, but incomplete drawings.								AREA TOTAL			1,220,662	$225,810	1,446,472
							TENANT - U.S. CUSTOMS		TOTAL			1,848,976	$342,042	2,191,018
									BUILDING TOTAL			34,840,106	7,016,100	41,856,206


EAST CUSTOMS HALL
MECHANICAL EQUIPMENT ROOM
STAIRS
WEST CUSTOMS HALL
LOWER LEVEL PLAN
AREA 5
HALL-TERRELL
4040 WEST FRANKLIN STREET
LAWRENCE, KANSAS 66044
PAOC
FINAL DRAWING
ASBESTOS ASSESSMENT STUDY
JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

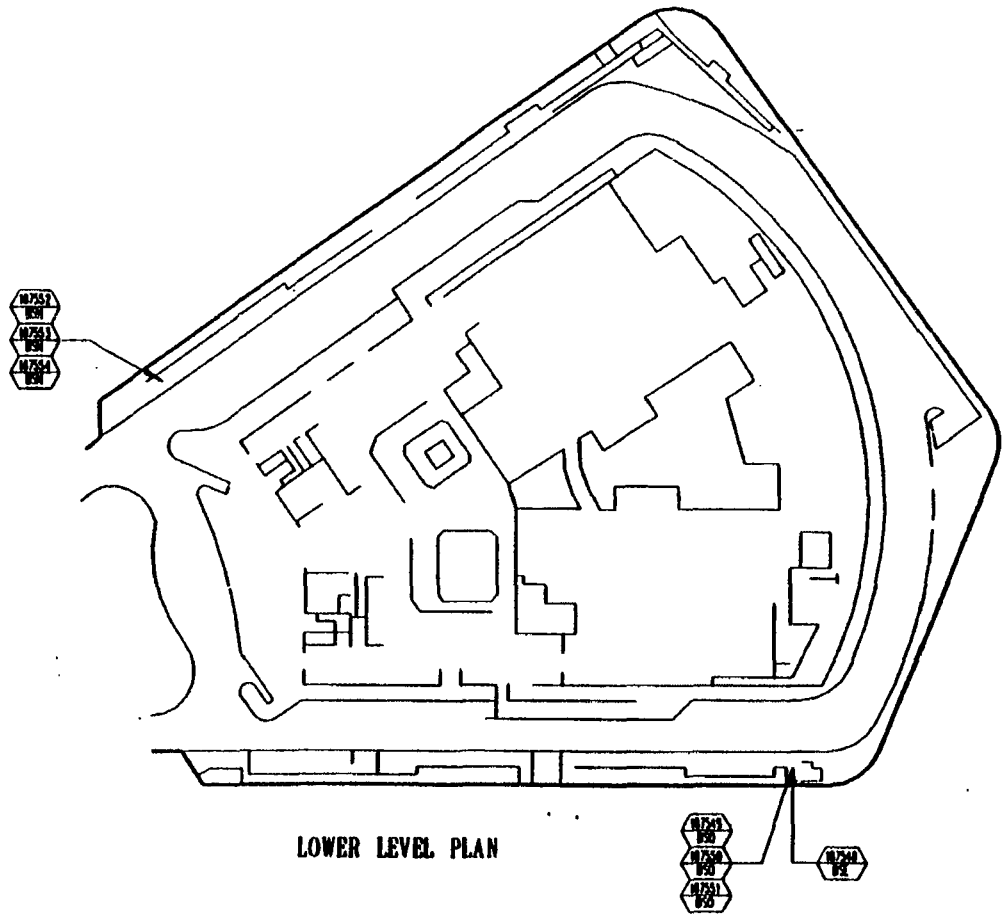


LOWER LEVEL PLAN
AREA 4



SECURITY AREA
PILOTS AND FLIGHT ATTENDENTS LOUNGE

HALL-TERRERA [illegible] 4846 WEST FIFTEENTH STREET LAWRENCE, KANSAS 66044	FINAL DRAWING ASBESTOS ASSESSMENT STUDY	[illegible] Sheet 9 of 23
PAOH	DATE 5/15/86	JFK INTERNATIONAL AIRPORT PAN AMERICAN WORLD AIRWAYS PASSENGER TERMINAL EXPANSION



HALL-EMMERIG

4840 WEST 6TH STREET
LAWRENCE, KANSAS 66044

SCALE: 1/8" = 1'

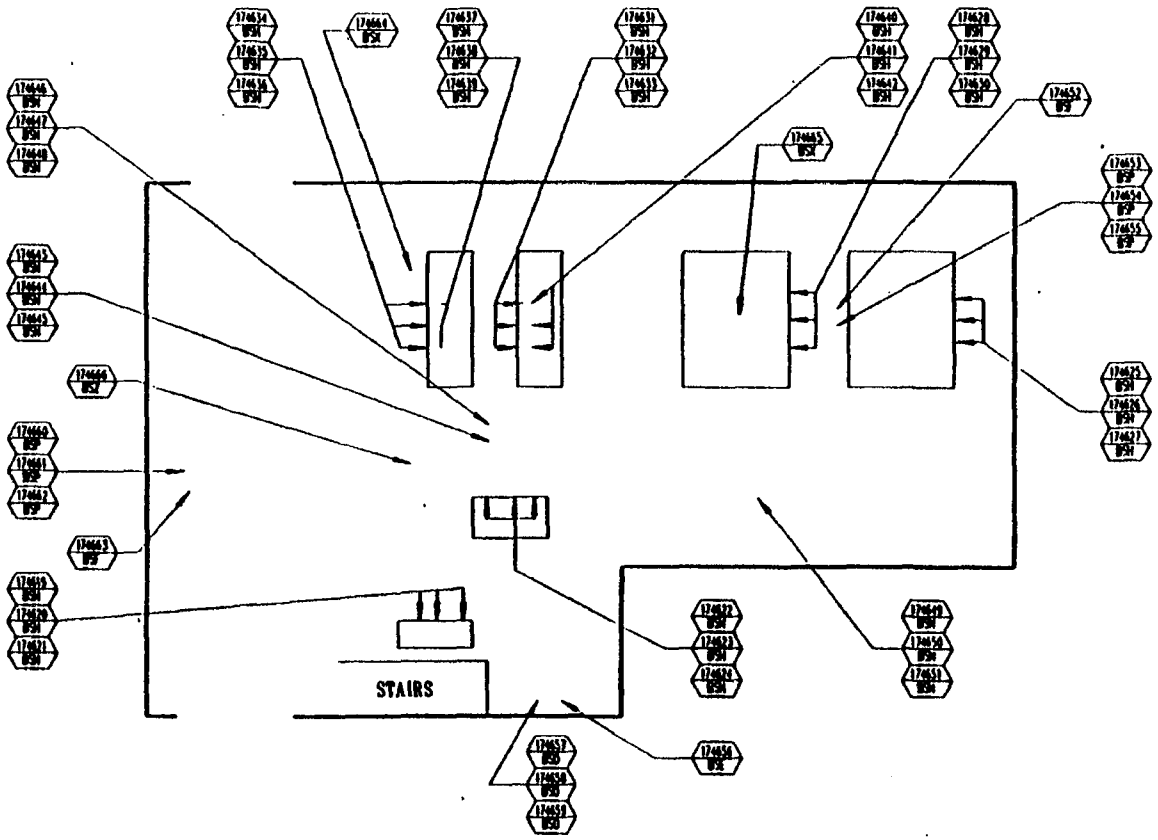
DATE: 3/18/88

PA19

FIANL DRAWING

ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

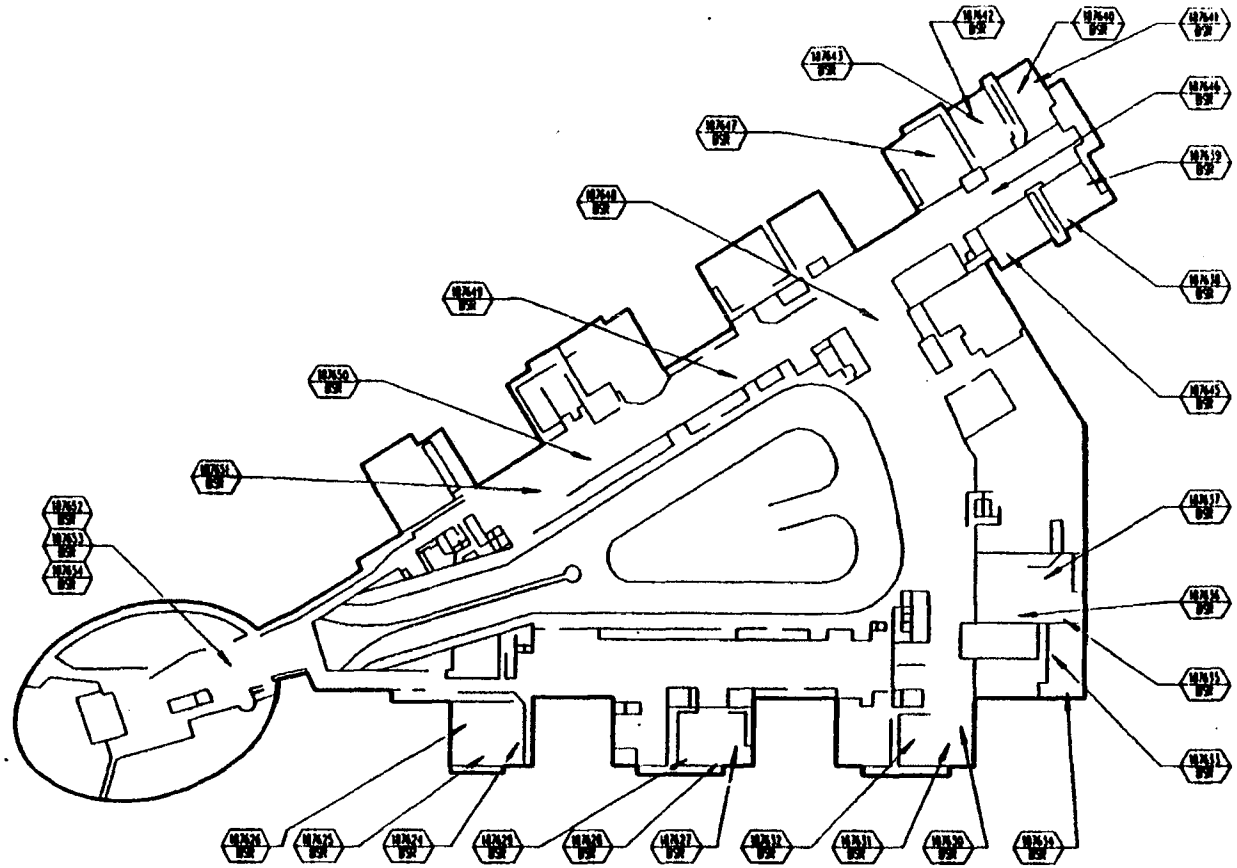


GROUND LEVEL
MECHANICAL ROOM #1

BALL-EDGERILL ENGINEERING SERVICES
4040 WEST FRYETHON STREET
LAWRENCE, KANSAS 66044
PAZI
DATE 3/6/86

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY
Sheet 23 of 23

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION



CONCOURSE LEVEL PLAN

HALL-EMMOTT ENGINEERING SERVICES
4040 WEST PENNSYLVANIA STREET
LAWRENCE, KANSAS 66044

SCALE: 1/8" = 1'
DATE: 3/8/88

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

PROJECT NUMBER 87-1077
Sheet 18 of 23

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

PA 18

THE PORT AUTHORITY OF NY & NJ

One World Trade Center
New York, N.Y. 10048

Office of Senior
Litigation Counsel

Milton H. Pachter
Senior Litigation Counsel
(212) 432-6157

File

August 17, 1988

MEMORANDUM

Re: Defendants' Inspection Activities Port Authority, et al v. Allied Corporation, et al.

Gentlemen:

Please be advised of the following additions in reference to the asbestos removal schedule regarding abatement projects at Port Authority facilities. Where plaintiffs are able to provide defendants with at least forty-five (45) days notice of abatement, if defendants plan to conduct inspection activities at a property subject to abatement in this notice, the defendants shall provide the plaintiffs with written notice served by hand upon plaintiffs no later than twenty-five (25) days from the date of this notice. If the notice of inspection is served by certified mail, return receipt requested, it must be postmarked at least twenty (20) days from the date of this notice.

[redacted]

(4) John F. Kennedy International Airport, Building No. 53, Pan Am Worldport, Concourse level (Job No. T215.022); an asbestos removal contract has been established; approximately 530 square feet of spray-on fireproofing is being removed at an estimated cost of $30,000.00.

There is currently no Port Authority asbestos control program survey data available for the above-referenced areas.

Also enclosed are contract specifications for item "1" - Building 52 at JFK -- extracted from construction records and other sources. (There is currently no information available regarding items "2" and "3"). The material provided may not apply to the particular area which is the subject of this removal. The manufacturers listed in this data are possible manufacturers. Defendants expressly assume the risk of relying on such information to their own detriment and may not use the fact of such reliance as grounds to preclude the plaintiffs from offering any evidence as to any manufacturer of such material.

Pending agreement or assignment of lead counsel for defendants, as additional information becomes available relating to Port Authority abatement activities, it will be forwarded to all counsel who have appeared and/or demanded a complaint.

If there are any questions concerning inspection activities please do not hesitate to call the undersigned.

Very truly yours,

Ann Marie Christie

Ann Marie Christie
Attorney
(212) 432-6136

THE PORT OF NEW YORK AUTHORITY

NEW YORK INTERNATIONAL AIRPORT

INTERNATIONAL ARRIVAL AND AIRLINE WING BUILDINGS

SUPERSTRUCTURE

CONTRACT NYA-650.01

PART THREE OF THREE PARTS

APRIL 1956

8-ENG

February 20, 1989

Note to: Tom Corlett
Director Facilities
Worldport

Subject: EXTENSION TO OUTBOUND BAGGAGE ROOM (9MU PROJECT)

In accordance with the asbestos removal specifications prepared by ATC Environmental Inc. for the referenced project, this will serve to confirm that the following action will be taken and maintained, insofar as, providing the following measures regarding the existing overhead HVAC ductwork (occupying approximately 20% of the work area which consists of supply and return air systems).

1. The supply air which cannot be shutdown by regulation supplies areas of our terminal that are occupied on a 24-hour basis.

2. The following measures shall be taken to insure the integrity of HVAC systems during asbestos removal activity.

a. the contractor shall seal all exhaust duct dampers (i.e. plywood sheeting and caulking if necessary.

b. the contractor shall seal all ductwork and plenum joints with duct tape followed by two layers of 6 mil polyethylene.

c. Pan Am shall shutdown the return fans if required.

d. Pan Am shall make sure the supply fan be placed in a manual "on" bypass fail safes.

3. The mechanical supervisors responsible for this operation have worked for Pan Am in this capacity for over 10 years.

4. The supervisors assigned to monitor this operation will do so during the abatement activity.

I will advise the approved schedule.

C.W. Bull
Manager Facility Projects

8-ENG

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
Asbestos Certification Letter and Permit Application

Y-6062A

Instructions: Part One or Two of the Asbestos Certification Letter and Permit Application shall be completed and submitted with form PA-531. If Part Two indicates that asbestos containing material will be disturbed during the term of the project, then complete Part Three, Asbestos Abatement Permit Application.

FEB 23 P2:

Part One - Certification of a Non-Asbestos Project

The area of construction has been surveyed and no asbestos containing material (ACM) is present or will be disturbed during the course of this project. Complete one of the following:

NJ Facility:

Name of Professional Engineer or Architect	Signature of Professional Engineer or Architect	License No.	Date

NY Facility: PAN AMERICAN WORLDPORT, Building # 53, BAGGAGE/CONVEYOR MODIFICATION MAINTENANCE STORAGE AREA.

Name of Certified NYC Investigator	Signature of Certified NYC Investigator	Certification Number	Date

Part Two - Certification of an Asbestos Project

The area of construction has been surveyed, samples have been taken and the test results of the suspect asbestos containing material (acm) reveals the following:

ACM - PRODUCT	TYPE OF ASBESTOS	APPROX. % OF ASBESTOS	No. of Samples	No. of Positive
Spray-on Material	Crysotile	10	3	2
Pipe Insulation				
Boiler Insulation				
Other WALL & Duct	N/A	N/A	3	-0-

Note: Type of Asbestos = Chrysotile, Amosite, Crocidolite, Anthophylllite, Tremolite and Actinolite

Name of Certified Environmental Consultant	Signature of Certified Environmental Consultant	Environmental Consultant Certificate No.	Date
ALBERT PEREZ		ABIH # 3300	2/16/89

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
Asbestos Certification Letter and Permit Application

6-ENG

Instructions: Part One or Two of the Asbestos Certification Letter and Permit Application shall be completed and submitted with form PA-531. If Part Two indicates that asbestos containing material will be disturbed during the term of the project, then complete Part Three, Asbestos Abatement Permit Application.

Part One - Certification of a Non-Asbestos Project

The area of construction has been surveyed and no asbestos containing material (ACM) is present or will be disturbed during the course of this project. Complete one of the following:

NJ Facility:

Name of Professional Engineer or Architect	Signature of Professional Engineer or Architect	License No.	Date

NY Facility: Pan American Worldport, Building #53, West Y-6080A Oddsize (Oversize) Baggage Conveyor System.

Name of Certified NYC Investigator	Signature of Certified NYC Investigator	Certification Number	Date

Part Two - Certification of an Asbestos Project

The area of construction has been surveyed, samples have been taken and the test results of the suspect asbestos containing material (acm) reveals the following:

ACM - PRODUCT	TYPE OF ASBESTOS	APPROX. % OF ASBESTOS	No. of Samples	No. of Positive
Spray-on Material	Chrysotile	10-20	8	5
Pipe Insulation				
Boiler Insulation				
Other Spray-On	Amosite	Trace	1	1

Note: Type of Asbestos - Chrysotile, Amosite, Crocidolite, Anthophylllite, Tremolite and Actinolite

Name of Certified Environmental Consultant	Signature of Certified Environmental Consultant	Environmental Consultant Certificate No.	Date
ALBERT PEREZ		ABIH #3300	2/27/89

Part Three - Asbestos Abatement Permit Application

A. LOCATION:
Facility — JFK INTERNATIONAL AIRPORT
Building No. — H 53
Building Area — CDDSIZE (OVERSIZE) CONVEYOR MODIFICATION
A. Boiler Room
B. Mechanical Equipment Room
C. Other

6-ENG

B. PURPOSE: Reason for abatement: Operation & Maintenance ____
Demolition ____ Renovation X Other ____

C. SCOPE OF WORK, TYPE OF MATERIAL AND ASSOCIATED COSTS:
(Cost information is not necessary if Waiver is signed)

1. Removal	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	850	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		L.FT.
	Other		
	Total Cost Of Abatement (Materials, Labor, Disposal, etc.) *	$ 35,000.00	
2. Replacement	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	850	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		
	Other		
	Total Cost Of Replacement (Materials, Labor, etc.) *	$ 2,500.00	
3. Cleanup/Repair	(Indicate Quantity	5200	CU.FT.
	Total Cost Of Cleanup (Labor, Disposal, etc.)*	$ 37,500.00	
4. Size Of Site Containment		850	SQ.FT.

5. Does the scope of work described in this tenant alteration application include work other than asbestos abatement ? Yes X No ___

* Estimate of costs required only if tenant wishes to participate in the Port Authority lawsuit against miners and manufacturers of asbestos products found within Port Authority buildings.

6-ENG

D. ABATEMENT METHOD
1. Glove Bag Procedure
2. Full Site Containment ✓
3. Partial Containment
4. Structural Containment (Enclosure)
5. Other

E. ASBESTOS ABATEMENT CONTRACTOR
Name: AIED Co. INC.
License Number: AC-88-0471
Address: 62 PORETE AVE, NORTH ARLINGTON, NJ 07031
Telephone Number: 201-991-2918
Contractor Project Supervisor: JAN SZYMANSKI
Principal: ARTHUR BARIS

F. ASBESTOS WASTE DISPOSAL HAULER
Name: ASBESTOS DISPOSAL AGENCY
Address: 170 CHANGEBRIDGE ROAD, MONTVILLE 07004
Telephone Number: 201-227-8160

G. ENVIRONMENTAL LAB
Name: ATC ENVIRONMENTAL, INC.
Address: 104 E. 25th STR. NYC. 10010
Telephone Number: 212-353-8280

H. ESTIMATED ABATEMENT SCHEDULE (see attached Waiver Letter)
Start Date: _____ Completion Date: _____

I. TENANT CONTACT
Name: MR. AL BROWN
Telephone Number: 718-632-2250

Part Four - INFORMATION TO BE FURNISHED BY THE LINE DEPARTMENT

A. TAA No.: Y-6080A Cost Recovery No.: 215-062
B. Line Department Project Manager: Paul Fernandez
Telephone Number: (718) 656-2584

Part Five - APPROVAL BY PORT AUTHORITY:

The asbestos abatement permit application has been reviewed and the specifications, drawings, and the information in items 3-7 have been approved.

Environmental Engineering
Signature: _____
Title: _____
Date: 6/9/89

Environmental Management Division
Signature: _____
Title: _____
Date: 6/9/89
Permit No. _____

AMD — 13

TENANT REVIEW REQUEST

	DISTRIBUTION	LOCATION
1	Engineering	1WTC-43E
	Trfc. Eng.	PATC -73
	Insp & Safety	25 JSTC-57
	Avia. Plng.	1WTC-65E
	Avia. Tech. Svs.	1 WTC-65NE
	Law Dept.	1 WTC-66W
1	P. TAYLOR / T. FONTANETTA	
	Ops.	Bldg. 269
	Trm.Svcs.	
	Police	Bldg. 269
	Pl.&St.	
1	Res. Eng.	
	Negot.	
1	LVERNON B. BRUNO	
1	P. Fernandez	
1	FILE	

Description of Work:
BLDG 53
DEPARTURE LEVEL DRIVEWAY
CEILING HANGERS & ASBESTOS
REMOVAL

FACILITY: JFKIA

APPL. NAME: PAN AM

APPL. NO.: Y-6142A

DWG NOS.: —

DATE: 7/26/89

☑ Please review the attached ~~application~~ Package & send comments to:

☐ Attached are revised dwgs. Please review only those items o which exception was previously taken & send comments to:

661	Bldg. 141 KIA-Rm.240	Eileen Spolidora	62586
~~Org.~~ Unit	Room No.	Contact	Ext.

No later than 8/14/89

If no reply is received by above date, your concurrence will be assumed unless arrangements are made for more review time!!

COMMENTS: Indicate next to each comment whether it is a condition or recommendation.

ATTACHED:

(1) ATC PACKAGE

PA LAW DEPARTMENT

62382

6142A

AMD-13

PAN AMERICAN WORLD AIRWAYS, INC.
PAN AMERICAN WORLDPORT, BUILDING 353
DEPARTURE LEVEL DRIVEWAY CEILING
JFK INTERNATIONAL AIRPORT
JAMAICA, NEW YORK 11430

SMALL ASBESTOS REMOVAL AND DISPOSAL - NEW YORK

SECTION 02082

APPENDIX "A"

1. DESCRIPTION

This Section specifies removal of the black iron and the over spray-on material from the support rods (hangers) located outside above the departure level driveway at the Pan American Worldport Building #53. The work area is divided into two sections, the east and west section, each have 1750 square feet of ceiling area. The combined asbestos containing material to be disturbed is less than 160 square feet. The removal shall be accomplished with a modified glove bag within a movable enclosure as outlined in item 11. of this section.

2. ASBESTOS TYPES(S)

Test results of asbestos-bearing material to be removed indicated that such material contains the following type(s) of asbestos:

Asbestos Bearing Material	Asbestos Type	Approx. percent by by Weight of asbestos in asbestos bearing Material
Over Spray-on Material	Chrysotile	3 - 5%

3. MOVEABLE ITEMS

In addition to all obviously moveable items and those items shown on the Contract Drawings to be removed, if any.

4. CONSTRUCTION SITE WATER

Construction site hot and cold water is available at the construction site without charge at the location(s) designated by the Engineer, subject to such conditions and precautions upon its use as may be imposed by the Engineer. Provide connections to existing facilities,

AmD -13

9. RE-ESTABLISHMENT OF SYSTEMS AND OBJECTS

Re-establish utility services that were disconnected by install new filters in air moving system(s) affected by work of this Section. Relocate to their original locations all objects which were moved or wrapped and seal, and re-secure mounted objects removed in the course of work of this Section. Restore to its original condition existing construction affected by installation of demarcation barrier if applicable.

10. SECURITY

Pan American World Airways, Inc. shall provide fire watch security personnel. A vehicle with an active beacon shall be placed at a minimum of 10 feet behind the enclosure for traffic control, traffic cones shall be placed in order to divide the road way and a flag person shall be assigned to direct traffic.

11. ADDITIONAL REQUIREMENTS

The work area shall be abated using the modified glove bag, as illustrated on the page following the end of Appendix "A", within a movable enclosure as outlined in the following:

THE REMOVAL PROCEDURE (SPOT REMOVAL)

1. Area barriers shall be placed arround the work area, such as cones connected with warning tape, to prevent public access.

2. A vehicle with lighted beacon shall be a minimum of 10 feet behind the movable enclosure for traffic control.

3. Personnel shall be assigned to direct traffic during the abatement activity.

4. A movable enclosure shall be constructed to include 2 layers of 6 mil poly up to suspended ceiling level and asbestos danger signs shall be placed.

5. Negative air shall be established and maintained for the duration of the work shift.

6. A rectangular frame or facsimile shall be constructed inside a 10 mil glove bag and a HEPA vacuum hose to be attached to the bottom end of the bag. This funnel type apparatus shall be utilized for removal

AMD -13

(see diagram) of ACM from and the black iron. The ACM on the support rods including the ACM on the steel toggle insert to decking shallbe abated.

7. HEPA vacuuming shall be conducted on the edges of ceiling tiles at the perimeter of the work area.

8. A minimum of three area samples shall be collected from within the established area barriers during the work shift.

9. Penetrating encapsulant shall be applied at each area scraped and within two foot radius.

10. Wet wiping the tent walls and floors of the enclosure shall be performed often during abatement for fiber control.

11. The movable enclosure plastic sheeting shall be collapse inward, enclosing the contaminated clothing and shall be double bagged and disposed. of as ACM.

After each shift?

12. NOTIFICATIONS

The abatement contractor shall notify representatives of the Port Authority resident engineering office of preparation inspection, pre-final visual and waste hauler shipments. All notification shall be made 24 hours prior to each activity.

AMD-13

PAN ~~AB~~ AM

1

71	Building 53, East Customs			215.087
50	✓ Submittle	✓ Plans	? ✓ Approval	Y-6072A
	✓ Narritives	✓ checklist	– T/O Assess.	– Waste Ship Doc.
	– samples		– clearance	Still in Progress OSI
~~44~~	Building B 53, Departure Level Drive way Ceilings			215.076
~~44~~	Submittle	Plans	Approval	Y-6142
44	Nat.	checklist	T/O Assess.	Waste Doc.
	Samples		Clearence	
~~42~~	Canopies			215.059
9	✓ submittle	✓ Plans	Approval	Y 6076
	✓ Nat.	checklist	T/O Assmnt.	Waste Doc. Suspended Job.
	Samples		Clearance	
~~53~~	Bldg 53 Pan AM D Area Bag. Service Area, office Bath Rooms			215.052
23	✓ Submittle	✓ Plans	Approval	Y-6074A
	~~✓~~ Nat.	checlist	T/O Assmnt.	Waste Doc
	Samples		Clearance	
~~19~~	Pan Am Bldg 53 Hudsons Shop			215.022
1	✓ Submittle	Plans	Approval	Y-5980
	Nat.	checklist	T/O Assmnt.	Waste Doc.
	Samples		clearance	
~~45~~	Pan Am Bldg 53 ~~Y-61~~ World Port Pilot Lounge west Column Repair Australia Room			215.063
32	✓ Submittle	Plans	Approval	Y-6112
	Nat.	checklist	T/O Assmnt	Waste Doc.
	Samples		clearance	

PAN AM AMD-13

[redacted]

44	Pan Am Building 53 oddsize Baggage Conveyor				215.062 Y-6068A Y-6080A
31	✓ submittle	✓ Plans	___ Approval		
	✓ Nat.	___ checklist	___ T/O Assmnt.	___ Waste Doc.	
	___ Samples		___ Clearance		
	Building 54, outbound conveyor East Side Belt			?	
cement one but No Info	✓ Submittle	___ Plans	___ Approval	?	
	___ Nat.	___ checlist	___ T/O Assmnt.	___ Waste Doc.	
	___ Samples		___ Clearance		

[redacted]

JFK 215.0[illegible]

AMD-13

[illegible]

FANAN

Bill 53 - Converse

Local Gate 9

39

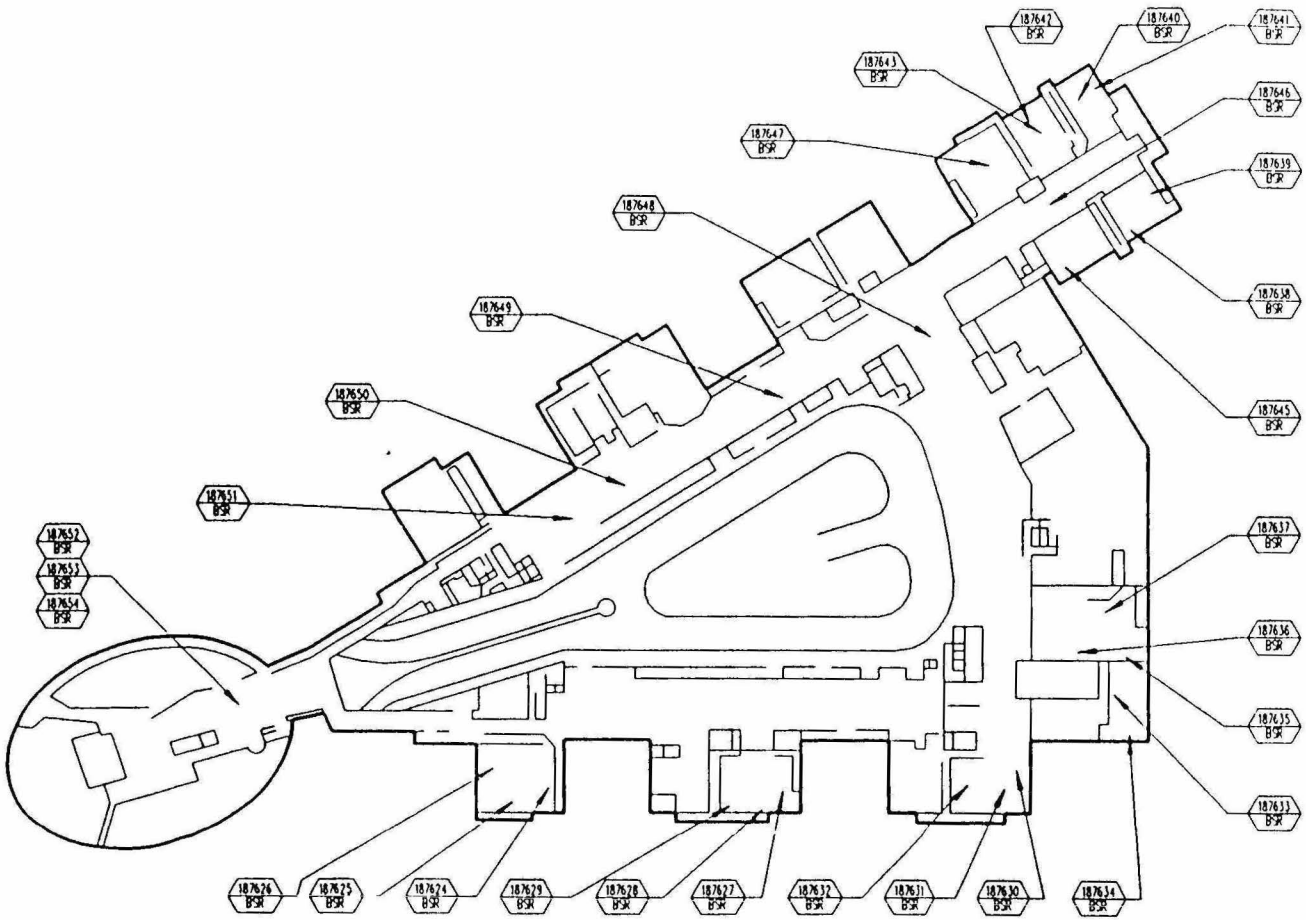
AMD-13

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
44 -187630	Y	Y	10	10							60		30		100
44 -187631	Y	Y	10	10							70		20		100
44 -187632	Y	Y	8	8							62		30		100
44 -187633	Y	Y	12	12							68		20		100
44 -187634	Y	Y	15	15							65		20		100
44 -187635	Y	Y	15	15							45		40		100
44 -187636	Y	Y	8	8							62		30		100
44 -187637	Y	N	0								60		40		100
44 -187638	Y	Y	12	12							75		13		100
44 -187639	Y	Y	15	15							65		20		100
44 -187640	Y	Y	10	10							65		25		100
44 -187641	Y	Y	15	15							60		25		100
44 -187642	Y	Y	10	10							60		30		100
44 -187643	Y	Y	15	15							60		25		100
0 -187644	N	N	0						80				20		100
44 -187645	Y	Y	10	10							60		30		100
44 -187646	Y	Y	12	12							55		33		100
44 -187647	Y	Y	25	25							45		30		100
44 -187648	Y	Y	30	30							30		40		100
44 -187649	Y	Y	25	25							25		50		100
44 -187650	Y	Y	15	15							35		50		100
44 -187651	Y	Y	8	8							62		30		100
44 -187652	Y	Y	2	2							58		40		100
44 -187653	Y	Y	3	3							47		50		100
44 -187654	Y	Y	2	2							68		30		100
0 -187655	N	N	0						85				15		100
0 -187656	N	N	0						80				20		100
0 -187657	N	N	0						70				30		100
0 -187696	N	Y	2	2									18	80 CAL	100
0 -187697	N	Y	2	2									18	80 CAL	100
0 -187698	N	Y	2	2									15	83 CAL	100
0 -187699	N	Y	2	2									18	80 CAL	100
0 -187700	N	Y	2	2									18	80 CAL	100

AMD-13



CONCOURSE LEVEL PLAN

HALL-KIMBRELL ENVIRONMENTAL SERVICES
4840 WEST FIFTEENTH STREET
LAWRENCE, KANSAS 66044

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

PROJECT NUMBER 87-10177
Sheet 18 of 23

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

SCALE 1/16 = 1'
DATE 3/15/88

PA18

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

AMD-13

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT

BUILDING: 053

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
44 -187630	Y	Y	10	10							60		30		100
44 -187631	Y	Y	10	10							70		20		100
44 -187632	Y	Y	8	8							62		30		100
44 -187633	Y	Y	12	12							68		20		100
44 -187634	Y	Y	15	15							65		20		100
44 -187635	Y	Y	15	15							45		40		100
44 -187636	Y	Y	8	8							62		30		100
44 -187637	Y	N	0								60		40		100
44 -187638	Y	Y	12	12							75		13		100
44 -187639	Y	Y	15	15							65		20		100
44 -187640	Y	Y	10	10							65		25		100
44 -187641	Y	Y	15	15							60		25		100
44 -187642	Y	Y	10	10							60		30		100
44 -187643	Y	Y	15	15							60		25		100
0 -187644	N	N	0						80				20		100
44 -187645	Y	Y	10	10							60		30		100
44 -187646	Y	Y	12	12							55		33		100
44 -187647	Y	Y	25	25							45		30		100
44 -187648	Y	Y	30	30							30		40		100
44 -187649	Y	Y	25	25							25		50		100
44 -187650	Y	Y	15	15							35		50		100
44 -187651	Y	Y	8	8							62		30		100
44 -187652	Y	Y	2	2							58		40		100
44 -187653	Y	Y	3	3							47		50		100
44 -187654	Y	Y	2	2							68		30		100
0 -187655	N	N	0						85				15		100
0 -187656	N	N	0						80				20		100
0 -187657	N	N	0						70				30		100
0 -187696	N	Y	2	2									18	80 CAL	100
0 -187697	N	Y	2	2									18	80 CAL	100
0 -187698	N	Y	2	2									15	83 CAL	100
0 -187699	N	Y	2	2									18	80 CAL	100
0 -187700	N	Y	2	2									18	80 CAL	100

PA 3618 / 7-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
Transport And Disposal Assessment

AMD-13

Inspection Date 8/15/89
Inspection Time: 10:45 AM PM

Facility/Generator: Port Authority / Pan Am
Contract/TAA No.: 215.071
Facility/Generator Address: Pan Am Worldport, JFKIA
Jamaica, NY
Asbestos Abatement Contractor: Aped
Telephone #: ( ) -
Abatement Contractor's On-Site Supervisor: Greg Stubenck.
Contractor's Waste Hauler: Mola Trucking / TA Mitchko
Waste Hauler's Address: PO Box 414, 630 Myrtle Ave, Boontown
Waste Hauler's Driver's License #: L263078500 01402
State: NJ
Waste Hauler's Transport Vehicle License Plate #: T450 G-F NJ
Registration # & State VIN: A N30782
Transportation Certificates: NYS DEC SA-020
Disposal Site Name: Industrial Maintenance SE
Address: Rte 3, Mail Box 563
Clarkesburg, WV, 26301
Temporary Storage Facility Name:
Address:
Date Storage to Commence: / /
Estimated Length of Storage:

Location and Condition of Waste Prior to Transport

___ Worksite
✓ Designated Storage Area
✓ Waste contained in properly labeled 6-Mil plastic bags or drums with no visible damage or leakage and checked every 24 hours

Location: outside oversized Baggage area
If Deficiencies, indicate: trailor - emergency break has locked, driver corrects before leaving site

Amount of Waste for Transport: 100 Cubic yds
Transport Certificates Corresponds to Vehicle Decals: ✓ Yes ___ No
Visual Inspection of Transport Vehicle: ___ Acceptable:
If Deficiencies, Indicate: ✓
Waste Hauler Manifest Properly Completed ✓ Yes ___ No
Port Authority Shipping Document Properly Completed ✓ Yes ___ No
Comments: Waste generated by several areas: odd sized baggage, Phase Ia outside concourse, 2 test procedures + spot removal

Note: Any conditions which is unsatisfactory must be corrected and reinspected.

Signature of Inspector: [signature]
Date 8/15/89

Routing: Original--EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport Phase I DATE: 08 / 4 / 8

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: # 6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA 1366	East Concourse - Phase I - clean room	01243	13.5	13.5	1125	1315	9875	~~less than~~ 0.011
JFKIA 1367	Field Blank for sample JFK-1366	—	—	—	—	—	9876	N/A

COMMENTS: Sample taken during gross removal

PORT AUTHORITY REPRESENTATIVE(S): Keith J. Pierce

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport Phase I E conc. DATE: 08/09/89

AMD-13

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: #6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-1396A	Phase I w/in containment in center of large room.	01348	15.0	15.0	1437	1605	10020	less than 0.013
JFKIA-1397A	Field Blank for sample JFKIA-1396A	—	—	—	—	—	10021	N/A

RECEIVED 89 AUG 12 P 1:32 RISK MGT. DIV.

COMMENTS: Above sample taken as representative area sample taken after (+ during ATC stop @ 1445) Clearance sample of ATC. As directed by Tony Fontanetta.

PORT AUTHORITY REPRESENTATIVE(S): [signature]

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport - East Concourse DATE: 8, 17, 89

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: #6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-M03A	Phase Ib - East Concourse inside clean room	01243	15.0	15.0	1231	M03	10203	less than 0.012
JFKIA-M04A	Field Blank for Sample JFKIA-M03A	—	—	—	—	—	10201	N/A

COMMENTS: Sample taken during Phase Ib final air clearance, taken by ATC.
Pump number corresponds to Hygienetics label

PORT AUTHORITY REPRESENTATIVE(S): Keith J Gross

USE BLACK INK ONLY!!

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

USE BLACK INK ONLY!! <-------<<<

FACILITY: JFKIA AREA: Pan Am - World port - gate 8 DATE: 08/28/89

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

USE BLACK INK ONLY!! <-------<<<

Rotometer Number: #6

USE BLACK INK ONLY!! <-------<<<

SAMPLE NUMBER	LOCATION / NAME	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-1407A	Outside gate 8, at column in front of Les Must de Cartier	13.0	13.0	2341	0130		
JFKIA-1408A	Field Blank for sample JFKIA-1407A	—	—	—	—		

COMMENTS: Above samples taken during Spot removals utilizing HEPA vacume & wet meathods

PORT AUTHORITY REPRESENTATIVE(S): [signature]

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - World Port - gate 9

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0900 Meeting begins, see list of attendants. Tony F. wishes Lumo Tsungu, ATC would correct future submittals so that when using PA specs "Authority" be replaced w/ "ATC". Lumo informs us work will most likely begin around July 6th. Work will probabely last four nights, hrs from 8:00pm or 10:00pm on. The total amt of asbestos to be removed is 151 sq ft of 2% Chrysotile Fireproofing. Ron Durante expresses need to limit project to spot removal due to difficulties which may arrise during reinstalation of fireproofing. Lumo informs us that waste will be temporarly stored w/ waste generated at Oversized baggage area also at Pan Am. Questions arrise about waste storage facilities. Copy of local law 70 will be given to Lumo and Phil Taylor which will also be sent to PA lawyer to determine PA liability. Several deficiencies must be corrected prior to small project comencemen. Wast transporters Dep of Consumer Affairs permit must be submitted, as well as new ETAPS certificate, and also AIHA no. must be submitted. Submittal only approved as spot removal

Keith Goss — 06/28/89

(Print) Name **Signature** **Date**

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 0800 After receiving a page which I suspect to be from Greg, Aped at Pan Am Worldport, (since yesterday he told me to be available at this time) I arrive on site. I'm told by Preston, ATC consultant that final air testing is being taken in test procedure at gate 9. I'm quite sure that the PA EMD has not been informed of this activity so I confront supervisor John, Aped. He shows me notification and tells me Lumo Tsungo has given PA notice

0845 Preston and John analyze my inspection meathodaly and believe I am to severe. They suggest that my pre-encapsulant visual be given after the first layer of poly "work poly" (John). Since it is expected that debris collects in areas. I inform them both that the reason we choose to inspect at this time is to prevent further cleaning problems, also no visible debris prior to encapsulation. They disagree, I tell them I will correspond their concern w/ Tony Fontanetta.

Keith Goss — Keith A Goss — 8/8/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - World port - East Concourse - Phase I

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 0930 John, Aped supervisor said ATC consultant finished sampling in tent and left at 0700. This is a contradiction w/ Greg's, Aped perception. If this was true (air testing concluded) why was work continuing in tent at 0800. This will require further investigation. We will require air clearance results. Tent is dismantled and all workers gone when I go to check area. Suspect previous conversation w/ C Preston, ATC + John, Aped may have been to delay my actions in the hopes that the test procedure could be broken down.

1000 Discuss future tent procedures and spot removals w/ Luma Tsunga, ATC: the next tent procedure will combine 2 previously submitted seperate areas. Tony Fontanetta will be made aware of this as well as Luma's plans to begin spot removal next week. The start dates and specification alterations were not made available to PA EMD. Luma agrees to provide air sampling results from tent procedure

Keith Gass — Keith Gass — 8/8/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 1015 Suit up to reinspect phase Ia
1150 Exit work area - area generally clean yet some beams need to be re-wiped, as well as some clamps, and some areas on the floor. After further inspection area found in small room to right of D.F. where due to track ceiling existance in past upper deck not visible. After looking at "demising wall" I see areas partially poly'ed, w/ the remainder just plywood. At the seals above and below plywood ACM is exposed w/in work area. I advise that these areas be HEPA vacumed, and possibly poly'ed over in the future to avoid this problem in the next phase Ib. I find waste water collected from shower in work area, it is being used to reclean area. this water is not filtered. I tell greg it must not be utilized in this fashion and must be removed. After above corrected area is ready for encapsulation. Note area passed AIC visual before I entered
1215 Review AIC area samples, < LOQ (<0.002) leave site

Keith Gass — Keith Gass — 8/8/89
(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

Facility: JFKIA AMD-13 Contract/TAA No.: 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia
Jamaica, NY

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: Greg Studencki

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Curtis Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

Area generally clean some areas need to be re-wiped; clamps, beams + floor. One Area where demising wall surrounded by ACM (+ taped over) must require further attention

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

D.F. is in good condition yet require that outer 2 chambers of DF be reclaimed. Also waste water from shower w/in work area, must be removed

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

manometer reads above -0.05" H_2O
good evidence of influx of make up air throug DF curtains

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	✓ Present	___ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	___ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site: ___ Not Available	✓ Acceptable	___ Not Acceptable

Comments: Phase Ia - Area required some recleaning after ATC consultant Curtis Preston had approved area. Air monitoring results are seen after Luma requests Preston to display them. Prior to Mr. Tsungo, ATC request Preston reluctant to show results

Name: [signature]

8 18 89 — Inspection Date

10:15 AM PM — Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AWD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ✓ Final Air Sampling

Comments: 1437 (cont'd) Clearance sampling. After entering area I discover air sampling in progress. I leave work area immediately. I see Preston, he is concerned that I have disrupted his samples. I reassure him this is not possible. I confront him about informing me about sampling he tells me he is unaware of responsibility to inform PA EMD. I inform him that this is his responsibility as well as those discussed w/ Aped Supervisor. I meet Lumo Tsungo outside work area. I return to DF suit up, enter area to set up sample JFKIA-1396A

1445 Request Lumo, ATC observe work by electricians at gate 7. Yet when he arrives there he cannot find work. I'm in process w/ contacting Tony Fontanetta to request advice on current situations. In hopes he can advise on proper channels to follow up. I look for electricians they are gone as is all debris + evidence of suspect ACM.

1500 Discuss w/ Preston + Tsungo the need to be

Keith Goss — Keith Goss — 8/9/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ✓ Final Air Sampling

Comments: 1415 arrive at Worldport to check progress of Phase Ib. I see electricians doing work above plenum near gate 7. There is an accumulation of debris suspect ACM which electrician said had fallen from pan ceiling tiles which I believe is sprayed on debris fallen from beams above suspended ceiling. I tell then that they must not remove any tiles in the future w/o proper precautions taken by asbestos contractor w/ HEPA vaccume.

1437 I meet Greg Studenski, Aped he informs me final air clearace sampling has been completed. I inform him that PA EMD must be notified prior to air sampling (clearance), pre-abatement, pre-encapsulation, since we reserve the right to be present during these paramount stages of abatement. I am given impression final air has passed clearance at this time. I enter work area to set up PA EMD representative area sample wearing my respirator just in case area not passed

Keith Cross — Keith Cross — 8/9/89

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Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor:

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress
____ Cleaning Phase ✓ Final Air Sampling

Comments: 1500 (cont'd) informed when sampling (clearance) is planned as well as expressing interest about future waste trailor transport, and being informed accordingly. Preston leaves site w/ Tsunga to Bld 67 Emergency cleanup. I again attempt to page Fontanetta - unable to contact

1530 Walk through Phase Ib Concourse west, mirror image of Phase Ia, area being constructed by VRH again enclosing greater area than originally submitted.

1600 Collect sample

1630 Prepare samples for transport, leave site

No Further Entry Authorized

Keith Goss — (Print) Name

Keith Goss — Signature

8/9/89 — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: PAN AM - Worldport - East Concourse - Phase IA

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1345 Arrive at Worldport to contact ATC about emergency clean up at Bld 67, Pan Am. I contact Curtis Preston, ATC and tell him we need copies of his log entries, sample results and waste manifest documentation

1400 Tony Fontanetta arrives. I take several pictures of next phase of removal which is a mirror image of previous phase.

1415 Conversation w/ Tony Fontanetta + Greg Studerski, Aped supervisor. Supervisor is not satisfied w/ construction of critical barriers surrounding work area - the construction of both phases combines the work of 2 test procedures. This triples the amt of removal he had scheduled - work, time + mat'ls. Tony instructs him that these alterations were not approved and should not be accepted by Aped. I personally am more comfortable w/ containment vs test procedures - especially ATC monitored test procedures 1430 Off site go to Hngr 19 + Travelodge

Keith Cass (Print) Name — Keith J Cass Signature — 8/10/89 Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0730 Arrive at Bld 14, work on documentation
0930 Leave Bld 14 go to Pan Am
1015 Arrive at Worldport + discuss what Port Authority requires of ATC w/ Curtis Preston: notification for pre-abatement, pre-encapsulation, final air clearence and wast out. Having been paged by Aped that waste transporter is prepared to remove trailer, I am on site to fill out appropriate documentation. I begin completion of waste documents w/ driver. At this time I discover that gross removal has begun w/o Port Authority approval due to what ATC calls a problem w/ communication
1020 I speak w/ Lumo Tsungo, ATC about situation. I inform him regardless of what communication problems exist it is his responsibility to get Port Authority approval He informs me notice was given Friday 8/11 to REO. This was not the case the only notice I received was today (see enclosed work slip). I inform Lumo that work must stop until pre-abatement inspection given. Lumo insists

Keith Goss — Keith J Goss — 8/15/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215-071

Location: Pan Am - World Port - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1020 (cont.) work can continue while I give visual. I tell him that since I represent the property owner and I have come in contact w/ unauthorized abatement activity it must be stopped until approval is given. I tell him area will be inspected after waste transport documents are completed. He does not communicate there is any reluctancy to comply.

1030 Tell Greg Studescki, Aped that workers may remain w/in work area but work is to stop until I complete visual. Greg complys, and I return my attention to the waste transporter.

1110 Driver has difficulties and apprehension about whether his large trailer will fit under bridge where previous, full trailer is located. Consultant Preston, ATC informs me that regardless of what Luma Tsunga discussed w/ myself work may continue - I must contact Fontetta to take proper action. Curtis responds "Luma said you do not have authority to do what you plan to do (stop work)" Yet I confront Aped Supervisor and he assures me work has

Keith Gross — Keith Gross — 8/15/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMPM3 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ib

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 1110 (cont'd) stopped and will not continue until this situation is solved. At this point I am concerned about ATC's role as third party. It appears that they are acting in a non-professional fashion, and they are more construction supervisors w/ time constraint pressures than competant Hygienists. Another question arrises that I must persue is duration of waste storage in trailer, since it contains waste from several phases, will check local law 70

1128 After driver has repaired locked emegency breaks on traile to be removed. I return to concours to inspect work area. Greg informs me that area will be ready for pre-encapsulant visual Wed 8/16 @ 1:00pm

1130 Curtis Preston requires that I have handlers lisence to enter work area. I display my contractor supervisor ID issued by HTI, and tell him I am owners representative & therefore have right to enter. He still shows opposition. I inform Greg, Aped that since I cannot give visual work may not continue until situation resolved. I also inform

Keith Gross — Keith Gross — 8/15/89

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1130 (cont.) Greg, Aped that ATC return to work "work order" violates Port Authorities ultimate Jurisdiction, and therefore must not be adhered to. I must note contractor's, Aped willingness to comply to all requests.

1151 We all contact our project managers. Preston → Lumo Greg → John, Joe etc., Myself → Brian K. + Tony F.

1155 Fontanetta returns call he will contact Lumo + arrive on site to advise.

1230 Fontanetta has arrived and meet w/ Aped Proj managers

1245 There is much discussion of Lumo's negligence from EMD reps + Aped Reps Fontanetta gives go ahead for work to continue. Fontanetta expresses his problems w/ site from spec alterations (expanded work areas) to lack of ATC compliance. It is decided that Aped will directly contact EMD through REO. Aped again discusses desire to push back EMD visual until first layer of poly has been removed - Tony informs them business as usual (not acceptable). Manometer reads >0.07 1315 Leave site, No visual.

Keith Goss **(Print) Name** Keith Goss **Signature** 8/15/89 **Date**

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Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215 071

Location: Pan Am - Worldport - East Concourse - Phase I6

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 0730 On site at Bld 14 w/ Brian K. we await Mark Jacubek, Phil Taylor and John Prince.

1030 Continue keeping up w/ documentation

1130 Take Lunch

1200 Leave Bld 14

1225 Arrive on site at Worldport

1230 check manometer reads between 0.01 - 0.02. Greg Studencki corrects pressure loss

1245 Conversation w/ Preston, ATC: he is unhappy w/ results of yesterdays meeting w/ Fontanetta + Aped reps. He believes Fontanetta's accusations are unsubstantiated yet I assure him I myself have experienced ATC's ineffectiveness. He displays a type in specs, PA specs which ATC has used + inserted "ATC" where Port "Authority" previously was found. Since this was not done w/ consistency entire passages meanings have changed. He infers ATC has no obligation to Pan Am.

1305 Mention to Greg OSHA sampling results must be posted

Keith Goss — Keith Goss — 8/16/89

(Print) Name — Signature — Date

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Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMP-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ib

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1230 Leave site go to CHRP
1245 Leave CHRP go to Travelodge
1352 Arrive at Travelodge. Neg air established above -0.03" H_2O. It is agreed glass panels will receive 2 layers of poly. It appears leak influx from HVAC has developed. It will be necessary to have Bld Engineer tony check it out. Sequence of events in future. Saba, BCM give pre-ACM disturbal inspection (possibly tomorrow), Returns sealed, feeds sealed, fixture removal - sealed all done after HVAC + large hole addressed then when containment complete I will give pre-abatement visual then gross removal may commence.
1425 Off site go to Pan Am
1500 Arrive at Worldport as agreed yesterday for pre-encapsulant visual. Greg, Aped tells me Preston inside work area giving visual. Greg shows personal sample results to me and posts them
1515 John, Aped Supervisor tells me work area is ready

Keith Gass — Keith A Gass — 8/16/89
(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase IB

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1515 (cont) for encapsulation. I inform him that I will wait for Preston, ATC to finish his visual

1520 Ask John, Aped where results are for test procedures inside Gate 9. He informs me that they have been faxed to VRH trailer + will be available tomorrow. He also tells me to make Tony Fontanetta aware that Aped will remove ceiling tiles for electricians + control possible fiber release w/ HEPA vacumes, this will occurr tomorrow night around 11:00pm between gates 9 → 3.

1530 Enter work area to inspect for visible debris Monometer reads -0.04 "H_2O

1535 While in work area car towed from in front of work area where Aped employees are waiting.

1625 Conclude visual - area generally clean, some areas needed recleaning, debris found on drop ceiling tracks, floor, on beams + w/in D.F. Exit work Area

1633 Discover car has been towed, attempt to locate persons responsible. Leave site in wrecker to Lot 7

Keith Gass — 8/16/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKTA AWD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase IL

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1640 (cont'd) to find car I have no choice but to leave case w/ Respirators outside DF where workers are. Since wrecker is leaving + will not wait.

1650 Arrive at Airport Towing Service - they refuse to release car w/o paying $65 fine

1700 Attempt to get cash at Citibank - closed

1705 Contact PA vehicle, they give me ride to PA Police

1730 Return to Lot 7 w/ PA police office who negotiates for me, they take check for $25 + release car

1740 Return to Pan Am to retrieve equipment. It is gone! I inquire w/ Security + Greg Studencki he says it was there at 1730 I fill out report for missing baggage w/ Pan Am Baggage Service.

1800 Return to PA Police to fill out stolen property report

1830 Leave Police station, off site

Keith Goss — Keith J Goss — 8/16/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Worldport

Asbestos Abatement Contractor: Aped.

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
____ Cleaning Phase ✓ Final Air Sampling

Comments: 0730 Arrive at Building 14, catch up on documentation
1145 Take Lunch
1215 Leave Bld 14 to Worldport
1230 Arrive at Worldport to take representative area samples, during clearance sampling at phase IC I set up sample JFKIA-1403A and Field Blank JFKIA-1404A unlock D.F. w/ Key provided by Greg Studencki.
1235 Contact Pan Am baggage service about lost respirator, has not been found. Contact Ron Sabo at Travelodge about visual - Area not ready yet for ACM disturbal visual. Also contact Brandee Velez about lost/stolen respirator.
1425 Collected samples prepared for delivery, write narrative up. Preston, ATC apprehensive about my collecting samples. He believes I will disturb his clearance samples. I assure him this will not be the case since my sample is run in clean room off site go to travelodge
→
→

Keith Gross — Keith Gross — 8/17/89
(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - gate 4 concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 2200 On site outside gate 8. Construction workers removing ducts. Work intended to go until 0600 hrs

2215 Meet Steave, ATC and John + Greg, Aped and single handler. They describe scope of work and procedures

2240 Steave Grund leaves site to get sampling pumps

2245 Worker suits up in tyvek + respirator (half face neg pressure) and uses vacume to remove visible debris. John hangs Asbestos warning tape around poyed section of floor.

2300 Page Fontanella to make him aware of:

a) ductworkers do not have restricted handlers lisence (not Fit tested)

b) ATC consultant is not on site, he believes he will be gone for one hour. Tony wants me to tell Grund when he returns we need a copy of his narratives, waste flow documentation and results of air sampling analysis

2316: Handler uses amended water to mist work area, I ask Greg why he has only spray bottles when job requires hudson sprayers. I do not see any encapsulant being used

Keith J Gass — Keith J Gass — 08/28/99

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - gate 9 concourse

Asbestos Abatement Contractor: Aped.

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 2321 Ductworker returns to work area to remove duct.

2330 Leave work area to park car upstairs (roof)

Note: work not being monitored

2341 Set up sample JFKIA-1407A and Blank JFKIA-1408A

Lumo Tsungo on site for ATC. Note project not monitored by ATC for 1hr during Asbestos removal.

~~2408~~ 0008 I overhear John, Aped + Lumo discuss path of ductwork. They speak about area outside Phase Ia containment where ACM possibly impacted by ductworkers. I investigate and find a great deal of debris on ground, on black iron taken down, and light fixtures. Debris and contaminated material must be removed and area aprox 32 sq ft must be cleaned.

~~2412~~ 0012 John shows me lack of communication w/ ATC and maintenance is responsible for hazzard + worker exposure. He tells me it is a "poor planned" abatement. He leaves site and informs me same problem will exist outside

Keith F Goss — Keith F Goss — 08 128189

(Print) Name — Signature — Date

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ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Gate 9 Concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: ~~2412~~ 2413 (cont'd) where Phase Ib was. Containments did not include these areas (3 ft beyond) despite VRH expanding containment + deviating from specs.

0025 ~~2425~~ Make Lumo aware of debris outside. I ask him to look at amount of material. Also inform him what PA will require for cleanup.

0035 Discuss hazzards w/ Ductworkers. They inform me they created hazzard outside. Inform them about the dangers of fiber release to themselves and public. I inform them if the situation should arrise again (it will at next phase) and they suspect they may impact Asbestos they must contact supervisor at Pan Am, Pan Am must contact consultant and abatement contractor. I give them Business card w/ Ron Durantes telephone number should any problems arrise. I ask Greg to put warning tape around area outside

0100 Walk w/ Lumo Tsungo, AIC to other area where it is expected ACM will be impacted, phase Ib (outside) - he believes

Keith J Goss — Keith J Goss — 08/28/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMP-13 **Contract/TAA No.:** 215.071

Location: Pan Am - World port - gate 9 concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: (0100) area can be enclosed in a tent. I discuss w/ Luma communication must be made w/ Pan Am about alterations; electrical, ductwork + plumbing advising potential for ACM disturbal so such a gross violation does not occurr in future

0105 Return to work area, ductworkers desire to wear half face respirators supplied by Aped. I show them how to give Fit Check. I require Aped Mist area regularly to keep fiber counts low.

0115 Luma informs me he has utilized this procedure in past + results for sampling low. He tells me Ron Durante will receive package at end of project including narratives, sample results + waste documents. He leaves site. Steave Grund remains he is informed about cleanup outside

0130 Collect Sample JFKIA-1407

0145 Greg Studenchi, Aped tells me hazzard outside will be attended to before they leave. Leave site.

Keith T Goss (Print) Name — Keith T Goss Signature — 08/28/89 Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 0920 At travelodge speak w/ Fontanetta about late developments last night: the amount of debris I had found outside the last phases due to ductworkers, as well as concerns about potential fiber release during spot removal

1345 Return to PAN Am Worldport to make sure debris was cleaned up afte last nights discovery

1400 Arrive at Worldport to inspect area outside Phase Ia where ductworkers disturbed ACM. Small amount of ACM still remains. will contact Fontanetta

1415 Inspect othe work area - outside Phase Ib and Concourse outside gate 9. See two electricians working above Pan ceiling, they do not appear to be disturbing any ACM. Outside Phase Ib work area large piece of sprayed on ACM has fallen from ceiling during night (1 lg enough to fill 12 oz container) No evidence of debris from spot removal last night.

1430 Contact Fontanetta about debris. He will inspect tonight. OFFsite

Keith T Goss — Keith T Goss — 12/9/89

(Print) Name — Signature — Date

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - east Concourse

Asbestos Abatement Contractor:

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0730 Bld 14 arrive on site.

0830 Discuss Spot Removal Work Stop order last night. Duct work alteration never approved by REO

0930 Leave Bld 14 go to Worldport. Stop speak w/ Bruce REO about progress at American w/ Dobric. I inform him we require a site specific procedure and other material, and the Gorm Dobric has REO fax number. He will send required material via fax. Also note: ten day notification needed prior to abatement.

0945 - Arrive at Worldport to show Tony Fontanetta several areas where debris has accumulated due to poor Pan Am workpractices: at gate 9 outside Phase Ia where I previously asked Lumo Tsunga to correct, ATC proj mngr., outside Phase Ib, and on new ductwork due to poor Aped workpractice during spot removal.

1015 Leave site after Tony takes photos of spot removal area and overhang at driveway entrance. Go to Travelodge.

Keith J Gross — Keith J Gross — 8/31/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

215.071

Facility: JFKIA AMD-13 Contract/TAA No.: 4-6110A

Location: Pan Am Worldport - East concourse Phase I + II Combined

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: ~~Kurt~~ G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: KURT Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

ceiling tiles must be removed and cleaned then demising walls will be constructed to decking + or beams. Port Authority will be contacted prior to actual abatement when walls completed

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

Air lock aft clean rm - not sealed, corrected when seen. Shower not ready - must be turned on across st. As is D.F. is in work area - before gross removal begins D.F. WALL X-tended above to decking.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

Tested plenum, good influx downward manometer reads 0.02" w/ ceiling open D.F. curtains show good flow

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	___ Present	✓ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	___ Present	✓ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site:	✓ Not Available	___ Acceptable ___ Not Acceptable

Comments: D.F. must not be in work area when gross removal begins. After all demising walls are erected and polyed DA EMD will re-inspect to determine if area ready for gross removal. Consultant will have background samples on site for future inspections. All deficiencies will be corrected before work cont.

Name: Keith J. Goss

7/31/89 Inspection Date

12:30 AM/PM Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log
-Checklist-

Facility: JFKIA AMD-13 Contract/TAA No.: ~~Y-6110~~ 215.071 A

Location: Pan Am Worldport concourse Phases I + II w/in containment

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Kurt Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

Note: due to overspray containment barrie at rear perimeter not attatched to decking. Must be resealed after strip removal before gross removal starts

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

Discover extra set (3) of flaps, airlock between work area and dirty room - not necessary. Flaps are to be rolled up and left open. Shower functional as is 5μm filter - wast water will be bagged.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

Smoke test yields several air influxes will be foamed manometer reads 0.01" H_2O w/ traps bw, one off curtains and interior poly show good neg pull.

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	✓ Present	✓ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	___ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site:	✓ Not Available	___ Acceptable ___ Not Acceptable

Comments: Combined phases w/in single containment. Posted is DOL. ACP + receipt for flame retardent plywood (previously questioned) is acceptable. Abatement may begin afte containment at decking resealed. Deficiencies will be corrected by tomorrow. EMD will inspect that above satisfied. Also PA specs will be provided.

Name: [signature]

8/12/89 Inspection Date

12:00 AM/PM Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

215.071
215.071

Facility: JFKIA AMD-13 **Contract/TAA No.:** ~~Y-6135A~~

Location: Pan Am · Worldport - East Concourse - Phase

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 1100 On site inspect general area, licenses, clean rm and negative air; all licenses valid, clean room has no debris and manometer reads -0.05" H_2O

1125 Set up samples JFKIA-1363 and Blank JFKIA-1364

1315 Collect samples

1330 Off Site

No Further entrys authorized

Keith Goss
(Print) Name

Keith J. Goss
Signature

8/04/89
Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

215.071

Facility: JFKIA AMD-13 Contract/TAA No.: ~~V-6135A~~

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1245 On site at Worldport Greggory Studeschi, Aped tells me he has attempted to page me for last ½ hr. I show him my page display - all pages attempted preceeded with the # '1' thus eliminating last digit. Yet I was informed yesteday that area would be ready after 1200 so I expected pre-encapsulant visual. Despite fact that he has attempted to contact me for said purpose ATC rep Curtis Preston has yet to inspect area. I make it clear that the Port Authority does not give visuals to satisfy third party, ATC, and that ATC must feel competent w/ Apeds work before Port Authority visual granted. Since this may have been unclear I am willing to accompany Preston, who is reluctant to go into area due to unknown malady, but does go in when I stress aforementioned PA role, he double suits and enters work area.

1330 Many areas found w/in work area which need further attention: walls - seams, floor - especially corners & around eq, under microtraps, areas of fatigued folded poly and

Keith Gross — Keith Gross — 8/7/89
(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 Contract/TAA No.: 215.071 ~~4-6135A~~

Location: Pan Am - worldport - East Concourse - Phase I

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 1330 (cont'd) around several clamps on black iron. After only partially inspecting areas of removal, beams and overspray (partially - since gross amts of ACM debris on floors, walls etc.) they appear to be cleaned well. I recommend area be recleaned concentrating on above defficiencies, also outer two chambers of D.F.
1400 off site go to Pan Am Hanger 19.

Keith Gass
(Print) Name

Keith Gass
Signature

8/7/89
Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

215.071

Facility: JFKIA AUMD-13 Contract/TAA No.: ~~Y-615A~~

Location: Pan Am - World port - Phase I

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Kurt Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Intact
- ✓ Cuts
- ✓ Seam Separation
- ✓ Fatigue

Due to great neg air poly has ballooned and has seperated from walls yet contain ment not compromised. Folds + cuts in poly have accumulated debris which fell from beams. All seams, cuts and folds must be recleaned

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Intact
- Cuts
- Seam Separations
- Fatigue
- Evidence Of Debris In Clean Room

DF is in good shape yet some debris found in equipment room. Recomend last 2 compartments be recleaned.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Smoke Tube Test — Give Locations & Findings
- ✓ Pressure Gradient Measurements
- ✓ Visual Observations — Give Details

Good influx at D.F. curtains poly balloons manometer reads above 0.05" H_2O

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	No
VI) Posting Of P.A. Specification On Site:	✓ Present	No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	No
X) Contractors Daily Log Book On-Site:	✓ Present	No
XI) Current Results Of Air Monitoring On-Site:	Not Available	✓ Acceptable / Not Acceptable

Comments: Inspected beams only partially due to gross amts of debris on floor, at seams, in holes in poly, on equipment, under microtraps, on clamps. Area must be recleaned w/ concentration on poly. ATC consultant aggrees that area must be recleaned

Name: [signature]

08/07/89 Inspection Date

1:30 AM/PM Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

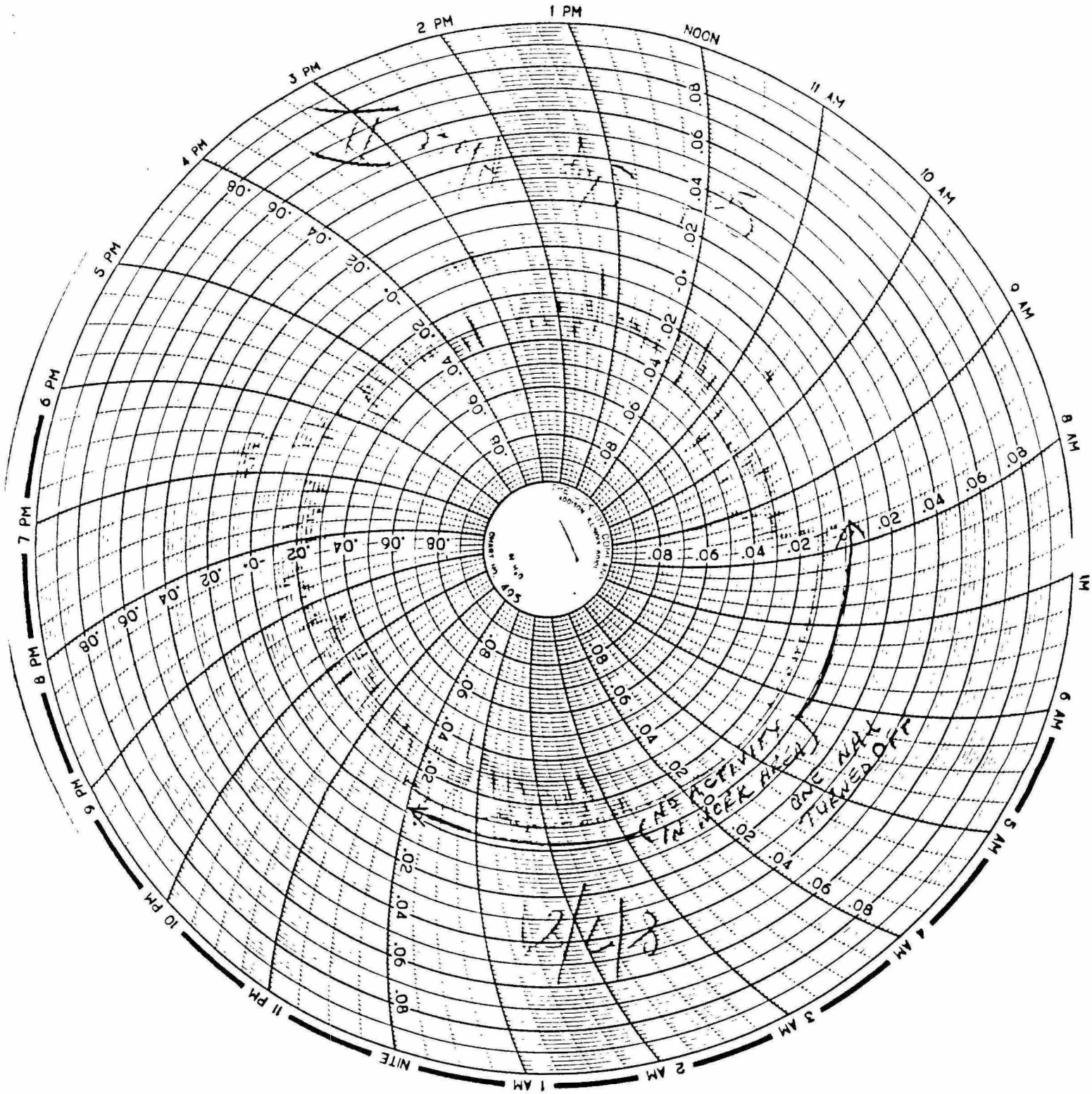
TENANT REVIEW REQUEST

DATE: 6/28/89 AMD-13

TAA N°: Y-6135A PAN AM WORLDPORT - GATE 9

NAME	COMPANY	TELEPHONE
MAURICE KOPELOWICZ	P.A TENANT LIAISON	[redacted]
LUMO TSUNGU	ATC ENVIRONMENTAL, INC.	
Keith Goss	PA EMD	
TONY FONTANETTA	P.A. E.M.D.	
RON DURANTE	P.A. REO	
Bob Pruno	P.A. Env Eng	
MIKE CAPASSO	P.A./R.E.O.	

APPROVED 6/28/89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ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-25
Sampling Date: 08-09-89
Analysis Date: 08-09-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
[redacted]			

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
BDL = Below Detectable Level
ELAP Certificate #10911
* This test report relates only to the items tested and must not be reproduced, except in full, without the approval of the laboratory.

ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

2 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, new York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-17
Sampling Date: 08-07-89
Analysis Date: 08-08-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
[redacted]			

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
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ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples Taken At Pan Am
FIND #4-7-30
Sampling Date: 8/6/89
Analysis Date: 8/7/89 Report Date: 8/8/89

ECL Sample Number	Sample Time: Mins.	Volume (liters)	Concentration (f/cc)*

[redacted]

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
BDL = Below Detectable Level
ELAP Certificate #10911
* This test report relates only to the items tested and must not be reproduced, except in full, without the approval of the laboratory.

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CHART NO. 495

ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples Taken At Pan Am
FIND #4-7-30
Sampling Date: 8/6/89
Analysis Date: 8/7/89 Report Date: 8/8/89

ECL Sample Number	Sample Time: Mins.	Volume (liters)	Concentration (f/cc)*
[redacted]			

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
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ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, new York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-17
Sampling Date: 08-07-89
Analysis Date: 08-08-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
[redacted]			

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
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ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-25
Sampling Date: 08-09-89
Analysis Date: 08-09-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
[redacted]			

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
BDL = Below Detectable Level
ELAP Certificate #10911
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6-ENG

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
Asbestos Certification Letter and Permit Application

Y-6110A

Instructions: Part One or Two of the Asbestos Certification Letter and Permit Application shall be completed and submitted with form PA-531. If Part Two indicates that asbestos containing material will be disturbed during the term of the project, then complete Part Three, Asbestos Abatement Permit Application.

Part One - Certification of a Non-Asbestos Project

The area of construction has been surveyed and no asbestos containing material (ACM) is present or will be disturbed during the course of this project. Complete one of the following:

NJ Facility:

Name of Professional Engineer or Architect	Signature of Professional Engineer or Architect	License No.	Date

NY Facility: Pan American World Port, Building #53 South Concoarse, Supplementary air

Name of Certified NYC Investigator	Signature of Certified NYC Investigator	Certification Number	Date

Part Two - Certification of an Asbestos Project

The area of construction has been surveyed, samples have been taken and the test results of the suspect asbestos containing material (acm) reveals the following:

ACM - PRODUCT	TYPE OF ASBESTOS	APPROX. % OF ASBESTOS	No. of Samples	No. of Positive
Spray-on Material	Chrysotile	10-25%	4	2
Pipe Insulation				
Boiler Insulation				
Other				

Note: Type of Asbestos = Chrysotile, Amosite, Crocidolite, Anthophyllite, Tremolite and Actinolite

Name of Certified Environmental Consultant	Signature of Certified Environmental Consultant	Environmental Consultant Certificate No.	Date
		ABIH #3300	6-27-89

6-ENG

Part Three - Asbestos Abatement Permit Application

A. LOCATION:

Facility: PAN AM WORLD PORT JFK INT'L

Building No.: 53

Building Area: SO. CONCOURSE LEVEL SUPPLEMENTARY AIR

A. Boiler Room

B. Mechanical Equipment Room

C. Other

B. PURPOSE: Reason for abatement: Operation & Maintenance ____

Demolition ____ Renovation X Other ____

C. SCOPE OF WORK, TYPE OF MATERIAL AND ASSOCIATED COSTS:
(Cost information is not necessary if Waiver is signed)

1. Removal	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	225	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		L.FT.
	Other		
	Total Cost Of Abatement (Materials, Labor, Disposal, etc.) *	$ 23,000	
2. Replacement	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	200	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		
	Other	3,000	
	Total Cost Of Replacement (Materials, Labor, etc.) *	$	
3. Cleanup/Repair	(Indicate Quantity	2000	CU.FT.
	Total Cost Of Cleanup (Labor, Disposal, etc.)*	$ 9,000	
4. Size Of Site Containment		200	SQ.FT.

5. Does the scope of work described in this tenant alteration application include work other than asbestos abatement ? Yes X No ____

* Estimate of costs required only if tenant wishes to participate in the Port Authority lawsuit against miners and manufacturers of asbestos products found within Port Authority buildings.

6-ENG

D. ABATEMENT METHOD
1. Glove Bag Procedure _____
2. Full Site Containment X
3. Partial Containment _____
4. Structural Containment (Enclosure) _____
5. Other TENT PROCEDURE

E. ASBESTOS ABATEMENT CONTRACTOR
Name: APED CO. INC.
License Number: AC-88-049
Address: 62 PORETE AVENUE
Telephone Number: NO. ARLINGTON, NEW JERSEY 07032
Contractor Project Supervisor: JAN SZYMANSKI
Principal: JOE SHANNON

F. ASBESTOS WASTE DISPOSAL HAULER
Name: ADA
Address: 170 CHANGEBRIDGE RD. MONTVILLE, NJ 107045
Telephone Number: (201) 227-8160

G. ENVIRONMENTAL LAB
Name: ATC ENVIRONMENTAL INC.
Address: 104 E. 25TH ST. NYC 10010
Telephone Number: (212) 353-8280

H. ESTIMATED ABATEMENT SCHEDULE (see attached Waiver Letter)
Start Date: _____ Completion Date: _____

I. TENANT CONTACT
Name: FRANK GRILL (PAN AM)
Telephone Number: (718) 632-5129

Part Four - INFORMATION TO BE FURNISHED BY THE LINE DEPARTMENT

A. TAA No.: Y-6110A Cost Recovery No.: 215.072
B. Line Department Project Manager: Paul Fernandez
Telephone Number: (718)-656 2584

Part Five - APPROVAL BY PORT AUTHORITY:

The asbestos abatement permit application has been reviewed and the specifications, drawings, and the information in items 3-7 have been approved.

Environmental Engineering 7/17/89
Signature: _____
Title: _____
Date: _____

Environmental Management Division
Signature: _____
Title: _____
Date: 7/14/89
Permit No. _____

6-ENG

PAN AM

8/30/89

Y-6110 & Y-6110A

(1)

SUPPLEMENTAL A.C. in Concourse

It was reported to me by Tony Fontenetta, of the Asbestos Management Control Unit (EMU), that he ordered work stopped last night due to unsafe environmental conditions at the worksite.

It seems that construction had started on Y-6110 because the asbestos abatement phase under Y-6110A had been completed, but it appears that asbestos is still being disturbed during construction. ~~because the ductwork is a new ductwork~~ In the area in question, spot removal of asbestos was approved & completed for new ductwork hangers. Unfortunately, the new ductwork activity is disturbing asbestos material

above ~~the~~ because of the close proximity of the top surface of the new ductwork, and accidental disturbance of ACM cannot be controlled. ACM ~~was~~ had fallen on public surface areas & the workmen were at risk, not to mention potential public.

Asbestos removal workers from APED were present dusting the metal pan ceiling units for removal at the same proximity of the construction workers! The APC representative was present & he understood the problem & the risks present, but said he could not stop the work because of Tenant (Pan Am) pressure on his superiors to do the construction.

After checking my records, & with the T.L.O., the TAA

G-ENG

(3)

Y-6110 for the construction work <u>has not been approved yet</u>. Therefore The work is "unauthorized construction" and should have not been started in the first place.

A revised asbestos removal process ~~is in order~~ should be submitted by Pan Am (APC) based on field conditions not anticipated.

I will direct Pan Am to stop all work on Y-6110 until all this is resolved.

M J Cappasso

P.S. Frank Grill has agreed to stop all work under Y-6110 & resolve the asbestos condition

JFK Resident Engineer's Office
Capasso Office - Tenant Asbestos Construction

TENANT ASBESTOS REMOVAL PROJECTS

DATE FORWARDED	CONTRACT OR Y-NUMBER	COST RECOVERY NUMBER	TITLE	DATE RETURNED
[redacted]				2-14
1/17/90	Y-6142A	215.075	Pan Am - Bldg #53 - Departure Level - Ceilings	2-14
1/17/90	Y-6123A	215.071	Pan Am - Bldg #53 - Gate #9	
[redacted]				
1/17/90	Y-6112A	215.063	Pan Am - Bldg #53 - Column Repairs/Pilot's Lounge	
1/17/90	Y-6110A	215.072	Pan Am - Bldg #53 - Supplemental Air Conditioning	
[redacted]				
1/17/90	Y-6080A	215.062	Pan Am - Bldg #53 - Odd Size West - O/B Baggage	
1/17/90	Y-6076	215.059	Pan Am - Bldg #53 - Canopies	2-14
1/17/90	Y-6074A	215.052	Pan Am - Bldg #53 - Baggage Claim Office	
1/17/90	Y-6072A	215.087	Pan Am - Bldg #53 - East - Immigration & Customs	
1/17/90	Y-6062A	215.505	Pan Am - Bldg #53 - O/B Baggage Sys.	
[redacted]				2-

1 IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF NEW YORK
2

3 THE PORT AUTHORITY OF NEW YORK)
AND NEW JERSEY (formerly known)
4 as "The Port of New York)
Authority" and PORT AUTHORITY)
5 TRANS-HUDSON CORPORATION,)
Plaintiffs,)
6)CIVIL ACTION FILE NO.
- against -)
7)91 CIV 0310(CLB)(MDF)
ALLIED CORPORATION,)
8 (individually) and as a)VOLUME III
subsidiary of "Allied-Signal,)
9 Inc."), et al.,)
Defendants.)
10
UNITED STATES MINERAL PRODUCTS)
11 COMPANY and DALEN (formerly)
Isolatek Corp.),)
12 Third-Party)
Plaintiff,)
13)
- against -)
14)
TISHMAN REALTY AND)
15 CONSTRUCTION CO., INC.,)
et ano.,)
16 Third-Party)
Defendants.)
17
CONTINUATION OF THE DEPOSITION OF
18 WILLIAM M. EWING

19 November 13, 1996
9:15 a.m.
20
3800 One Atlantic Center
21 1201 West Peachtree Street
Atlanta, Georgia
22

Frances Buono, RPR, CCR-B-791

23

PRIOTIY-ONE COURT REPORTING, INC.

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1 WILLIAM M. EWING,

2 having been previously sworn, was examined and

3 testified as follows:

4 FURTHER EXAMINATION

5 BY MR. NICYPER:

6 Q. Good morning, Mr. Ewing.

7 A. Good morning.

8 Q. When we finished yesterday, we were

9 discussing JFK Building 53, that is what is

10 currently the Delta Terminal, previously the Pan Am

11 Terminal. I would like to pick up where we left

12 off.

13 Let me show you one of your photographs,

14 this is photograph 15 15:30. You can look at this

15 one. And it is referred to in your field notes on

16 Page 12 of 16.

17 A. Yes.

18 Q. Can you tell me what is depicted in this

19 photograph?

20 A. It is a view of the fireproofing at a

21 perimeter beam.

22 Q. It appears that there are -- is that a

23 single homogeneous fireproofing, in your opinion?

24 A. It doesn't appear to be. Does not appear

25 to be.

1 Q. Do you know whether there was more than
2 one type of fireproofing in that particular -- this
3 is in the fourth floor mechanical equipment room; is
4 that correct?
5 A. Yes. It is in the fourth floor
6 mechanical equipment room.
7 Q. Do you know whether there is more than
8 one type of fireproofing in that room?
9 A. Offhand, I do not. There may be
10 information in the bulk sample survey in the
11 binders, if there happened to be several taken
12 there, which I can look through at this point and
13 tell you.
14 Q. With respect to the Delta Terminal at
15 JFK, are the opinions that you anticipate giving at
16 trial in this case, with respect to this building,
17 any different than those than you have mentioned
18 with respect to Newark Terminal A? I think you had
19 four items there?
20 A. I think they would be very consistent
21 with what I said about the Newark Terminal A. I
22 think there are some, I believe there are some items

23 on that list that we may have discussed yesterday

24 that are quite specific to this building.

25 Q. Why don't we go ahead and look at

1 Exhibit 16, if you would. I believe that is the
2 list you are referring to.
3 And on the bottom of the second page it
4 appears to refer to this building, and carries over
5 to the third page. There appear to be three
6 paragraphs that reference this building. Is that
7 correct?
8 A. Yes.
9 Q. The first paragraph refers to the baggage
10 claim area of customs?
11 A. Yes.
12 Q. And your recommendation was that the
13 debris should be cleaned up and the fireproofing
14 removed?
15 A. In that area, yes.
16 Q. And when you say removed in that area,
17 what area specifically is it you are referring to?
18 A. It is the -- there are baggage claim
19 carousels for the international flights, which is
20 separate from the other baggage claim, and the
21 fireproofing in that area was rated as significantly
22 damaged fireproofing.

23 Q. And was that because at times it appeared

24 to have been impacted by baggage?

25 A. Some of it appears that that may have

1 been the case.

2 Q. And, is it your opinion that all of the

3 fireproofing in that entire area, that baggage claim

4 area, should be removed, or merely that fireproofing

5 that may be impacted by baggage?

6 A. It would be my opinion that they remove

7 all of the fireproofing in the area of, I think

8 there are four or five baggage carousels. I don't

9 think you could easily remove it in, for example, at

10 each carousel because of the way you would have to

11 contain it. You would have to contain an entire

12 carousel, and you would want to remove all within

13 the contained area.

14 The simple thing would be the cost of

15 removing all of it would be, I think, almost

16 identical to the cost of removing just the material

17 that really has to be removed, or I think has to be

18 removed.

19 Q. Is it your opinion that people in that

20 baggage carousel area who pick up their bags are at

21 risk?

22 MR. JEKEL: Objection to the form of

23 the question.

24 A. There may be some

25 exposure from time to time to passengers, but

1 it would be rather short-lived, I think.
2 Q. Is it your opinion that
3 passengers should be notified of the condition of
4 the fireproofing and the circumstances in those
5 areas?
6 MR. JEKEL: Objection to the form of
7 the question.
8 A. No.
9 Q. Do you know whether the
10 fireproofing in that area has been removed since you
11 made the recommendation?
12 A. I don't know.
13 Q. The next paragraph refers to the customs
14 level arrivals outside. And I guess both
15 paragraphs, to some extent, refer to the same
16 recommendation, is that true? Let me ask it this
17 way. Is the recommendation in the second paragraph
18 on this third page refer to the circumstances
19 described in the first paragraph on that page?
20 A. No, these are two different areas. The
21 top paragraph on the third page refers to an area
22 outside the building where some of the tiles need to

23 be replaced, as well as some areas out over the

24 roadway that need to be replaced.

25 Whenever they choose to renovate or

1 remove the remaining tiles or whatever reason, that
2 would be the time to abate the fireproofing.
3 Q. I see. And, if the fireproofing remains
4 in the same condition, substantially the same
5 condition it is currently in, and if they do not
6 choose to remove the remaining tiles, is it your
7 opinion that the material could stay in place until
8 the time of demolition?
9 MR. JEKEL: Objection to the form of
10 the question.
11 A. I think I could say as
12 long as they don't disturb that area through
13 renovation activities, then it could stay.
14 Q. I noticed in that paragraph
15 there is no recommendation listed here.
16 Did you make a recommendation regarding that area at
17 the time of your inspection?
18 A. Only that the tiles, the metal pans,
19 should be put back in. Well, not put back in, they
20 were missing. The ones that were missing should be
21 replaced.
22 Q. And then the last paragraph refers to

23 adherence to the O & M procedures; is that correct?

24 A. Yes.

25 Q. And, your recommendation there was that

1 material be cleaned up using the appropriate O & M
2 techniques; is that correct?
3 A. Yes.
4 Q. Other than these three paragraphs
5 concerning the Delta Terminal, did you make any
6 other recommendations at the time of your inspection
7 with respect to the asbestos-containing materials in
8 this building?
9 A. No, I don't think so.
10 Q. Other than the recommendations listed in
11 this Exhibit 16 with respect to the Delta Terminal,
12 do you recommend abating or cleaning other areas in
13 this building within any specified period of time?
14 MR. JEKEL: Objection to the form of
15 the question.
16 A. It is my opinion that I
17 think what they are doing is appropriate,
18 which is abating areas as they are being
19 renovated.
20 Q. With respect to Newark Airport
21 Terminal A, the opinions I believe
22 you stated you anticipate giving at trial with

23 respect to this building were one, the -- with

24 respect to that building, were that the

25 asbestos-containing fireproofing is friable. Would

1 you also get that opinion with respect to this
2 building, the Delta Terminal?
3 A. Yes.
4 Q. Second opinion I think you stated was
5 that the asbestos-containing material releases
6 asbestos. Would you also give that opinion with
7 respect to this Delta Terminal?
8 A. Yes.
9 Q. Third, I think you stated was that
10 asbestos accumulation is high concentration. Would
11 you also give that opinion with respect to the
12 Delta Terminal?
13 A. Yes.
14 Q. And I think the fourth opinion you stated
15 was that the fireproofing should be removed in a
16 phased manner such as in conjunction with renovation
17 or demolition. Would you also give that opinion
18 with respect to the Delta Terminal?
19 A. Yes, with the exception of the customs
20 baggage area.
21 Q. With respect to your last -- let me step
22 back. Statement that the asbestos-containing

23 fireproofing in this building is friable, what is

24 the basis for that opinion?

25 A. Physically touching the fireproofing, it

1 meets the definition of friable fireproofing. Also,
2 I have never yet seen any spray-applied
3 asbestos-containing fireproofing in which asbestos
4 was added as a constituent to the product that was
5 not friable. I am not aware that such a thing ever
6 existed.
7 Q. Any other basis for that opinion?
8 A. Well, I think you can look at
9 Mr. Hatfield's videotapes that demonstrate pretty
10 clearly that, yeah, that stuff is friable.
11 Q. And those are the videotapes of the
12 experiments or demonstrations he conducted at
13 Port Authority buildings?
14 A. Yes.
15 Q. Do you know whether he conducted any
16 demonstrations in this building, the Delta Terminal?
17 A. Offhand, I don't remember, I really
18 don't.
19 Q. The opinion that asbestos-containing
20 material releases asbestos, what is the basis for
21 that opinion with respect to the Delta Terminal?
22 A. The presence of dust and debris on

23 surfaces below the in-place material. There are

24 also a number of articles that we have referred to,

25 again, yesterday, and other documents that have

1 concluded the same thing, that friable,
2 spray-applied surfacing materials release fibers
3 over time, or release asbestos.
4 Q. Any other basis for that opinion?
5 A. No, I think that is it.
6 Q. And then the third item that the asbestos
7 accumulation is a high concentration, what is the
8 basis for that opinion?
9 A. The results of dust sampling done in the
10 building.
11 Q. And, this was dust sampling conducted by
12 you?
13 A. Yes.
14 Q. Any other basis for that opinion?
15 A. The photographs and videotape of the
16 inspection showing dust and debris on surfaces,
17 visually.
18 Q. And how does that show a high
19 concentration of asbestos fibers?
20 A. Well, the debris that is present is
21 fireproofing debris, and would have the same
22 concentration in it as the parent material. So, if

23 the parent material is 9 to 10 percent chrysotile,

24 the debris would be the same.

25 Q. Any other basis for that opinion?

1 A. No.
2 Q. And the final opinion that the
3 fireproofing should be removed in a phased manner,
4 such as in conjunction with renovation or
5 demolition, what is the basis for that opinion?
6 A. Much of it would be required to be
7 removed under the existing regulations, the NESHAP
8 regulations. To me, the more important one would be
9 to remove a hazardous material in a controlled
10 manner, and then they can proceed with whatever
11 renovation they want to do without unnecessarily
12 exposing the workers who had come in to remodel the
13 space or renovate the space.
14 Q. Under this particular opinion you have
15 given, if, in fact, the fireproofing that is
16 currently in the building remains substantially in
17 the same condition it is in, and there were no
18 further renovation activities, would it be your
19 opinion that it should be removed at the time of
20 demolition but not necessarily any sooner?
21 MR. JEKEL: Objection to the form of
22 that question.

23 A. If it remained in the same

24 condition, and they did no renovation

25 activities to disturb it, or the dust and

1 debris from it, then that is certainly
2 possible. If I can, without having to go
3 back and say what the exception to the
4 customs --
5 Q. Yes, with the exception of what
6 we spoke about with respect to Exhibit 16,
7 yes, I understand.
8 Are you aware of what other, other than
9 fireproofing, what other asbestos-containing
10 materials are in this building?
11 MR. JEKEL: Objection to the form of
12 the question.
13 A. Not without going back
14 through the binders to look at that.
15 Q. Let me show you in your binder
16 from Volume 8, an item, which is listed in
17 your reliance materials as 2-H. Within that section
18 2-H is a Hall-Kimbrell report. And, I am looking
19 now at the first introductory page to it.
20 If you would look at the fourth paragraph
21 of that introductory page, reads: "Building
22 materials which have been confirmed by laboratory

23 analysis to contain asbestos include spray-applied

24 fireproofing; corrugated, wrapped cardboard; and

25 magnesia pipe coverings with mudded joint packing;

1 mudded joint packing on fiberglass-insulated piping
2 systems; vinyl floor tiles; tank insulation and
3 debris."
4 Do you see that?
5 A. Yes.
6 Q. Do you have any information inconsistent
7 with that statement?
8 A. No.
9 Q. And your knowledge with respect to
10 whether or not there are other asbestos-containing
11 materials, other than fireproofing, in this
12 building, is based on documents such as this
13 Hall-Kimbrell report?
14 A. Yes.
15 Q. Feel free if you want to look at it.
16 A. No.
17 Q. Do you know how many hours you spent
18 visiting this building?
19 A. I arrived at 9:30 in the morning on
20 May 15. Actually, I must have arrived sooner than
21 that. I took my last photograph at 4:39 in the
22 afternoon. It looks like I was actually there

23 between about 9:15 in the morning and 5 o'clock in

24 the afternoon.

25 Q. And that was on May 15, 1996?

1 A. Yes.

2 Q. Other than your visit on May 15, 1996,

3 have you visited this building on any other occasion

4 for the purpose of inspecting the fireproofing, or

5 other asbestos-containing materials, taking

6 photographs, taking videos, or taking dust or air

7 samples?

8 A. No.

9 Q. Do you anticipate visiting this building

10 again for any of these purposes?

11 A. No.

12 Q. Do you anticipate visiting this building

13 again for any other purpose pertaining to this

14 litigation?

15 A. No.

16 (Ewing Exhibits 19 and 20 were marked

17 for identification.)

18 Q. (By Mr. Nicyper) Mr. Ewing, let me show

19 you two documents that I have asked the court

20 reporter to mark. [redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

11 Q. If you would look now at Exhibit 20,

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

17 Q. Looking at Exhibit 16, again you have a

18 couple of paragraphs in Exhibit 16 that reference

19 this Delta Cargo Building [redacted] And they appear on

20 the first page carrying over to the second page; is

21 that correct?

22 A. Yes.

[redacted]

[redacted]

23 Q. What opinions do you anticipate giving at

24 trial with respect to this high-density fireproofing

25 area in Building [redacted] and if they would be the same

1 as the opinions that you described with respect to

2 JFK 53 and Newark Terminal A, you could answer that

3 way is fine?

[redacted]

15 Do you anticipate giving any other opinions with

16 respect to any of these three buildings, [redacted]

[redacted] JFK Building 53, and JFK Building [redacted]?

18 A. I really can't answer that without

19 knowing what I am going to be asked.

20 Q. But as you sit here today, do you

21 anticipate other opinions with respect to those

22 buildings?

23 A. I will certainly have other opinions

24 regarding the rest of the Delta Cargo Building that

25 we have not discussed. But, as far as my general

1 opinions regarding the high-density material in that

2 building, and the [redacted] and --

3 Q. Delta Terminal?

4 A. And the Delta Terminal, I don't have

5 other opinions that come to mind.

[redacted]

[redacted]

12 Q. If I could go back to Delta Terminal 53.

13 Is it your opinion that there are areas in

14 Delta Terminal Building 53 that do not

15 have asbestos contamination as you have defined that

16 term previously in this deposition?

17 A. There are some areas that have less

18 contamination that I am aware of. The areas that

19 have been abated, I am making an assumption that the

20 asbestos contamination was taken out as part of the

21 abatement. All the other areas it appeared to be

22 very consistent and the sampling was done at random,

23 so I believe that to be representative of the other

24 areas.

25 Q. So, it is your opinion that areas other

1 than those areas that have been abated have asbestos

2 contamination as you defined that term in this

3 deposition?

4 A. Yes.

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

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[redacted]

[redacted]

[redacted]

[redacted]

20 Q. Are there any particular buildings you

21 have in mind where the maintenance workers are not

22 capable of being trained?

23 A. Well, only because the way you have

24 worded it, there is an individual in the Delta Cargo

25 Building that I think just couldn't be trained to do

1 this simply because of a language barrier. But,
2 that is all.
3 Q. Did that individual -- what was his
4 language?
5 A. Russian.
6 Q. But it is your belief he was not capable
7 of being trained to follow an asbestos operations
8 and maintenance program?
9 A. If it were taught in Russian and
10 translated into Russian, I think he could be, yes.

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

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[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

1 than the opinions you have expressed today regarding
2 JFK Building 53 and [redacted]?
3 A. I expect them to be about the same.
4 Q. Any differences you can think of as you
5 sit here today?
6 A. No.
7 Q. And the basis of those opinions would be
8 the same types of material you described as the
9 basis for your opinions regarding the other
10 buildings, except they would be those same materials
11 that were obtained or taken with respect to this
12 building; is that correct?
13 A. Yes.
14 Would this be a good place to break for
15 lunch?
16 Q. Almost. Could I ask just a few more
17 follow-up questions here. Is it your opinion that
18 there are any areas in this building that do not
19 have asbestos contamination, as you have defined
20 that term previously in this deposition?
21 A. It is my opinion that surfaces below
22 in-place fireproofing in this building does have

23 asbestos contamination. Surfaces such as the desk

24 that somebody sits at up above the toll plaza

25 itself, I have no reason to believe that desk is

1 contaminated.

2 Q. Is your opinion, is it your opinion that

3 workers in this building are at risk from asbestos

4 exposure?

5 MR. JEKEL: Objection to the form of

6 the question.

7 A. My concern is more for

8 maintenance and service worker who work in

9 the vicinity of the asbestos itself. I don't

10 think the actual toll booth operators would

11 receive a significant exposure to the

12 asbestos from the fireproofing. Probably no

13 more than they get from the brakes from the

14 cars.

15 Q. Is it your opinion that the office

16 workers in this building would receive a

17 significant asbestos exposure from the fireproofing

18 in that building?

19 MR. JEKEL: Objection to the form of

20 the question.

21 A. I would not expect that

22 under normal circumstances. I would expect

23 that, for example, just prior to my being

24 there, someone was running coaxial cable

25 through the ceiling plenum or the ceiling

1 space and not following the O & M
2 procedures.
3 I have no idea what the exposures were
4 from that cable pulling operation. I do
5 believe that they would have resulted in a
6 significant increase in the airborne
7 concentration, at least to the person doing
8 the work.
9 Q. Do you believe that increase --
10 is it your opinion that that increase
11 would have exceeded the OSHA levels on a
12 time-weighted average basis?
13 A. I wouldn't be able to offer the opinion
14 on that.
15 Q. But you don't have an opinion one way or
16 another?
17 A. My opinion would be that it is possible
18 that it could have. It is also possible that it
19 wouldn't have.
20 Q. And with respect to the maintenance
21 workers you discussed in this building, would your
22 concern regarding their asbestos exposure be

23 alleviated if they followed an appropriate asbestos

24 and maintenance program for the building?

25 MR. JEKEL: Objection to the form of

1 the question.
2 A. It would certainly reduce
3 their exposure. And if they followed it
4 correctly, I think it could reduce their
5 exposure to the point where I don't feel they
6 were at any increased risk of exposure.
7 Q. Do you recall approximately
8 approximately how long you spent inspecting this
9 building?
10 A. Between an hour and a half and two
11 hours.
12 Q. Other than that visit, have you paid any
13 other visits to this building?
14 A. No.
15 Q. And do you anticipate visiting this
16 building again for any purpose?
17 A. No.
18 MR. NICYPER: As you request, this may
19 be a good time to take a lunch break.
20 (Luncheon recess was taken.)
21 (Ewing Exhibit 27 was marked for
22 identification.)

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

1 Q. Did you take any debris samples in any
2 other buildings, other than the two referred to in
3 Exhibit 27?
4 A. No, I did not.
5 Q. If someone questioned the constituents of
6 a debris sample in Building 53, would you use this
7 debris sample from Building [redacted] as a basis for any
8 opinion you might give in that regard?
9 A. What is Building 53?
10 Q. I am sorry, that was the Delta Terminal?
11 A. I don't think so, no. If I understand
12 your question, no, I would not do that.

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

24 Q. When you inspected the buildings that we

25 have discussed thus far, do you recall during any of

1 those inspections that ceiling tiles were moved in

2 order for you to inspect fireproofing above a drop

3 ceiling?

4 A. Yes.

5 Q. Do you recall in which building that

6 occurred?

[redacted]

[redacted]

[redacted]

20 Q. Were the same procedures followed, I

21 think you said Building 53, the Delta Terminal, was

22 the same procedure followed for going above the

23 ceiling in the Delta Terminal?

24 A. Yes, with the exception of, for example,

25 if there was an area outside customs arrivals, there

1 was an area that had a number, I think it was 14
2 metal pan ceiling tiles out. Did not need to put
3 down plastic and did not put a suit on. I put on a
4 respirator to look up above the area.
5 Q. I see. But where ceiling tiles were
6 removed, you did put plastic down and did put a suit
7 on?
8 A. Yes. To finish that answer --
9 Q. I am sorry, I didn't mean to interrupt.
10 A. -- there was another special circumstance
11 that makes it easy to do some inspections at that
12 particular building.
13 There are areas that have been abated,
14 and you could go to the edge of an area that had
15 been abated, and go up into the ceiling at that
16 point, and then actually look into areas that had
17 not been abated.
18 Q. Do you recall whether there were any
19 ceiling tiles moved in order for you to look above
20 the ceiling in any areas that had not been abated in
21 the Delta Terminal?
22 A. Yes.

23 Q. And the procedure you used there, I think

24 you have described, you put plastic down on the

25 floor, a ladder on top and you wore a suit and a

1 respirator to go above the ceiling?

2 A. Yes.

3 Q. And, in those circumstances, as I

4 understand it, you did not use an enclosure, or tent

5 enclosure around the area where the ceiling tile was

6 moved; is that correct?

7 A. That is correct. We did have a HEPA

8 vacuum for cleanup as well.

9 Q. Have you at any time reviewed the

10 videotape prepared by Dr. Longo and Mr. Hatfield

11 regarding ceiling tile dust and debris? It is

12 included in one of the videotapes in your collection

13 of 13?

14 A. I know which one you are talking about.

15 Yes, I have.

16 Q. Can you recall any of the ceiling tiles

17 that were moved in order for you to go above a drop

18 ceiling in any of the Port Authority buildings,

19 whether any of those ceiling tiles contained the

20 same amount of dust and debris that you saw on the

21 videotape in Dr. Longo and Mr. Hatfield's video?

22 A. The actual tile that I moved, or

23 adjoining tiles?

24 Q. Yes, the one that you moved.

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

13 Q. And are there any other photographs that

14 you find in your building, Delta Terminal, set of

15 photographs that has the same quantity of dust and

16 debris as you saw on the videotape by Dr. Longo and

17 Mr. Hatfield?

18 A. Well, there is photograph 15 12:35. And,

19 I would say I don't know the actual quantity that

20 was in the videotape, but it would seem that this

21 would be somewhat comparable to it.

22 Q. On that same ceiling tile that you have

23 identified in 15 12:35 photograph, there also appear

24 to be some metal pieces and some metal hooks there

25 and things; is that correct?

1 A. Photograph 15 12:35 is not a ceiling
2 tile.
3 Q. Okay.
4 A. And your question earlier was ceiling
5 tiles but now was any amount, so I thought --
6 Q. I see. I did not mean to go away from
7 ceiling tiles. What was that area that you have in
8 that photo, is that a duct?
9 A. That is the top of an air duct, yes.
10 Q. Have there been work done above it, or
11 are those metal pieces on top of the duct from work
12 that had been conducted somewhere above that duct?
13 A. Well, the metal pieces I see just appear
14 to be the hanger straps for the duct. I don't know
15 the maintenance history of the area.
16 Q. Do you see any other ceiling tile
17 photographs that fit the description that we just
18 discussed?
19 A. On photographs 10:47 and 10:46, I believe
20 it is 10:46 is ceiling tiles and 10:47 -- I would
21 have to look them up exactly what they are. But,
22 when you open up the ceiling, that is what you see.

23 And it would be my opinion that that would be

24 considerably more than what you would see in the

25 Hatfield video.

1 Q. And, do you recall that the material you
2 see on 10:46 had actually been dislodged or scraped
3 from the fireproofing above in order to install
4 equipment?
5 A. It is my opinion that the material, the
6 fireproofing, had delaminated from the beam up above
7 that.
8 Q. When you say delaminated, what was the
9 cause, in your mind, of the delamination?
10 A. Loss of adhesion between the fireproofing
11 and the metal beam itself.
12 Q. What is the basis for your conclusion?
13 A. Touching the fireproofing and noting that
14 there was a gap between fireproofing where it had
15 separated right at this point, and seeing sections
16 missing.
17 Q. You are referring there to photograph
18 10:45, which appears to have a beam with
19 fireproofing on it, and then some areas where there
20 is no fireproofing that appears to be covered with
21 rust; is that correct?
22 MR. JEKEL: Objection to the form of

23 the question.

24 A. Yes, that is correct.

25 Q. Do you know whether

1 there was any water damage in that area?

2 A. It appears that there may have been some

3 water damage to the fireproofing, but it is unclear

4 where that could have come from.

5 Q. And, go ahead and complete your review

6 and tell me if you find any other ceiling tiles with

7 the same quantity of dust and debris as you viewed

8 on the videotape by Dr. Longo and Mr. Hatfield?

9 MR. JEKEL: Just the [redacted]

10 or do you want him to go through all of the

11 photos

[redacted]

[redacted]

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7 Q. Have you reviewed the Port Authority's
8 future abatement cost estimates?
9 A. No, I have not.
10 Q. Have you seen any plans regarding
11 abatement areas which the Port Authority has mapped
12 out for potential -- strike that.
13 Have you seen any future cost abatement
14 areas that the Port Authority has designed in
15 connection with this litigation?
16 A. I think I can safely say no, because I
17 don't understand what you are referring to.
18 Q. Have you seen any drawings that identify
19 areas in a building which the Port Authority
20 designated as an abatement area to be abated in the
21 future in connection with this litigation?
22 A. Again, no, I haven't.

23 Q. Have you assisted the Port Authority in

24 developing any operations and maintenance plans or

25 procedures?

1 A. No, I don't think so.

2 Q. Have you done, in this case, any

3 analysis, similar to the one you had done in the

4 [redacted] concerning

5 what you referred to there as associated costs?

6 A. No, I have not.

7 Q. Do you anticipate giving any opinions in

8 this case that specifically pertain to damages?

9 A. As far as actual cost estimates and this

10 type of thing? No.

11 Q. I take it then you have not made a study

12 of the Port Authority's overall expenditures

13 regarding asbestos; is that correct?

14 A. That is correct.

15 Q. And, you have not been asked to do any

16 financial analysis in this case; is that correct?

17 A. That is correct.

18 Q. Do you anticipate doing either of those

19 things in this case?

20 A. No, I do not.

21 Q. You have mentioned earlier that it was

22 your belief or you characterized the Rich Lee

23 pulverization experiment as ridiculous. Why do you

24 believe that or why did you characterize it as

25 such?

1 A. Well, the whole issue of is Mon-kote-3
2 friable or not or can it release fibers, is to me is
3 just ridiculous. There must be tens of thousands of
4 samples taken from abatement projects abating this
5 product. And we know full well that it causes
6 exposure.
7 And if W. R. Grace truly believes it
8 cannot release respirable fibers from that product,
9 then I think they are obligated to go to OSHA with
10 that data and declare that under the new OSHA
11 standard, which they are certainly allowed to do,
12 and that way we never have to worry about it
13 anymore.
14 If a manufacturer provides that
15 certification, then what are we all doing here if
16 that is really true. I mean, to me it is crazy.
17 Q. Many people have asked some of the same
18 questions.
19 Is it your understanding that the Rich
20 Lee pulverization tape shows release of no fibers?
21 A. I don't know what it shows, to be quite
22 frank with you. I don't even understand the purpose

23 of it.

24 Q. Your characterization then of it was

25 based on what you just described?

1 A. I mean, I have seen results, asked to
2 look at this, and if you have a copy, I will be glad
3 to look at it with you again, but it has been a
4 while, and I don't recall the numbers as we sit
5 here.
6 Yes, there were some structures found, as
7 I understand it. Yet at the same time I read this
8 stuff that there are no respirable fibers can be
9 released from this product. Well, if that is true,
10 then what is the whole point of us being here.
11 Q. Where have you read that?
12 A. Well, that is what I read in Dr. Lee's
13 report in a different case. I don't know if it is
14 appropriate for me to cite that here.
15 Q. Do you recall what case it was?
16 A. In the Prudential case.
17 Q. And that was your understanding of his
18 report in that case?
19 A. Well, that is what I read.
20 MR. NICYPER: Why don't we go ahead and
21 take a break.
22 (A recess was taken.)

23 (Ewing Exhibits 29 through 33 were

24 marked for identification.)

25 Q. (By Mr. Nicyper) Mr. Ewing, let me show

1 you a document which I have marked as Exhibit 29.
2 This is an August 6, 1993 letter from Archibald Cox
3 to David Ziegler. This is a document you provided
4 to us today at the deposition; is that correct?
5 A. It is the same document. I think I
6 provided a different one. But, it is the same
7 document.
8 MR. JEKEL: Off the record.
9 (Discussion ensued off the record.)
10 Q. (By Mr. Nicyper) But in any event, this
11 is the document referred to in Item 17 of your
12 reliance materials; is that correct?
13 A. Yes, it is.
14 Q. Let me show you documents that have been
15 marked as Exhibit 30, which is a one-page letter
16 from William Ewing to Donna Austin dated June 19,
17 1996 enclosing two notebooks. That is a letter you
18 sent regarding notebooks you had pertaining to your
19 anticipated testimony in this case; is that correct?
20 A. Yes, that is right.
21 Q. And, that is a document that you provided
22 to us during this deposition from your files; is

23 that correct?

24 A. Yes.

25 Q. Let me show you a document that I have

1 asked the court reporter to mark as Exhibit 31.
2 This is a multiple page document, refers to -- let
3 me ask you what it refers to?
4 A. The New York State regulations for
5 asbestos.
6 Q. And, this is the document you produced
7 from your files; is that correct?
8 A. Yes.
9 Q. Let me show you a document marked as
10 Exhibit 32, which I believe also is produced from
11 your files, and this is titled Asbestos Regulation
12 in New York State by the New York State Department
13 of Health and New York State Department of Labor,
14 and this attaches a regulation; is that correct?
15 A. Exhibit Number 32 is actually a summary
16 of those regulations, yes.
17 Q. And, that was produced from your files;
18 is that correct?
19 A. Yes.
20 Q. And finally, let me show you what we have
21 marked as Exhibit 2, this is the first few pages of
22 a text you provided to us from your files titled The

23 Official Compilation of the Rules of the City of

24 New York, Volume 5, Environment, Titles 15 through

25 18. Do you see that?

1 A. This is Exhibit 32. Yes.

2 Q. Yes. 32 which we have marked in this

3 deposition. And, that is the regulations you have

4 that are the city regulations pertaining to

5 asbestos-containing materials; is that correct?

6 A. That is correct. The exhibit, I think,

7 is the cover of that book.

8 Q. Yes. And, that book in its entirety is

9 your volume of New York City regulations pertaining

10 to asbestos; is that correct?

11 A. That is correct.

12 MR. JEKEL: Just for the record, she

13 has got two 32's, the last one should be 33.

14 If I am reading them correctly. I am reading

15 them upside-down.

16 MR. NICYPER: Thank you very much. I

17 have no further questions.

18 THE WITNESS: Thank you.

19 EXAMINATION

20 BY MR. ANDERSON:

21 Q. Good afternoon. My name is Cal Anderson,

22 we have spoken a few times over the last few days,

23 but this is the first opportunity I have had to ask

24 you any questions.

25 I would like to back up for just a minute

1 and go back to 1994, the December 20, 1994, that was
2 your first trip to the World Trade Center in
3 connection with this litigation; is that correct?
4 A. Yes, that is correct.
5 Q. And, you stayed in New York for one day
6 and left that same night; is that correct?
7 A. I think I came up in the morning, met
8 Mr. Bleach at the Newark Airport, and I believe he
9 drove me back to the airport that evening.
10 Q. And, Mr. Bleach took you to One
11 World Trade Center, the 68th floor, and there you
12 met with people from the law department and the
13 asbestos litigation task force; is that right?
14 A. I met with people I said earlier. I am
15 not sure which department they were in. I think at
16 least one was an attorney.
17 Q. And that was Mr. Bialik?
18 A. I think that is correct. I am not sure
19 what Mr. Serge Benjamin's role was.
20 Q. And what was the purpose of your getting
21 together that day?
22 A. I think they wanted to meet me and talk

23 to me about being a witness in this litigation, or

24 in this case. I think they had reviewed my CV and

25 seemed to know a little bit about who I was. It

1 also gave me a chance to review some drawings and

2 documents about some of the buildings.

[redacted]

8 A. I don't recall doing that, no.

9 Q. Did you observe any asbestos-containing

[redacted]

12 A. No, I don't think so.

13 Q. And did you form any opinions regarding

[redacted]

16 A. No.

17 Q. And correct me if I am wrong, but I

18 believe that the next time you visited the

19 World Trade Center was May 13, 1996, is that right?

20 A. That is correct.

21 Q. And did you do any work on this case

22 between December 20, 1994, and May 13, 1996?

23 A. I think I reviewed some bulk sampling

24 documents. And I am sure I talked to Mr. Bleach and

25 probably someone from the Ness Motley firm regarding

1 which buildings I would go to look at, approximate
2 size of those buildings, the accessibility of those
3 as far as whether they are accessible at day or at
4 night, to get an idea of what equipment to bring and
5 how much sampling equipment, how long it would
6 take. That is really all I recall.
7 (Ewing Exhibit 34 was marked for
8 identification.)
9 Q. (By Mr. Anderson) Let me show you a copy
10 of what I believe to be your field notes dated
11 May 13, 1996, consisting of 16 pages, marked
12 Exhibit 34 for identification. Do you recognize
13 that?
14 A. Yes, these are my field notes.
15 Q. And I would like to go through your
16 activities of May 13, 1996 a[redacted]
17 [redacted]nd you may refer to the field notes, or
18 anything else to refresh your recollection if need
19 be.
20 The first full paragraph states that you
21 arrived at, I take it [redacted]
22 at 1:30 p.m., and you met with Kevin Bleach and

23 Danny, who is Danny Ng; is that right?

24 A. Yes. N G didn't come out on the copy.

25 Q. Keith Murphy, Serge Benjamin, and it says

1 also Frank and Ezra. Ezra is Ezra Bialik?

2 A. Yes.

3 Q. And who is Frank? Do you have a last

4 name for Frank?

5 A. No. But Frank was helping put together

6 the drawings, I think. I didn't know his last name.

7 Q. Assembling the drawings for you to look

8 at?

9 A. Yes.

10 Q. And then the second full paragraph refers

[redacted]

14 A. Yes.

15 Q. Is the information contained in that

16 paragraph something that was told to you or

17 something that you observed yourself?

[redacted]

[redacted]

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1 INDEX TO EXAMINATIONS

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3 Examination Page

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3 INDEX TO EXHIBITS

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Ewing Exhibit	Description	Page
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10	Building, Old Pan Am Cargo Building	363
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INDEX TO EXHIBITS

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Ewing Exhibit	Description	Page
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1 STATE OF GEORGIA:

2 COUNTY OF FULTON:

3 I hereby certify that the foregoing transcript

4 was reported, as stated in the caption, and the

5 questions and answers thereto were reduced to

6 typewriting under my direction; that the foregoing

7 pages 347 through 537 represent a true, complete,

8 and correct transcript of the evidence given upon

9 said hearing, and I further certify that I am not of

10 kin or counsel to the parties in the case; am not in

11 the employ of counsel for any of said parties; nor

12 am I in anywise interested in the result of said

13 case.

14 Disclosure Pursuant to O.C.G.A. 9-11-28(d):

15 The party taking this deposition will receive the

16 original and one copy based on our standard and

17 customary per page charges. Copies to other parties

18 will be furnished at one half that per page rate.

19 Incidental direct expenses of production may be

20 added to either party where applicable.

21 Our customary appearance fee will be charged to

22 the party taking this deposition.

23 This, the 15th day of November, 1996.

24

FRANCES BUONO, CCR-B-791.

25 My commission expires on the

25th day of April, 1999.

1 DEPOSITION OF WILLIAM M. EWING/FCB

2 I do hereby certify that I have read all questions propounded to me and all answers given
3 by me on the 13th day of November, 1996, taken before Frances Buono, and that:
4
1) There are no changes noted.
5 2) The following changes are noted:

6 Pursuant to Rule 30(7)(e) of the Federal Rules of Civil Procedure and/or the Official Code of
7 Georgia Annotated 9-11-30(e), both of which read in part: Any changes in form or substance which you
8 desire to make shall be entered upon the deposition...with a statement of the reasons
9 given...for making them. Accordingly, to assist you in effecting corrections, please use the form below:
10

11 Page No. Line No. should read:

12
And the reason for the change is:
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14 Page No. Line No. should read:

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1 DEPOSITION OF WILLIAM M. EWING/FCB

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And the reason for the change is:
16

17 If supplemental or additional pages are necessary,
please furnish same in typewriting annexed to this
18 deposition.

19

20 WILLIAM M. EWING

21 Sworn to and subscribed before me,
this the day of , 1996.
22

Notary Public

My commission expires:

1

2

3 AMENDED CERTIFICATE

4

5 STATE OF GEORGIA:

6 COUNTY OF FULTON:

7 I hereby certify that in addition to

8 the certification made on Page 538 of the

9 transcript, more than 30 days provided the

10 deponent to read and sign the original

11 transcript has expired. Therefore, the

12 original is being filed without the signature

13 of the witness.

14 This, the day of , 1996.

15

16

17

18 Frances Buono, CCR-B-791
Certified Court Reporter
19 and Notary Public.

20

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2

3 AMENDED CERTIFICATE

4

5 STATE OF GEORGIA:

6 COUNTY OF FULTON:

7 I hereby certify that in addition to

8 the certification made on Page 538 of the

9 transcript, this deposition is being filed

10 pending the witness' right to review said

11 deposition within 30 days, which time has not

12 elapsed.

13 This, the day of , 1996.

14

15

16

17 Frances Buono, CCR-B-791
Certified Court Reporter
18 and Notary Public.

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1 UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK
2 ----------X
THE PORT AUTHORITY OF NEW YORK AND NEW
3 JERSEY (formerly known as "The Port of
New York Authority") and PORT
4 AUTHORITY TRANS-HUDSON CORPORTION,

5 Plaintiffs,

6 -against- 91 Civ. 0310
(CLB)
7
ALLIED CORPORATION (individually)
8 and as a Subsidiary of "ALLIED-
SIGNAL, INC."), et al.,
9
Defendants.
10 ----------X
UNITED STATES MINERAL PRODUCTS COMPANY
11 and DALEN (formerly Isolatek Corp.),

12 Third-Party Plaintiff,

13 -against-

14 TISHMAN REALTY AND CONSTRUCTION
CO., INC., et_ano,
— ——
15
Third-Party Defendants.
16 ----------X
June 24, 1996
17 10:10 a.m.

18 Deposition of FRANK GRILL, taken by

19 Defendant W.R. Grace & Company -

20 Connecticut, at the offices of Flemming

21 Zulack & Williamson, LLP, One Liberty

22 Plaza, New York, New York, before Eileen

23 M. Campbell, a Shorthand Reporter and

24 Notary Public within and for the State of

25 New York.

1 A P P E A R A N C E S:

2 CHRISTY GRUENLOH, ESQ.

3 Attorney for Plaintiff

4 The Port Authority of New

5 York & New Jersey

6 One World Trade Center, 68N

7 New York, New York 10048

8

9 FLEMMING ZULACK & WILLIAMSON, LLP.

10 Attorneys for Defendant W.R. Grace &

11 Company - Connecticut

12 One Liberty Plaza

13 New York, New York 10006-1404

14 BY: DEAN NICYPER, ESQ.,

15 Of Counsel

16

17 FLEMMING ZULACK & WILLIAMSON, LLP.

18 Attorneys for Defendant GAF Corp.

19 One Liberty Plaza

20 New York, New York 10006-1404

21 BY: CYNTHIA WATKINS, ESQ.,

22 Of Counsel

23

24

25

1 E X H I B I T S

2

3 DEFENDANT'S EXHIBITS GRILL:

1 E X H I B I T S (cont'd.)

2

3 DEFENDANT'S EXHIBITS GRILL:

4 EXHIBIT EXHIBIT PAGE

5 NUMBER DESCRIPTION

6 6 6/20/86 letter to Abe Friedman

7 from Larry Goldberg 182

8

9 I N D E X

10

11 EXAMINATION BY PAGE

12 Mr. Nicyper 6

13

14

15 INFORMATION AND/OR DOCUMENTS REQUESTED

16 PAGE LINE

17 121 25

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1 IT IS HEREBY STIPULATED AND AGREED
2 by and between the counsel for the
3 respective parties hereto, that the
4 filing, sealing and certification shall be
5 and the same are hereby waived;
6 IT IS FURTHER STIPULATED AND AGREED
7 that all objections, except as to the form
8 of the question, shall be reserved to the
9 time of the trial;
10 IT IS FURTHER STIPULATED AND AGREED
11 that the within deposition may be signed
12 before any Notary Public with the same
13 force and effect as if signed and sworn to
14 before the Court.
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25

1 F R A N K G R I L L,
2 residing at 4323 220th Street, Bayside,
3 New York 11361-3351, having been first
4 duly sworn by the Notary Public, was
5 examined and testified as follows:
6 EXAMINATION BY
7 MR. NYCIPER:
8 Q. Would you please state your full
9 name for the record.
10 A. My name is Frank Grill. What else
11 do you want to know?
12 Q. That's it.
13 Could you please state your current
14 residential address.
15 A. 4323 220th Street, Bayside, New
16 York.
17 Q. Mr. Grill, by whom are you
18 currently employed?
19 A. Parsons Brinckerhoff.
20 Q. I see on your card that you've just
21 handed me, Parsons Brinckerhoff Construction
22 Services, Inc. is it?

23 A. Right.

24 Q. Below that it says, "Terminal One

25 Project."

1 A. Yes. That's Terminal One Project
2 at the airport.
3 Q. At JFK Airport?
4 A. At JFK, yes.
5 Q. That's the project concerning I
6 guess what used to be Building 55, is that
7 correct, at JFK Airport?
8 A. It was the Eastern building. I'm
9 not sure. I don't want to guess at the number.
10 Q. It was the Eastern building?
11 A. Right.
12 Q. Are your responsibilities solely in
13 connection with that project --
14 A. Yes.
15 Q. -- or do you do other things for
16 Parsons Brinckerhoff?
17 A. No. Just that project.
18 Q. What are your responsibilities
19 regarding that project?
20 A. Reviewing the plans and
21 specifications, general administration of the
22 contracts and intervention with the Port

23 Authority insofar as submittals of drawings for

24 approval, for review.

25 Q. Your card has you identified as

1 project manager.
2 That's project manager for that
3 particular project?
4 A. Yes. There are several project
5 managers and there's a project director.
6 Q. For how long have you been employed
7 by them?
8 A. It will be one year at the end of
9 July.
10 Q. Did you have a chance to meet with
11 any attorneys for the Port Authority prior to
12 the deposition --
13 A. No.
14 Q. -- today?
15 A. No.
16 Q. You didn't have a chance to meet
17 with Ms. Gruenloh?
18 A. No.
19 Q. You didn't meet with any outside
20 attorneys or any in-house attorneys for the
21 Port Authority?
22 A. No.

23 Q. Have you spoken with anybody else

24 at the Port Authority aside from attorneys,

25 anybody else at the Port Authority regarding

1 this deposition?
2 A. No.
3 Q. Have you spoken with anybody at
4 your current employer regarding this
5 deposition?
6 A. I showed him this (indicating) and
7 told him I would not be in this morning.
8 Q. When you say "this," you're
9 referring to the subpoena?
10 A. Not the envelope, right.
11 Q. That's the subpoena for your
12 deposition?
13 A. Right, it's the subpoena, yes. I
14 circled the date and the place, so...
15 Q. Have you ever had your deposition
16 taken in any matter prior to today?
17 A. For this?
18 Q. For any case whatsoever.
19 A. Yes.
20 Q. On how many occasions have you been
21 deposed previously?
22 A. Once.

23 Q. Do you recall what the nature of

24 the case was?

25 A. It was an accident on a job site.

1 Q. Which job site is that?
2 A. It was a Pan Am job site at
3 Building 53.
4 Q. Building 53 at JFK Airport?
5 A. Yes.
6 Q. When you say "an accident," what
7 was the nature of the injury?
8 A. Someone fell off a scaffolding.
9 Q. Have you ever given any trial
10 testimony in any case?
11 A. No.
12 Q. Have you ever given any testimony
13 in any other type of legal proceeding?
14 A. No.
15 Q. Let me describe a little bit for
16 you what will take place today. I know you've
17 been deposed once before; but as you probably
18 understand, to your right is the court
19 reporter. She's taking down everything said
20 today, all questions asked and all answers
21 given. From that she will produce a
22 transcript, which will be a booklet of the

23 testimony, and you'll have an opportunity to

24 review that. That testimony can be used at

25 other proceedings in this case and at the trial

1 of this case.
2 Do you understand that?
3 A. Yes.
4 Q. One thing I'll ask you to do,
5 because the court reporter takes everything
6 down in written form, it's necessary to answer
7 audibly with a yes or no or whatever your
8 response may be.
9 Do you understand that?
10 A. Yes.
11 Q. I will try to ask my questions as
12 clearly as possible. I sometimes fail in that;
13 but if I do so, please tell me, and if you'd
14 like me to rephrase a question, I'll be happy
15 to do that.
16 A. I certainly will ask.
17 Q. Otherwise, if you answer the
18 question, I'll assume you had an understanding
19 as to what I asked.
20 Is that fair?
21 A. Yes.
22 Q. You received a subpoena in

23 connection with today's deposition; is that

24 correct?

25 A. Yes.

1 Q. Let me show you what I'll ask the
2 court reporter to mark as Exhibit 1. This is a
3 seven-page document for the subpoena for the
4 deposition of Mr. Frank Grill. You can take
5 whatever time you'd like to review that.
6 EXH (Defendant's Grill 1, subpoena with
7 attachment, was marked for
8 identification.)
9 (Witness peruses document.)
10 Q. Have you had a chance to review
11 Exhibit 1?
12 A. Yes, I did briefly.
13 Q. I notice you've pointed out there a
14 couple of pages on Exhibit 1 that are not on
15 the subpoena to you.
16 A. Right.
17 Q. I can represent to you that's what
18 is referred to as an Affidavit of Service that
19 identifies the person who served this on other
20 people in the case, so that's not something you
21 would receive.
22 I see you brought copies of the

23 subpoenas today. Do you mind if I have a look

24 at those.

25 (Witness hands documents.)

1 A. One was mailed and the other was
2 delivered.
3 Q. You received two copies, one by the
4 mail and the other hand-delivered; is that
5 correct?
6 A. Yes.
7 Q. I see you've highlighted certain
8 items on your copies; is that correct?
9 A. Right.
10 Q. If it's okay with you, what I'd
11 like to do is mark one of these as Exhibit 1-A.
12 Would that be all right with you? And if you'd
13 like to keep the original, I can have a copy
14 made at the break.
15 A. I haven't any objections.
16 Q. I don't know if you'd like to keep
17 these subpoenas for your own information in the
18 future.
19 A. No. I just don't want any
20 significance to be put on maybe me underlining
21 things and stuff like that. Is that clearly
22 understood? Because that's only the way I do

23 things.

24 Q. That's fine, and I'll ask you

25 questions about whatever significance that may

1 or may not have, so that's fine.
2 A. Right.
3 Q. When we have a break, what I'll do
4 is mark one of these as Exhibit 1-A, and I
5 don't think we need to mark both of those since
6 they both appear to have essentially the same
7 underlinings.
8 When you received the subpoena, did
9 you have an opportunity to review it, to read
10 it?
11 A. Yes. I was interested in knowing
12 what it was all about.
13 Q. I see you have some underlinings
14 here.
15 A. Right.
16 Q. Those are beginning on the
17 attachment to the subpoena, is that correct, on
18 page 2?
19 A. Right.
20 Q. You underlined some things in red
21 pencil; is that correct?
22 A. Right.

23 Q. All of those are under a section

24 called "Documents to be produced." Do you see

25 that?

1 A. Right.
2 Q. Did you have an opportunity to look
3 for any documents that might come within the
4 subject matter of the documents requested here?
5 A. I had an opportunity to, but I
6 didn't because I haven't any.
7 Q. You don't have any documents that
8 would be responsive to that?
9 A. No. Right.
10 Q. When you left the employ of Pan Am
11 and when you left the employ of Tower Air, you
12 didn't retain any documents concerning your
13 responsibilities?
14 A. No.
15 Q. Looking at page 2 of your copy of
16 the subpoena which we'll be marking as Exhibit
17 1-A, I notice you underlined various words,
18 including the date 1968. Do you see that?
19 A. Right. Yeah, to highlight those
20 areas, that was the important items, I guess
21 the dates and the buildings.
22 Q. The buildings are Building 53, 67

23 and 213. Do you see those?

24 A. Right.

25 Q. Are you familiar with those

1 buildings at JFK?
2 A. They're all Pan Am buildings, yes.
3 Q. At some point in time you worked
4 with Pan Am; is that correct?
5 A. From 1960 to 1993.
6 Q. On the last page, page 4, I see a
7 couple of handwritten notes. It looks like
8 somebody's name.
9 Could you read that?
10 A. This is the environmentalist
11 (indicating). May have mentioned --
12 THE WITNESS: Did you call me?
13 MS. WATKINS: We did, yes. I don't
14 think we mentioned any individuals.
15 THE WITNESS: Maybe not.
16 A. This was the environmentalist that
17 was involved in the 213.
18 Q. In the Building 213 project?
19 A. Yes.
20 Q. That's abatement of
21 asbestos-containing materials from Building
22 213?

23 A. Right.

24 Q. One thing, it might be helpful for

25 the court reporter if you can wait for a

1 question to be finished before you start
2 answering. It's easier to get everything on
3 the record.
4 That reference you're making here
5 is to Authentica Environmental; is that
6 correct?
7 A. Yes.
8 Q. You've handwritten that on page 4;
9 is that correct?
10 A. Right.
11 Q. Above that is an individual's name?
12 A. Right.
13 Q. It looks like Ann and the last name
14 is spelled A-t-k-a-b-o-w-s-k-i; is that
15 correct?
16 A. Right.
17 Q. Atkabowski?
18 A. Yes.
19 Q. What responsibilities did Ms.
20 Atkabowski have?
21 A. I reported to her at Tower Air.
22 Q. It looks like next to her name

23 you've written the words "VP operations"?

24 A. Right.

25 Q. Is she located at JFK Airport?

1 A. I don't know where she's located
2 now.
3 Q. At that time was she located at JFK
4 Airport?
5 A. Yes.
6 Q. Was she the most senior Tower Air
7 person located at JFK Airport?
8 A. No. The owner also was located
9 there.
10 Q. Does Tower Air have other
11 facilities other than at JFK Airport?
12 A. I'm not aware. I don't know.
13 Q. Is that something you would know
14 about if they did have such facilities?
15 A. No. Because I was only involved in
16 that particular project.
17 Q. You wouldn't have heard about any
18 other Tower Air --
19 A. No.
20 Q. Do you know if they have other
21 terminals in the United States?
22 A. I don't know.

23 Q. Never heard about any?

24 A. I know they fly to other locations,

25 but I don't know if they have terminals there.

1 They could just lease space, you know, counters
2 or...
3 Q. They fly to other locations in the
4 United States; is that correct?
5 A. Yes.
6 Q. Above those handwritten words, Item
7 10 on Exhibit 1-A asks for documents, and it
8 says "...sufficient to identify Tower Air,
9 Inc.'s officers, directors, principals,
10 employees and agents."
11 Do you see that?
12 A. Yes.
13 Q. You have that underlined; is that
14 correct?
15 A. Yes.
16 Q. Next to it you've an asterisk next
17 to the "officers" I see; is that correct?
18 A. Yes.
19 Q. Why did you do that?
20 A. Just to highlight it.
21 Q. I don't see that there are any
22 other asterisks on the document.

23 Is there some particular

24 significance you gave to that item?

25 A. No.

1 Q. Maybe the easiest thing to do at
2 this point is to try to proceed a little bit
3 through your background so I can get an
4 understanding of the sequence of events here.
5 It appears you've had various
6 involvement with various different facilities
7 and entities at JFK Airport, so it might be
8 helpful to get a full understanding of that.
9 Could you tell me your employment
10 background since high school -- I'm sorry. Why
11 don't we start with your educational background
12 since high school.
13 A. Pratt Institute, Brooklyn, New
14 York.
15 Q. Did you receive a degree from
16 Pratt?
17 A. Bachelor of Science in construction
18 management.
19 Q. What year was that?
20 A. '60 -- I don't recall. It was in
21 the early '60s, early, mid '60s. The mid '60s.
22 Q. Have you received any other degrees

23 since high school?

24 A. No.

25 Q. Have you taken any graduate

1 courses?
2 A. No.
3 Q. What was your first employment upon
4 graduating from Pratt Institute?
5 A. I was with Pan Am at the time.
6 Q. You were already employed by Pan
7 Am?
8 A. Yes.
9 Q. When did you begin your employment
10 with Pan Am?
11 A. January 1, 1960.
12 Q. Was that the first employment you
13 had?
14 A. No.
15 Q. Why don't I go back to my original
16 question then.
17 What is the first employment you
18 had since graduating from high school?
19 A. I believe, I believe it was U.S.
20 Testing of Hoboken located in Hoboken, New
21 Jersey.
22 Q. Do you know approximately what year

23 that was, or the year you graduated from high

24 school would be a...

25 A. I don't want to guess at it. I

1 don't know. I can tell you I got out of the
2 Service, I think it was in '53.
3 Q. Do you recall when you graduated
4 from high school?
5 A. No. No, I don't remember the year.
6 Q. What is your birthday?
7 A. 12/16/32.
8 Q. You were in the Service in the
9 early '50s?
10 A. '52 and '53. '52 -- I went in, I
11 believe it was '52, and I got out two years
12 after that.
13 Q. That would be approximately 1952 to
14 1954; is that correct?
15 A. Right.
16 Q. What did you do in the Service?
17 A. I drove a jeep, infantry.
18 Q. After you left the Service, you
19 went to U.S. Testing?
20 A. Yes, I believe so.
21 Q. What was the business of U.S.
22 Testing in Hoboken?

23 A. I was a concrete inspector.

24 Q. How long did you work at U.S.

25 Testing?

1 A. Two or three years.
2 Q. That would take us to approximately
3 1956 or 1957?
4 A. Right.
5 Q. In approximately 1956 or '57, what
6 employment did you take?
7 A. I worked for a group of architects
8 and engineers doing administrative work for the
9 construction of one of the hangers.
10 Q. What was the name of the
11 architectural firm?
12 A. Winston Churchill. If memory
13 serves me, it was Winston something Churchill.
14 Q. They did work for Port Authority
15 buildings?
16 A. No. This was design of the hanger
17 for Pan Am.
18 Q. Which hanger was that?
19 A. Hanger 14.
20 Q. Do you recall the names of the
21 architects who worked on that project?
22 A. The architects?

23 Q. Yes, the individuals.

24 A. No.

25 Q. You don't recall the names of any

1 individuals you worked with on that project?
2 A. No.
3 Q. To whom did you report?
4 A. I reported to a project manager,
5 who I don't recall his name. It was for a
6 period of about a year or two. And there were,
7 I believe, four engineers on a part-time,
8 full-time basis that represented the four
9 disciplines: Mechanical, electrical,
10 structural...
11 Q. What were your responsibilities
12 when working for the company Winston Churchill?
13 A. File plans, took notes, did chores
14 around the office insofar as researching
15 information, plans and specifications, things
16 of that nature.
17 Q. Were you out at the site?
18 A. Yes.
19 Q. Hanger 14 is a steel structure; is
20 that correct?
21 A. Reinforced concrete.
22 Q. It's all reinforced concrete?

23 A. Yes.

24 Q. When was Hanger 14 actually

25 constructed?

1 A. Must have been a year or two prior
2 to '60. They opened in I think mid '60s. I'm
3 not too sure of the month.
4 Q. Did you work on any other projects
5 during the period of time you worked for the
6 Winston Churchill firm?
7 A. No.
8 Q. For how long did you work for them,
9 approximately two years you said?
10 A. Approximately. That's a guess.
11 Q. That would take us up to
12 approximately somewhere between 1958 and 1960?
13 A. Right. Well, I started with Pan Am
14 January '60.
15 Q. That was upon leaving the firm
16 Winston Churchhill?
17 A. From there I went to work for a
18 short period of time for Corbetta Construction.
19 These were interim jobs.
20 Q. What were your responsibilities
21 with Corbetta Construction?
22 A. Assistant superintendent.

23 Q. On what project did you work?

24 A. Building 213 -- I'm sorry. 214.

25 Building 214.

1 Q. Again, that's at JFK Airport?
2 A. Yes.
3 Q. Or I guess what was at that time
4 called Idlewild Airport; is that correct?
5 A. Yes.
6 Q. Building 214, what use was that put
7 to?
8 A. It was an old jet engine overhaul
9 building.
10 Q. That was new construction at that
11 time?
12 A. Yes.
13 Q. What type of structure was that
14 building?
15 A. Steel frame.
16 Q. How many stories was the building?
17 A. Two stories but only, the second
18 story was only for a small-portion
19 administrative area.
20 Q. An office space?
21 A. Right, an office space.
22 Q. Do you recall that that steel

23 structure had spray-on fireproofing on it?

24 A. There were some portions, some

25 additions I believe had spray-on, yes.

1 Q. When you say "some additions," for
2 the original construction in approximately this
3 time, in 1960, none of that had spray-on
4 fireproofing on it?
5 A. Not to my knowledge.
6 Q. When were additions constructed
7 that included the use of spray-on fireproofing?
8 A. I don't remember the dates, but I
9 can tell you there were three, I believe there
10 were three extensions to the building.
11 Q. Approximate dates. Was it within a
12 couple of years of the original construction?
13 A. Yes.
14 Q. Did Corbetta Construction handle
15 those additions?
16 A. In that there was more than one
17 addition, I'm not a hundred percent sure they
18 did all of the two or three additions. I
19 believe they did, but I'm not certain.
20 Q. You know they did one?
21 A. Yes.
22 Q. At least one?

23 A. Right, yeah.

24 Q. Did you have an opportunity to be

25 at the site when the additions were being

1 constructed?
2 A. Yes.
3 Q. So you were still at Corbetta
4 Construction during that time?
5 A. Yes. I went from Corbetta
6 Construction to Pan Am.
7 Q. That was in 1960?
8 A. 1960. So '59 I was with Corbetta
9 Construction.
10 Q. The additions were already underway
11 or being constructed at the time you were with
12 Corbetta Construction; is that correct?
13 A. Repeat it.
14 Q. Were any of the additions already
15 being constructed while you were still with
16 Corbetta Construction?
17 A. Yes.
18 Q. Did you have an opportunity to
19 observe the project during the time that
20 spray-on fireproofing was being applied?
21 A. Yes.
22 Q. Do you know what type of

23 fireproofing was used?

24 A. No.

25 Q. When I say "type," is your response

1 meaning you don't know who the manufacturer of
2 that material was?
3 A. Right, I do not know.
4 Q. Aside from the manufacturer, did
5 you observe whether it was a cementitious type
6 material? Does that word have any significance
7 to you when it comes to spray-on fireproofing?
8 A. I've heard the term.
9 Q. Was the material used in this
10 Building 214, was that a cementitious or a
11 fibrous type of fireproofing?
12 A. I'm not certain. I don't know.
13 Q. Was it your understanding at that
14 time that it was an asbestos-containing
15 material?
16 A. I would say no.
17 Q. Do you recall one way or another?
18 A. No.
19 Q. Is it June in 1960 when you began
20 with Pan Am?
21 A. January.
22 Q. What position did you take when you

23 started with Pan Am in January 1960?

24 A. Technical assistant.

25 Q. What were your responsibilities as

1 technical assistant for Pan Am?
2 A. Keeping track of construction costs
3 for projects being run by others.
4 Q. When you say "run by others," who
5 are the others to whom you refer?
6 A. There was a department of 16
7 people, all involved in facility matters. Some
8 design, ticket offices around the world, clubs,
9 reservations.
10 Q. These are other people, then, who
11 are also employed by Pan Am?
12 A. Right, other Pan Amers.
13 Q. I see. So you kept track of
14 construction costs for projects being run by
15 other Pan Am employees?
16 A. Right.
17 Q. What department or division were
18 you in?
19 A. It was then called properties and
20 facilities.
21 Q. Where were you located?
22 A. Hanger 14.

23 Q. Was that Pan Am's primary office

24 facility at JFK Airport?

25 A. Yes, at that time. Yes.

1 Q. Where was its principal offices
2 nationwide at that time?
3 A. Chrysler Building.
4 Q. That's in New York City?
5 A. Yes.
6 Q. Were all of the projects on which
7 you kept track of construction costs, were they
8 projects at JFK Airport?
9 A. No.
10 Q. What projects, if any, at JFK
11 Airport did you keep track of construction
12 costs for?
13 A. Miscellaneous, small projects.
14 Q. What projects elsewhere did you
15 keep track of construction costs for?
16 A. Really around the world.
17 Q. Were these terminal constructions?
18 A. No. They were basically
19 reservation offices, commissaries, city ticket
20 offices, airport ticket office, things of that
21 nature.
22 Q. That was worldwide?

23 A. Yes.

24 Q. The facility that Pan Am had at

25 Hanger 14, then, obviously from what you're

1 saying, had responsibility for more than just
2 JFK buildings at that time?
3 A. Oh, yes. It was a system.
4 Q. When you say "a system," what do
5 you mean by that?
6 A. Properties department, Properties
7 and Facilities Department was responsible for
8 the real estate and construction system-wide.
9 At one time it was the Pacific and then the
10 Atlantic and then they merged. That's when I
11 joined them in '60. Then it was a department
12 that concerned itself with those affairs
13 worldwide.
14 Q. To whom did you report at that
15 time?
16 A. Karl Brook.
17 Q. Karl Brook?
18 A. Mr. Karl Brook.
19 Q. Is that spelled with a C or a K?
20 A. A "K."
21 Q. Was Mr. Brook head of the
22 Properties and Facilities Division?

23 A. He was second in command.

24 Q. For how long did you hold the

25 position technical assistant within the

1 Properties and Facilities Division?
2 A. I don't know. Approximately a
3 couple years. When I got my degree, I became a
4 project manager or whatever.
5 Q. Did Pan Am pay for your schooling
6 at Pratt Institute?
7 MS. GRUENLOH: Off the record.
8 (Discussion held off the record.)
9 Q. You ceased your position as
10 technical assistant in approximately 1962?
11 A. '62, yes.
12 Q. In approximately that time, what
13 position did you take? Were you still with Pan
14 Am?
15 A. Yes. I was continually employed
16 from '60 to '93.
17 Q. What position with Pan Am did you
18 take in approximately 1962?
19 A. Project manager.
20 Q. Had Pan Am sent you to school at
21 Pratt Institute in order to get the degree you
22 received?

23 A. No.

24 Q. You did that on your own?

25 A. Yes.

1 Q. Once you received that degree, that
2 made you eligible to be a project manager; is
3 that correct?
4 A. Yes.
5 Q. When you say "project manager," was
6 there a particular project you were working on
7 in approximately 1962 that you were manager of?
8 A. I do not recall any particular
9 projects. Most of the projects, though, were
10 related to work in the New York area as opposed
11 to ticket offices, et cetera, overseas.
12 Q. When you say "the New York area,"
13 is that broader than just JFK Airport?
14 A. It could have included LaGuardia.
15 It could have included maybe one or two
16 projects overseas that I prepared some drawings
17 for, but I did not travel.
18 Q. As project manager, what were your
19 responsibilities?
20 A. To see that drawings were prepared
21 either in-house, with in-house staff or outside
22 architects. Process those drawings through the

23 Port Authority for approval, to implement the

24 program, estimate costs and obtain financial

25 approval within the company for final

1 completion.
2 Q. In having drawings approved by the
3 Port Authority, what was the procedural route
4 you followed in order to get that done?
5 A. The procedure was to submit to the
6 Port Authority plans; if required,
7 specifications signed by the architect or
8 engineer who was doing the designing of that
9 particular project.
10 Q. This would be, Pan Am's architect
11 or engineer would sign that document?
12 A. Outside engineers.
13 Q. Did Pan Am have any of its own
14 in-house architectural staff?
15 A. Yes, but the people within the
16 department didn't prepare drawings for work
17 that required signing of professional engineers
18 at the airport. Those projects went out.
19 Unless it was to change a closet or something,
20 you know, decorating, our people would get
21 involved in that.
22 Q. Significant projects were handled

23 for Pan Am by outside architectural firms?

24 A. Yes.

25 Q. Do you recall to which department

1 at the Port Authority you submitted these types
2 of plans?
3 (Pause)
4 Q. Maybe I can help you out. Was
5 there a tenant liaison office?
6 A. Tenant liaison office, right. That
7 the letters were addressed to, right.
8 Q. Was there an individual in those
9 offices -- it wasn't the resident engineer
10 then?
11 A. No. It was the manager, airport
12 manager.
13 Q. It went through the airport
14 manager?
15 A. Right, office.
16 Q. Was it a business administration
17 division?
18 A. No. The business administration
19 division concerned itself -- I'm not a hundred
20 percent sure. Ninety percent sure that
21 business administration concerned themselves
22 with lease, documents of leasing.

23 Then the airport manager of

24 facilities is the department that the tenant

25 alteration applications are addressed to.

1 Q. Tenant alteration applications are
2 not necessarily only for alterations; is that
3 correct? It might even be for a new building
4 you'll submit a TAA?
5 A. Yes, it's for alteration, new
6 building, any construction.
7 Q. Do you recall a unit at the Port
8 Authority referred to as the Tenant
9 Construction Review Unit, TCRU?
10 A. Yes, but -- yes.
11 Q. Did they have anything to do with
12 review of Pan Am specifications or Pan Am plans
13 to your knowledge?
14 A. I would assume.
15 Q. Pan Am, however, if I understand
16 from your response, then, did not have direct
17 communications with that unit, but instead went
18 through the tenant liaison unit?
19 A. Yes, yes.
20 Q. Before I get too sidetracked, let
21 me continue going through your chronological
22 employment history.

23 For approximately how long were you

24 a project manager with Pan Am, which job you

25 took in 1962?

1 A. Up until '75.
2 Q. What department or division at Pan
3 Am were you in at the time you were project
4 manager?
5 A. Properties and facilities.
6 Q. How many other project managers
7 were there at that time?
8 A. I'm not certain. I would say,
9 depending on what period, three to five or six,
10 in that area. Because some were considered
11 designers, others engineers. The titles vary.
12 Q. In approximately 1975, what
13 position did you take with Pan Am?
14 A. I went into the Pan Am Building as
15 director of facilities.
16 Q. Prior to 1975, were you located at
17 JFK Airport the entire time?
18 A. Yes.
19 Q. Was it always at Building 14, or
20 did you move during that period?
21 A. I believe it was always at Building
22 14, yes.

23 Q. And then in 1975, you moved to the

24 Pan Am Building --

25 A. Yes.

1 Q. Otherwise, what you referred to
2 earlier as the Chrysler Building in New York
3 City; is that correct?
4 A. No. The Pan Am Building was the
5 Pan Am Building.
6 Q. This is the Pan Am Building right
7 next to Grand Central Station; is that correct?
8 A. Right.
9 Q. What were your responsibilities as
10 director of facilities?
11 A. I was responsible for the services
12 and subleasing program that took place in the
13 Pan Am Building. Services meaning mail,
14 archive, office, contract...
15 (Pause)
16 A. Executive clearances, translation.
17 Q. This all concerned services
18 provided in the Pan Am Building itself?
19 A. Yes.
20 Q. Your responsibilities did not
21 concern other buildings at that time?
22 A. It concerned other buildings

23 insofar as sublet space. We had other spaces

24 in mid Manhattan that we sublet, you know, to

25 others.

1 Q. Did you have any responsibilities
2 during the time you were director of facilities
3 for any building at JFK Airport?
4 A. During that period?
5 Q. Yes.
6 A. No.
7 Q. The second area, you said, of your
8 responsibilities involved a subleasing program.
9 That's subleasing of space within
10 the Pan Am Building?
11 A. Inside the Pan Am Building, right.
12 Just monitored.
13 Q. What do you mean, "just monitored"?
14 A. Well, collecting of rent, things of
15 that nature. I didn't negotiate spaces or the
16 cost of that.
17 Q. When was the Pan Am Building
18 constructed?
19 A. I don't know.
20 Q. For how long were you director of
21 facilities?
22 A. I left in -- ten years. '75 to

23 '85.

24 Q. What position did you take in 1985?

25 A. Took the position of director,

1 design and construction.
2 Q. As director of facilities were you
3 still in the Properties and Facilities Division
4 or Department?
5 A. Yes, but it changed from properties
6 and facilities, and I'm not too sure what
7 period that was or what date, to Corporate Real
8 Estate.
9 Q. As director of design and
10 construction, the position you took in 1985,
11 what department or division at Pan Am were you
12 in at that time?
13 A. That was Corporate Real Estate, I
14 believe.
15 Q. What were your responsibilities as
16 director of design and construction?
17 A. To, again, see that costs were
18 established for projects that the corporation
19 needed, projects --
20 Q. When you say costs for projects,
21 you're talking about estimating costs for
22 future projects?

23 A. Right, estimating costs for

24 projects and just define those costs in part

25 for facilities that the corporation thought

1 they needed.
2 Q. Was there any limitation with
3 respect to region or location that your
4 responsibilities covered, or was that
5 nationwide or worldwide?
6 A. I primarily got involved in
7 projects at the airport. However, I had a
8 staff that did projects overseas. To some
9 extent, I was responsible for their
10 performance.
11 Q. When you say primarily your
12 responsibilities concerned the airport, again
13 you're referring to JFK Airport?
14 A. Yes.
15 Q. For how long a period of time were
16 you director of design and construction?
17 A. Until I left in '93.
18 Q. At that time you retired from Pan
19 Am?
20 A. They retired me.
21 Q. Just so the record is clear, at
22 that time did Pan Am go into bankruptcy?

23 A. I believe so, yes.

24 Q. Do you receive any benefits from

25 Pan Am in any way since their bankruptcy?

1 A. I'm receiving a pension.
2 THE WITNESS: Off the record.
3 MR. NICYPER: Yes.
4 MS. GRUENLOH: Off the record.
5 (Discussion held off the record.)
6 Q. Just off the record you were just
7 explaining you believe that comes from the
8 Pension Guarantee Corporation; is that correct?
9 A. Yeah.
10 Q. Did you have any involvement
11 whatsoever in the Pan Am bankruptcy? By
12 "involvement," I mean administratively or
13 handling any affairs directly related to the
14 bankruptcy.
15 A. For a period of time, I assisted in
16 selling assets.
17 Q. Would those include assets at JFK
18 Airport?
19 A. Yes.
20 Q. What position did you take in 1993?
21 A. After I left Pan Am?
22 Q. After you left Pan Am.

23 A. I went to work for Tower Air.

24 Q. Do you recall when in 1993 that

25 was?

1 A. I believe it was March '93.
2 Q. I see you have a little note pad
3 that has some of these dates on it.
4 Do you recall how you refreshed
5 your recollection regarding those dates? Do
6 you have a calendar, or do you have something
7 that you used to remind yourself?
8 A. My wife assisted me this morning
9 looking on our tax returns. But I remember it
10 was in March of '93.
11 Q. What position did you take with
12 Tower Air in March 1993?
13 A. I took a position to monitor their
14 construction project at JFK.
15 Q. Did you have a title or were you
16 given a title?
17 A. No.
18 Q. When you say "monitor their
19 construction project at JFK," you're referring
20 to what previously was a Pan Am, originally a
21 terminal building, turned into an office and
22 storage building and was now being converted

23 back to a terminal building for Tower Air; is

24 that correct?

25 A. Right.

1 Q. That was Building 213?
2 A. Yes.
3 Q. Tower Air was undertaking
4 renovation in Building 213 at that time?
5 A. Yes.
6 Q. Was that one of the assets that you
7 were assisting in selling in connection with
8 the Pan Am bankruptcy? Building 213 I'm
9 referring to now.
10 A. Could you explain "sell." I got
11 involved in selling the furniture that was
12 within that building, but had nothing to do
13 with the building itself or lease agreement or
14 anything of that nature.
15 Q. Who handled that?
16 A. A --
17 Q. The lease agreement I'm referring
18 to.
19 A. In that, most probably there were
20 many, many attorneys involved in that. I can't
21 give you any names, but a gentleman, Peter
22 Dugre, who was the head of our Properties and

23 Facilities Department, I imagine would have

24 gotten involved to some extent or could have

25 gotten involved to some extent.

1 Q. Where did Mr. Dugre go after the
2 Pan Am bankruptcy, do you know?
3 A. I don't know. He may still be
4 there. I don't know.
5 Q. He may still be --
6 A. With Pan Am.
7 Q. -- resolving the liquidation of
8 assets?
9 A. Right.
10 Q. For how long were you with Tower
11 Air?
12 A. As an employee, nine months.
13 Q. You say "as an employee." Was
14 there some other capacity in which you
15 continued to work with Tower Air?
16 A. I worked on a consultant basis.
17 Q. For how long did you provide
18 consulting services to Tower Air?
19 A. From 2/94 to 7/95.
20 Q. Again, were your responsibilities
21 essentially the same as those which you had had
22 to monitor the construction project at JFK 213?

23 A. Generally speaking, yes.

24 Q. In July 1975, what position did you

25 take?

1 A. I joined Parsons Brinckerhoff.
2 Q. I'm sorry. Let me correct the
3 transcript on that. July 1995. In July
4 1995 --
5 A. Yes.
6 Q. -- that's when you started with
7 Parsons Brinckerhoff?
8 A. Yeah, July 31, yes.
9 Q. How did you come to hold that
10 position? Did you go and talk to the TOGA One
11 people, or did they come to you?
12 A. It was both. I was networking, and
13 I had called the gentleman I report to now.
14 And some time went by, and I guess he had a
15 conversation with someone and says, well, what
16 about Frank Grill, and he called me.
17 Q. Who is it that you report to now?
18 A. A Mr. Bill Snowden.
19 Q. Is Mr. Snowden at TOGA, or is he at
20 Parsons Brinkerhoff?
21 A. Parsons Brinkerhoff.
22 Q. Does Parsons Brinkerhoff handle

23 responsibilities other than the TOGA project,

24 or is that their exclusive responsibility at

25 this time?

1 A. I believe Terminal One is TOGA's
2 only responsibility, yes.
3 Q. Aside from TOGA, though, does
4 Parsons Brinkerhoff provide service for any
5 building other than Terminal One?
6 A. Oh, they're a large engineering
7 firm, yes, which I've just learned about.
8 Q. Mr. Snowden works for Parsons
9 Brinkerhoff currently; is that correct?
10 A. Yes.
11 Q. Is there a separate group that
12 focuses on the Terminal One Project? Separate
13 group within Parsons Brinkerhoff I'm talking
14 about.
15 A. Repeat the question. I don't think
16 so, no. We're the only group of people from
17 Parsons Brinkerhoff that concerns ourselves in
18 this capacity. There's the engineers. There's
19 the construction manager. There's financial
20 people and et cetera.
21 Q. My question was not clear, and I
22 appreciate your question regarding it.

23 Within Parsons Brinkerhoff, there

24 is a certain group of people who are dedicated

25 to this project solely; is that correct?

1 A. Yes.
2 Q. Does that group have a title within
3 Parsons Brinkerhoff?
4 A. Not to my knowledge.
5 Q. Mr. Snowden, did he previously work
6 for Pan Am?
7 A. No.
8 Q. Did he previously work for anybody
9 at the airport prior to taking on this project?
10 A. I believe he worked for Delta
11 Airlines. I believe -- I know he worked for
12 Delta Airlines.
13 Q. The Terminal One Group Association,
14 as it's called, which is where the acronym
15 "TOGA" comes from; is that correct?
16 A. Yes.
17 Q. That's a group of airlines; is that
18 correct?
19 A. Yes.
20 Q. Is it a joint venture to your
21 knowledge?
22 A. I don't know the legal definition

23 of joint venture, so let me not get involved in

24 things I don't know about. There are four

25 airlines.

1 Q. Which are the four?
2 A. Japan Airlines, Korea, Air France,
3 and Lufthansa.
4 Q. What is the current status of that
5 project, the Terminal One Project?
6 A. Piles and pile caps are 90 percent
7 complete.
8 Q. The old Building 55 has been
9 demolished?
10 A. Yes.
11 Q. Is there any part of that structure
12 that still stands?
13 A. Not to my knowledge.
14 Q. So they've put in the piles for the
15 support structure for the new building?
16 A. Yes.
17 Q. Who are the individuals at TOGA
18 itself who handle its responsibilities? Who's
19 the head of TOGA? Is there an individual who's
20 the president of the Terminal One Group
21 Association?
22 A. Gentleman's name is, I believe,

23 Deider Berk (phonetic). I don't know how to

24 spell it.

25 Q. Deider?

1 A. Berk.
2 Q. Berk?
3 A. Yes. And he's with Lufthansa.
4 Q. He's with Lufthansa but heads the
5 association?
6 A. Yes, right.
7 Q. Who else, to your knowledge, works
8 within the association, the TOGA association?
9 A. Alain Content with Air France.
10 Q. Could you spell that for the
11 record?
12 A. A-l-a-i-n C-o-n-t-e-n-t.
13 Q. Is there anybody else you're
14 familiar with that works within the association
15 referred to as TOGA?
16 A. There are two other gentlemen. One
17 is representing Korea Airlines, and the other
18 is Japan Airlines. Unfortunately, I don't know
19 their names or their names slip me.
20 Q. Who within TOGA, if you know,
21 handled responsibility for the lease
22 negotiations with the Port Authority?

23 A. I don't know.

24 Q. Does TOGA maintain its own offices?

25 A. There's an office, Hanger 14 -- or

1 Building 14.
2 Q. At Building 14?
3 A. Yes.
4 Q. Building 14 at JFK is the Port
5 Authority administration building; is that
6 correct?
7 A. Yes.
8 Q. Do you know approximately how large
9 TOGA's offices are within that building?
10 A. Fifteen hundred square feet. I'm
11 guessing.
12 Q. Approximately how many individuals
13 work in that office to the best of your
14 knowledge from having been there?
15 A. Seven, eight people.
16 Q. Does that include clerical staff?
17 A. Yes.
18 Q. That includes professionals as well
19 as clerical staff?
20 A. Right.
21 (Pause)
22 A. Maybe that's 11 people.

23 Q. Including clerical staff?

24 A. Yes.

25 Q. Your best estimate, how many of

1 those are clerical people and how many of them
2 are professionals?
3 A. Two to three clerical. You say
4 "professional," are you talking -- you know,
5 when you say "professional," I think of
6 professional architect or this, that and the
7 other thing, and I don't know how many --
8 Q. I see. There were two or three
9 clerical, and the others are not clerical?
10 A. Right. Okay. Right.
11 Administrative.
12 Q. Does Mr. Berk work in that office?
13 A. He visits. He hasn't got a
14 full-time office there.
15 Q. The same with Alain Content?
16 A. No. Alain Content has an office
17 and he's there every day.
18 Q. What are his responsibilities to
19 your knowledge?
20 A. Alain Content is chief property
21 officer.
22 Q. Do you know whether those

23 responsibilities include lease negotiations?

24 A. I don't know.

25 Q. Are you familiar with an individual

1 named Paul Demkovitch?
2 A. Yes.
3 Q. Does he work at the TOGA office
4 also?
5 A. They have separate offices. They
6 do not work in the same office that we're in.
7 Q. When you say "we're in," is your
8 office at Building 14 now?
9 A. Yes. It's in an adjacent office or
10 it's another office that's separated, okay, by
11 other tenants.
12 Q. Those are offices of Parsons
13 Brinkerhoff?
14 A. Right.
15 Q. Those are separate offices you've
16 described regarding TOGA; is that correct?
17 A. The TOGA and the Parsons
18 Brinkerhoff office, one office. Demkovitch is
19 in this office (indicating), which is separated
20 by 40, 50 feet. It's a separate office.
21 Q. He's 40, 50 feet down the hall?
22 A. Yes.

23 Q. The 11 people you discussed working

24 for TOGA in Building 14, do those include

25 Parsons Brinkerhoff people?

1 A. Yes.
2 Q. Did you mean to include in that Mr.
3 Demkovitch as well?
4 A. No.
5 Q. They have another office in
6 Building 14?
7 A. Yes.
8 Q. Approximately how many people work
9 in that office?
10 A. Two or three. I do not believe
11 they're there on a regular nine to five basis.
12 I'm not certain though.
13 Q. If we wanted to speak to somebody
14 at TOGA regarding lease negotiations, who would
15 be the best person to talk to?
16 A. Deider Berk; Mr. Content; or AAP,
17 Airport and Airline Professionals.
18 Q. Who is AAP?
19 A. That's Mr. -- you just said his
20 name. Paul.
21 Q. Mr. Demkovitch?
22 A. Yes.

23 Q. He works for a consulting firm?

24 A. Yes.

25 Q. That's a consulting firm that TOGA

1 has retained in connection with this project?
2 A. Yes.
3 MR. NICYPER: This might be a good
4 time to take a break.
5 (Recess taken.)
6 EXH (Defendant's Grill 1-A, subpoena
7 with highlighting, was marked for
8 identification.)
9 Q. The card you handed me a minute ago
10 states on it "Parsons Brinkerhoff Construction
11 Services, Inc., Terminal One Project, JFK
12 Airport Building 14, Suite 11, Jamaica, New
13 York 11430, and there is a number here,
14 718-632-2790.
15 Is that your direct number there?
16 A. 2790 is the number, right. No,
17 it's not a direct number. It's an office
18 number.
19 Q. It's an office number for Parsons
20 Brinkerhoff?
21 A. For TOGA.
22 Q. Where is Parsons Brinkerhoff's main

23 offices, if there are?

24 A. It's on 31st Street and -- 31st or

25 32nd Street by Penn Station.

1 Q. In Manhattan?
2 A. In that area. I don't know. It
3 may be One Penn Plaza, but I don't want to
4 guess.
5 Q. If I could, I'd like to focus for a
6 bit of time on your responsibilities beginning
7 in 1962 to 1975 as project manager in the
8 Properties and Facilities Department.
9 What projects did you work on in
10 that period of time? Let me ask it more
11 broadly. What -- no. Let's keep it at that.
12 What projects did you work on during that
13 period, 1962 to 1975, as project manager?
14 A. '62 to '75, right?
15 Q. Yes, during the period of time you
16 were project manager.
17 (Pause)
18 A. Off the record.
19 Q. We can keep it on the record.
20 A. You have to give me a moment.
21 Q. That's fine. Take as much time as
22 you need.

23 (Pause)

24 A. I worked on projects establishing

25 shops in Hanger 14; Hanger 17; Hanger 16;

1 extensions of Building 214; construction of a
2 small cargo facility, prefab.
3 Q. Did that have a building number?
4 A. No, I don't remember. I believe it
5 was A1, but this goes back.
6 Renovation to a commissary.
7 Q. Where was the commissary located?
8 A. Building 14.
9 In addition to monitoring, continue
10 to monitor the costs for these other projects
11 there.
12 Q. Did you have any responsibility in
13 any construction during that period of time
14 concerning Building 213 at JFK?
15 A. No.
16 Q. Were you located at Building 213?
17 No, you were located in Building 14?
18 A. Building 14, Hanger 14.
19 Q. At any time were you located at the
20 offices at Building 213?
21 A. We had temporary offices there, and
22 it may have been for nine months. What period,

23 I don't know.

24 Q. Did you have any responsibilities

25 in any way with any construction work done at

1 Building 53 during this period of time, 1962 to
2 1975?
3 A. Not that I'm aware of.
4 Q. You were not involved in the large
5 expansion project for the Pan Am Worldport?
6 A. The Pan Am Worldport, no, I was
7 not.
8 Q. Who handled that?
9 A. There was an engineer by the name
10 of James Queen who handled that. In part who
11 handled that project. There were many others.
12 Q. Did you have any involvement in any
13 construction or renovation projects during this
14 period, 1962 to 1975, at Cargo Building 67.
15 A. I don't believe so, no.
16 Q. Did you do any cost estimating for
17 the projects at Building 213, Building 67 and
18 Building 53?
19 A. During that period?
20 Q. During that period.
21 A. I do not believe so.
22 Q. Who would handle the cost

23 estimating for that?

24 A. Other project engineers we had.

25 Q. Your cost estimating

1 responsibilities did not necessarily concern
2 monitoring all construction projects for Pan
3 Am; you just had a certain portion designated
4 to you?
5 A. There were certain projects that I
6 personally handled, projects that others
7 handled, and it was just a review, a monthly
8 review as to how the projects were going. That
9 was strictly an administrative...
10 Q. I'd like to switch periods, if I
11 could. During the period 1985 to 1993, during
12 which time you were director of design and
13 construction within the Corporate Real Estate
14 Department, during that period of time, did you
15 have any responsibilities that concerned
16 Building 213?
17 A. No.
18 Q. When you took over with Tower Air
19 in March 1993, you had not had any previous
20 experience with Building 213?
21 A. Not that I recall, no.
22 Q. Do you recall why it was that Tower

23 Air asked you to get involved in that project

24 at that building at that time?

25 A. They didn't ask me. I was looking

1 for employment.
2 Q. Were you familiar with that
3 building?
4 A. I was familiar with the building in
5 that it was there and that Pan Am had occupied
6 it, in that Pan Am had built it for a terminal
7 building for the San Juan arrival flights. I
8 was aware that they converted it to an office
9 building for the purchasing department, which I
10 had not gotten, obviously not gotten involved
11 in that alteration or whatever. So I was aware
12 to that extent.
13 Q. You had not been familiar with
14 building plans prior to 1993?
15 A. No, I didn't get involved in the
16 planning of that or the construction of that or
17 even the conversion of that.
18 Q. During the period 1985 to 1993,
19 when you were director of design and
20 construction in the Corporate Real Estate
21 Department, did you have any responsibilities
22 at all with respect to Building 67, the cargo

23 building?

24 A. Minimal. We weren't doing any work

25 at that, at that period of time. Minimum.

1 Q. You don't recall doing work during
2 that period of time?
3 A. Right, no, I don't recall.
4 (Pause)
5 A. The only project I got involved in,
6 I believe I solicited proposals, and I'm not
7 certain of this because I don't think anything
8 ever happened with it, but I think I had gotten
9 involved in getting proposals for some
10 abatement. That's Cargo 67.
11 Q. Yes, Cargo Building 67.
12 A. Right.
13 Q. You were involved to some extent in
14 getting proposals for asbestos abatements?
15 A. Right.
16 Q. Do you recall how many asbestos
17 abatements there were?
18 A. It was only one area.
19 Q. What area of the building was that?
20 A. It was the receiving dock or a
21 portion of the receiving dock.
22 Q. Do you recall what type of material

23 was being abated? Was it pipe insulation or

24 tile?

25 A. No. It was on steel, fireproofing

1 of steel.
2 Q. Fireproofing on steel?
3 A. Yeah.
4 Q. Do you recall how many abatements
5 there were that you were involved in?
6 A. It was just one area that was in
7 question.
8 Q. Single abatement project?
9 A. What?
10 Q. A single abatement project?
11 A. Yes.
12 Q. During this same period of time,
13 1985 to 1993, did you have any responsibilities
14 whatsoever with respect to Building 53?
15 A. Yes.
16 Q. What were your responsibilities
17 regarding Building 53 during this time period?
18 (Pause)
19 A. Upgrading of the gate lounges;
20 creating a business class lounge, VIP lounge;
21 office alterations; expansion of the customs
22 and immigration processing areas, and baggage

23 claim.

24 Q. Is this renovating the baggage

25 claim area?

1 A. Expanding.
2 Q. Anything else you can think of, or
3 is that the only activities you recall during
4 that time period with regard to Building 53?
5 A. That was basically it.
6 Q. Shifting back in time again, going
7 back to the period 1962 to 1975, do you recall
8 that the Worldport Building underwent a
9 significant expansion project during that
10 period of the late '60s, early 1970s? Again,
11 Building 53 I'm referring to.
12 A. What dates are we talking about?
13 From '60 to?
14 Q. Right now we're just looking at
15 your job when you held the position from 1962
16 to 1975 as project manager for certain
17 projects, and I know you said you didn't work
18 on this project, but I'd like to focus a little
19 bit, if I could, on the Worldport expansion
20 project.
21 Do you recall that there was a
22 significant project conducted during the late

23 '60s and early 1970s in Building 53?

24 A. Right.

25 Q. I believe you identified one

1 individual who was responsible for that, a
2 James Queen?
3 A. Queen, right.
4 Q. What was his title?
5 A. I believe it was project manager.
6 Q. Did he work in the same office you
7 did?
8 A. We worked in the same office, yes.
9 However, there was a period of time that he
10 maintained an office at the site.
11 Q. At the Worldport site, Building 53
12 site?
13 A. Yes.
14 Q. He was also in the Properties and
15 Facilities Division?
16 A. Yes.
17 Q. Do you know if he was at Pan Am
18 when you left in 1993?
19 A. Oh, no. I'm sorry. No, no.
20 Q. Do you know when he left the
21 employment of Pan Am?
22 A. No, I don't. But it was early on

23 in the period of Pan Am reducing forces. I

24 don't remember.

25 Q. Do you know where he went when he

1 left Pan Am?
2 A. He went to Intercontinental Hotels.
3 Q. Do you know whether he's still with
4 them today?
5 A. No. He's passed away.
6 Q. Who worked with Mr. Queen on that
7 project within Pan Am?
8 A. Mr. Brook.
9 Q. That's Karl Brook?
10 A. Yes.
11 Q. I'm sorry. His responsibilities
12 again?
13 A. He had overall responsibility
14 underneath the vice president of Properties and
15 Facilities, and I don't know when that took
16 place because, as you know, there was a
17 transition where the title "manager" was a
18 large title and then became assistant vice
19 president and vice president, so these titles
20 changed. But the basic responsibility of the
21 individual, you know, remained the same.
22 Q. Did Mr. Queen report to Mr. Brook?

23 A. Yes.

24 Q. Was Mr. Brook located at

25 Building 14?

1 A. Yes.
2 Q. Was Mr. Brook still with Pan Am
3 when you left in 1993?
4 A. Oh, no, no.
5 Q. Do you recall when Mr. Brook left
6 Pan Am?
7 A. No, I do not.
8 Q. Do you have any idea where he
9 resides today or were he's employed today?
10 A. No.
11 Q. Do you recall any individuals who
12 reported to Mr. Queen on this project?
13 A. No.
14 Q. What was Pan Am's structure in
15 terms of project manager and overseeing a
16 project such as this? What types of people did
17 Pan Am employ on these projects, and what types
18 of responsibilities did they have?
19 A. The type of people. Some had
20 airline experience in reservations, in
21 marketing, in operations.
22 Q. In a project such as this, what is

23 the value of having somebody in reservations

24 get involved with an expansion construction

25 project such as Building 53?

1 A. Oh, the planning or the input and
2 the requirements. There's not only one person.
3 There's a group of people that give input to
4 the project.
5 Q. So this is at the planning stage?
6 A. Right.
7 Q. In connection with the actual
8 construction itself, did Pan Am hire a
9 contractor to handle this project? Building 53
10 I'm talking about.
11 A. Yes.
12 Q. Do you recall who the contractor
13 was?
14 A. No.
15 Q. Do you recall, did it retain an
16 outside architectural firm to undertake this
17 project?
18 A. I believe it was TAMS, Tibbits
19 Abbot McCarthy & Strutten, I believe.
20 Q. Do you recall that, in fact, the
21 Corbetta firm was the contracting firm on this
22 project, was the general contractor?

23 A. No, I don't recall that. I can

24 tell you Corbetta was, I believe was the

25 contractor for Hanger 14.

1 Q. Did you know a contracting firm
2 referred to as Humphreys & Harding?
3 A. Yes. Yes, I know, yes.
4 Q. Do you know whether they worked on
5 this project, the Building 53 expansion?
6 A. Not to my knowledge.
7 Q. Prior to the expansion, what was
8 the existing facility at Building 53?
9 A. It was the umbrella building, as
10 they called it.
11 Q. If you go to JFK, it's a large
12 disk-shaped --
13 A. Right.
14 Q. -- over-top, and the building was
15 underneath it?
16 A. Cantilever roof, right.
17 Q. When was that original building
18 constructed to your knowledge?
19 A. It was somewhere in the early '60s.
20 Q. In 19 --
21 A. Mid. Early, mid '60s.
22 Q. In the late '60s, the project we're

23 talking about, what was actually added to that

24 building, to that original construction

25 project?

1 A. I'm guessing, there's approximately
2 seven gates. Seven gates were added.
3 Q. Two large wings were added; is that
4 correct?
5 A. It really wasn't a wing. It was an
6 extension of the umbrella building but not --
7 it was a wing in one general sense, but it was
8 a rectangular, pie-shaped combination of both
9 sides of the building.
10 Q. Almost a triangular building coming
11 off of the --
12 A. Yes, right.
13 Q. They added at that point gates you
14 say?
15 A. There were six or seven gates.
16 There was a, there was jetways; immigration and
17 customs arrivals area; conveyor systems; two
18 first class lounges, one at concourse level,
19 the other at the third level; administrative
20 offices. Basically that's it.
21 Q. When was the project complete to
22 your knowledge?

23 A. I don't know, I don't remember when

24 it was complete.

25 Q. Do you recall that there was a

1 general contractor that was retained by Pan Am
2 to undertake this project?
3 A. Name doesn't come to me. I just
4 don't remember.
5 Q. Aside from the name but, in fact,
6 they did hire an outside contracting firm?
7 A. Right.
8 Q. They didn't act as their own
9 general contractor, Pan Am did not?
10 A. Right. It may have been, and I'm
11 not sure of this, Turner Construction.
12 Q. Do you recall any individuals at
13 whatever contracting firm, any individuals who
14 worked at that project for the contractor, the
15 general contractor?
16 A. No, I do not.
17 Q. Did you ever have occasion to go
18 out to that project during its construction?
19 A. I most probably did, yes.
20 Q. Do you recall that it was a steel
21 structure?
22 A. I believe. I didn't go out there

23 as a routine. It was, you know, once a year or

24 whatever, a sight-seeing.

25 Q. Did you see the steel structure

1 project when you went out?
2 A. I can't say that I recall, no.
3 Q. In that system of construction
4 where Pan Am hires a general contractor, what
5 responsibilities does Pan Am take on itself to
6 oversee the construction project itself? Does
7 it monitor the contractor?
8 A. I cannot speak for this specific
9 project.
10 Generally the airlines have a
11 representative on the airline's payroll to
12 watch projects. And they have the engineers
13 that have to sign off on these projects,
14 responsibility to see that compliance, complies
15 to codes, rules and regulations and the New
16 York City building code, et cetera.
17 Q. Are these Pan Am engineers you're
18 talking about --
19 A. No.
20 Q. -- or are these outside firms?
21 A. Outside firms that are hired to
22 design, right.

23 Q. How does Pan Am itself, though,

24 oversee all of its consultants that it retains

25 in these projects?

1 A. The project manager, Mr. Queen.
2 Q. Were there others within Pan Am who
3 work for him who monitor the construction or
4 the engineering?
5 A. In that case, in Mr. Queen's case,
6 I believe there were others in the department
7 that assisted him, yes.
8 Q. Do you recall any of their names?
9 A. No.
10 Q. You can't recall any as you sit
11 here today?
12 A. Charles Boll.
13 Q. Charles Boll?
14 A. Right. B-o-l-l. I don't recall
15 the names of the other people.
16 THE WITNESS: Excuse me.
17 (Recess taken.)
18 Q. You recall the name Charles Boll as
19 being an individual who had some responsibility
20 in connection with the Building 53 expansion in
21 the '69 to '72 period.
22 A. Right.

23 Q. What were Mr. Boll's

24 responsibilities?

25 A. Mr. Boll is a mechanical engineer.

1 I think he concerned himself with mechanical
2 aspects of the building conveyor systems.
3 Q. Did Pan Am have any structural
4 engineers that worked on that project?
5 A. In-house?
6 Q. Yes, in-house.
7 A. In-house, I believe Jim Queen. I'm
8 not sure if it was structural, civil
9 engineering, his background. I don't know if
10 he was licensed in New York.
11 Q. Did Pan Am have any other
12 structural engineers other than Mr. Queen
13 generally when they worked on this project or
14 not?
15 A. Not to my knowledge, no.
16 Q. Did Pan Am have any in-house civil
17 engineers other than Mr. Queen that worked on
18 any project?
19 A. If we're using the term "engineer"
20 as being a licensed New York engineer, no.
21 Q. How about nonlicensed?
22 A. But engineering background, yes.

23 Q. Do you recall any of their names?

24 A. A Bill Grace, or William Grace.

25 Q. Was he employed during that period

1 of time, 1960s, 1970s?
2 A. From '60 on. I don't know when he
3 left.
4 Q. Do you know whether he had any
5 responsibilities one way or another regarding
6 Building 53?
7 A. He could have had responsibility
8 insofar as aircraft movement and pavement.
9 That was his specialty.
10 Q. Did Pan Am have any in-house
11 architectural engineers, architectural
12 designers or architectural engineers?
13 A. No. I say no, to the best of my
14 knowledge.
15 Q. You don't recall any?
16 A. No.
17 Q. That's on any project during this
18 period of time; is that correct?
19 A. Right.
20 Q. Do you have any knowledge with
21 respect to who at the Port Authority had
22 communications with Pan Am regarding the

23 Building 53 expansion project in the late '60s,

24 early '70s?

25 A. No.

1 Q. Who was the general manager at JFK,
2 airport manager for the Port Authority at that
3 time?
4 A. I don't recall. A Mr. Ike
5 Dornfeld, and I don't remember what -- I
6 believe at one portion of time, he was general
7 manager, I believe. But I don't know what
8 period it was.
9 Q. Do you recall a Morris Sloan?
10 A. Yes.
11 Q. He was general manager at some
12 point in time?
13 A. Yeah.
14 Q. Mr. Dornfeld at some point in time
15 was also head of the Plant and Structures
16 Division at the Port Authority --
17 A. Yeah, I remember his name.
18 Q. -- in connection with the JFK
19 activities?
20 A. Right, JFK activities.
21 Q. Do you recall an individual by the
22 name of William Spain?

23 A. The name is familiar, but I don't

24 recall. I can't picture him in any, you

25 know...

1 Q. Did you have communications with
2 Mr. Dornfeld with respect to any projects you
3 worked on?
4 A. Yes, but not as -- not when he was
5 airport manager. Most probably not when he was
6 airport manager.
7 Q. Did you have communications with
8 him when he was the manager of the Plant and
9 Structures Division?
10 A. Most probably.
11 Q. What exactly were his
12 responsibilities, to your knowledge, in that
13 position?
14 A. As plant and structures manager?
15 Q. Yes.
16 A. It was either administratively in
17 processing tenant alteration applications and
18 or -- let's see.
19 (Pause)
20 A. It was tenant review or resident
21 engineer's office, and I'm not too certain
22 which one.

23 Q. That Mr. Dornfeld worked in?

24 A. Right.

25 Q. Do you recall any other individuals

1 at the Port Authority, either in the Tenant
2 Construction Review Unit or the resident
3 engineer's office or the tenant liaison office
4 who worked on processing tenant alteration
5 applications?
6 A. Not at the moment.
7 Q. You don't recall any other
8 individuals you had contact with regarding
9 TAAs?
10 A. No, not right now. Their names --
11 you're talking about what, a 30-year period of
12 time -- maybe not. Fifteen-year period of time
13 where there could have been 100 people in the
14 Port Authority, you know, all going this way
15 (indicating) at one time or the other. But the
16 names don't come to me.
17 Q. Okay. I'm just asking if you can
18 recall any.
19 A. All right.
20 Q. Do you recall which architectural
21 firm handled the construction of -- the
22 expansion project of Building 53?

23 A. I think we said that was TAMS.

24 Q. I'm sorry. Yes, you already did.

25 I apologize. I had already asked that

1 question, yes.
2 Do you know which individuals at
3 TAMS were involved in architectural work
4 regarding that building?
5 A. No, do not recall.
6 Q. Do you recall whether you had any
7 direct contact with anybody from TAMS regarding
8 that project?
9 A. It was unlikely because I was not
10 assigned to that project.
11 Q. Who handled the cost monitoring for
12 that project, who within Pan Am handled cost
13 monitoring?
14 A. It would have been Mr. Queen most
15 probably and also naturally the vice president
16 of the department.
17 Q. Do you recall in Building 67, that
18 Pan Am undertook an expansion project in or
19 about 1969, 1970 or 1971?
20 (Pause)
21 A. I'm sorry. Was that a question?
22 Q. Yes. Do you recall an expansion

23 project at Building 67, the Pan Am cargo

24 building, in the period 1969 to 1971?

25 A. We're talking about expansions now,

1 not the original building?
2 Q. Yes, expansion.
3 A. There was a Charles Erney, who was
4 a mechanical engineer. E-r-n-e-y I think.
5 There was a Walter Lee, who's passed on, L-e-e.
6 Those are the two gentlemen that were involved.
7 Q. In that project?
8 A. Right. And I believe there's one
9 or two extensions, I believe. Most probably
10 those are the two people.
11 Q. Charles Erney, was he a project
12 manager on that project?
13 A. Yes.
14 Q. Walter Lee, what were his --
15 A. Construction manager.
16 Q. What were Walter Lee's
17 responsibilities?
18 A. He managed the processing of
19 applications to the Port as well as managing
20 the construction, physically managing the
21 construction.
22 Q. You say Mr. Lee is now deceased?

23 A. Yeah.

24 Q. Do you know where Mr. Erney is

25 today or where he currently resides?

1 A. I believe it's in Queens, but I
2 don't...
3 Q. How do you spell his name,
4 E-r-n-e-y?
5 A. I think it's that or E-r-n-y. I'm
6 not sure.
7 Q. You don't recall any other
8 individuals at Pan Am who worked on that
9 expansion project at Building 67?
10 A. There most probably were others,
11 but these are the two main characters, if you
12 will, that worked on that.
13 Q. Do you recall the names of anybody
14 else who worked on that project? Again, I'm
15 referring to Pan Am employees at this time.
16 (Pause)
17 A. Bob McDermitt may have gotten
18 involved in that and a Tony Lombardo. Mr.
19 Brook would have been another person, being
20 second in command of the department.
21 Q. Any others you can think of?
22 A. No.

23 Q. What were Mr. McDermitt's

24 responsibilities?

25 A. To follow the construction details

1 in the field. Both of those gentlemen.
2 Q. Both of them had that same
3 responsibility?
4 A. Yeah. Working, they would have
5 reported to Mr. Lee.
6 Q. Do you happen to know where either
7 of them resides today?
8 A. I believe Tony Lombardo is in
9 Florida someplace. God knows where. And Bob
10 McDermitt may still live out on Long Island.
11 Q. Have you had any contact with them
12 over the last few years?
13 A. No.
14 Q. Do you recall that that project
15 involved fireproofing of steel structure,
16 structural members?
17 A. I do not recall when it was going
18 up that it did involve that. No, I would not.
19 Q. Did you at some point in time come
20 to learn there was fireproofing of this steel
21 structure in that building?
22 A. In the later years, yes, some years

23 ago.

24 Q. Is the same true with respect to

25 the Pan Am building, did you at some point in

1 time learn that was a steel structure that had
2 spray-on fireproofing on it?
3 A. Repeat that question.
4 Q. With respect to Building 53, did
5 you at some point in time learn that that, too,
6 was a steel structure that had spray-on
7 fireproofing on the structure?
8 A. Yes.
9 Q. Based on your familiarity with
10 projects at JFK, would the individuals involved
11 in Building 67, the project we just talked
12 about, would the individuals at the Port
13 Authority who handled that project be different
14 from the individuals that handled the building
15 project for JFK Building 53?
16 A. Would that be different?
17 Q. Yes, different. Or was everything
18 processed through the same --
19 A. It's hard to say. They could
20 conceivably have one engineer or two engineers
21 covering both projects. I can't say that.
22 Q. As far as the processing of

23 applications, did Pan Am submit all of its TAAs

24 through the same individual at the Port

25 Authority?

1 A. No. It would be the same office.
2 Q. Again, you think that was the
3 tenant liaison office?
4 A. (No verbal response.)
5 Q. Who was the tenant liaison person
6 at that time? Who was head of the tenant
7 liaison unit?
8 A. Excuse me. What years are we
9 talking about?
10 Q. This would be the late '60s, early
11 '70s.
12 A. No, I don't recall. I think we
13 said Ike Dornfeld could have been in one of
14 those positions. Right? Yes. In that period
15 of time.
16 Q. In terms of the Plant and Structure
17 Division, yes.
18 A. Right, plant and structures, right.
19 Q. Let me now, if I could, focus a
20 little bit on Building 213.
21 Let me go back in time. Do you
22 recall when Building 213 was originally

23 constructed to be used as a terminal, you said,

24 for receiving flights from San Juan.

25 A. I'm guessing at it. I think in the

1 late '60s.
2 Q. Do you recall when, approximately
3 when it was converted from a terminal to an
4 office and storage facility?
5 A. No.
6 Q. Do you recall even within a decade,
7 was it in the '70s or in the '80s?
8 A. I'd say somewhere around '75.
9 That's back to an office building.
10 Q. Back to an office building, yes.
11 A. Right.
12 Q. Sometime around 1975?
13 A. Right.
14 Q. Regarding the original construction
15 of the building, do you recall a contractor
16 being John Lowery?
17 A. The name rings a bell, only that
18 he's a contractor in New York. I couldn't tell
19 you that he was the contractor.
20 Q. Do you recall which architectural
21 firm handled that project?
22 A. I believe, if memory serves me,

23 John O'Brien. You must probably have that.

24 Q. Do you recall which architectural

25 firm handled the JFK Cargo Building 57

1 expansion that we referred to?
2 MS. WATKINS: Fifty-three?
3 MR. NICYPER: No. Sixty-seven.
4 MS. GRUENLOH: I you said "57."
5 MR. NICYPER: No. Sixty-seven.
6 Q. Sixty-seven, in the late '60s,
7 early '70s.
8 A. No. Not, not at the moment.
9 Q. If it comes to you, that's fine.
10 You can tell me at a later time.
11 Did you have occasion to go out and
12 observe the construction of Terminal 213 during
13 the time it was originally constructed?
14 A. Only in passing by.
15 Q. Were you aware that it was a steel
16 structure?
17 A. I can't say I was aware of it at
18 the time. I was busy on other things.
19 Q. When did you become aware that it
20 had spray-on fireproofing?
21 A. I guess when I joined Tower.
22 Q. You don't believe you knew that

23 prior to that?

24 A. No, no.

25 Q. Who at Pan Am had responsibility

1 with respect to the original construction of
2 JFK Building 213?
3 A. I shouldn't say I'm quite sure, but
4 memory serves me, Karl Brook was the main
5 individual monitoring that design and
6 construction of that project.
7 Q. Do you recall anybody else from Pan
8 Am who worked on that project?
9 A. I can't say as I do.
10 Q. With respect to Port Authority
11 individuals who dealt with tenants on
12 construction projects or tenant alteration
13 applications, I'm going to go through a couple
14 of people and see if you are familiar with
15 their names.
16 Do you recall an individual by the
17 name of H.K. Roberts, or Howel Roberts?
18 A. No.
19 Q. Do you remember an individual by
20 the name of David Hennessy?
21 A. Yes. Yes.
22 Q. What do you recall about Mr.

23 Hennessy's responsibilities?

24 A. I believe he was an inspector, Port

25 Authority inspector. I'm not sure. Or in the

1 resident engineer's office. I'm not sure in
2 what office he was in.
3 Q. Do you know whether he received
4 tenant alteration applications for processing?
5 A. I don't know. I can't say that.
6 Q. Do you remember an individual by
7 the name of Joseph Nanko, N-a-n-k-o?
8 A. Vaguely. Vaguely.
9 Q. Do you have any recollection as to
10 what his responsibilities were?
11 A. He may have been involved in the
12 Worldport, but I'm guessing at that.
13 Q. Do you recall an individual by the
14 name of Thomas Finn, F-i-n-n?
15 A. With Pan Am?
16 Q. No. With the Port Authority. Or
17 maybe he was with Pan Am.
18 A. I remember the name, but I -- if he
19 was with Pan Am, I believe it was in the real
20 estate section, if I have the right person.
21 Q. Do you remember an individual at
22 the Port Authority named Brendan Carmody?

23 A. Yes.

24 Q. What were Mr. Carmody's

25 responsibilities?

1 A. I believe he was also in real
2 estate or in administration. The name slips
3 me, the title of that department skips me.
4 Q. The Plant and Structures Division?
5 A. No.
6 Q. Or the Business Administration
7 Division?
8 A. Business administration, right. I
9 don't think he was in plant and structures, or
10 didn't come out of there.
11 Q. Did you have any direct
12 communications with Mr. Carmody regarding any
13 facilities and projects?
14 A. No.
15 Q. Do you recall an individual in the
16 resident, the Port Authority's resident
17 engineer's office, an individual named Robert
18 Tollner, T-o-l-l-n-e-r?
19 A. Yes.
20 Q. What were Mr. Tollner's
21 responsibilities?
22 A. I believe he was resident engineer

23 for a period of time.

24 Q. Do you know what responsibilities

25 he had with respect to the construction

1 projects we've referred to at JFK Buildings 53,
2 67 and 213?
3 A. No, I cannot say with any assurance
4 as to what part he played in those buildings.
5 He was an inspector or an engineer, field
6 engineer. And I believe he then became
7 resident engineer, but I don't know
8 specifically. He got involved in many
9 projects.
10 Q. Prior to being a resident engineer,
11 did he actually go out into the field and
12 observe projects?
13 A. I believe so, yes. That would have
14 been a normal course of events.
15 Q. Do you recall an individual in the
16 resident engineer's office named E.P. Rigaut,
17 R-i-g-a-u-t?
18 A. No.
19 Q. Do you recall a Joe Lavel?
20 A. Now that you mention it, yes, the
21 name is familiar; but I don't know what part he
22 played in all this.

23 Q. Do you recall an individual by the

24 name of Benjamin P. Sherbel, S-h-e-r-b-e-l?

25 A. Yes, but I don't know if he was

1 administrative, or I think he was an engineer.
2 Q. You don't recall anything more
3 specific about his responsibilities?
4 A. No.
5 Q. Do you recall an individual named
6 Edwin G. Ello, E-l-l-o?
7 A. No.
8 Q. Do you recall an individual by the
9 name of E.P. Pitman?
10 A. No.
11 Q. Do you recall an individual by the
12 name of Eugene Fasullo, F-a-s-u-l-l-o?
13 A. No.
14 Q. Do you recall an individual named
15 Richard Klenk, K-l-e-n-k?
16 A. The name is familiar, but could be
17 a ghost.
18 Q. In the Port Authority's Tenant
19 Construction Review Unit, do you ever recall
20 communicating with Robert Hand?
21 A. No.
22 Q. Do you recall an individual named

23 Daniel Hahn, H-a-h-n?

24 A. No.

25 Q. Do you recall an individual named

1 Michael DiNunzio, D-i capital N-u-n-z-i-o?
2 A. No.
3 Did these people work at the
4 airport?
5 Q. These people worked in connection
6 with the buildings we're talking about, yes.
7 Did you ever have communications
8 with anybody from the Port Authority's
9 Inspection and Safety Department in connection
10 with inspections of tenant structures?
11 A. I don't recall anybody's names, and
12 if we're talking about the same thing, Port
13 Authority had engineers at -- well, from the
14 New Jersey office and/or the Twin Towers that
15 would come out for structural reviews of
16 buildings each year or each couple of years as
17 a routine. And I did work with a few of those
18 fellows insofar as accompanying them around the
19 building, insofar as receiving their report and
20 making miscellaneous repairs and things of that
21 nature.
22 Q. These were structural integrity

23 inspections?

24 A. Right.

25 Q. The period of time you're talking

1 about now would be more the 1985 to 1993
2 period --
3 A. No.
4 Q. -- or do you recall that earlier
5 on?
6 A. Between '75 and before that, '75
7 on.
8 Q. Did the Port Authority also have
9 individuals who came out and inspected
10 construction projects during construction?
11 A. Oh, they didn't come out. They
12 were at the airport.
13 Q. They were resident engineers?
14 A. Right. That was the function of
15 the resident engineer's office and others that
16 they may have called in, specialty fellows for
17 evaluation of elevators. A lot of specialty
18 people in the Port Authority, fire alarm.
19 Then, you know, final inspections, they have
20 staff come in from other offices that
21 specialize in these things.
22 Q. Generally the purpose of the Port

23 Authority engineers out there during

24 inspections is to assure compliance with

25 regulations and specifications?

1 A. Exactly.
2 Q. Do you recall who during the period
3 of time in the late '60s and early '70s, who
4 from the Port Authority conducted those types
5 of inspections during ongoing construction
6 activities?
7 A. I don't remember the names offhand,
8 no.
9 Q. Do you recall an individual named
10 Joseph Rand?
11 A. No.
12 Q. Individual named Howard Silfan
13 (phonetic)?
14 A. No.
15 THE WITNESS: Excuse me.
16 (Luncheon recess: 12:45 p.m.)
17
18
19
20
21
22

23

24

25

1 AFTERNOON SESSION

2 1:30 p.m.

3 F R A N K G R I L L, having been

4 previously sworn, resumed the stand and

5 testified further as follows:

6 EXAMINATION (cont'd.)

7 BY MR. NICYPER:

8 Q. Mr. Grill, you identified an

9 individual named Dupre?

10 A. Dugre.

11 Q. Peter Dugre?

12 A. Yes.

13 Q. When did he join Pan Am?

14 A. I don't know when he joined Pan Am,

15 because I believe he was one of the attorneys.

16 He got involved with properties and facilities

17 or corporate real estate somewhere along, I

18 think, in '87, somewhere '87, '88.

19 Q. Again, he was part of the legal

20 department when he got involved with the real

21 estate issues?

22 A. No. He was formerly with the Pan

23 Am legal department. Went on to another job at

24 Pan Am, world services. And from that point

25 came back and headed up the Properties and

1 Facilities Department slash Corporate Real
2 Estate.
3 Q. Then after Pan Am filed for
4 bankruptcy, did he stay on?
5 A. Yes.
6 Q. He worked for the trustee?
7 A. I don't want to use the term. I
8 don't know; but yes, I believe he was involved
9 in that.
10 Q. You don't know whether he was then
11 in the legal department in the 1960s or 1970s?
12 A. No, I don't know.
13 Q. Another building you had
14 mentioned -- we talked about three of them; we
15 also talked about your involvement with Hanger
16 14. And I think your original involvement was
17 the design back when you were with the Winston
18 Churchill firm?
19 A. Right.
20 Q. Do you recall that?
21 A. Right.
22 Q. Do you recall that hanger was

23 originally constructed in approximately 1958?

24 A. Yes, because I joined them in '60

25 and the building was near completion at that

1 point.
2 Q. Do you recall various renovations
3 being undertaken in that building in the early
4 1970s, 1972, 1973?
5 A. Yes, in general. There were minor
6 projects; they weren't major projects, and they
7 would have been in relation to setting up
8 shops.
9 Q. What was your involvement in
10 setting up shops as project manager in the '62
11 to '75 period in Hanger 14?
12 A. My involvement was that we got the
13 requirements from an industrial engineering
14 department as to what was needed for the
15 maintenance and repair of aircraft parts. We
16 then obtained costs for this. Got outside
17 engineers, would be after the financial
18 approval, to implement drawings and
19 specifications for the project. Submit that
20 information to the Port Authority for approval
21 prior to construction and soliciting bids and
22 implementing the program.

23 Q. What was involved in establishing

24 shops? Were there renovations done within the

25 building, or were they add-on structures?

1 A. Really not renovation. It was
2 referred to as a fit-up.
3 Q. What's involved in a fit-up?
4 A. A bear space. You have a room such
5 as this and you have to install a certain
6 amount of piping, electrical, exhaust symptoms
7 to support a particular process in the repair
8 of engines or aircraft parts.
9 Q. When you say "room such as this,"
10 you were actually speaking in terms of a very
11 large room with a very high ceiling you did
12 this work in?
13 A. They varied in sizes.
14 Q. Did they involve, these projects,
15 particularly the one at Hanger 14, involve the
16 installation of any floor tile that you recall?
17 A. It could have. Most of the shop
18 spaces were housed in areas that you had
19 finished concrete floors, but there were some
20 that had tile floor.
21 Q. In which case, they would take the
22 tile floor out for the shop space?

23 A. No. They were putting it in at

24 that time. There may have been subsequent to

25 that someplace where they may have removed

1 tile, but I don't recall. Since the building
2 was new, it was more a setting up a shop as
3 opposed to taking anything out.
4 Q. Do you recall in Building 14 that
5 they did, in fact, install some tile during
6 this renovation period in the late '60s, early
7 '70s?
8 A. Rather than say they did install
9 tile, I would rather say it wouldn't surprise
10 me that there was installation of tile involved
11 in some of these things, being office
12 alterations.
13 Q. Office alterations were involved in
14 these projects?
15 A. Yes.
16 Q. But you don't recall specifically
17 whether tile was added or not, installed or
18 not?
19 A. No. Since the building came with
20 tile, there may have been tile patching. There
21 may have been some areas, industrial, that
22 would change over to offices or foreman's

23 office, something like that. In which case,

24 they would put tile on the floor or carpeting.

25 Q. The building Hanger 14 did have

1 some floor tile in it prior to these
2 renovations taking place?
3 A. Oh, yes. As memory serves me, yes.
4 Q. Do you recall whether the original
5 construction in 1958 involved the installation
6 of floor tile?
7 A. Not specifically, but I would say
8 generally it most probably did, in that most of
9 the offices came with floor tile as opposed to
10 carpeting.
11 Q. In the work you did with the
12 Winston Churchill firm, did that firm actually
13 handle specifications for materials such as
14 floor tile or approval of products such as
15 floor tile?
16 A. I would believe that yes, the
17 flooring material would have been part of their
18 general specifications and drawings.
19 Q. I may have already asked you this:
20 Do you recall any individuals from the Winston
21 Churchill firm who worked on that Hanger 14
22 project?

23 A. I'm not certain of the name, but I

24 think there was -- and I didn't remember

25 before, Mr. Sterns, but I'm not...

1 Q. Do you know whether Corbetta worked
2 on that construction project back in the late
3 1950s?
4 A. I believe they were the contractor.
5 They may have been the concrete contractor as
6 opposed to the general contractor. I believe
7 that was done by prime contractors. Again, I
8 believe. I'm not certain. As opposed to a
9 general contractor.
10 Q. Do you recall if any of that work
11 in Hanger 14 involved the installation of
12 spray-on fireproofing on the steel structure?
13 A. No, I -- this goes back a couple
14 years. I don't believe, generally speaking, I
15 don't believe or don't remember, and I wasn't
16 personally involved in that, being in the
17 office; but it was a reinforced concrete
18 building, the offices, as well as the...
19 Q. You had also mentioned renovations
20 in the commissary building -- or Building 14.
21 That's different from Hanger 14 I take it?
22 A. Let me clarify this. It was always

23 referred to as Hanger 14 when Pan Am had it.

24 The new Building 14 came into existence

25 recently when Japan Airlines and the Port

1 Authority took Hanger 14 over and converted it
2 into a cargo building and office building.
3 Q. So the current Building 14 is the
4 old Hanger 14?
5 A. Yes, sir.
6 MR. NICYPER: Off the record.
7 (Discussion held off the record.)
8 Q. Do you recall whether any of the
9 renovation work that was done in the
10 commissary, whether any of that involved
11 spray-on fireproofing, or was the entire
12 building, to your recollection, a concrete
13 structure?
14 A. No, I really don't recall.
15 Q. Who actually paid for the
16 construction of the JFK Building 213, original
17 construction?
18 A. I don't know. It could have been,
19 it could have been Pan Am paid for that. I
20 don't know.
21 Q. With respect to the expansion of
22 Building 67 in the late '60s to early '70s

23 period, who paid for that? Was that Pan Am or

24 the Port Authority?

25 A. I don't know for certain. It most

1 probably -- I shouldn't say that. It could
2 have been Pan Am paid for it and was reimbursed
3 by the Port Authority. I don't know.
4 Q. You don't know?
5 A. No.
6 Q. You don't know whether, in fact,
7 Pan Am paid for it and just received financing
8 from the Port Authority?
9 A. There's several ways I guess that
10 works, where the airline will put up the money,
11 be compensated by the Port Authority within
12 that construction period or shortly thereafter,
13 and then it's paid back long term in lease
14 agreements, but I don't know which category
15 these things fit in.
16 Q. With respect to JFK Building 53,
17 the expansion we talked about in the late '60s,
18 early 1970s, do you know who paid for that or
19 how that payment was set up?
20 A. No, I don't.
21 Q. You're not familiar with the
22 financing arrangements regarding that expansion

23 project?

24 A. No.

25 Q. Prior to 1973, do you know what

1 other terminals around the United States Pan Am
2 constructed, say, during the 1960s period?
3 A. Between what dates, please, again?
4 Q. Let's say, 1960 to 1973.
5 A. In the United States?
6 Q. Yes, airline terminals in the
7 United States.
8 A. I don't think they constructed any
9 airline terminals.
10 Q. Were there any expansions similar
11 to the Building 53 renovation?
12 A. I don't think Pan Am had any other
13 terminals that they constructed that they
14 occupied, you know, solely occupied. I believe
15 Los Angeles, San Francisco, Miami, I think they
16 were all shared or leased space.
17 Q. From the airports?
18 A. Right, from the airport.
19 Q. The JFK setup was somewhat unique?
20 A. Yes. JFK was world headquarters,
21 and that's where, I guess one of the few
22 terminals where airlines had their individual

23 buildings as opposed to the airport putting up

24 a building and subletting a portion of that

25 space.

1 Q. In your experience at that time in
2 the 1960s, that sort of setup where the
3 airlines actually had their own separate
4 terminals and constructed themselves was unique
5 in the United States?
6 A. I think even unique to New York. I
7 haven't much experience in that as far as, you
8 know, what was happening on the west coast or
9 down in Florida. But I think they shared
10 terminals. And New York I think was one of the
11 very few that had the airlines, TWA, United...
12 Q. Did you at some point in time gain
13 any knowledge regarding potential health risks
14 associated with asbestos or asbestos-containing
15 materials?
16 A. Did I at any time become aware of
17 the hazards of asbestos, is that the question?
18 Q. Did you become aware of any
19 potential health risks regarding
20 asbestos-containing material?
21 A. At some point in time, yes, I did
22 because it was brought to my attention because

23 of rules and regulations, in that prior to

24 altering or receiving approval for the

25 alteration of any building, this is in the

1 later years, that you required a sign-off from
2 an environmentalist to review the plans and
3 specifications to determine if there was any
4 areas involved or any asbestos involved in
5 these areas and would sign off, yes, there is
6 or no, there isn't.
7 Q. That's the first time you heard
8 about the possibility that there might be
9 health risks associated with
10 asbestos-containing material?
11 A. Yes. Certainly was not -- in the
12 '60s, I was not aware of it; or '65 or '70s, I
13 don't think I was aware.
14 Q. This period of time you're talking
15 about or this activity you're talking about,
16 was that approximately the mid to late 1980s?
17 A. Yeah, '85 and on.
18 Before that I spent the ten years
19 in the Pan Am Building. And before that I
20 believe I knew that there was asbestos. It was
21 a fiber. I certainly was not aware of a
22 problem.

23 Q. During the period --

24 A. We were not informed.

25 Q. During the period prior to 1975 or

1 prior to 1973, you merely knew there was
2 asbestos in the fireproofing?
3 A. Right.
4 Q. Do you recall when you learned that
5 or how you learned that, that there was
6 asbestos in the fireproofing?
7 A. No.
8 Q. Prior, then, to 1985 to your
9 knowledge, did the Port Authority instruct any
10 tenants to take any precaution when working
11 around asbestos-containing materials?
12 A. Prior to '85?
13 Q. Yes.
14 A. I wouldn't know.
15 Q. To your knowledge, had that been
16 done?
17 A. Please repeat the question.
18 Q. To your knowledge, had they ever
19 instructed any tenants to take precaution
20 working with asbestos-containing materials?
21 A. I wouldn't know. I wouldn't know.
22 You're saying prior to '85?

23 Q. Yes.

24 A. I left the airport in '75.

25 Q. Let's say, then, prior to '75, did

1 they instruct any --
2 A. Not to my knowledge. There's a gap
3 there. A lot of things could have happened in
4 the world, and I was not aware of it.
5 Q. There's a gap in 1975 to 1985 when
6 you were not at the airport; is that correct?
7 A. Right.
8 Q. Let's cover the period prior to
9 '75. Prior to then, did the Port Authority
10 advise any tenants to conduct any air
11 monitoring to check the level of asbestos
12 fibers in the air in their buildings?
13 A. Not that I recall. When I say "not
14 that I recall," I don't remember. Not that I
15 recall that they didn't do it or did do it.
16 Okay?
17 Q. You don't recall?
18 A. That's right. At this point I was
19 not aware of that, those procedures.
20 Q. In fact, prior to 1975, you don't
21 recall ever being familiar with whether or not
22 there were health risks associated with

23 asbestos?

24 A. Right.

25 Q. And the Port Authority never

1 advised the tenants or Pan Am about that to
2 your knowledge?
3 A. Right. Thank you. Yes.
4 Q. Prior to 1975, then, did you ever
5 hear that the Port Authority had advised any
6 tenants -- or to your knowledge, did the Port
7 Authority advise any tenants to monitor the
8 condition of any asbestos-containing materials
9 in the tenants' buildings?
10 A. Not that I recall, not that I had
11 personal experience or involvement in.
12 Q. Again, prior to 1975, to your
13 knowledge, did the Port Authority advise any
14 tenants that spray-on fireproofing in air
15 plenums should have a sealant placed over it?
16 Do you ever recall hearing that prior to 1975?
17 A. No.
18 Q. No?
19 A. No. I'm sorry.
20 Q. When did you first become aware of
21 this lawsuit?
22 A. I'm not -- I don't remember a date

23 when I may have heard something to the effect

24 that the Port Authority was involved in a

25 lawsuit, the installation of asbestos. I

1 don't -- it most probably had to be subsequent
2 to '75.
3 Q. Was it subsequent to '85? Do you
4 recall what gave rise to your learning about
5 the lawsuit?
6 A. I think it was in the papers. Had
7 to be in the papers someplace. No? Maybe not.
8 Q. Do you recall, I guess, is the
9 question.
10 A. Well, you know, scuttlebutt. I
11 mean, you know, just at the airport. I don't
12 know who told me. I think there is -- it may
13 have even been more recent than that.
14 There was some, I believe your
15 attorneys, some attorneys that came around to
16 take a look at Building 230 that the Port
17 Authority was escorting around and said to me,
18 do you mind, we'd like to visit the building on
19 such and such a date. And I said don't come at
20 two o'clock because we have seven flights going
21 out at that time. You know, I'll give you a
22 ladder and flashlight and stuff like that.

23 That was the extent of my involvement. It was

24 not my business. It was just...

25 Q. You, however, for certain buildings

1 handled tenant alteration applications that
2 involved getting approval from the Port
3 Authority to do an alteration that involved
4 asbestos removal; is that correct?
5 A. Right.
6 Q. When did you first get involved in
7 that process?
8 A. '86, '87, somewhere around there.
9 Q. At that time did you learn about
10 the lawsuit, or was that alteration application
11 process something separate from your learning
12 about the lawsuit?
13 A. I can't say as I recall learning
14 about the lawsuit back then, no. No, I
15 don't -- no.
16 Q. At any time prior to its filing
17 bankruptcy, are you aware of whether Pan Am had
18 any policy regarding how to deal with
19 asbestos-containing materials in its buildings?
20 A. I believe they had a policy, which
21 I didn't develop or get involved in. It was
22 more of a policy for the building maintenance

23 people when they came upon maybe piping repairs

24 or other things that they had to do. Was an

25 in-house policy, yes, but it was not from the

1 project manager's policy.
2 And the policy we had was that at
3 some point in time that in order to get
4 something done, you had to, you know, follow
5 the procedures of the asbestos abatement for
6 testing and verification.
7 Q. As I understand it, then, the
8 policy concerned what procedures you should
9 follow if you are removing asbestos-containing
10 materials, or abatements?
11 A. It was more of a policy that before
12 you did anything, to -- again, it was not my
13 policy. I didn't develop it, but I believe it
14 was a policy that before you did anything,
15 either remove a ceiling or repair something,
16 that you had to be aware of that there were
17 certain procedures to be taken, all right, to
18 guard against handling of this stuff.
19 Q. You're talking about the Federal
20 regulatory guidelines regarding this?
21 A. Oh, I don't want to say there's
22 Federal guidelines. I don't know what

23 guidelines we used. I'm just saying I believe

24 maintenance people had policy -- or procedure

25 to follow, one of caution; and if there was,

1 you know, you went to the proper
2 environmentalist to check it out and stuff like
3 that.
4 Q. This was a policy that applied to
5 all of the Pan Am facilities nationwide?
6 A. That, I can't say. I can only
7 speak for JFK.
8 Q. Do you know whether there were any
9 policies that Pan Am had that applied to
10 facilities?
11 A. I'm not aware. That's not to say
12 there was or was not. I'm not aware of if
13 there were.
14 Q. Are you aware whether there are any
15 policies that applied to any facilities other
16 than JFK?
17 A. No.
18 Q. Did Pan Am have any policy
19 applicable to JFK regarding whether or not to
20 remove asbestos-containing materials, and if
21 so, when it has to be done?
22 A. I'm not aware of it, but it

23 wouldn't surprise me that they had because

24 Miami was a major overhaul facility, as was New

25 York. The frame, aircraft frame as opposed to

1 engine.
2 Q. I'm not sure I understand your
3 response, that you think Miami, there may have
4 been a policy in Miami, or there was
5 asbestos-containing material in Miami?
6 A. Yes, there most probably were, I
7 would imagine, policies there because that was
8 a major overhaul for aircraft frame, fuselage,
9 as opposed to up here was engines and power
10 plants.
11 Q. Did buildings at the Miami facility
12 contain asbestos-containing materials?
13 A. That, I don't know. I cannot say
14 for sure.
15 Q. Do you recall a policy that applied
16 to Pan Am facilities at JFK, that it was a Pan
17 Am policy regarding when to remove
18 asbestos-containing materials from Pan Am's
19 facilities?
20 A. I recall, I believe, there was a
21 policy for the building maintenance operation
22 in the event to -- in the event they had to

23 make repairs, to be cautious of asbestos and to

24 be aware that materials could contain asbestos.

25 Q. What is the earliest date you

1 recall that policy?
2 A. It had to be after '85.
3 Q. This would be after you came back
4 to JFK?
5 A. Right --
6 Q. 1985, it was instituted at some
7 point after that; is that correct?
8 A. -- yes.
9 I don't know when it was
10 instituted. I'm just saying I was aware of it.
11 Q. Do you recall --
12 A. You said instituted after that
13 point. It could have been instituted before,
14 while I was in the Pan Am Building.
15 Q. That's what I'm asking. Do you
16 recall it being in place, that policy existing
17 by the time you came back in 1985?
18 A. There about. When I say "there
19 about," if I came back, I may not have heard
20 about it the first day, but in the course of a
21 year or six months, I believe I heard that,
22 yes, they have a policy for the building

23 maintenance operations.

24 Q. What about policies concerning

25 asbestos-containing materials in any Pan Am

1 buildings, even in the Pan Am Building where
2 you were located, do you recall Pan Am having
3 any policies regarding how to handle
4 asbestos-containing materials in its buildings?
5 A. I don't recall having a policy in
6 the Pan Am Building other than the Pan Am
7 Building was operated by another organization
8 other than Pan Am.
9 I was concerned with the 150,000
10 square feet that we occupied. So we were a
11 tenant there essentially.
12 Q. Do you recall ever raising with the
13 landlord any issues regarding
14 asbestos-containing materials in that building?
15 A. Yes.
16 Q. When did that arise?
17 A. I don't remember the date, but it
18 had to be within that 10-year frame.
19 Q. Sometime between 1975 and 1985?
20 A. Right.
21 Q. Do you recall whether it was
22 earlier in that time period or later in that

23 time period?

24 A. I would say mid point of that time

25 period.

1 Q. What exactly occurred in connection
2 with that?
3 A. Well, again, it was again
4 associated with alterations, office
5 alterations.
6 Q. What asbestos-containing materials
7 were found?
8 A. Oh, that, I don't know.
9 Q. You just remember --
10 A. I don't know, in that I did not
11 handle those projects. They were handled from
12 the office at JFK. I was not there as a
13 construction manager. I was there to direct
14 the facilities.
15 Q. The asbestos issue in the Pan Am
16 Building in New York City at this time,
17 approximately 1980, would that be --
18 A. '75, yeah. '80, right.
19 Q. -- handled by the Pan Am people who
20 were located out of JFK?
21 A. Right.
22 Q. When I say "what type of

23 materials," I'm not saying which manufacturer,

24 but was it fireproofing material, or was it

25 insulation materials? Do you know what type of

1 material it was in that regard?
2 A. Conceivably it involved both or it
3 could conceivably involve both, yes.
4 Q. What arose? There was a complaint
5 to the landlord to take care of
6 asbestos-containing materials in that building,
7 or how did this arise and how did you become
8 aware of it?
9 A. Well, I think it was common
10 knowledge that the Pan Am Building contained
11 asbestos on the deck, the steel deck. And
12 insofar as piping, I think pretty much everyone
13 was aware that there's always a possibility of
14 having asbestos on the joints and fittings as
15 opposed to straight ones.
16 Q. Do you recall whether or not the
17 asbestos-containing materials in the Pan Am
18 Building was removed in connection with this
19 project you were talking about?
20 A. I do not recall that there were any
21 alterations that involved asbestos removal. I
22 do not recall.

23 Q. May have happened; you just don't

24 recall either way, is that what you're saying?

25 Or you don't think that did occur?

1 A. I don't think there was any need
2 for the removal of asbestos because of
3 alterations.
4 Q. How, then, did this issue regarding
5 asbestos arise with the landlord in or around
6 1980?
7 A. I'm not certain. It could have
8 been mentioned, could, I'm not certain, in
9 relation to the possible subleasing or
10 subdividing a ticket office. We had a main
11 ticket office there, and it was larger than we
12 needed, and I think maybe that's where, at a
13 higher level than my level, it was discussed,
14 the responsibility or possibility for
15 subletting, you know, this would have to be
16 done and that would have to be done.
17 Q. Do you recall which individuals
18 were involved at Pan Am in addressing that
19 issue of asbestos-containing materials in the
20 Pan Am Building?
21 A. I'm not certain, but there's a --
22 there are a few people that could have been

23 involved, and I'm not certain of this. One

24 would have been Charles Trip. Another person

25 could have been a Mr. Larry Billett.

1 Q. B-i-l-l-e-t?
2 A. e-t, yeah.
3 Q. What were their responsibilities?
4 A. Well, leasing of space or --
5 Q. In that building?
6 A. Right.
7 Q. Do you recall what individuals from
8 JFK got involved in the resolution of that
9 issue, what Pan Am individuals got involved in
10 that?
11 A. I don't know if he got involved or
12 didn't get involved, but there's certainly a
13 possibility, that Wally Russell, who is at some
14 point in time with these other people, either
15 before or after or, you know, was vice
16 president of properties and facilities, so he
17 may have gotten involved with potential
18 discussions of asbestos in the Pan Am Building.
19 Q. He was located at Building 14 at
20 JFK?
21 A. Yes.
22 Q. What was his responsibility?

23 A. At one time he was vice president

24 of properties and facilities.

25 Q. You'd previously actually mentioned

1 another vice president, Karl Brook I believe?
2 A. Yeah. This goes back quite some
3 time.
4 Q. Mr. Brook, do you know where he
5 resides today?
6 A. No, I don't.
7 Q. Have you seen him in the last five
8 or ten years?
9 A. I think he's passed on.
10 Q. You also mentioned Charles Boll.
11 Do you know where he currently resides?
12 A. Mr. Boll lives out on Long Island.
13 Q. Have you had any communication with
14 him over the last couple of years?
15 A. We're personal friends, yes.
16 Q. Do you know what town he lives in
17 in Long Island?
18 A. No.
19 Q. Do you have that someplace in your
20 address book?
21 A. Oh, I wish my wife were here; but
22 no, I don't know. I can't think of it now.

23 It's near the Grumman plant out there. Does

24 that help you?

25 Q. Maybe what we can do is just leave

1 a blank in the transcript, and when you get it,
2 you can just fill in his address. Would you be
3 willing to do that?
4 A. Oh, sure. He'll most probably hate
5 me for it, but...
6 TO BE FURNISHED:
7 _____
8 _____
9 Q. Do you recall at any time when Pan
10 Am, prior to its bankruptcy, when it advised
11 its tenants or sublessees or whatever, to
12 exercise caution when working around
13 asbestos-containing materials?
14 A. No.
15 Q. Do you know whether Pan Am
16 conducted any surveys in its facilities to
17 determine to what extent those facilities
18 contained asbestos-containing materials?
19 A. I vaguely remember that they had
20 an organization come in to take air samples,
21 and I don't know to what extent, and I believe
22 that's when they wanted to use the terminal as

23 collateral for something.

24 Q. This is Terminal 53?

25 A. Yeah. Building 53, yeah.

1 Q. Do you recall the approximate year
2 that was after you came back after 1985?
3 A. Gee, no, I don't know.
4 Q. You don't recall?
5 A. No. No, I don't know.
6 Q. But they conducted air samples to
7 determine asbestos levels in the building?
8 A. I believe so.
9 Q. Who would know about that?
10 A. Potentially Wally Russell.
11 Unfortunately, the names, I just can't think of
12 the names because there were a couple other
13 people in that time frame that were in the
14 Corporate Real Estate Department.
15 I just can't remember -- I'll
16 remember their names. When I think of it, I'll
17 let you know who they are, then fill in some
18 blank spaces in this time frame, but -- Russell
19 and possibly Billett. Tom Ringkamp. Another
20 name, was vice president.
21 Q. Do you know how to spell that?
22 A. R-i-n-g-k-a-m-p, Ringkamp.

23 William Van Sitter.

24 Q. Is that V-a-n?

25 A. V-a-n S-i-t-t...

1 Q. e-r?
2 A. Yeah.
3 Q. What were his responsibilities to
4 the best of your recollection?
5 A. He was at one point in time acting
6 vice president of properties, and he was in the
7 corporate real estate -- on the real estate
8 section of the properties and facilities.
9 Q. Do you have any idea where he
10 currently resides, or did you know where he
11 resided at that time?
12 A. He's in Florida somewhere, but I
13 don't know.
14 Q. Do you know where Mr. Russell
15 currently resides?
16 A. No. But he's a consultant now, and
17 I think he's in Arizona. If you look up
18 airport consultants, you'll see he's Russell
19 Consulting.
20 Q. Do you know whether at any time
21 prior to Pan Am filing for bankruptcy, whether
22 it advised its customers or its patrons that

23 there was asbestos-containing materials in

24 certain of its buildings?

25 A. No, I do not.

1 Q. You don't recall that taking place?
2 A. Right. Either if it took place or
3 it didn't take place, I don't recall.
4 Q. To your knowledge, did Pan Am ever
5 discuss with the Port Authority whether or not
6 Pan Am would be a party in this lawsuit?
7 A. No, I don't know that at all.
8 Q. Who at Pan Am, if there were such
9 discussions, would be the likely person to be
10 involved in any such discussions with the Port
11 Authority regarding that issue?
12 A. I would imagine members of our
13 legal department. I won't -- the legal
14 department.
15 Q. Such as Mr. Dugre?
16 A. Dugre, right. And others, in that
17 Mr. Dugre as vice president of properties and
18 facilities was no longer associated with the
19 legal department.
20 Q. I see, but at the time of the
21 lawsuit --
22 A. Right.

23 Q. -- do you know whether Pan Am ever

24 discussed with the Port Authority whether or

25 not the Port Authority could obtain money in

1 this lawsuit for asbestos abatements that Pan
2 Am paid for?
3 A. No, I wouldn't know.
4 Q. Do you know whether Pan Am at any
5 time asked the Port Authority to seek recovery
6 in this lawsuit on Pan Am's behalf?
7 A. No, I do not know that.
8 Q. To your knowledge, that didn't
9 occur?
10 A. No, I would not have any knowledge
11 of that.
12 Q. You just don't know either way?
13 A. Right. Right.
14 Q. Do you recall, I think you said
15 that Pan Am did abate some asbestos-containing
16 materials from at least Building 53 and
17 Building 57; is that correct?
18 MS. WATKINS: Sixty-seven.
19 Q. I'm sorry. Building 53 and 67; is
20 that correct?
21 A. Sixty-seven and fifty-three, yes.
22 Q. Did Pan Am sue anybody to recover

23 the cost of those abatements?

24 A. Not to my knowledge.

25 Q. Do you know why, why they did not?

1 A. Well, not my knowledge. I wouldn't
2 be aware one way or the other.
3 Q. You were never told that they did
4 sue anybody?
5 A. Right.
6 Q. Did anybody discuss with you
7 whether they would sue anybody for those?
8 A. No.
9 Q. To your knowledge, did Pan Am ever
10 assign to the Port Authority Pan Am's rights to
11 bring a lawsuit against asbestos-containing
12 material manufacturers?
13 A. Way out of my realm.
14 Q. You don't know of that?
15 A. Right.
16 Q. The asbestos abatement you talked
17 about in Building 67, forgive me if I already
18 asked this question, do you know what type of
19 material it was? Was it a fireproofing
20 material or a pipe insulation material, what
21 type of material was removed?
22 A. That was on the structural members.

23 Q. That would be a spray-on

24 fireproofing?

25 A. Right.

1 Q. Do you recall when that occurred?
2 A. When the fireproofing occurred
3 or --
4 Q. When it was removed. I'm sorry.
5 When this abatement took place.
6 A. No, I do not.
7 Q. Do you recall even a general time
8 frame? Was it prior to 1990 or after 1990?
9 A. Oh, it had to be prior to 1990 --
10 wait.
11 (Pause)
12 A. It was prior to 1990.
13 Q. Was it after 1985, after you moved
14 back to JFK?
15 A. I would guess, yes, it was.
16 Q. What was your involvement in that
17 process?
18 A. I didn't get involved in that at
19 all.
20 Q. You weren't involved in the TAAs,
21 tenant alteration application, for that job?
22 A. No.

23 Q. Did Pan Am pay for that abatement?

24 A. I don't know. I would imagine they

25 did, I assume.

1 Q. Do you know whether they were
2 reimbursed by the Port Authority any cost in
3 connection with that --
4 A. That, I do not know, no.
5 Q. To your knowledge, has the Port
6 Authority ever paid for any asbestos removals
7 in Building 67?
8 A. No, I do not know.
9 Q. Do you recall in Building 53, there
10 were a series of asbestos abatement projects
11 handled by Pan Am?
12 A. Yes.
13 Q. What was your involvement in that
14 process?
15 A. Depending on what specific project,
16 I was involved in a couple projects that
17 involved the removal of asbestos in
18 Building 53.
19 Q. Do you recall which projects, from
20 what areas it was removed?
21 A. Yes. They were the arrivals slash
22 baggage claim area.

23 Q. Do you recall which baggage claim

24 area in Building 53 that was?

25 A. Well, it was the east and west

1 baggage claim areas.
2 Q. There, in fact, are four baggage
3 claim areas in Building 53?
4 A. There were two baggage claims.
5 There was the immigration area, and I don't
6 recall -- there were three areas that
7 potentially involved removal of asbestos. And
8 that was the immigration area and the baggage
9 claim areas east and west side.
10 Q. Do you know why it was that
11 asbestos-containing materials were removed from
12 those areas?
13 A. Yes. They were removed to
14 facilitate the removal of walls that existed to
15 permit the expansion and also to reconnect,
16 then, other elements to the structure.
17 Q. Are you aware of any other asbestos
18 abatements in Pan Am Building 53?
19 A. There are a few subtenants, we're
20 talking in general, that had the responsibility
21 to remove asbestos in their programs to create
22 or renovate stores. It was their duty. There

23 was a deli. I don't remember the names,

24 specific names or title, but there were a

25 couple areas.

1 Q. When you say "It was their duty,"
2 did Pan Am negotiate a sublease with these
3 subtenants and delegate that responsibility to
4 the subtenant?
5 A. Maybe I used the wrong word,
6 "duty." If they wanted to sublet the space,
7 there was apparently a lease agreement whereby
8 they were responsible for all the construction
9 and all the asbestos removal that may have been
10 required for that renovation or creating that
11 store.
12 Q. This was an agreement between Pan
13 Am and this subtenant?
14 A. Yes, to the best of my knowledge.
15 I wasn't in real estate.
16 Q. Again, other people who might know
17 about that are Mr. Russell?
18 A. Mr. Russell. There's others.
19 There's a Pam Dorso (phonetic), a Sue Felki
20 (phonetic). Don't ask me how to spell the
21 name.
22 Q. To your knowledge, did the Port

23 Authority ever pay for any of these asbestos

24 removals in Building 53?

25 A. Not to my knowledge.

1 Q. To your knowledge, were the
2 removals that were conducted by Pan Am itself
3 paid for by Pan Am?
4 A. Yes.
5 Q. To your knowledge, did the Port
6 Authority at any time reimburse Pan Am for any
7 of those abatement costs?
8 A. Not to my knowledge.
9 Q. Did Pan Am sue anybody to recover
10 those costs, to your knowledge?
11 A. Not to my knowledge.
12 Q. In connection with Pan Am's
13 bankruptcy, ultimately Delta Airlines took over
14 Building 53; is that correct?
15 A. Yes.
16 Q. Do you know how that was done? Was
17 that done directly from Pan Am, or did Pan Am
18 turn the building over to the Port Authority,
19 and the Port Authority then subsequently leased
20 it to Delta?
21 A. I don't know.
22 Q. You don't know?

23 A. No.

24 Q. Do you know who was involved in

25 those discussions from Pan Am on Pan Am's side?

1 A. Mr. Dugre, or Peter Dugre, would be
2 at least a starting point, at least a starting
3 point, yes.
4 Q. Do you know whether when Delta took
5 over, it knew that there was
6 asbestos-containing material in the building?
7 I mean, that was no secret?
8 A. I don't know officially if they
9 knew, but I don't think it was any secret that
10 the building had asbestos in it, so I would
11 imagine that they were aware of it.
12 Q. Are you familiar at all with any of
13 the details regarding Delta either assuming the
14 lease or Delta taking over that structure?
15 A. No. I didn't get involved in that.
16 Q. Were you in any way directly
17 involved in Pan Am's bankruptcy? You said to
18 some extent you were involved with liquidating
19 assets.
20 A. Directly involved, no.
21 Q. Indirectly involved, you said you
22 had some involvement with liquidating assets?

23 A. Selling furniture, yes.

24 Q. That was not structures, buildings?

25 A. No. It was furniture and finishes.

1 Q. Do you know whether or not the Port
2 Authority brought a bankruptcy claim against
3 Pan Am?
4 A. I wouldn't know.
5 Q. Do you recall back in the late
6 1960s, early 1970s ever hearing about a
7 controversy regarding application of spray-on
8 fireproofing at the World Trade Center?
9 A. No.
10 Q. You don't recall hearing anybody at
11 that time talking about whether or not there
12 might be health concerns regarding asbestos
13 spray-on fireproofing?
14 A. No, not at all.
15 Q. Do you recall the Port Authority
16 telling Pan Am about this situation?
17 A. I haven't any memory of that at
18 all.
19 Q. Do you recall ever being out at
20 Building 53 at that period of time, 1969 to
21 1972, during the time, any time when they were
22 putting on spray-on fireproofing on the steel

23 structure?

24 A. No, I can't say as I remember

25 anything back then.

1 Q. Do you recall whether or not they
2 had put up tarpaulins around the area that was
3 being fireproofed?
4 A. No, I do not. I don't know.
5 Q. Do you recall ever seeing any
6 tarpaulins up around the structure that was
7 being built?
8 A. No. As I said before, I was
9 working Hanger 14, and on occasion, we were
10 invited over, you know, as inquisitors, you
11 know, in that department looking at things and
12 how it's done.
13 Q. When you were invited over, did
14 anybody at any time from the Port Authority
15 advise you to take precautions because there
16 might be asbestos-containing materials?
17 A. If they did, I was -- I'm not aware
18 of it now, and I wasn't aware of it then. I
19 don't remember.
20 Q. You don't recall them telling you
21 that?
22 A. No.

23 Q. Mr. Grill, let me show you what I'd

24 like to ask the court reporter to mark as Grill

25 Exhibit 2. This is a five-page document with a

1 heading on the front page entitled "Port
2 Authority of New York and New Jersey Asbestos
3 Certification Letter and Permit Application."
4 Take whatever time you'd like to review that.
5 EXH (Defendant's Grill 2, Port
6 Authority of New York and New Jersey
7 Asbestos Certification Letter and Permit
8 Application Y-6112 with attached Waiver
9 Letter, was marked for identification.)
10 (Witness peruses document.)
11 Q. Have you had a chance to review
12 that?
13 A. Yes.
14 Q. Could you describe what this
15 document is?
16 Let me ask you this, are you
17 familiar with the document?
18 A. Yes. This is an asbestos --
19 nonasbestos project certification for
20 nonasbestos versus asbestos project, yes.
21 Q. When you say certification for
22 nonasbestos or asbestos, you're looking at --

23 A. The first part is certification of

24 a nonasbestos project.

25 Q. You're referring to the first three

1 pages of Exhibit 2; is that correct?
2 A. Right.
3 Q. What does that mean, certification
4 of a nonasbestos project? What significance
5 did this document have in connection with your
6 responsibility?
7 A. That the environmentalist inspected
8 the area of the project and he would have
9 determined if there was asbestos that would be
10 involved in implementing the project.
11 Q. For this project, does this
12 indicate that there was asbestos involved?
13 A. Yes.
14 Q. This is concerning JFK Building 53;
15 is that correct?
16 A. Right.
17 Q. The environmentalist that you're
18 referring to is on page 3. Is that APED or
19 which company is listed on this document as the
20 environmental specialist?
21 A. Ask me the question again, please.
22 Q. Which company, in looking at the

23 document here, is the environmental consultant

24 or specialist that was giving such a

25 certification here?

1 A. ATC Environmental.
2 Q. ATC?
3 A. Yeah.
4 Q. On the front page here, it
5 identifies, if you look halfway down the page,
6 there's an "NY Facility" on the front page
7 there. Do you see that? Halfway down the page
8 it says New York facility or "NY Facility."
9 A. Right.
10 Q. It identifies it as the "Pan
11 American Worldport, Building 53, West, Pilots
12 Lounge, Column Support Modification"?
13 A. Right.
14 Q. "JFKIA" and then a number after
15 that that says --
16 A. That's an application number.
17 Q. That's Y-6112?
18 A. Right.
19 Q. That Y-6112 is a tenant alteration
20 application number?
21 A. Yes.
22 Q. Those are numbers used by the Port

23 Authority; is that correct?

24 A. Right.

25 Q. So they are seeking to notify the

1 Port Authority of an asbestos abatement
2 project; is that correct?
3 A. Right.
4 Q. Why was that necessary?
5 A. I think there was a rule, I think,
6 and I can't tell you specifically where it is
7 in the fine print, but I think we mentioned
8 that before, that prior to implementing any
9 construction project, you had to have this
10 (indicating) form submitted to the Port
11 Authority to their satisfaction before you went
12 ahead with a project.
13 Q. The Port Authority wanted to know
14 what asbestos was being removed or not removed
15 from --
16 A. Right.
17 Q. -- what facilities at the airport?
18 A. Before you got your approval to
19 proceed with construction, this had to be
20 addressed.
21 Q. Look at the last two pages of this
22 document. There's a heading on the second to

23 last page that's titled "Waiver Letter Asbestos

24 Removal," and then under that it says, "Y6112

25 Pan Am." Do you see that?

1 A. Right.
2 Q. Could you describe for me what
3 these two pages are?
4 A. It was a form that had requirements
5 that if we wanted to proceed with the project
6 on an expeditious basis, we had to sign this
7 form.
8 Q. You had to sign this form in order
9 to proceed on an expeditious basis?
10 A. Right.
11 Q. Otherwise, they wouldn't give you
12 approval for the project?
13 A. Well, understand, approval for the
14 project had to take many many steps, more steps
15 in the determining of responsibility, as I
16 recall, and this is I believe something that
17 the Port Authority came up with that gave the
18 airline the option to be responsible for this
19 and permitted, I believe...
20 Q. The last page here has a heading
21 that says "Waiver." Do you see that?
22 A. Right. Yeah.

23 Q. Then it has "Pan American World

24 Airways" filled in?

25 A. Yes.

1 Q. "...hereby waives the right to
2 reimbursement from the Port Authority for
3 asbestos abatement cost, and waives the right
4 to bring suit against the Port Authority for
5 any cause relating to the presence of asbestos
6 in the premises covered by the lease or permit
7 under which this Tenant Alteration Application
8 is submitted," do you see that?
9 A. Yes.
10 Q. Below that I see your name is
11 signed?
12 A. Right.
13 Q. By signing it, was it your
14 understanding that you were waiving on behalf
15 of Pan Am, Pan Am's right to seek recovery for
16 this asbestos abatement?
17 A. Yes, it appears that way.
18 Q. Was that your understanding at the
19 time you signed it?
20 A. Generally speaking, yes.
21 Q. Did you have an understanding that
22 if you did not sign this, you would be allowing

23 the Port Authority to take your rights or Pan

24 Am's rights to recover for money in this

25 lawsuit?

1 A. Repeat that, please.
2 Q. Did you have any understanding that
3 if you did not sign this document, that the
4 Port Authority, then, would have responsibility
5 to recover money in this lawsuit?
6 A. If I did not sign it --
7 Q. Here's a much easier way of asking:
8 If you didn't sign this, what was your
9 understanding?
10 A. My understanding was that it would
11 get -- if we did not sign it, there were many
12 approvals and understandings that had to take
13 place that would be lengthy; that, you know,
14 that the project could not proceed until we
15 went through all these other steps. And these
16 other steps could potentially take two months,
17 three months, six months to get approval
18 between the Port Authority and whomever.
19 Q. I see. So if you did not sign
20 this, then, your understanding was --
21 A. Well, we weren't forced to sign it.
22 We signed it in the interest of being able to

23 proceed with projects on a timely basis.

24 Q. It's your understanding if you did

25 not sign this, the approval process was much

1 more difficult then?
2 A. Yes. Right.
3 Q. It's your understanding for signing
4 this particular document that we have in front
5 of you, that is Exhibit 2, was that Pan Am
6 signed that so that it could move forward on --
7 A. Yes.
8 Q. -- on a timely basis; is that
9 correct?
10 A. Yes.
11 Q. Was there any other reason for Pan
12 Am signing it to your knowledge?
13 A. No.
14 Q. Did Pan Am have any interest at
15 this time, to your knowledge, or in connection
16 with signing this, did you understand that Pan
17 Am had any interest in suing the manufacturers
18 of any of these asbestos-containing materials?
19 A. I would not be aware if they did or
20 did not.
21 Q. Did your signing of this in any way
22 in your mind concern whether or not Pan Am

23 would or could sue any of the manufacturers of

24 asbestos-containing materials?

25 A. I don't know.

1 Q. You didn't have an understanding
2 that it...
3 A. Why don't you repeat that. Make
4 sure it was clear.
5 Q. In signing this, did you have an
6 understanding of whether or not that could
7 affect Pan Am's right to sue any manufacturers
8 of asbestos-containing materials being removed?
9 A. Well, I assumed it had some impact,
10 some impact. Otherwise, I would not be asked
11 to sign it, or we would not be asked to sign
12 it.
13 Q. If you read the waiver letter here,
14 it refers to Pan Am waiving its right for
15 reimbursement from the Port Authority; is that
16 correct?
17 A. Right. And I fully understood
18 that.
19 Q. There's nothing here in this
20 document that assigns Pan Am's right to the
21 Port Authority to seek cost recovery; is that
22 correct?

23 A. Not being an attorney --

24 Q. I mean according to your

25 understanding.

1 A. Yes.
2 Q. There's nothing there that has
3 that; is that correct?
4 A. Right.
5 Q. Did you ever understand Pan Am at
6 any time to assign any of its rights to the
7 Port Authority to seek recovery for asbestos in
8 Building 53 or Building 67?
9 A. No.
10 Q. Did you sign one of these every
11 time there was an asbestos abatement project at
12 the Worldport to your knowledge?
13 A. I did not sign those for every
14 asbestos project. I signed those for the
15 projects that I was involved in.
16 Q. Did Pan Am sign one of these for
17 every asbestos project it undertook at
18 Building 53?
19 A. I would say, I would think that,
20 yes, if everyone was doing their homework, yes,
21 that was routine.
22 Q. Certainly it was its intention to

23 do that?

24 A. Right, yes. Yes.

25 Q. At no time, to your knowledge, did

1 Pan Am seek reimbursement from the Port
2 Authority or anybody else for
3 asbestos-containing material removals from
4 Building 53; is that correct?
5 A. That's correct.
6 Q. Let me show you what I'd like to
7 mark as Grill Exhibit 3. This is another one
8 of these Asbestos Certification Letters and
9 Permit Applications. This one concerns project
10 Y-6142A.
11 EXH (Defendant's Grill 3, Port
12 Authority of New York and New Jersey
13 Asbestos Certification Letter and Permit
14 Application Y-6142A with attached Waiver
15 Letter, was marked for identification.)
16 (Witness peruses document.)
17 Q. Have you had a chance to review
18 that?
19 A. Yes.
20 Q. This is essentially the same as
21 Exhibit 2; is that correct? It's just with
22 respect to a different project?

23 A. Yes.

24 Q. It, too, if you look at the last

25 two pages, has another one of these Waiver

1 Letter Asbestos Removal letters. Do you see
2 that?
3 A. Yes.
4 Q. Would your answers be any different
5 with respect to this letter than they were with
6 respect to the letter attached to Exhibit 2?
7 A. No.
8 Q. The environmental consultant for
9 this project is also ATC Environmental; is that
10 correct?
11 A. Yes.
12 Q. Did Pan Am always use them as
13 environmental consultants, to your knowledge,
14 with regard to asbestos abatement projects?
15 A. They were used, and I can't say in
16 every case, but at least the cases, the jobs
17 that I was involved in, in that time frame.
18 They may have used others, other engineers.
19 Q. Had you ever had any communications
20 with an individual at the Port Authority named
21 Kevin Bleach?
22 A. No. If I did, I don't remember.

23 Q. Did you have any communication with

24 an individual called Paul Fernandez?

25 A. Yes, that I know.

1 Q. Mr. Fernandez was in the tenant
2 liaison office; was he the liaison person for
3 Pan Am?
4 A. No. -- oh, yes. He's with the
5 Port Authority, yes.
6 Q. Yes. He was a Port Authority
7 employee?
8 A. Right.
9 Q. He was the person with whom Pan Am
10 communicated --
11 A. Right.
12 Q. -- at this point in time?
13 A. Right.
14 Q. Let me show you a document I'd like
15 to mark as Grill Exhibit 4. This is a six-page
16 document, again consisting of an Asbestos
17 Certification Letter and Permit Application.
18 This one regarding application Y-6256A.
19 The difference here is this, then,
20 has a, looks like what appears to be a Port
21 Authority buckslip attached to the front of it
22 dated May 11, 1990 from Paul Fernandez to Kevin

23 Bleach.

24 EXH (Defendant's Grill 4, buckslip from

25 Paul Fernandez to Kevin Bleach dated May

1 11, 1990 with Port Authority of New York
2 and New Jersey Asbestos Certification
3 Letter and Permit Application Y-6256A and
4 attached Waiver Letter, was marked for
5 identification.)
6 (Witness peruses document.)
7 Q. Did you have an opportunity to
8 review that?
9 A. Yes.
10 Q. Is this a document you've seen
11 before?
12 A. I hope I saw it; I signed it. But
13 I --
14 Q. In fact, that's your signature on
15 the last page, correct?
16 A. Yes. But I'll be darned if I can
17 remember.
18 I remember where the lounge was.
19 It was a small lounge, but I can't remember
20 where that asbestos was. I remember the area
21 and the purpose of the lounge.
22 Q. This indicates only 300 square feet

23 of spray-on fireproofing; is that correct?

24 A. Yeah. Refugee lounge.

25 They wouldn't dare call it a

1 refugee lounge now.
2 Q. Again, this document is like what
3 we looked at in Exhibits 2 and 3; is that
4 correct?
5 A. Yes.
6 Q. Would your answers concerning the
7 last two pages, this waiver letter, be the same
8 as they were with respect to Exhibit 2?
9 A. Yes.
10 Q. Each of the Exhibits 2, 3 and 4,
11 that is your signature on the last page of each
12 one of those exhibits; is that correct?
13 A. Yes.
14 Q. You signed those in the ordinary
15 course of business; is that correct?
16 A. Yes.
17 Q. It was part of your
18 responsibilities at that time to sign documents
19 such as this; is that correct?
20 A. Well, either I assumed it; but yes,
21 it was part.
22 Q. Let me show you a document I'd like

23 to mark as Grill Exhibit 5. This is a

24 five-page document, again an Asbestos

25 Certification Letter and Permit Application.

1 This appears to have the Tenant Alteration
2 Application Number Y-6110A.
3 Take whatever time you'd like to
4 review that.
5 EXH (Defendant's Grill 5, Port
6 Authority of New York and New Jersey
7 Asbestos Certification Letter and Permit
8 Application Y-6110A with attached Waiver
9 Letter, was marked for identification.)
10 (Witness peruses document.)
11 Q. Have you had a chance to review
12 that?
13 A. Yes.
14 Q. This document appears to be the
15 same as Exhibits 2 through 4, just for another
16 TAA; is that correct?
17 A. Yes.
18 Q. Is that your signature on the last
19 page?
20 A. Yes.
21 Q. You've signed for Mr. Dugre?
22 A. Right.

23 Q. Was Mr. Dugre your boss at that

24 time?

25 A. Yes.

1 Q. Do you know why it was at this
2 point in time you're signing on his behalf;
3 whereas, in other instances, you signed
4 directly by yourself?
5 A. No. No, other than maybe we're
6 still just tightening up on the office
7 procedures.
8 Q. Again --
9 A. I --
10 Q. Go ahead.
11 A. Nothing specific in that it was a
12 meeting of minds, you know, today we're going
13 to do this versus that, no.
14 Q. With respect to the last two pages
15 of Exhibit 5, these two pages that are the
16 waiver letter, would your answers with respect
17 to those be the same as they were with respect
18 to the waivers that are on Exhibit 2?
19 A. Yes. I mean, this is the same
20 approach, same general purpose.
21 Q. Did you know an individual named
22 J.E. Baxter?

23 A. Yes.

24 Q. What were Mr. Baxter's

25 responsibilities at Pan Am?

1 A. He was regional managing director.
2 Q. Was he located at --
3 A. At Building 53.
4 Q. -- at Building 53?
5 A. Yes.
6 Q. What actual responsibilities did he
7 handle at Building 53 as regional director?
8 A. He was responsible for the
9 day-to-day operation of getting passengers on
10 board on time and getting -- deplaning on time,
11 total operation in the northeast.
12 Q. In the northeast, not just for
13 Building 53?
14 A. Right. At one point in time, he
15 had the Building 53 as well as the northeast.
16 Q. Did you know an individual named
17 Charles -- you already mentioned Charles Boll?
18 A. Right.
19 Q. In the 1989 time frame, what were
20 his responsibilities as an employee of Pan Am?
21 A. I believe at that time it was
22 project manager.

23 Q. For what project?

24 A. They varied but primarily for

25 mechanical systems, mechanical baggage handling

1 systems.
2 Q. Were there mechanical system
3 renovations being undertaken at this point, in
4 1989?
5 A. There could have been. I can't
6 say.
7 I know there were conveyor
8 modifications and installations as opposed to
9 heating and ventilating. I'm sure there's
10 always heating and ventilating problems in the
11 building that one has to, you know, address.
12 But to say specifically each of these jobs...
13 Q. Were his responsibilities limited
14 to Building 53, or were they broader than that?
15 A. The responsibilities were the jobs
16 that were assigned to you.
17 Q. The jobs assigned to him, did they
18 involve only JFK Airport or projects beyond
19 JFK?
20 A. Oh, no projects beyond JFK.
21 MR. NICYPER: This might be a good
22 time just to take a short break.

23 (Recess taken.)

24 Q. I think just before the break, Mr.

25 Grill, you had mentioned something about one of

1 the abatements was a small abatement involving
2 concrete; is that correct?
3 A. Yes.
4 Q. Which one was that you were
5 referring to?
6 A. I think that was, I think in the
7 pilots' lounge.
8 MS. GRUENLOH: You think it was the
9 last one?
10 Q. Exhibit 5?
11 A. It wasn't that.
12 MS. GRUENLOH: Here's "pilot's
13 lounge."
14 THE WITNESS: Yes, pilots' lounge.
15 Q. That's Exhibit 3 you're looking at
16 now?
17 A. Yes. Twenty square feet of
18 concrete spray-on.
19 MS. GRUENLOH: Exhibit 2.
20 Q. With regard to this abatement, what
21 is your recollection as to why, what was being
22 done here?

23 A. I think it was concrete

24 fireproofing up to a certain point.

25 Q. On a column. The column was

1 actually surrounded with concrete?
2 A. Right, and on top it was fireproof
3 spray-on I believe. But in order to get up
4 there and work in that area, that's what the
5 concern was.
6 Q. They didn't know whether they would
7 be coming in contact with the fireproofing, but
8 as a precaution --
9 A. Right. It wasn't necessary to
10 remove it because you had to have access to
11 where the fireproofing was. You had to have
12 access, you know, in a short distance from the
13 fireproofing.
14 Q. So they weren't sure whether or not
15 they'd be coming in contact with the
16 fireproofing, but they thought they might be?
17 A. This was the concrete (indicating).
18 This was the steel column, and the fireproofing
19 was up here (indicating). So in order for
20 somebody to work here (indicating) --
21 Q. To work down below where the
22 spray-on fireproofing was?

23 A. Right. The spray-on fireproofing

24 touched the concrete. All right?

25 Fireproofing, there was nothing wrong with the

1 spray-on fireproofing. It was the concrete
2 where the fireproofing was sprayed. So in
3 order to patch this, conceivably you were close
4 to it. In any case, when you got close to an
5 area that had fireproofing on it, you know, you
6 had to take precautions.
7 Q. So it was generally, it was your
8 understanding when you got close to an area
9 that had asbestos-containing fireproofing, you
10 had to take it out?
11 A. You had to take it out or provide
12 protection that the person doing this job, that
13 it was not asbestos related.
14 Q. Who made those decisions for Pan
15 Am? Was that done by the environmental
16 consultant?
17 A. Yes. The environmental consultant
18 and also the Port Authority would look at it
19 and say, although this may not be an asbestos
20 removal project, to have access to something,
21 you're working in such close proximity of this.
22 Q. That you might touch it?

23 A. Right.

24 Q. So the Port Authority actually

25 would make a determination and tell them at

1 times that it had to remove or not remove
2 material?
3 A. Right. And there was always good
4 communication between the environmentalist and
5 the Port and the client, saying, yes, you know,
6 rather than taking any chances, this is what we
7 should do to be on the -- err on the safe side.
8 Q. But at times those decisions were
9 made or directed by the Port Authority on when
10 to remove?
11 A. Directed, ultimately I guess it was
12 the environmentalist who planned and prepared
13 drawings and procedures; but, yes, it was the
14 Port Authority that jointly dictated what had
15 to be done or commented on it.
16 Q. I'd like to now, if I could, go to
17 the time, I guess, beginning in 1993, March
18 1993 when you were with Tower Air and cover the
19 time you were actually employed by Tower Air
20 and then the same period of time under which
21 you were consultant. So it would be the period
22 March 1993 to July 1995.

23 Did you have any involvement at

24 that time with lease negotiations between Tower

25 Air and the Port Authority?

1 A. No.
2 Q. Who on behalf of Tower Air handled
3 lease negotiations?
4 A. I'm not certain, but most probably
5 it would have been the owner, Mr. Nachtomi.
6 Q. Do you know how to spell that?
7 This is the name you wrote on Exhibit 1-A?
8 A. No. That was Ann Atkabowski.
9 (Witness hands document.)
10 Q. There may have been others, but I'm
11 not -- maybe his attorneys got involved. I
12 don't know.
13 Q. What was Mr. Nachtomi's title with
14 Tower; he's employed by Tower Air?
15 A. He's the president or the owner,
16 chairman. I'm not sure.
17 Q. Did you ever have any
18 communications with Robert Treiling during the
19 time that you were there, T-r-e-i-l-i-n-g?
20 A. Treiling.
21 Q. Treiling. I'm sorry.
22 A. Yes.

23 Q. What were the nature of your

24 communications with Mr. Treiling?

25 A. Strictly on the status of

1 reimbursement, financial reimbursement from the
2 Port for this project.
3 Q. When you say "financial
4 reimbursement," did Tower Air actually incur
5 the cost of the asbestos abatement at its
6 facility?
7 A. Did they incur the cost? No. I
8 believe they were reimbursed by the Port.
9 Q. That was your understanding from
10 the lease -- through these negotiations with
11 Mr. Treiling?
12 A. Let me say that I did not deal with
13 Mr. Treiling as far as the terms and conditions
14 of the lease. That had been already set up, or
15 it was apparently an agreement between the
16 parties that the lease as granted contained
17 certain elements.
18 My discussions with Treiling was
19 only insofar as processing payment for
20 reimbursement, because I initiated these
21 requests for reimbursement. They were -- Mr.
22 Treiling's desk was the first desk they went

23 to. Then it went on to the resident engineers

24 and stuff like that. It had nothing to do with

25 terms and conditions of the lease.

1 Q. When you say "reimbursement," was
2 this actual reimbursement, or was this
3 something Tower Air was paying back over time?
4 A. It was reimbursement in the
5 duration of the period of the construction.
6 Q. But then did Tower Air have
7 responsibility to pay that back over time for
8 years after construction?
9 A. I believe so. I believe so.
10 Q. When you say "reimbursement," it
11 was really more of a financing arrangement?
12 A. Yes. It was initially a
13 reimbursement, that you got a check from the
14 Port Authority to cover you for these costs,
15 and then what happened after that as far as
16 what portion was rent, what portion was
17 additional rent in the financing of that I'm
18 not familiar with.
19 Q. It was paid back over time?
20 A. Yes, I believe so.
21 Q. So this was something like a loan,
22 then, from the Port Authority?

23 A. Yes.

24 Q. In other words, not a direct

25 reimbursement; they were not incurring the

1 cost; is that correct?
2 A. Right.
3 Q. You submitted these letters to Mr.
4 Treiling directly?
5 A. Right.
6 Q. He passed them on someplace within
7 the Port Authority?
8 A. The resident engineer's office.
9 Q. Were these checks to Tower Air, or
10 were these paid directly to the environmental
11 consultant and the renovation --
12 A. No. To Tower Air.
13 Q. Did this concern the entire
14 renovation project or just the asbestos
15 portion?
16 A. No. The entire project.
17 Q. In other words, there was
18 renovation going on that did not pertain to
19 asbestos removal, correct?
20 A. Oh, yes, yes.
21 Q. Charles Boll also worked for Tower
22 Air; is that correct?

23 A. Oh, no, no. No.

24 Q. Did he have any involvement with

25 activities at Tower Air?

1 A. No.
2 (Witness confers with counsel.)
3 Q. Do you know whether there were any
4 discussions with Tower Air regarding this
5 lawsuit between the Port Authority and Tower
6 Air?
7 A. I'm not aware of any discussions
8 or -- no.
9 Q. Do you know whether Tower Air at
10 any time considered becoming a party to this
11 lawsuit?
12 A. No, I do not know.
13 Q. Tower Air, as I understand it,
14 then, incurred money for the asbestos removal
15 at Building 213; is that correct?
16 A. Right.
17 Q. Then it received, as you described
18 this process, a loan from the Port Authority,
19 which it then paid back over time?
20 A. Yes.
21 Q. Did Tower Air ever consider suing
22 the manufacturers of any of the

23 asbestos-containing materials at 213, Building

24 213?

25 A. I would not be privy to that

1 information.
2 Q. Did you ever hear of that?
3 A. No, sir.
4 Q. Do you know whether the Port
5 Authority ever told Tower Air that Tower Air
6 would try to cover any of the costs for that
7 asbestos removal project?
8 A. I would not be aware of any
9 conversation regarding that, no.
10 Q. Who would handle that on behalf of
11 Tower Air, if anybody? If you wanted to find
12 out whether or not the Port Authority
13 communicated with Tower Air regarding this
14 lawsuit, who would you talk to? Who would be
15 the likely person you would go to at Tower Air
16 to find that out?
17 A. Nachtomi; the vice president of
18 operations, Ann Atkabowski. There could have
19 been others. There could have been a Mr.
20 Gelban.
21 Q. Mr. Steve Gelban?
22 A. Right.

23 Q. He's outside counsel for Tower Air;

24 is that right?

25 A. Right, but I wouldn't know. Could

1 be.
2 Q. I think you've already testified,
3 you're not aware of whether or not Tower Air
4 has other facilities at any place throughout
5 the United States other than just space it
6 rents; is that correct?
7 A. I was only aware of the project at
8 213. That was the only...
9 Q. But aside from the project, is that
10 the only Tower Air facility you're aware of?
11 A. Yes, that's the only facility that
12 I know Tower Air is involved in; that's 213 and
13 Hanger 17.
14 Q. You know, however, that they do
15 rent space at other airports around the
16 country?
17 A. I would assume they'd have to rent
18 space. I don't know for a fact that they rent
19 space.
20 Q. They fly to other areas; is that
21 correct?
22 A. Right. So that's why I'm assuming.

23 Q. In order to fly to another airport,

24 you at least must have some type of facility,

25 whether it be a gate or access to a gate or

1 joint involvement with a gate; is that correct?
2
3 A. Right, but you could also have
4 another airline service you or another airport
5 operator service your aircraft, just
6 turnaround, and you would not have any leases
7 necessarily or subleases or whatever in that
8 area.
9 Q. Would just be a servicing
10 arrangement?
11 A. Right, service arrangement for your
12 aircraft, so you're not leasing anything.
13 You're paying so much per hour for the gate.
14 Q. In other words, passengers to go in
15 and out of the gate; is that correct?
16 A. Right.
17 Q. So there would be at least some
18 arrangement concerning that facility?
19 A. Right, some arrangement, yes.
20 Q. Are you aware of any policy Tower
21 Air has or ever had regarding
22 asbestos-containing materials in any of its

23 facilities?

24 A. No, sir.

25 Q. To your knowledge, did the Port

1 Authority ever instruct Tower Air to notify its
2 patrons that there was asbestos-containing
3 material in Building 213?
4 A. I'm not aware.
5 Q. To your knowledge, did Tower Air
6 ever do that?
7 A. I don't know.
8 Q. Are you aware of them ever having
9 done it?
10 A. No, I'm not aware.
11 Q. Are you aware at the time you were
12 at the Tower Air facility of whether Tower Air
13 placed any signs notifying customers or patrons
14 that there was asbestos-containing material in
15 that building, 213?
16 A. I'm not aware of that happening.
17 Q. You never saw any signs?
18 A. Never saw any.
19 Q. When Tower Air did the renovation
20 in that building, it did not remove all the
21 asbestos-containing material; is that correct?
22 A. That's correct.

23 Q. Approximately half was taken out

24 and half remained; is that correct?

25 A. Yes.

1 Q. What was your involvement with the
2 asbestos removal project? What responsibility
3 did you have?
4 A. I had the responsibility of getting
5 an environmentalist to check the areas that was
6 thought of as being needed to implement the
7 plans or the renovations that were called out
8 by the architect.
9 Q. And the environmentalist you
10 retained was Authentica; is that correct?
11 A. Yes.
12 Q. How did you go about selecting
13 Authentica? What were your criteria?
14 A. They had done work for Tower Air
15 before I got there, so we continued with them.
16 Q. What other facilities did they do
17 work for Tower Air at, what facility did they
18 do work?
19 A. They also did work for Hanger 17.
20 Q. Hanger 17 at JFK?
21 A. Yes.
22 Q. That was another facility that

23 Tower Air operated?

24 A. Yes.

25 Q. Did you oversee the actual

1 abatement process, asbestos abatement process
2 that went on at Building 213?
3 A. I saw a portion of it.
4 Q. What portion is it that you
5 monitored?
6 A. The last, the last half of the
7 project.
8 Q. Why is it that you saw only the
9 last half of the project as opposed to the
10 first half?
11 A. Because I was not there for the
12 first half. It was, when I joined Tower the
13 major portion of the asbestos that had to be
14 removed was removed.
15 Q. Had already been removed?
16 A. Yes.
17 Q. Was that done by a different
18 environmental consultant, or was that also done
19 by Authentica?
20 A. No. I believe it was the same
21 company, Authentica.
22 Q. Who made the determination of

23 whether or not to remove asbestos-containing

24 material in Building 213?

25 A. The determination was made by the

1 need to go into these additional areas either
2 to modify beams or have access to certain areas
3 for the installation of an elevator, doors that
4 had not been specified on the initial plan or
5 by the architect as having to have access to.
6 Q. Who made the determination of
7 whether or not to remove asbestos-containing
8 materials? Would that be --
9 A. The environmentalist.
10 Q. Did they make a determination or a
11 recommendation?
12 A. Determination if we wanted to get
13 involved in a certain area and implement a
14 certain program, the asbestos was in the way,
15 therefore we had to remove it.
16 Q. They gave a recommendation that it
17 had to be removed?
18 A. Right. We're going back to the
19 form.
20 Q. Who at Tower Air agreed with or
21 disagreed with that recommendation?
22 A. Ann Atkabowski.

23 Q. That was solely her responsibility;

24 that was not the responsibility of Mr.

25 Nachtomi?

1 A. I don't know whose responsibility
2 it would have been above the level of Ann
3 Atkabowski, because she's the person I reported
4 to then.
5 Q. Is she still with Tower Air?
6 A. No.
7 Q. Do you know where she's located
8 today?
9 A. I believe she's working in
10 Building 53, but I don't know with what
11 airline.
12 Q. You don't know if she's employed by
13 Delta?
14 A. No, she's not employed by Delta.
15 Q. Delta currently operates Building
16 53; is that correct?
17 A. Yes.
18 Q. But she may be working with a
19 subtenant there?
20 A. Right.
21 Q. What was the cost of the asbestos
22 abatement project at Building 213?

23 A. I don't remember.

24 Q. You say Authentica was the

25 environmental consultant; is that correct?

1 A. Right.
2 Q. Who actually did the removal, which
3 company was that?
4 (Pause)
5 Q. Do you recall?
6 A. I don't want to bet my life on it,
7 but I think it was Ogden Allied. That must be
8 part of the record someplace. You have those
9 records.
10 (Witness confers with counsel.)
11 Q. Do you recall whether Ogden Allied
12 also assisted in some of the renovation work,
13 assisting in taking down partitions in order to
14 get at where the asbestos-containing material
15 was located?
16 A. It's conceivable, yes, they may
17 have taken down some walls that normally could
18 not have been removed without interfering with
19 asbestos, conceivably. But they were not a
20 demolition contractor.
21 Q. They weren't a demolition
22 contractor?

23 A. No.

24 Q. But these were walls that had to be

25 taken down in connection with the renovation

1 project; is that correct?
2 A. Right.
3 Q. So it was convenient to have them
4 do it if they were going to be doing the
5 asbestos abatement too; is that correct?
6 A. Right.
7 Q. By the removing of the walls it was
8 not required -- the asbestos removal was more
9 required by whatever was being done by the
10 renovation; is that correct?
11 A. It was not required by -- the
12 asbestos removal, it was required because you
13 could not remove the wall without disturbing
14 the asbestos, hand-in-hand.
15 Q. And the wall had to be removed to
16 do whatever was required for the renovation?
17 A. Yes, sir.
18 Q. Do you recall that that happened in
19 several locations in the building, where you
20 utilized Ogden Allied's service to take down
21 some of the partitions or the walls?
22 A. In my -- in a portion that I was

23 involved in, it was minimal, the removal of

24 walls or other things were minimal.

25 Q. But there were several walls; is

1 that correct?
2 A. I --
3 Q. You don't recall?
4 A. I don't recall.
5 Q. Was there anybody else from Tower
6 Air who had responsibility in connection with
7 the renovation or asbestos abatement project
8 other than you and Ann Atkabowski?
9 A. Not to my knowledge.
10 Q. Do you recall that in connection
11 with that project, a new spray-on fireproofing
12 was installed?
13 A. Right, yes.
14 Q. Do you recall what material or what
15 product that was that was installed?
16 A. No, I do not.
17 Q. Do you recall who the manufacturer
18 was?
19 A. No, I do not.
20 Q. If I could, let me step back now
21 again, I apologize for jumping back and forth
22 here a bit, back to the period of time you were

23 project manager in the Properties and

24 Facilities Department at Pan Am during the

25 period 1962 to 1975.

1 Do you recall at any time the Port
2 Authority issuing instructions not to use
3 asbestos-containing materials in buildings?
4 A. I do not recall.
5 Q. Do you recall at any time the Port
6 Authority requiring certain procedures be
7 followed if asbestos-containing materials were
8 to be installed at buildings at JFK Airport?
9 A. I do not recall. That's not to say
10 it wasn't. I just don't remember.
11 Q. You don't recall that happening?
12 A. Right.
13 Q. Do you recall in connection with
14 any of the buildings that we talked about that
15 were constructed or expanded in the 1969 to
16 1972 period, whether Pan Am had switched from
17 an asbestos-containing material to a
18 nonasbestos-containing material?
19 A. Not at all, I don't recall, no.
20 Q. Do you recall whether Pan Am did
21 that at any facility throughout the nation?
22 A. No, sir, no.

23 Q. I take it, then, you were not

24 involved in any discussions on whether or not

25 to switch from asbestos-containing fireproofing

1 to a nonasbestos-containing fireproofing; is
2 that accurate?
3 A. That's correct.
4 Q. Going back to the period of time
5 when you were at Tower Air, did you know an
6 individual named Mr. Meserole?
7 A. Yes. Corky Meserole the II.
8 Q. You were refreshed about that with
9 some cards that you have with you.
10 Did you bring any other cards with
11 you today that have some other individuals'
12 names?
13 A. No. I just brought these in, that
14 they were a few cards and I thought in the
15 event the name came up, we'd have the correct
16 spelling.
17 Q. The cards you do have with you, can
18 I take a look at those?
19 (Witness complies with request.)
20 Q. This is a card from Authentica. I
21 see a Michael Theodore, who's the president.
22 A. Yes.

23 Q. Did you have direct contact with

24 Mr. Theodore?

25 A. No. Spiro Dongaris I worked with.

1 Q. An individual named Spiro?
2 A. Dongaris, D-o-n-g-a-r-i-s.
3 Q Spiro, S-p-i-r-o; is that correct?
4 A. I think it's Dongaris.
5 Q. He's the individual who you
6 communicated with directly for the Tower Air
7 abatement project?
8 A. Yes.
9 Q. Did Mr. Dongaris give opinions on
10 whether or not asbestos-containing material
11 should be removed from that building?
12 A. Yes.
13 Q. Did the Port Authority also take up
14 a position on whether certain materials should
15 be removed, certain asbestos-containing
16 materials should be removed from that building?
17 A. Generally speaking, yes, they
18 participated and if not dictated.
19 Q. Who from the Port Authority had
20 that input?
21 A. I can't remember his name.
22 Q. Would it have been Michael Capasso?

23 A. No. Michael Capasso was resident

24 engineer's office. There's a department that

25 just concerned themselves with this processing

1 and monitoring asbestos.
2 Q. Was that the Asbestos Management
3 Division?
4 A. Yeah.
5 Q. Wouldn't have been Mr. McKeever,
6 Mr. Padiro, Mr. San Pierre?
7 A. No. The other name you mentioned?
8 Q. Dick Padiro?
9 A. No.
10 Q. Kevin Bleach, Serge Benjamin?
11 Harry Poole, Sanyog Thorve?
12 A. No. Ask me another question.
13 Q. You don't recall who it was?
14 A. He was a former Pan Amer, too. I
15 just can't think of his name.
16 Q. He was a former Pan Amer?
17 A. Yeah. It's an Italian name. Tony,
18 Anthony.
19 MR. NICYPER: Off the record.
20 (Discussion held off the record.)
21 (Recess taken.)
22 Q. Was the individual's name we were

23 trying to think of Anthony Fontanetta?

24 A. Yeah, Anthony Fontanetta, right.

25 F-o-n-a-n-e-t-t-a I believe.

1 Q. I believe it's F-o-n-t-a-n-e-t-t-a.
2
3 What were Mr. Fontanetta's
4 responsibilities? This is in connection with
5 the Tower Air building; is that correct?
6 A. He didn't get involved in it
7 day-to-day, inspection or field inspection, but
8 I believe he's the head of that small group of
9 the Port Authority at the airport.
10 Q. Is he the one we're talking about
11 that gave directives on whether or not
12 asbestos-containing materials should be removed
13 from the building?
14 A. I don't know if he gave directives
15 as opposed to the environmentalist requirement,
16 satisfying the laws and Port Authority
17 regulations that dictated asbestos had to be
18 addressed as a result of a construction or
19 alteration. But they reviewed the material.
20 They reviewed the material that was submitted
21 and gave that approval.
22 Q. However, somebody from the Port

23 Authority came to the site and would look at

24 areas to be renovated and make a determination

25 of whether it came within the regulations or

1 not?
2 A. Yes.
3 Q. And he was the one who did that?
4 A. He didn't do it on a regular basis.
5 He would do it occasionally, but he had people
6 on his staff or in that department that did it
7 on a more regular basis.
8 Q. He previously worked for Pan Am you
9 said?
10 A. Yes.
11 Q. What was his responsibility at Pan
12 Am?
13 A. I don't recall. I think he was in
14 the industrial engineering or shop activities.
15 Q. Do you know how long he worked for
16 Pan Am prior to its bankruptcy?
17 A. No.
18 Q. In connection with construction of
19 Building 53, you had identified TAMS as being
20 the architect you believe, is that correct, for
21 the expansion project in 1969, 19 --
22 A. Right.

23 Q. Do you recall an individual by the

24 name of S. Sharma (phonetic) from TAMS being

25 involved in that, being one of the architects?

1 A. Name doesn't ring a bell at all.
2 Q. Does the name W. Potter have any
3 significance to you?
4 A. No.
5 Q. Walter Potter from TAMS?
6 A. The names you're mentioning, I
7 would not have remembered those names without
8 you mentioning them, and I don't know where
9 they were in the organization, what their
10 responsibilities were.
11 Q. In terms of Port Authority tenant
12 construction review people, do you recall the
13 name T. Kennedy?
14 A. The name is familiar but that's
15 all. I don't know where, you know, he was.
16 Q. I think we already mentioned the
17 name first initial T last name Finn, F-i-n-n.
18 You don't recall much about that individual?
19 A. No.
20 Q. Do you remember a Sergeant J.
21 Collins from the Port Authority?
22 A. No.

23 Q. Or a Mr. C.K. Brook?

24 A. Yes. Mr. Brook was my boss. He

25 was the manager. At that time they used the

1 term "manager."
2 Q. Does the name first initial H last
3 name Pittel, P-i-t-t-e-l, have any
4 significance?
5 A. Say that again. Pittel?
6 Q. Pittel, P-i-t-t-e-l.
7 A. No.
8 Q. M. Tomasetti, T-o-m-a-s-e-t-t-i?
9 A. It means something to me now, but I
10 don't know if that was the same.
11 Q. You know an individual with the
12 name Tomasetti with the first initial M?
13 A. Just Tomasetti. He's an older
14 gentleman who has a structural engineering
15 firm, but I don't know back then. Could be two
16 different people.
17 Q. Individual, first initial C last
18 name Patallides, P-e-t-a-l-l-i-d-e-s?
19 A. Doesn't ring a bell.
20 Q. Let me show you a document I'd like
21 to mark as Grill Exhibit 6. This is a
22 four-page document dated June 20, 1986 from a

23 firm William Nicholas Bodouva & Associates to

24 the Port Authority, attention Abe Friedman.

25 EXH (Defendant's Grill 6, letter to Abe

1 Friedman from Larry Goldberg dated June
2 10, 1986, was marked for identification.)
3 (Witness peruses document.)
4 Q. Have you had a chance to review
5 that?
6 A. Yes.
7 Q. Do you recall this project referred
8 to in Exhibit 6?
9 A. Yes, I recall this project.
10 Q. What was the nature of the work
11 being undertaken as described in this document?
12 A. I believe it was replacement of
13 ceiling tile and lighting, and I had mentioned
14 before about my partial involvement in the
15 upgrading of gates. Do you recall that,
16 departure gates?
17 Q. Yes.
18 A. Well, I think this was part and
19 parcel of that. And the job was completed or
20 90 percent, 95 percent completed when I got
21 involved in this project. There was another
22 gentleman that was handling this for properties

23 and facilities.

24 Q. Who was that who was handling it

25 prior to you?

1 A. The name is Frank Manka.
2 Q. M-a-n-k-a?
3 A. k-a, right. And he was with Pan Am
4 at the time.
5 Q. This letter is sent to Mr. Abe
6 Friedman. Do you see that?
7 A. Yes.
8 Q. Do you recall what responsibilities
9 Mr. Friedman had at the Port Authority?
10 A. He processed tenant alteration
11 applications.
12 Q. This appears to be a renovation
13 project in or about June 1986; is that correct?
14 A. Right.
15 Q. When you became involved in this
16 project, what were you told about the project?
17 A. Really wasn't told anything about
18 the project, in that the project was completed,
19 and there were loose ends to complete the
20 project. And Frank Manka at that time, or
21 there about, was leaving Pan Am. I don't think
22 he was employed. He was working as a

23 consultant. Okay? And that's about the extent

24 of it.

25 It was something like 12 lounges,

1 and I think there was one to be done; one could
2 have been completed when I got involved. And
3 basically it was replacement of ceiling tile.
4 The black iron and grid were being reused. It
5 was just the ceiling tile at that point.
6 Q. When you say "the black iron and
7 grid" when you talk about ceiling tile, those
8 are often ceilings that we see as we stand in a
9 room and look up, you can seek the tile right
10 above you; is that correct?
11 A. Exactly.
12 Q. And then actually substantially
13 above that is the actual structural ceiling
14 in the room; is that correct?
15 A. Exactly.
16 Q. There's usually some space, it
17 varies from building to building, between the
18 ceiling tile and the actual structure of the
19 ceiling above it; is that correct?
20 A. Right.
21 Q. What you're talking about here,
22 then, is for that ceiling tile that we see,

23 that is often placed in a metal grid that hangs

24 down from the true ceiling; is that correct?

25 A. Precisely.

1 Q. Did this project, to your
2 recollection, involve an asbestos abatement?
3 The project I'm referring to is what is
4 referred to here in Grill Exhibit 6.
5 A. I don't recall that it did,
6 asbestos abatement. But I think what was done
7 was for dust control. To separate the work
8 area with the public area, these lounges were
9 taped off with polyethylene.
10 Q. This is in Building 53; is that
11 correct?
12 A. Yes.
13 Q. Up above where the ceiling tile
14 was, was there asbestos-containing fireproofing
15 on the structural steel?
16 A. In most of the corridors -- or
17 lounges, gate lounges, departure lounges, yes.
18 I don't want to say specifically in this area
19 because I don't know.
20 As you said before, this is a
21 connecting corridor from the old building you
22 described before, to the new building.

23 Q. But in the other one, you said

24 there were separate gates involved in this

25 process and lounges; is that correct; this is

1 one aspect of a larger project?
2 A. Right.
3 Q. In those general areas, in most
4 instances when you say most of the lounges,
5 those did involve or did have an
6 asbestos-containing fireproofing above this
7 drop tile ceiling; is that correct?
8 A. Right.
9 Q. But the work was done without
10 having to remove the asbestos-containing
11 fireproofing; is that correct?
12 A. Right, because that was 10 feet
13 above the hung ceiling. Eight to ten, six.
14 You could stand there and maybe not be able to
15 touch the structural slab.
16 Q. So there was no need in that
17 instance to remove the asbestos-containing
18 material, correct?
19 A. Yes.
20 Q. This, however, this letter is
21 responding to comments from the Port Authority;
22 is that correct?

23 A. Yes.

24 Q. For example, if you look on page 2

25 of the letter, there's a comment there, if you

1 look at Comment 7.
2 Let me clarify one thing. I should
3 have done it earlier. If you look at the last
4 page of the letter, this identifies you as
5 having been sent a copy; is that correct?
6 A. Yes.
7 Q. Also identifies a copy being sent
8 to Mr. Billett, who I believe you've already
9 discussed?
10 A. Right.
11 Q. Also identifies a Mr. first initial
12 D last name King?
13 A. King, right.
14 Q. What were Mr. King's
15 responsibilities?
16 A. I reported to Mr. King.
17 Q. At this point in time --
18 A. Yes.
19 Q. -- what was his title?
20 A. I believe it was systems director.
21 Q. What system did he direct?
22 A. The construction of new projects,

23 as well as building maintenance operations and

24 was formally a pilot.

25 Q. Do you know for how long he had

1 this responsibility prior to 1986?
2 A. No, I don't. I believe it was in
3 the area of maybe three, four years.
4 Q. Did you know for how long he had it
5 after 1986?
6 A. No, can't say as I recall.
7 Q. Do you know when he left Pan Am,
8 where he went?
9 A. Back to flying.
10 Q. Do you know who he currently flies
11 with?
12 A. Delta.
13 MR. NICYPER: Off the record.
14 (Discussion held off the record.)
15 Q. Now if you would refer, please, to
16 page 2 of Exhibit 6, again Comment 7, is it
17 your understanding that's a comment from the
18 Port Authority to the architects regarding this
19 project?
20 A. Yes.
21 Q. That refers there to, states that
22 "The contract drawings and specifications do

23 not adequately address the proper handling of

24 asbestos-containing material in the event the

25 material is prevalent in the work site."

1 Do you see that?
2 A. Yes.
3 Q. Then as a result asks the
4 following, that various procedures be followed.
5 Do you see that?
6 A. Yes.
7 Q. One is that a survey, the area be
8 surveyed. Do you see that?
9 A. Yes.
10 Q. The next is that bulk sampling be
11 performed. Do you see that?
12 A. Yes.
13 Q. And then the third is that if
14 asbestos is present, to remove and dispose of
15 the material. Do you see that?
16 A. Yes.
17 Q. These are all directives by the
18 Port Authority; is that correct?
19 A. Yes.
20 Q. Do you recall whether Pan Am
21 undertook each of these three activities?
22 A. I can't say as I do. It's not

23 clear to me. I can't picture that. If it

24 happened or it didn't happen, I don't know. Or

25 if it was required, I don't know.

1 Q. In any event, the Port Authority
2 would have had somebody on site to approve what
3 was being done; is that correct?
4 A. Yes, undoubtedly a plan would have
5 had to have been submitted as to what was
6 involved and what to do.
7 Q. The Port Authority would have an
8 inspector from the resident engineer's office
9 oversee the project or periodically monitoring
10 the project?
11 A. Yes, I would suspect yes, that
12 would have been the routine.
13 Q. That was the standard procedure?
14 A. Right.
15 Q. If you look on the third page,
16 Comment 9 states, "Place Note on Drawings: The
17 architect/engineer shall periodically inspect
18 the construction site to insure that there is
19 no asbestos present." Do you see that?
20 A. Yes.
21 Q. Do you recall if that was done?
22 A. No, I can't honestly say that it

23 was or was not done.

24 Q. You just don't know either way?

25 A. I don't recall, right.

1 Q. Do you recall at this point in
2 time, June 1986, whether a survey had been done
3 in the building to evaluate asbestos-containing
4 materials?
5 A. I really don't remember if a survey
6 was or was not done. In the entire building
7 we're speaking of?
8 Q. Yes.
9 I guess, in any event, it was known
10 that the fireproofing was asbestos-containing
11 in the building?
12 A. Right, and I don't know how they
13 came to those conclusions.
14 Q. You don't know what other
15 asbestos-containing materials were in the
16 building, do you?
17 A. No.
18 MR. NICYPER: I don't have any
19 further questions at this time.
20 We have just received some
21 documents from TOGA. I don't anticipate
22 that would require calling you back,

23 taking any more of your time, but

24 certainly I reserve our right should that

25 be necessary, to be able to do that.

1 Again, I don't anticipate that being the
2 case.
3 Thank you very much for coming
4 today.
5 THE WITNESS: You're welcome.
6 MS. GRUENLOH: I don't have any
7 questions.
8 (Time noted: 4:25 p.m.)
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25

1 C E R T I F I C A T I O N O F W I T N E S S

2

3 I have read the foregoing transcript of my

4 deposition and find it to be true and accurate

5 to the best of my knowledge and belief.

6

7

8

9

10 ----------

11 FRANK GRILL

12

13

14

15 Sworn and subscribed to before me on

16 this_____day

17 of_____, 1996

18

19

20

21 Notary_____

22 My Commission Expires_____

23

24

25

1 C E R T I F I C A T E

2 STATE OF NEW YORK)
: ss.
3 COUNTY OF NEW YORK)

4 I, EILEEN CAMPBELL, a Shorthand
5 Reporter and Notary Public within and for
6 the State of New York, do hereby certify:
7 That FRANK GRILL, the witness whose
8 deposition is hereinbefore set forth, was
9 duly sworn by me and that such deposition
10 is a true record of the testimony given by
11 that witness.
12 I further certify that I am not
13 related to any of the parties to this
14 action by blood or marriage, and that I am
15 in no way interested in the outcome of
16 this matter.
17
18 ----------
19 EILEEN CAMPBELL
20
21
22

23

24

25

UNITED STATES DISTRICT COURT

SOUTHERN DISTRICT OF NEW YORK

----------x

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY (formerly known as "The Port of New York Authority") and PORT AUTHORITY TRANS-HUDSON CORPORATION,

Plaintiffs,

-against-

ALLIED CORPORATION (individually and as a subsidiary of "Allied-Signal, Inc."), et al.,

Defendants.

----------x

(Caption continues - page 2)

One Liberty Plaza
New York, New York

January 6, 1997
9:30 a.m.

EXAMINATION BEFORE TRIAL of the Plaintiff, The Port Authority of New York and New Jersey, by MARVIN KIRSHNER.

PRIORITY-ONE
Court Reporting Services
899 Manor Road

Staten Island, New York 10314
(718) 761-0527

----------x

UNITED STATES MINERAL PRODUCTS COMPANY and DALEN (formerly Isolatek Corp.),

Third-Party Plaintiffs,

-against-

TISHMAN REALTY AND CONSTRUCTION CO., INC., et ano.,

Third-Party Defendants.

----------x

One Liberty Plaza
New York, New York

January 6, 1997
9:30 a.m.

EXAMINATION BEFORE TRIAL of the Plaintiff, The Port Authority of New York and New Jersey, by MARVIN KIRSHNER.

PRIORITY-ONE
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899 Manor Road
Staten Island, New York 10314
(718) 761-0527

24

25

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BY: LEONARD SILVERMAN, ESQ.

** ** **

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4

5 EXHIBITS

22

23

24

(Continued)

25

JFK BLDG
53 DAMAGES

FOR ID	DESCRIPTION	PAGE
8	Seven-page document dated 9-22-92 entitled "Final Product Identification Statement for Building and Products at Issue"	112
9	Multi-page document whose first page bears the heading "JFK International Airport Building No. 53 Asbestos Removal Cost Estimate, July, 1996, Prepared by Sanyog Thorve"	119
10	Multi-page document on 11-inch paper whose first page bears the Bates number PA0277574	133
11	Series of stapled construction drawings with Bates numbers PA0276842 through and including PA0276867 with an additional drawing Bates stamped PA0276903 inserted between 847 and 848	142

24

25

M A R V I N K I R S H N E R,

called as a witness, having been first duly sworn, was examined and testified as follows:

EXAMINATION BY

MR. SILVERMAN:

Q. Good morning, Mr. Kirshner.

A. Good morning.

Q. Today's deposition concerns the issue of damages alleged by plaintiffs as a result of asbestos-containing products installed at JFK Airport Building 53. Do you understand?

A. Yes.

Q. I will be asking you some questions today regarding these alleged damages. If you do not understand any of my questions, please let me know and I will gladly repeat it or rephrase it as necessary.

If you need a break at any time, just say so and we will be happy to accommodate you. Please be sure to answer all

24 my questions out loud in that the court

25 reporter is unable to record bodily gestures

such as nods of the head or shrugs of the shoulders. Do you understand?

A. Yes.

Q. Please state your full name for the record.

A. Marvin Kirshner.

Q. Mr. Kirshner, what is your business address?

A. One World Trade Center, 72 East, New York, New York 10048.

Q. Is there any reason why you will not be able to provide accurate and truthful answers to my questions today?

A. No.

Q. Did you do anything to prepare yourself for today's deposition?

A. I looked over the 1996 estimate.

Q. When you say "looked over," what do you mean?

A. I reviewed it.

Q. How much time did you spend reviewing that 1996 cost estimate to prepare

24 yourself for today's deposition?

25 A. Less than one hour.

Q. Did you review it in the presence of anybody?

A. Sanyog Thorve was sitting there during this review.

Q. Was anyone else present during that review?

A. No.

Q. Did you or Mr. Thorve have substantive dialogue concerning the cost estimate?

A. No, except that the building is a very complex building as far as vertical levels, and it's difficult to see because the building is so large and so complex from the plans themselves what the relationship between the levels are.

Q. It would certainly be helpful to me, Mr. Kirshner, if we took a moment to discuss the levels of the building and to assist us in that endeavor. I will ask the court reporter to mark as JFK Building 53 Damages Exhibit 1 a stapled set of four

24 drawings on 17-inch paper.

25 (Thereupon, a stapled set of

four drawings on 17-inch paper was marked JFK Building 53 Damages Exhibit 1 for identification.)

Q. Mr. Kirshner, I show you what the court reporter has marked Damages Exhibit 1 for JFK Building 53. Have you seen this document before?

A. Either this document or documents which show similar information.

Q. I will note for the record that the four drawings are captioned the first through fourth floor, is that correct?

A. Yes.

Q. Generally speaking, in making reference to the drawings that comprise Exhibit 1, would you please describe for me the layout of JFK Building 53? In particular in your description, explain what you meant by the complex levels that exist in the building.

A. First of all, the set of drawings here unfortunately doesn't have the drawing number which is in the lower

24 right-hand corner of any of the drawings, but

25 the drawings are the first, second, third and

fourth floor elevations -- plans of the building.

The first floor is below the apron area, and it's an area which is for the most part baggage handling and baggage pickup areas. It also includes a customs hold, so that is an area that is essentially below the deck, and that area is only of the pentagonal building area.

There are two buildings that comprise this set of buildings. Building 53 consists of an elliptical building and a pentagonal building attached to it, so this area which is called the first floor which is below the apron area is the area that the planes travel on and includes baggage handling, international arrival operations checking areas, custom counters.

It also includes a mens' and ladies' room and a pilots' lounge and some storage areas. The building is arrived at from the inside and outside. The baggage is

24 brought in from ramps which are on the north

25 side of the pentagonal area.

Q. And all that you have spoken of just now was in reference to the first of the four drawings?

A. Only the first of the four drawings, and someone has marked the drawing in the left-hand portion as the first floor. Also on this first drawing is a cross-sectional area which shows the other floors.

The second floor is the floor that is at the same level as the apron deck and includes baggage handling, operational areas and mechanical room, kitchen areas, some local maintenance offices and service areas.

It also includes some crew areas, and I'm leaving out the eliptical building area, which is on the first level. They have some baggage handling and mechanical rooms. All of that is on the second floor.

Q. Does the eliptical portion of JFK Building 53 have a below-the-apron level?

A. No.

24 Q. Is the portion of Building 53

25 diagrammed on the second of the four drawings

of Exhibit 1, in essence, the ground level of the building?

A. Yes.

Q. I was thrown somewhat by the misnomer "second floor."

A. Yes.

Q. But it really is the ground level?

A. It's the ground level.

Q. Turning now to the third of the four drawings that comprise Exhibit 1, what can you tell me about the complexities of the building?

A. The third floor is marked as the -- the drawing is marked as third floor. The eliptical area is the check-in counter and meeter/greeter area. The building itself on this floor contains gates, passenger services, aisles to the gates, mens' and ladies' rooms, a couple of first class lounges, sales offices, miscellaneous passenger services for the arriving and departing passengers.

24 Q. Generally speaking, Mr.

25 Kirshner, do passengers embark and debark from

aircraft through gates located in both the eliptical portion of Building 53 and the pentagonal portion of Building 53?

A. Generally speaking, yes, but the cost of the configuration and constraints of the site on which this building is located -- only smaller planes can reach the gates that serve the eliptical building. The larger planes can dock at the third floor for the pentagonal building.

Q. Finally, there is what is referred to in the last drawing as the fourth floor, is that correct?

A. Yes.

Q. This actually is a level of Building 53 that sits three floors above the tarmac level, is that correct?

A. Yes.

Q. What is reflected in the last of the four drawings on Exhibit 1?

A. In the eliptical building, the top floor is the cocktail lounge, kitchens and

24 services of that nature, and part of it only.

25 In the pentagonal building a smaller portion

of the whole area is covered by offices which are noted as passenger service offices and other offices of that type and a central mechanical equipment room.

The balance of the roof and the larger portion of the pentagonal building, the entire portion on the south of the building is a parking deck. At the far southeast area is an observation deck.

Q. Generally speaking, are there any other noteworthy points about JFK Building 53 that are reflected in the drawings of Exhibit 1 that you would like now to bring to my attention?

MR. CAMPBELL: Object to the form of the question.

A. (No response)

Q. You may answer the question.

A. No.

Q. When did you and Mr. Thorve confer regarding the 1996 cost estimate?

A. I don't recall the exact date.

24 It was sometime last year, October, perhaps.

25 We also talked last week for one hour. We

also talked when we prepared the estimate and submittal before then.

Q. Did you review with him last week during your meeting the particular fireproofing work areas that he designated in the 1996 cost estimate?

A. Yes.

Q. You spent time reviewing the drawings that accompanied the 1996 cost estimate?

A. Yes.

Q. During last week's meeting with Mr. Thorve, did you raise any concerns or issues with him regarding any aspect of the 1996 cost estimate?

A. No.

Q. In reviewing that cost estimate for today's deposition, was there anything that made you uncomfortable?

A. No.

Q. Other than reviewing that 1996 cost estimate, was there any other document

24 that you reviewed to prepare yourself for

25 today's deposition?

A. No.

Q. Other than meeting with Mr. Thorve, did you speak with anyone else at the Port Authority regarding today's deposition?

A. With my attorney as to where we were going to meet, and we decided to meet here.

Q. Your attorney today is Mr. John Campbell?

A. Yes.

Q. Other than coordinating a meeting place for this morning's deposition, did you confer with Mr. Campbell regarding some questions that I might ask you today?

A. No.

Q. Did you consult with Mr. Campbell as to what your answers might be to questions I might put to you today?

A. No.

Q. Did you bring with you today any documents regarding JFK Building 53?

A. No.

24 Q. Does JFK Building 53 have a name

25 other than JFK Building 53?

A. When Pan Am operated the building, it used to be called World Port.

Q. Did Pan Am relinquish its interest in Building 53 when it filed for bankruptcy protection?

A. No.

Q. Does Pan Am today retain an interest in Building 53?

A. No.

Q. When did Pan Am relinquish its interest in Building 53?

A. It did not. Pan Am made an agreement directly with Delta, and Delta took over the building directly from Pan Am with all of the benefits and obligations that go with it.

Q. Did Pan Am assign a lease that it had with the Port Authority directly to Delta?

A. Yes.

Q. When did that assignment transpire?

24 A. I don't recall.

25 Q. Approximately when?

A. Eight years ago, nine years ago.

Q. Certainly not more than 10 years ago, is that correct?

A. I'm not certain. It could have been.

Q. It might have been 15 years ago?

A. I was not with the Port Authority 15 years ago, so I wouldn't know. I know when I joined the Port Authority in 1986 Pan Am had either departed from the facility or was in the process of doing so, so it was around that year.

Q. Is Building 53 owned by the Port Authority?

A. Yes, in the sense that we own the building unless we have to give the building and the property back to the City of New York.

Q. Pursuant to an assignment that took place between Pan Am and Delta, does the Port Authority today lease Building 53 to Delta Airlines?

24 A. I don't know the details of the

25 lease arrangement. It was my understanding

that the agreement was between Pan Am and Delta with the approval of the Port Authority.

Q. Does the Port Authority today lease Building 53 to Delta?

A. Yes.

Q. Does the Port Authority lease a portion of Building 53 to an entity other than Delta?

A. Not that I know of.

Q. Does Delta, in turn, sublease portions of Building 53 to third parties?

A. I don't know.

Q. When does the lease between the Port Authority and Delta expire?

A. I don't know.

Q. Does that lease agreement contain a provision regarding who is responsible for repairs, maintenance and renovations at Building 53?

A. I don't know.

Q. Does that lease agreement contain a provision regarding who is

24 responsible for any costs associated with

25 asbestos abatements or asbestos operations and

maintenance plans?

A. I don't know.

Q. Who is responsible for costs associated with asbestos abatements at JFK Building 53?

A. It's my understanding that when any renovations are performed in Building 53 that Delta does the asbestos abatement as a part of the renovations.

Q. Does Delta seek reimbursement from the Port Authority for any costs associated with asbestos abatement work at Building 53?

A. I don't know.

Q. Who is responsible for costs associated with asbestos operations generally and in particular operations and maintenance plans at Building 53?

A. I don't know the full answer to that.

Q. Do you believe that it is Delta?

A. I believe for most operations it

24 is Delta. The Port Authority may have some

25 responsibilities.

Q. Who at the Port Authority is most knowledgeable today regarding the present leasing arrangements in effect for Building 53?

A. Linda Moses.

Q. Does the Port Authority own the land upon which JFK Building 53 sits?

A. No.

Q. Who does own that land?

A. New York City.

Q. Is there a lease running from New York City to the Port Authority for the land upon which Building 53 sits?

A. Yes.

Q. When is that lease due to expire?

A. It's my understanding that the expiration date is the year 2015.

Q. What will happen when the lease expires in 2015?

A. I don't know.

Q. Will the land revert back to the

24 City of New York unless the City of New York

25 extends its lease with the Port Authority or

enters into a new lease with the Port Authority for the land?

A. Yes.

Q. If that scenario should come to pass, namely a reversion of the interest in the land back to the City of New York, will the City of New York at that point own Building 53 as well?

A. Yes.

Q. Does Building 53 serve any purpose other than a passenger terminal?

A. To the best of my knowledge, no.

Q. For instance, it doesn't serve as a clearing station for cargo, is that correct?

A. Right.

Q. Does Building 53 in its entirety, namely the eliptical portion as well as the pentagonal portion, have approximately 700,000 square feet?

A. I thought it was larger than that.

24 Q. How many square feet do you

25 believe Building 53 has?

A. I thought the pentagonal portion itself had about 750,000 square feet, and the eliptical portion -- that's additional footage.

Q. How much additional square footage does the eliptical portion of Building 53 have?

A. I don't recall.

Q. Do you have an understanding in terms of a ballpark figure?

A. Well, just based upon the area it must be another 200,000 or so.

Q. But it might be more than that, is that correct?

A. Right.

Q. Have you visited Building 53 during your tenure as a Port Authority employee for work-related purposes?

A. Yes.

Q. How often?

A. Several times.

Q. More than five?

24 A. It depends on whether you are

25 going to relate the work-related purposes to

the asbestos area, or is it going to include other areas?

Q. What other areas might it include?

A. Constraints on doing work outside for the Building 53 operations and adjacent building operations and other things that relate to other work that my group does.

Q. Other work not having asbestos?

A. Right.

Q. Approximately how many times have you visited Building 53 during your tenure as a Port Authority employee for work-related purposes regarding asbestos and asbestos issues?

A. Two or three times.

Q. When?

A. One detailed visit back when we submitted the 1991 estimate and a couple of other times that were related to smaller programs and asbestos. The mechanical rooms were the key.

24 Q. I don't understand what you

25 meant when you said, "The mechanical rooms

were the key."

A. The Port Authority in conjunction with outside parties has installed a cogeneration system at the airport where hot water is supplied to the terminals by someone who is an outside operator located in the airport, and in conjunction with that program we had to bring new hot water lines to all of these mechanical rooms. As part of that program, I visited those mechanical rooms.

Q. Did the visits to those mechanical rooms have any bearing on asbestos and asbestos issues?

A. Yes, they did.

Q. Why?

A. Because part of the asbestos had to be removed as part of this installation.

Q. You didn't personally prepare the 1991 cost estimate for Building 53, is that correct?

A. Right.

Q. Mr. Charles Kondakjian did?

24 A. Yes.

25 Q. Nevertheless, you visited

Building 53 in connection with the preparation of that earlier cost estimate, is that correct?

A. In connection with the review of it before it was finally approved.

Q. Did Mr. Kondakjian accompany you during that visit?

A. Yes.

Q. I believe you mentioned that that was a lengthy visit, is that correct?

A. It was an entire day, yes.

Q. What did you do during that visit?

A. To the areas that we had access to, we took a look at the asbestos. At the time, because we didn't have access to the Pan American Airlines records and drawings, we were just trying to get a feel as to the building itself and the building areas.

Q. At the point in time that you and Mr. Kondakjian visited Building 53 together, the cost estimate had already been

24 prepared, is that correct?

25 A. Yes.

Q. Did you and Mr. Kondakjian encounter any difficulty in accessing for purposes of visual inspection the fireproofing in Building 53 during that inspection?

A. As I recall, we did.

Q. Where?

A. I don't recall where.

Q. Did you have difficulty in visually observing most of the fireproofing during that inspection?

A. We didn't try to see all of the fireproofing. What we tried to see was the typical fireproofing that would relate to beams in the ceiling, the mechanical rooms and other key areas. We had some difficulty in seeing it. The mechanical rooms, as I recall, were accessible and we were able to go through those, but there were some areas that we could not get into.

Q. My understanding is that accessibility difficulties can take the form of a locked door, and it can also take the

24 form of a particular type of ceiling that does

25 not permit inspection of the fireproofing

above it. With that in mind, Mr. Kirshner, what type of difficulties did you and Mr. Kondakjian experience when you visited Building 53 together?

A. I don't recall.

Q. Did you make any observations during that inspection of the fireproofing in Building 53?

A. I'm certain I did, but I don't recall what they were.

Q. Did you take any notes?

A. No.

Q. Did Mr. Kondakjian take any notes?

A. I don't recall.

Q. Did either you or Mr. Kondakjian take any photographs?

A. Not during that visit.

Q. Did either you or Mr. Kondakjian take any measurements?

A. We would usually pace areas out to determine if the size was as we had thought

24 it was, but I don't specifically recall taking

25 measurements.

Q. Did you make it a practice to accompany Mr. Kondakjian on an inspection of each of the buildings for which he had prepared a cost estimate?

A. Some of the buildings. Not all.

Q. Why did you accompany Mr. Kondakjian on an inspection of Building 53 when it was not your practice to inspect each of the buildings for which a Kondakjian cost estimate was prepared?

A. I did so because the estimated cost of abating the asbestos in the building was high.

Q. When you say "high," do you mean that because the building was so vast that the price tag was quite high, or do you mean that Mr. Kondakjian's estimate struck you as being uncomfortably high in the context of a cost estimate prepared for litigation purposes?

A. The former is true.

Q. Following the inspection of Building 53 undertaken in Mr. Kondakjian's

24 company, did you direct him to revise or

25 amend or change in any way his cost

estimate?

A. I don't recall.

Q. Do you recall harboring any concerns about the cost estimate that he had prepared after your inspection of Building 53?

A. No, I don't.

Q. Do you recall articulating to Mr. Kondakjian any such concerns?

A. No.

Q. Were you inspecting asbestos-containing materials other than fireproofing during that inspection?

A. Yes.

Q. What other materials were you inspecting?

A. Pipe insulation, VAT. I don't recall what else.

Q. Generally, where do you recall the fireproofing in Building 53?

A. On the beams that supported the various floors and overspray and mostly in the pentagonal building.

24 Q. Why mostly in the pentagonal

25 portion of Building 53?

A. The eliptical building is a post-tension concrete deck that was not constructed with steel beams.

Q. It has no steel superstructure?

A. There may be some steel superstructure for areas below the roof area, but there is no main superstructure. The superstructure itself is that eliptical deck and roof and it's concrete.

Q. Were you able at that time to ascertain whether or not the fireproofing that was noted by you as "overspray" was intentionally applied to adjacent decking or unintentionally applied?

A. I don't recall.

Q. Did you make any observations at the time about the general condition of the fireproofing in Building 53?

A. I'm certain I did, but I don't recall what they were.

Q. Do you recall any portions of Building 53 where fireproofing was damaged in

24 some way?

25 A. There may have -- there may have

been some water damaged areas, but they were minor.

Q. Did you make any observations at that inspection regarding the general condition and state of repairs of Building 53?

A. No.

Q. Did you observe any roof damage?

A. We assumed that the water damage that we saw was because of some roof damage, but we did not observe the roof. We did not go up to the roof.

Q. Did you observe other portions of Building 53 that had been damaged by water other than the fireproofing?

A. I don't recall.

Q. I will now ask the reporter to mark as JFK Building 53 Damages Exhibit 2 a March of 1992 condition survey.

(Thereupon, a condition survey dated March of 1992 was marked JFK Building 53 Damages Exhibit 2 for identification.)

Q. Mr. Kirshner, I show you what

24 has been marked as Exhibit 2. Have you seen

25 this document before?

A. I don't recall seeing it.

Q. What is it?

A. It's a condition survey performed by a consultant for the Port Authority of Building 53.

Q. Why was such a condition survey commissioned by the Port Authority?

A. At the time in 1990, 1991, 1992, we were finalizing our determination of what action we might be taking against the Pan Am trustees, Pan Am in bankruptcy, and this would be part of that where we were trying to determine the condition of the building which had been occupied since it was built by Pan Am until sometime before 1992.

Q. Do you know whether or not this document attempted to assess the condition of fireproofing in Building 53?

A. (No response)

Q. Offhand.

A. Well, as I'm going through this I see the word "fireproofing," one little

24 item, but I don't think this was a major

25 factor here. This was mainly to look at the

structural systems, the structure and the operational, mechanical and electrical systems.

Q. On the top of all of the interior pages in the middle are internal page numbers 2 through 16. Please turn to page 2 of Exhibit 2. In the bottom half of the page, Item No. 1 for the roof location says "Replace the roofing, flashing and roof drains over the entire UTB." Do you see that?

A. Yes.

Q. Have I read that correctly?

A. Yes.

Q. What is a UTB?

A. I don't know.

Q. Have you ever heard that acronym used in connection with Building 53?

A. No.

Q. Was there a problem with the roof at the UTB portion of Building 53 such that a recommendation was made to replace roofing, flashing and roof drains?

24 A. I don't know.

25 Q. Please turn to the very bottom

of page 5. Do you see that the third item in the mezzanine and club level structure reads "Replace the missing and damaged fireproofing at the exterior columns of the mechanical and office area." Do you see that?

A. Yes.

Q. Can you tell me anything about that?

A. No. I don't know anything about that.

Q. Please turn to the middle of page 7. Do you see that the ninth recommendation for the departure and concourse portion of the UTBE reads "Replace the spray fireproofing as required." Do you see that?

A. Yes.

Q. Can you tell me anything about that?

A. No.

Q. Can you tell me what the UTBE is?

A. No.

24 Q. Please turn to the bottom of

25 page 8. Do you see that? The fifth

recommendation for the mechanical and apron areas of the UTBE is "Repair all the sprayed-on fireproofing and minor corrosion on steel beams." Do you see that?

A. Yes.

Q. Can you tell me anything about that?

A. No.

Q. Please turn to the very top of page 10. The fifth recommendation for the east and west customs area of the UTBE is to "Remove all rust and repaint and repair the spray-on fireproofing at girders on each side of leaking expansion joints from..." Do you see that?

A. Yes.

Q. Can you tell me anything about that?

A. No.

Q. Please turn to the lower half of page 12. The fifth recommendation for the operations and travel service areas of the

24 UTBE reads "Replace all the missing

25 fireproofing of the steel beams along the

inside face of the exterior walls below the expansion joints." Do you see that?

A. Yes.

Q. Can you tell me anything about that?

A. No.

Q. Who is the person at the Port Authority today most knowledgeable regarding the location, quantity and type of asbestos-containing products in Building 53?

A. Sanyog Thorve.

Q. He prepared the 1996 cost estimate, is that correct?

A. Yes.

Q. Who else at the Port Authority is knowledgeable?

A. Anthony Fontanetta.

Q. Who is Anthony Fontanetta?

A. He is one of the persons in the resident engineer's office at the facility who was involved in asbestos sampling and monitoring.

24 Q. He is stationed at JFK Airport?

25 A. Yes.

Q. Is he stationed physically at Building 53?

A. No.

Q. Where is he located?

A. Building 14.

Q. What is his formal title?

A. I don't know.

Q. Who is the current custodian or other person responsible for maintenance generally at Building 53?

A. I don't know.

Q. You joined the Port Authority in 1986, correct?

A. Yes.

Q. Have you at any time in the last 10 years known who is responsible for maintenance at Building 53?

A. No.

Q. Has any asbestos-containing fireproofing ever been removed from Building 53?

A. Yes.

24 Q. Has any asbestos-containing

25 fireproofing been removed from Building 53 for

which plaintiffs seek cost recovery as part of this litigation?

A. I don't know.

Q. I will show you what I will ask the court reporter to mark as JFK Building 53 Damages Exhibit 3.

MR. CAMPBELL: Could we take a five-minute break?

MR. SILVERMAN: Certainly. Let me just finish identifying the document. While the court reporter is marking it we can take a break. The document has a cover page memorandum authored by Kevin Bleach dated July 19, 1996 attached to a computer-generated chart of asbestos abatement projects dated July 19, 1996.

(Thereupon, a cover memorandum authored by Kevin Bleach dated July 19, 1996 attached to a computer-generated chart of asbestos abatement projects dated July 19, 1996 was marked JFK Building 53 Damages Exhibit 3 for identification.)

24 (Recess taken)

25 Q. Mr. Kirshner, let me show you

what has been marked as Exhibit 3. Have you seen this document before?

A. Partly.

Q. What part?

A. I have not seen the first page, but I have seen the other pages without the note on top of the page which has a number on the bottom of 349.

Q. You haven't seen the Bleach memorandum to the file, is that correct?

A. Right.

Q. But you have seen the attached computer-generated chart of asbestos abatement projects sans the handwriting on the first page of that chart on the upper right-hand corner?

A. Right.

Q. Is this chart of asbestos abatement projects the most current version of the chart?

A. (No response)

Q. I note it is dated July 19,

24 1996.

25 A. I don't recall anything that was

more recent. I would say yes.

Q. Is any of the asbestos-containing fireproofing reflected in the asbestos abatement projects part of plaintiffs' cost recovery efforts?

A. I don't know.

Q. Who would know?

A. Ezra Bialik.

Q. Directing your attention for the moment to the first page of Exhibit 3, is it your understanding that Mr. Bleach's adjustments to the cost estimate for Building 53 are the most up-to-date cost estimate data for the subject building?

A. They were up-to-date as of 7-19-96, the date of the memorandum. There may have been some work done since that time.

Q. This memorandum was prepared by Mr. Bleach subsequent to Mr. Thorve's preparing the 1996 cost estimate, is that correct?

A. Yes.

24 Q. And the adjustment arithmetic

25 that is reflected on the first page of Exhibit

3 is an adjustment to the calculations of Sanyog Thorve, is that correct?

A. Yes.

Q. Have there been any renovations at Building 53 that may have impacted on the location of asbestos-containing fireproofing?

A. Yes.

Q. What renovations?

A. As noted in Exhibit 3, there are many renovations which included the removal of some fireproofing. There is a column, the sixth column from the left, which is a product column and there are many items under that column noted as "FP," fireproofing.

Q. I will note for the record as well that the right-most column whose heading is "Reason" makes frequent reference to renovations as the reason for a particular abatement, is that correct?

A. Yes.

Q. Have you ever directed anyone to investigate whether any fireproofing not

24 reflected on the chart in Exhibit 3 has been

25 removed from Building 53?

A. Yes.

Q. Who?

A. Sanyog Thorve.

Q. Did he, in fact, conclude an investigation?

A. He looked into the full list of all of the asbestos removal jobs performed by the Port Authority or by tenants that we have a record of, and he concluded that there were many, many projects in which small amounts of fireproofing have been done -- have been removed in Building 53.

We therefore made the decision to perform our removal estimate for the asbestos in Building 53 on the basis of no jobs being performed and remove all of the asbestos as if all of the fireproofing were asbestos, and then make a subtraction based on a square footage basis an average price basis of all of the fireproofing that has already been removed.

Q. Is it true, then, that none of

24 the fireproofing reflected on the

25 computer-generated chart in Exhibit 3 is part

of plaintiffs' cost recovery effort in connection with this litigation, correct?

A. I don't know.

Q. Well, if Mr. Thorve in preparing the 1996 cost estimate removed from consideration quantities of fireproofing square footage that had already been abated and the chart in Exhibit 3 is a comprehensive chart of abatement activity in Building 53, then doesn't it necessarily follow that the fireproofing quantities reflected on the chart in Exhibit 3 have been excluded from the Port Authority's present cost recovery effort as part of this litigation?

MR. CAMPBELL: Objection.

A. I still don't know, because I was not -- I'm not a part of that program to decide what will be a part of this litigation and what will not be. I do know that when we prepared our estimate in 1996 we decided that since there were so many areas of fireproofing that had already been abated that it was much

24 more reasonable and conservative for us to

25 remove the fireproofing in the large areas

that we did use and then subtract all of the already abated fireproofing in one lump sum at the average unit price.

Q. Is it possible that there was abatement activity in Building 53 that is not reflected on the chart in Exhibit 3?

A. Yes.

Q. Are you aware of any actual instances where abatement of asbestos-containing fireproofing has transpired in Building 53 that is not reflected on chart of abatement projects?

A. No.

Q. It is possible for a tenant, in this case Delta, to remove fireproofing without the Port Authority's knowledge, correct?

A. It would be difficult to do, but it's possible.

Q. Similarly, it was possible for Pan Am, the former tenant, to have removed asbestos-containing fireproofing without the

24 Port Authority's knowledge, is that correct?

25 A. Yes.

Q. Do you today have any work related responsibilities regarding the damages claimed by plaintiffs resulting from asbestos-containing fireproofing in Building 53?

A. Yes.

Q. What responsibilities do you presently shoulder as they relate to asbestos fireproofing in Building 53?

A. The cost estimates used for this litigation are prepared under my supervision.

Q. Do you also supervise all asbestos abatement programs for Building 53?

A. No.

Q. Do you design actual abatements for Building 53?

A. No.

Q. That is, however, a responsibility that you do shoulder with respect to some other buildings at issue in this litigation, correct?

A. Yes.

24 Q. Why don't you play a role in the

25 designing of the asbestos abatement projects

for Building 53 like you do for some of the other buildings at issue?

A. With the exception of the cogeneration project which impacted the mechanical equipment rooms at Building 53, all of the other asbestos abatement projects have been performed by the tenants usually as part of a renovation.

Q. With the exception of the work performed in the M.E.R. rooms, it is the tenant that has paid for abatement projects in Building 53, correct?

A. To the best of my knowledge, yes.

Q. Do you have any responsibility for reviewing tenant alteration applications as they relate to asbestos issues in Building 53?

A. Yes.

Q. Other than overseeing the preparation of future cost estimates for Building 53 and reviewing all tenant

24 alteration applications relating to asbestos,

25 do you have any other responsibilities for

Building 53 as it pertains to asbestos and asbestos issues?

A. No.

Q. When did you first begin to shoulder the responsibilities that you have vis a vis the asbestos in Building 53?

A. When I joined the Port Authority in 1986.

Q. At that time did you receive any instructions from anyone at the Port Authority with respect to the preparation of future cost estimates?

A. No.

Q. Did you at a point subsequent to your joining the Port Authority in 1986 receive some instructions?

A. Yes.

Q. When?

A. Sometime around the end of 1990 or beginning -- perhaps sometime in 1990 was the first time.

Q. By whom were these instructions

24 received?

25 A. The instructions were given to

me.

Q. Who issued them?

A. Milton Pachter.

Q. What were they?

A. To do a conservative estimate of the -- of a large number of buildings that are operated by the Port Authority of the asbestos removal from those buildings and do that estimate within a relatively tight time frame.

Q. Were you issued a series of guidelines or directions to enable you to prepare them future cost estimates?

A. We were issued some suggestions and some directions as to what the -- what Milton Pachter was looking for.

Q. What were those instructions?

A. That we could perform a conservative estimate. That is, where there is an option to do things in two fashions, always pick the least expensive way of the -- the lease expensive estimate. It was to take a look at all of the work that had been done

24 already and subtract it from our estimates, so

25 that it would not include asbestos abatement

that had been already performed. It was to select reasonably large work areas while maintaining operation of the facilities.

Q. Were you instructed to prepare a future cost estimate with a particular abatement option in mind?

A. Yes.

Q. Which abatement option was that?

A. Asbestos removal.

Q. When you use the phrase "asbestos removal," do you mean complete removal?

A. Yes.

Q. With regard to sprayed-on fireproofing, however, there are alternative abatement options, is that correct?

A. Yes.

Q. I am aware of a few such as encapsulation or enclosure or even permitting the material to remain in place and adopting operations and maintenance plans. Those are all viable abatement options for fireproofing,

24 is that correct?

25 MR. CAMPBELL: Object to the

form.

A. Those are all options. I'm not certain how viable they are.

Q. They can all be used to abate fireproofing material, correct?

MR. CAMPBELL: Object to the form.

A. They can often be used except that the O&M is really not an abatement option.

Q. Why weren't they used in this instance?

A. Since the asbestos would eventually have to be removed and since any other option whether encapsulation or encasement would still require O&M procedures to continue throughout the life of the structure, for this estimate we decided it would probably be the lowest cost to remove the asbestos up front in the estimate and assume that the asbestos would be removed all at once.

24 Q. Was the Port Authority's

25 thinking on that subject that in the long run,

the least expensive abatement option would prove to be complete removal?

A. Yes.

Q. Generally speaking, in the short run is complete removal a more expensive or less expensive abatement option than, say, encapsulation?

A. Complete removal would be more expensive than encapsulation if encapsulation was suitable.

Q. Did you periodically receive supplemental instructions or clarifications from Mr. Pachter as they related to your efforts to prepare future cost estimates for the buildings at issue in this litigation?

A. No.

Q. Did anyone at the Port Authority issue you supplemental instructions or clarifications regarding the preparation of future cost estimates?

A. Yes.

Q. Who?

24 A. Ezra Bialik.

25 Q. When?

A. At various times. The decisions were made on the timing of estimates that had to be made and which buildings would be estimated and also which areas had identified asbestos products to be estimated.

Q. Have you ever personally prepared a cost estimate for any of the buildings at issue?

A. (No response)

Q. Or alternatively, have you supervised others in the preparation of these cost estimates?

A. Both.

Q. For which buildings at issue in this litigation have you personally prepared a future cost estimate?

A. Howland Hook Tower.

Q. That's the control tower?

A. The building that's in the litigation, the five-story abandoned building.

Q. Any other facilities?

A. I have done some for the World

24 Trade Center.

25 Q. Any others?

A. Then I ran checks on work that has been done by others, those checks usually being some of the areas and then the total building.

Q. Does Sanyog Thorve report directly to you in the Port Authority's chain of command?

A. Yes.

Q. Does Gilbert Gedeon likewise report directly to you?

A. Yes.

Q. Does Jorge Reis?

A. Yes.

Q. Does Mr. Leonard Vernon?

A. Yes.

Q. Does Mr. Gerald Jean-Pierre?

A. Yes.

Q. Does anyone else at the Port Authority who prepared cost estimates for use in this litigation report to you?

A. No.

Q. Has the Port Authority ever

24 contracted with an outside entity to perform

25 an assessment or an analysis to determine the

location of and quantity of asbestos-containing materials in Building 53?

A. Yes.

Q. How many such assessments or analyses have been performed by outside entities at the behest of the Port Authority?

A. Either one or two. I'm not certain.

Q. Who were these outside entities?

A. Hall-Kimbrell did a study of the asbestos at JFK in the 1988, 1989 period and -- I can't recall their name. Another engineering firm did other work at JFK, which I'm not sure included this building.

Q. Might that other engineering firm be known as Storch Engineers?

A. Yes.

Q. Is that, in fact, the engineering firm that you had in mind?

A. Yes.

Q. When did Storch Engineers perform their assessment?

24 A. 1989, 1990.

25 Q. As compared to the cost

estimates prepared by the Port Authority for Building 53, do you have an opinion as to the accuracy of these earlier assessments?

A. Hall-Kimbrell's assessment in addition to doing sampling of material and testing of those samples for asbestos did an evaluation as to the condition of the asbestos-containing materials and also did a very broad cost estimate of the buildings that they had sampled. Storch did not do a cost estimate of the buildings that they sampled and analyzed.

Q. I will ask the court reporter to mark as JFK Building 53 Damages Exhibit 4 a multi-page document whose first page has the heading "Cost Estimate Building 53 - Pan Am Airlines Terminal."

(Thereupon, a multi-page document entitled "Cost Estimate Building 53 - Pan Am Airlines Terminal" was marked JFK Building 53 Damages Exhibit 4 for identification.)

24 Q. Mr. Kirshner, I show you what

25 has been marked as Exhibit 4. Have you seen

this document before?

A. I think I recall the document.

Q. What is it?

A. It's a portion of the work done by Hall-Kimbrell, and it includes a series of samples that they took and the analysis of those samples and various areas of Building 53 and also includes an evaluation of the removal of the asbestos, cost of that removal. Removal costs are based on four different levels of priority with priority 1 being top priority.

MR. SILVERMAN: Let's take a five-minute break.

(Recess taken)

Q. Mr. Kirshner, during this most recent intermission I took the liberty of adding up the total square footage of fireproofing as per the Hall-Kimbrell report marked today as Exhibit 4 for Building 53. I determined that Hall-Kimbrell's assessment performed in the late '80s determined there to

24 be 941,044 square feet of asbestos-containing

25 fireproofing in JFK Building 53.

MR. CAMPBELL: What's that based on?

MR. SILVERMAN: Beginning with the page of Exhibit 4 that is Bates stamped in the lower right-hand corner with the numbers ending 336D and running through the page of Exhibit 4 whose Bates number ends in the digits 372D.

Q. There are 69 separate work areas designated by Hall-Kimbrell. Each of the work areas provide square footage figures of quantity of material in that work area and also provide in a column headed "Removal Costs" an indication as to how much money they expect it to cost to remove the fireproofing in that work area, is that correct, Mr. Kirshner?

A. Yes.

Q. What I simply did was add up the square footage figures provided for each of the fireproofing work areas, and I arrived at my figure of 941,044 square feet, and I also

24 then took it upon myself to add up the removal

25 costs as calculated by Hall-Kimbrell to remove

the fireproofing material from Building 53 and I arrived at $33,843,641 out of a total removal cost of $34,840,106, that latter figure appearing as a building total removal cost on the page of Exhibit 4 whose Bates numbering ends in the digits 372D.

Mr. Kirshner, allowing for any mechanical errors on my part in operating a hand-held calculator, are there any flaws in my methodology?

A. No, except that you have to account for the few fireproofing areas that were negative. That is, to not have asbestos. There are just very few of those.

Q. Correct, and for those areas I should not have included the square footage figures in my calculations in light of the fact that there is $0 for removal costs in those instances, is that correct?

A. Yes.

Q. I may have erred in including the negative fireproofing areas for which no

24 removal costs were determined. I observe that

25 there is only one work area, namely Work Area

61, in which a quantity of fireproofing is given while the removal cost is assessed at zero, is that correct?

A. I don't know if that's the only one, but the overall numbers sound reasonable to me.

Q. I just reviewed the Hall-Kimbrell report, and I believe that, in fact, Work Area 61 is the only work area where there was negative fireproofing, and so I will revise my --

A. But 61 is zero cost.

Q. Correct, and I had erroneously included the square footage in my quantity, so I will revise my figure.

A. Okay.

Q. The total quantity of spray-on asbestos-containing fireproofing as determined by Hall-Kimbrell in their assessment performed in the late '80s is 939,644 square feet. Does that sound right to you, Mr. Kirshner?

A. I don't know, but it's in the

24 right order of magnitude.

25 Q. We had seen, again, based on my

calculations that roughly $33.8 million was determined by Hall-Kimbrell to be the cost of removing that asbestos-containing fireproofing, is that correct?

A. Without replacement or...

Q. Without replacement. Is that correct?

A. Yes.

Q. You mentioned that Storch Engineers performed another assessment?

A. I said they may have. I didn't recall on this building if there were two or just one.

Q. We had seen in analyzing the 1991 cost estimates for other buildings at issue in this litigation that the Storch Engineers field data sheets were often attached as an appendix to those earlier cost estimates, correct?

A. Yes.

Q. At this time I am going to ask the court reporter to mark as JFK Building 53

24 Damages Exhibit 5 a large document whose first

25 page bears the heading "Port Authority

Environmental Engineering Asbestos Removal Cost Estimate Supplementary Table" dated November 2, 1992.

(Thereupon, a multi-page document entitled "Port Authority Environmental Engineering Asbestos Removal Cost Estimate Supplementary Table" dated November 2, 1992 was marked JFK Building 53 Damages Exhibit 5 for identification.)

Q. Mr. Kirshner, showing you what the court reporter has marked as Exhibit 5 --

A. Yes.

Q. -- have you seen this document before?

A. I think so.

Q. What is it?

A. We performed the 1991 cost estimate and I reviewed it.

Q. Is this the 1991 cost estimate?

A. The date on the lead sheets of November 2, 1992 is simply the date that this program was run, and if someone asked you for

24 a copy using the same program for the same

25 estimate right now, it would have the current

date on the estimate.

All of the estimates that were prepared in 1991 and 1992 were based on the second half of 1991 productivity factors and labor rates, and therefore I always refer to these as the 1991 estimates.

Q. Subsequent to this document's preparation, Mr. Thorve undertook to prepare the 1996 cost estimate for Building 53, is that correct?

A. Yes.

Q. Other than these two cost estimates, the one that we now have before us marked as Exhibit 5 which is dated November 2 of 1992 and the Thorve cost estimate, has the Port Authority ever created any other cost estimates with an eye toward the complete removal of asbestos materials from Building 53?

A. No.

Q. Is it the Port Authority's present intention to prepare a more current

24 cost estimate than the Thorve 1996 cost

25 estimate --

A. No.

Q. -- for Building 53?

A. No.

Q. Was the purpose of preparing both the 1992 cost estimate and the 1996 cost estimate exclusively litigation driven?

A. Yes.

Q. In other words, there is no plan presently to demolish Building 53, correct?

A. Yes.

Q. There is no plan to remove all of the asbestos materials from Building 53, correct?

A. Yes.

Q. You had said earlier that Mr. Charles Kondakjian prepared the 1992 cost estimate, correct?

A. Yes.

Q. Was he assisted in that endeavor by anyone else at the Port Authority?

A. No.

Q. Did you participate in preparing

24 Exhibit 5?

25 A. I reviewed it before it was

submitted.

Q. And it was in connection with that review effort that you accompanied Mr. Kondakjian to Building 53 for an all-day inspection, correct?

A. Yes.

Q. Notwithstanding the date stamp November 2 of 1992 on the top of all the internal pages of Exhibit 5, it is your understanding, Mr. Kirshner, that this document was prepared sometime in late 1991?

A. That the original estimate was prepared sometime in late 1991 or early 1992.

Q. Did this earlier cost estimate undergo revisions and drafts?

A. Not that I know of.

Q. Were you shown any version of the 1991 or 1992 cost estimate for Building 53 that caused you to instruct Mr. Kondakjian to make changes to the report?

A. Not that I recall.

Q. Did Milton Pachter request that

24 Exhibit 5 be prepared?

25 A. Yes.

Q. Other than the general instructions concerning the preparation of all litigation cost estimates that we have spoken of earlier this morning, did you receive any instructions or guidelines unique to the preparation of the Building 53 future cost estimate?

A. No.

Q. Focusing your attention to the bottom of the first page of Exhibit 5, did Mr. Kondakjian estimate there to be 1,265,969 square feet of asbestos-containing fireproofing in Building 53?

A. Yes.

Q. Did he conclude that it would cost $41,228,116 to completely remove that fireproofing from Building 53?

A. Yes, and that cost also includes the refireproofing and all of the other -- all of the asbestos was removed for that cost. Oh, no. That cost includes the refireproofing and also the engineering cost related to the

design of the removal and the monitoring of the removal.

Q. When we were discussing a moment ago the Hall-Kimbrell report, I had noted that Hall-Kimbrell estimated the cost of removing the fireproofing to be approximately $33.8 million. Is it fair to compare the removal cost as calculated by Hall-Kimbrell against the estimated total cost of removing the fireproofing as contained in the Kondakjian cost estimate?

MR. CAMPBELL: Object to the form of the question.

MR. SILVERMAN: I will rephrase it.

Q. I had noted for the record, Mr. Kirshner, that Hall-Kimbrell calculated that it would cost approximately $33.8 million to remove the asbestos-containing fireproofing from Building 53. That figure is significantly less than the $41.2 million removal figure calculated by Mr. Kondakjian as reflected on Exhibit 5, and what I would like to ask you now is is it fair to compare those

24 two figures against one another?

25 MR. CAMPBELL: Object to the

form of the question.

A. It's not a matter of being fair. It's a matter of what is included in the Hall-Kimbrell costs and what is included in the costs that you see on the first sheet of Exhibit 5. On the first sheet of Exhibit 5 the total asbestos removal cost for the fireproofing includes the refireproofing and all of the engineering costs related to that to the removal and the refireproofing.

I'm not certain as to what the Hall-Kimbrell cost estimate includes. It seems to include fees, but I don't know if those fees are equivalent to the kind of fees that we have included, so I really can't tell the relationship between those numbers.

Q. Why did Charles Kondakjian estimate there to be 326,325 more square feet of asbestos-containing fireproofing in Building 53 than Hall-Kimbrell had calculated?

A. I don't know. I don't recall why he got this additional area.

24 Q. Did Hall-Kimbrell and Mr.

25 Kondakjian use widely divergent estimating

methodologies?

A. Charles Kondakjian took the Hall-Kimbrell test information and other information and then using drawings that were available to him went out and checked the size of the areas. I'm not certain why they have this difference.

Q. We had seen in the damages depositions for other buildings at issue in this litigation that Mr. Kondakjian had a predilection for relying heavily on calculations performed by Storch Engineers in preparing his 1991 and 1992 cost estimates, is that correct?

A. Yes.

Q. In fact, on more than one occasion I specifically recall we had seen that Mr. Kondakjian adopted wholesale the square footage calculations that have been determined by Storch Engineers, is that correct?

A. Yes.

24 Q. It is your understanding that

25 Mr. Kondakjian in preparing the cost estimate

for Building 53 again adopted wholesale the square footage calculations that had been determined two or three years earlier by Storch Engineers?

MR. CAMPBELL: Object to the form of the question.

A. (No response)

Q. Do you understand my question?

A. Yes, I do. Storch Engineers' work was done in 1990, 1991, which was just about one year before this estimate was prepared, and Charles copied for the most part the areas that Storch Engineers had used, the area sizes and locations and numbers, and may have copied -- I can't say for certain -- the area of asbestos fireproofing removals, but I don't know that.

Q. If you would look, Mr. Kirshner, toward the bottom of what we have marked today as Exhibit 5, which are the Storch Engineers' field data sheets that correspond to the work areas designated by Charles Kondakjian, is

24 that correct?

25 A. Yes.

Q. If one were inclined to do so, one could ascertain the extent to which Mr. Kondakjian adopted the Storch Engineers quantity figures by comparing the square footage quantities on an area by area basis working from the Kondakjian area estimate sheets back to the corresponding Storch Engineers' field data sheets; is that correct?

A. Yes.

Q. For the record, let me note that Mr. Kondakjian designated 200 separate work areas in his 1992 cost estimate. The figure 216, which is the last number that appears on the page of Exhibit 5 whose Bates numbering ends in the numbers 341D is somewhat misleading, because omitted from the range zero to 216 are Work Areas 5, 41, 42, 65, 179, 192, 198, 199 and 202 through and including 209.

Mr. Kirshner, do you know why Mr. Kondakjian designated his work areas in precisely this manner, skipping certain numbers in the range from zero to 216?

24 MR. CAMPBELL: Object to the

25 form of the question.

A. No, but I could give you a probable reason for it. It could be that some of the areas did not include asbestos or did not include asbestos that was part of this litigation, so he may have had areas designated which were not included in the final estimate.

Q. Of the 200 separately designated abatement work areas in Exhibit 5, 196 of them involve abatement of fireproofing materials. Specifically, Work Areas 10, 140, 182 and 183 do not involve the abatement of any fireproofing.

Mr. Kirshner, we had seen in looking at Exhibit 4 that Hall-Kimbrell designated 69 abatement work areas, correct?

A. Yes.

Q. And not all of those 69 areas involved fireproofing, correct?

A. Yes.

Q. Would you say about half of those 69 areas involved fireproofing?

24 A. I didn't keep count.

25 Q. Would you say, though, for

purposes of discussion that that's a fair number?

A. Half or slightly more than half of the areas that were designated, yes.

Q. Would you say roughly 40 of the 69?

A. Yes, that's about right.

Q. One of the instructions that you received from Milton Pachter with regard to the preparation of future cost estimates was to designate as large work area as possible, is that correct?

A. Yes.

Q. To the best of your knowledge, the Hall-Kimbrell report that we marked as Exhibit 4 was a report prepared with an eye toward both the pentagonal portion of Building 53 as well as the eliptical portion, is that correct?

A. Yes.

Q. Why, then, if your marching orders were to designate as large work areas

24 as possible did Mr. Kondakjian increase nearly

25 fivefold the number of fireproofing work areas

over those that had been designated by Hall-Kimbrell?

A. It was his feeling that to keep the building operational that you had to do that based upon his opinion. He felt that the Storch delineation of work areas was more accurate as far as maintaining the building as occupational at the time.

Also, Mr. Kondakjian did not have an extensive amount of time to do his analysis. He did a large number of buildings in a very short time, so he really didn't have the chance to sit down and actively talk to the operations people to determine which operational areas would be reasonable for the building.

Q. Was it because of those time constraints that he was operating under that he intended to adopt wholesale the Storch Engineers' quantity data?

A. Yes.

Q. Do you know whether or not

24 Hall-Kimbrell was issued a similar instruction

25 regarding the imperative of designating large

1 work areas when they were commissioned by the
2 Port Authority to prepare their assessment in
3 the late '80s?
4 A. I don't know.
5 Q. Mr. Kondakjian in preparing
6 Exhibit 5 simply took the Storch Engineers
7 work areas, correct?
8 A. Yes.
9 Q. And he also adopted the Storch
10 Engineers' quantity calculations?
11 A. Yes.
12 Q. Does the 1992 cost estimate that
13 Mr. Kondakjian prepared assume that within
14 some of the fireproofing work areas more than
15 one type of asbestos-containing product would
16 be abated?
17 A. Yes.
18 Q. Does the 1992 cost estimate
19 allocate general costs for those dual
20 abatements such as electricity and
21 mobilization costs?
22 A. Yes.
23

24 Q. How does it do that?

25 A. It does it by the ratio of

asbestos removal labor costs for the various products and quantities and then takes all of the other costs such as preparation, et cetera and relate it to the asbestos -- relate the overall cost to the ratio of the asbestos removal labor.

MR. SILVERMAN: Let me show you what I will ask the court reporter to mark as JFK Building 53 Damages Exhibit 6, a 77-page chart whose date on the bottom of the first page is given as 9/92.

(Thereupon, a 77-page document dated 9/92 was marked JFK Building 53 Damages Exhibit 6 for identification.)

Q. Mr. Kirshner, showing you what has been marked by the court reporter as Exhibit 6, have you seen this document before?

A. I don't recall seeing it.

Q. Is this a printout of the data entry fields corresponding to the Kondakjian cost estimate?

A. Well, it's corresponding to

24 Building 53 at JFK. I would assume it

25 corresponds to his cost estimate.

Q. Did Mr. Kondakjian attempt to assign difficulty factors to the various fireproofing work areas that he designated as part of his cost estimate?

A. No.

Q. Why not?

A. I don't recall why not.

Q. Was that feature of the computer-generated cost estimating program present in the 1992 version?

A. Yes.

Q. Did Mr. Kondakjian attempt to assign scaffolding factors to his 196 fireproofing work areas?

A. He didn't have to. The program does that automatically, and it did that automatically.

Q. How so?

A. The productivity was reduced for every foot above 12-foot height of a room area, and that was done automatically by the program.

24 Q. Pages 64 through and including

25 70 of Exhibit 6 have a column second from the

right whose heading is an abbreviation for rolling scaffolding. Do you see that?

A. Yes.

Q. Consistently, in all of the columns for all of these work areas is the number zero. Immediately to the left of that column for these pages is a heading which is abbreviated as "scaffolding," correct?

A. Yes.

Q. Likewise, in all of the columns for these pages the number is zero, correct?

A. Yes.

Q. I thought you said that Mr. Kondakjian assigned scaffolding factors for his fireproofing work areas?

A. No. If you look at the first page and a few pages thereafter, the right-hand column, height, shows many of the heights above 12 feet. For each height above 12 feet there is an additional reduction in the productivity of removal of asbestos. That's done automatically by the program.

24 Q. There is no column visible in

25 this Exhibit 6 that would reflect the

diminishment of the productivity value, correct?

A. No. The part that's left out here is that, the scaffolding itself. The cost of the scaffolding is not included and would have been on page 64 through 70.

Q. Why is that dollar amount omitted?

A. It shouldn't have been. It was an error.

Q. Please turn to page 66. The third column from the right toward the bottom of that column is the number 1200. I am on page 66 of Exhibit 6. Do you see that number, 1200?

A. Yes.

Q. I thought you said that the scaffolding dollar values had been omitted?

A. He included it only for that area, because that's an especially high area. That's a 20-foot high area.

Q. Judging by the height column

24 data provided on the first seven pages of

25 Exhibit 6, 20 feet is the highest ceiling

anywhere in Building 53, correct?

A. Yes, and for some reason, that's the only place he seems to have included it, an area of scaffolding.

Q. Yes. I noted that there are many work areas that likewise have ceiling heights of 20 feet, and yet for those other work areas he did not attribute a dollar value to the scaffolding cost. Again, do you believe that to be a mistake on Mr. Kondakjian's part?

A. Well, I think whenever you're above 12 feet you should probably have scaffolding, and something should have been included. What the scaffolding column does is gives you the cost of the scaffolding itself on pages 64 through 70.

Q. However, in this instance, with the one notable exception, there are no such dollar value attributions, is that correct?

A. That's correct.

MR. SILVERMAN: Let's take a

24 lunch break.

25 (Luncheon recess)

Q. Mr. Kirshner, at this point in the deposition I would like to spend some time reviewing the Kondakjian cost estimate in some detail, and before I do that I would like to take care of an administrative matter and state on the record that on December 27, 1996 I faxed to Ezra Bialik a letter requesting that certain pages from Exhibit 5 that I had noted in my review were missing be sent to me.

Mr. Bialik on January 3rd of 1997 sent me the pages that I noted were missing from Exhibit 5, and just before we resumed this afternoon's session of today's deposition I had supplemented the copies of Exhibit 5 that we are using today, the official marked copy of Exhibit 5 as well as a courtesy copy that I have provided to your counsel as well as supplementing my working copy of Exhibit 5.

Before we broke for lunch, Mr. Kirshner, you had explained to me why certain work area numbers were omitted from the

24 Kondakjian cost estimate, and I must confess I

25 don't understand your explanation. Could you

please educate me again?

A. I explained why they could have been omitted, and basically when Storch did its survey it designated areas within the building and tested for the asbestos within those areas, fireproofing and other possible asbestos sources.

It could be that some of those areas did not have any asbestos, or it could be that some of those areas had asbestos which was not identifiable as to the manufacturer, and both of those would have been omitted from his estimate.

Q. Mr. Kondakjian, then, not only adopted the work areas and the square footage quantities from the Storch Engineers assessment, but he also adopted verbatim the work area designations themselves, is that correct?

A. Apparently, yes.

Q. In other words, having observed that certain of the 216 work areas did not

24 contain asbestos materials, he nevertheless

25 chose not to close the gaps in the number

range but rather to leave the gaps there, is that correct?

A. Yes.

Q. Further evidencing the extent to which he adopted wholeheartedly the data assessed by Storch Engineers, correct?

A. Yes.

Q. Please turn to the Storch Engineers field data sheet corresponding to Kondakjian Work Area 43. I believe all of the field data sheets are arranged in ascending numerical order. In the specifics and comments section of this form the following notation appears:

"Dimensions on card accurately represent the total cubic footage of the work area which has an odd shape. Quantities of fireproofing are accurate." Have I read that correctly?

A. Yes.

Q. For the record, a similar notation appears on the Storch Engineers' field

24 data sheets corresponding to Kondakjian Work

25 Areas 45 through and including 48, 51, 56, 57,

59, 61, 62, 69, 75, 79, 85, 144, 145, 148, 149, 150, 157, 158, 160, 161, 162, 165, 166, 167, 168, 170 and finally 171. Mr. Kirshner, do you understand what that notation means?

A. It would mean to me that the dimensions shown at the top of the page at that heading where it has various dimensions were checked in the field and are assumed to be right. Also, the dimensions of the quantity of fireproofing as shown in the middle of the page under square feet of fireproofing are also assumed to be right and checked.

Q. Is it your understanding that a Storch engineer acting in a supervisory capacity double-checked the work performed by another Storch engineer and confirmed the accuracy of the initial calculations and that that confirmation is reflected in this notation?

A. I don't know.

Q. It just seems odd to me that one

24 would note on an assessment form the fact that

25 their observations and calculations are

accurate. I have never seen, and I don't think you have either during the course of these damages depositions a notation like this. When I read it, it caught my eye.

Mr. Kirshner, do you have any explanation or understanding as to why Storch Engineers felt it necessary to confirm the accuracy of their field data inspection forms?

MR. CAMPBELL: Object to the form of the question, assumes a fact not testified to.

A. The answer is no.

Q. There is a reference in this notation to the "card." What is that?

A. Storch Engineering and others usually took their field notes on a card.

Q. Which then were transcribed onto these uniform field data inspection forms?

A. Yes.

Q. The author of this notation makes reference to total cubic footage, whereas the measurements given are given in

24 square feet, correct?

25 A. Not exactly. The comments at

the bottom of the page refer to the cubic footage of the room and to the quantity of the fireproofing, so the cubic footage of the room are those numbers which are given on top of the page, fireproofing quantity in the middle of the page.

Q. Please turn to the field data inspection form corresponding to Kondakjian Work Area 52. In the specifics and comments section of this field data sheet, the following notation appears: "Immediately adjacent to M.E.R. No. 2 entrance is women cafeteria personnel only (ARA). This room could not be done since ceiling tile (interlocking) would have to be destroyed." Have I read that correctly?

A. Yes.

Q. To your knowledge, was Work Area 52 ever visually inspected in connection with the preparation of the 1996 cost estimate?

A. I can't think if the comment refers to this room which is the women's locker

24 room or whether it's to the adjacent room

25 which was not included in this. I really

can't tell what this note means.

Q. It's logical, though, that the author of this notation would have been making reference to rooms that were part of the scope of the assessment, correct?

A. I don't know. It could be that this was right next door, and he's just putting a note on this drawing because he observed it was right next to this room.

Q. There is an arrow to that portion of the notation that discusses lack of access to a particular room, and beneath the arrow is the note "Estimates done on 8-4, 8-5" beneath which are the letters "PA." What does that follow-up notation mean?

A. PA?

Q. The follow-up notation in its entirety.

A. I don't know.

Q. My suspicion is that the 8-4 and the 8-5 are references to the two fireproofing quantities which in the middle of the page

24 both appear as Type 8 and Sub4 and then Sub5.

25 Do you see that?

A. Yes.

Q. Do you concur?

A. It could be that, yes.

Q. What does the PA stand for?

A. Must be Port Authority.

Q. Do you have any idea what this notation in its entirety means?

A. No.

Q. Please turn to the field data sheet corresponding to Kondakjian Work Area 59. In the specifics and comments section of this form is a notation that reads as follows: "A 13-foot by 43-foot section (east side) of this area is approximately eight feet high, and the slab is not sprayed with fireproofing nor are there any beams." Have I read that correctly?

A. Yes.

Q. What does that mean?

A. That along this room which is 43 feet by 35 feet in size along the east side of the room, the first 13 feet has a platform of

24 some sort to that ceiling is only 8 feet above

25 the platform, whereas the balance of the 22

feet by 43 feet is the full 14-foot height and that the shallower part does not have any fireproofing sprayed on the slab or on the beams.

Q. Actually, there are no beams in that shallow portion?

A. There are no beams in that area.

Q. Please turn to the very next field data sheet corresponding to Work Area 60. In the specifics and comments section of that form the following notation appears: "Some fallout noted in area." Do you see that?

A. Yes.

Q. What does that mean?

A. Fallout is usually a dustlike material that has fallen out either on the floor or on articles close to the floor.

Q. Was the fallout noted here asbestos-containing?

A. No. The fallout was noted here as a way to determine the condition of the

24 asbestos in this area.

25 Q. Was the material that had fallen

out asbestos-containing material?

A. I don't know. It appears that all fireproofing and most of the other types of asbestos -- of possible asbestos-containing insulation in this room do contain asbestos, so therefore the fallout would probably be an asbestos-containing material.

Q. The thrust, then, of this comment is that the condition of the asbestos-containing materials in this work area is poor, correct?

A. Yes.

Q. Please turn to the field data inspection sheet form corresponding to Work Area 67.

A. All right.

Q. There are two notations that appear in the specifics and comments section of this form, the second of which reads as follows: "Bathroom attached to this area could not be done. Suspended plaster ceiling with no access." Do you see that?

24 A. Yes.

25 Q. Is it your understanding that

this bathroom is part of Work Area 67 or might have like an earlier similar example be contiguous to a work area but not part of a work area?

A. No. I would assume based on the description of this room that the bathroom was part of the women's locker room.

Q. When the author wrote that the bathroom "could not be done," what do you understand that phrase to mean?

A. That the walls of the bathroom went up to the slab and that the ceiling of the bathroom was plaster as they have noted, and therefore they couldn't get to the potential or possible fireproofing above the bathroom without destroying part of the walls or part of the ceiling, so they did not have access to sample the material in that area.

Q. Is it your understanding that Mr. Thorve in preparing the 1996 cost estimate did have access to this area?

A. I don't know.

24 Q. Please turn to the field data

25 sheet inspection form corresponding to Work

Area 70. The notation in the specifics and comments section reads "Large portion of area not sprayed." Do you see that?

A. Yes.

Q. What does that mean?

A. That means that a large portion of the slab area was not sprayed with fireproofing.

Q. Does that mean that there are some beams in this work area that have no fireproofing on them?

A. No. I would say that there was very little overspray.

Q. Does the Port Authority's computer-driven cost estimating program account for overspray?

A. Yes.

Q. In what way?

A. In the square footage of asbestos-containing fireproofing to be removed.

Q. Does this program address the

24 varying degrees of thickness of overspray?

25 A. No.

Q. How is the program able to accurately assess the cost of removing fireproofing when it cannot due to its limitations address thickness as the third dimension?

A. Within the accuracy of this type of an estimate, the thickness is not an important consideration. When the fireproofing is two inches thick or one half of an inch thick, you still have to do an initial bulk removal of it and then a final scraping of it. Those are the costly items. The thickness of the asbestos-containing material would relate only to the disposal costs, which is a relatively minor difference in the cost.

Q. Disposal costs are measured in terms of cubic yards of disposed waste, correct?

A. Yes.

Q. The thicker the coating of fireproofing, the more expensive it will be to

24 cart that away, correct?

25 A. Yes.

Q. But that's a relatively minor component of the removal cost, is that what you're saying?

A. That difference would be a relatively minor component of the cost.

Q. Please turn to the field data sheet inspection form corresponding to Work Area 100. The notation that appears in the specifics and comments section of this form reads as follows:

"Limited access - one small penetration in the drop ceiling in the rear of the store was available for accessing the plenum. Destructive survey would have been necessary for better observation. Quantity of 8-4 based on the structural beam pattern throughout the outbound level." Have I read that accurately?

A. Yes.

Q. Is this another instance where access was limited and frustrated attempts to visually inspect the fireproofing?

24 A. Yes, but they did inspect it

25 through the one opening. They just couldn't

access the entire area.

Q. It would appear that they derived their square footage calculations notwithstanding a lack of access by reliance on a repeating beam pattern that they assumed was repeated in this portion of Work Area 100 as well, is that correct?

A. Yes, but you will note it did not include any of the overspray in this area.

Q. To your knowledge, was Sanyog Thorve more successful than the Storch engineer that completed this form in accessing the fireproofing in this portion of Work Area 100?

A. The information and the observations on this building were a magnitude more accurate in the Thorve estimate than they were in this estimate based on the time spent on assessing the building.

Q. How much time did Mr. Kondakjian spend preparing the 1992 cost estimate?

A. Couple of days.

24 Q. How much time in contrast to

25 that did Mr. Thorve spend preparing the 1996

cost estimate?

A. Mr. Thorve and others, perhaps a month.

Q. Please turn to the field data inspection sheet corresponding to Work Area 105. I had difficulty reading the notation that appears in the specifics and comments section. I was wondering if I could solicit your help.

A. Even if I had my glasses, it's something like the quantities and materials found and then it fades out totally. Then the bookstore is the next line.

MR. SILVERMAN: John, how about you?

MR. CAMPBELL: I'm not testifying.

MR. SILVERMAN: Can you make it out? I get as far as "quantities of materials found," and then it's a blur to me. Can you make out anything else?

MR. CAMPBELL: I have no idea.

24 Q. Please turn to the field data

25 inspection sheet corresponding to Work Area

144. In the specifics and comments section of this form there are additional quantities of square footage of fireproofing being added in for some reason. Do you understand why?

A. There is a note to the right of the comments section which describes why it's added in. They are accounting for some other area, a 45-foot by 10-foot section which is along the south side of this area.

Q. In other words, whomever completed the specifics and comments section of this form was correcting an error that was made by whomever completed the middle portion of the form?

A. Yes. They were adding some quantities into the middle area, and if you look at the two fireproofing areas, the beams and the slabs, they changed those quantities.

Q. Did Charles Kondakjian take into account overspray in preparing his 1992 cost estimate?

A. Sometimes.

24 Q. He did to the extent that Storch

25 Engineers did, is that correct?

A. Yes.

Q. Turning to the Storch Engineers field data inspection sheet corresponding to Kondakjian Work Area 152, it's clear from the notation in the specifics and comments section of this form that overspray on the decking was taken into account in this work area, correct?

A. Yes.

Q. I will note for the record that a similar notation appears on the field data inspection sheets corresponding to Kondakjian Work Areas 153, 171, 172, 173, 175 through and including 178 and finally 185. Why is it that Storch Engineers seemed to have accounted for overspray on decking in only 10 of the 196 fireproofing work areas?

A. Well, I noted on some of the previous areas that had overspray -- where they had fireproofing on the entire deck, these are instances where there must have been appreciable overspray, so they included it. That's the only explanation that would cover

24 it. Probably if the overspray was very small,

25 they did not include it.

Q. What you are hinting at, I gather, is that the real test of whether the Storch engineer accounted for overspray is not whether such a notation appears on the form but rather whether there is a Type 8 and a Sub5 in the middle of the page, is that correct?

A. Yes.

Q. Please turn to the field data inspection sheet form corresponding to Work Area 161. There is a notation in the specifics and comments section that reads as follows: "Non-ACM quantified as per P.A." Have I read that correctly?

A. Yes.

Q. Am I to understand that the quantities of allegedly asbestos-containing materials in Work Area 161, in fact, contained non-ACM quantities?

A. It's referring to the fact that several of the pipes and one of the ducts was insulated with fiberglass but that fiberglass

24 was below fireproofing and therefore they are

25 estimated separately.

If you look at the middle of the page, the last four items are noted in the location column with the FG on that. That would be fiberglass. What this refers to are these nonfireproofing items. Typically in an asbestos job, if you have fireproofing that's above fiberglass and the fiberglass is porous and the fireproofing has been there a long time and there's been dust fallout or some fallout, you would remove the fiberglass at the same time.

Q. Why?

A. Because it's contaminated and difficult to clean.

Q. Is fiberglass insulation like asbestos insulation contained within a protective wrapping of some kind?

A. Vinyl sometimes and sometimes not. There was no vinyl there.

Q. In those instances when it is contained within a protective wrapping, why, then, would it would necessary to abate the

24 fiberglass insulation along with the

25 fireproofing?

A. What you would actually do is abate it. What you would actually do in that case is clean the fiberglass wrapping and cover it with plastic before you abated the balance of the room, so it does require some work during an asbestos job, but for the balance of the room does not require removal. It was noted here it's a nonfireproofing item, series of items, but it was just noted here for information.

Q. In other words, the square footage of fiberglass insulation was not added to the quantities of asbestos-containing fireproofing to arrive at a sum total that included some fiberglass, is that correct?

A. I don't know if it was. They may have added some cost in to clean it and wrap it, but I'm not sure if they did or not.

Q. We had spoken earlier that you were explicitly instructed to prepare cost estimates that presumed complete removal as the exclusive abatement option, is that

24 correct?

25 A. Yes.

Q. Was that only vis a vis the fireproofing material?

A. No. It would be complete removal of all of the asbestos-containing materials.

Q. But you would not be completely removing the fiberglass insulation to the extent that it may have been contaminated with asbestos fibers, is that correct?

A. Not if the fiberglass or other insulation which was not asbestos-containing had a smooth wrapper which could be cleaned.

Q. But in those instances where the fiberglass insulation had no such smooth wrapper facilitating cleaning, the fiberglass insulation would likewise be removed along with the asbestos-containing fireproofing?

A. Yes.

Q. Can you ascertain looking at this particular field data sheet inspection form whether the fiberglass insulation referenced here is of the variety that comes

24 encased in a smooth wrapper or is of the

25 variety that would need to be completely

removed?

A. No. I can't ascertain this, but if you look at your estimate for that area, you could probably get a feel for that.

Q. Why don't we look at the cost estimate sheets for Work Area 161 that begin at Bates numbering 805D. Mr. Kirshner, can you determine from looking at the area summary table and area estimate sheets whether the fiberglass referenced on this field data inspection sheet form has a smooth wrapper?

A. Yes, I can determine that.

Q. How can you determine that?

A. When you look at the summary of the -- of what was removed, the only materials that were removed and estimated for Area 161 were fireproofing.

Q. What is your conclusion?

A. That the piping quantities, those four items that are the last four items on the Port Authority -- the Storch Engineering inspection form which relate to

24 pipe and duct work and are noted as fiberglass

25 on their form are not included in the area

estimate.

Q. Might those quantities have been folded into the fireproofing square footage?

A. It doesn't appear so when you look at the quantities that are in the fourth column in the middle of the page. When you add up the fireproofing quantities, it appears that that's the entire -- just about the entire quantity you're talking about. If you added up the bottom four items you would get another 4,000 and several hundred, and that's not included.

Q. Please turn to the very next field data inspection sheet form corresponding to Work Area 162. In the specifics and comments section it says "Negative materials included as per PA instructions." Do you see that?

A. Yes.

Q. The PA is the Port Authority, correct?

A. Yes.

24 Q. I don't see any designation of

25 fiberglass, "FG," in the location column of

this field data inspection sheet form.

A. How about on the right side of the last column?

Q. FBG. stands for fiberglass?

A. I don't know. It may to this person, because the items above that are all noted as ABS, which I assume refers to asbestos.

Q. Looking at the area summary table for Kondakjian Work Area 162, is it your understanding that negative materials were not folded into the fireproofing square footage quantity figure listed, namely 14,850 square feet?

A. That's right. The only -- if you look at the field data inspection form, the first two quantities of asbestos would total that.

Q. Please turn to the field data inspection sheet corresponding to Work Area 183. The notation in the specifics and comments section reads as follows "Due to

24 amount of suspect debris in many areas, there

25 should be a full containment area." Do you

see that?

A. Yes.

Q. What does that mean, "a full containment area"?

A. That means that although there is just pipe and fitting, you should not do this with a glove bag technique, that there is so much fallout that you should contain the entire area, remove the asbestos from the pipes and fittings and clean up the balance of the room at the same time.

Q. In other words, adopt the cleanup protocol and methodology that you would adopt to abate a fireproofing area?

A. Yes.

Q. Please turn to the field data sheet inspection form corresponding to Work Area 190. The last full sentence of the notation in the specifics and comments section of this form reads as follows: "Numbers for 8-4 and 8-5 on this card are assumed."

A. Excuse me. Which one are we

24 looking at?

25 Q. 190, the last sentence.

A. Okay.

Q. "Numbers for 8-4 and 8-5 on this card are assumed. Fireproofing is considered homogenous with material found throughout new addition southeast corner areas." Do you see that?

A. Yes.

Q. Am I to understand that the Storch engineer that completed this form did not have access to the fireproofing in this area?

A. It appears so, based on their comment.

Q. Do you know whether Mr. Thorve and those who helped prepare the 1996 cost estimate were able to access the fireproofing in Work Area 190 for inspection?

A. Yes, I think they did have access to the area.

Q. What is it about Work Area 190 that you recall Mr. Thorve having access to but when I asked you a similar question with

24 regard to other work areas where there had

25 been a notation about lack of access, you were

not able to conclusively say whether Mr. Thorve had more access?

A. Area 190 is the cafeteria area and the kitchen area, and you have to be extremely careful in opening up those areas because of contamination to the public, but these areas have ceiling panels which can be removed to go through.

Some of the other areas that you referred to have plaster roofs and full walls outside the room, and there's no way to access the area above that ceiling without destroying something to gain access.

Q. Turning to the Storch Engineers field data sheet for Work Area 191, again there is a notation reflecting a lack of access to the fireproofing in this work area, correct?

A. Yes.

Q. Is it your understanding that Mr. Thorve and those who assisted in preparing the 1996 cost estimate had better luck in

24 observing visually the fireproofing of Work

25 Area 191?

A. I will assume they didn't.

Q. Turning to the Storch engineer field data sheet for Work Area 195, there is yet another notation reflecting a lack of access to the fireproofing within that work area, correct?

A. Yes.

Q. Is it likewise your understanding that those who prepared the 1996 cost estimate were similarly frustrated in their efforts to visually inspect the fireproofing in Work Area 195?

A. Yes, because of a plaster ceiling.

Q. Does the same hold true for Work Area 196?

A. Yes.

Q. They most likely did not visually inspect the fireproofing in that work area, correct?

A. Yes.

Q. The "they" was a reference to

24 Mr. Thorve and those who prepared the 1996

25 cost estimate, correct?

A. Yes.

Q. I will show you what I will ask the court reporter to mark as Building 53 Exhibit 7, a series of eight construction drawings presented on 17-inch paper.

(Thereupon, a series of eight construction drawings presented on 17-inch paper was marked JFK Building 53 Exhibit 7 for identification.)

Q. Mr. Kirshner, showing you what has been marked by the court reporter as Exhibit 7, have you seen this series of drawings before?

A. I don't recall seeing them at this point.

Q. What are they?

A. A series of drawings which have areas noted, those areas obviously being the 1991 or 1992 estimate.

Q. Is it your understanding that the drawings that comprise Exhibit 7 accompany the 1992 cost estimate?

24 A. I don't know if they accompany

25 it, but they seem to have several if not all

of the areas noted on it, so they may have been a basis for picking the areas. There are also a series of notations on some of the areas as to how the calculations were made for the square footage of asbestos.

Q. When you inspected Building 53 with Charles Kondakjian prior to submitting the future cost estimate for consideration by Ezra Bialik, did you discuss with Mr. Kondakjian his increasing nearly fivefold the number of fireproofing work areas over those that had been designated by Hall-Kimbrell?

A. No.

Q. Were you satisfied at that time, at least, that Mr. Kondakjian had satisfactorily designated as large work areas as possible?

A. No. I was satisfied that he had looked at the size of his work areas and within the time constraints he had that he felt that he had picked out some reasonably sized areas in order to keep the area in

24 operation.

25 Q. Did you know at the time of your

inspection of Building 53 with Mr. Kondakjian that what he had done was ostensibly adopt wholesale the Storch Engineers assessment?

A. I don't recall if I knew it at that time.

Q. I will ask the court reporter to mark as Exhibit 8 a seven-page document dated September 22, 1992 entitled "Final Production Identification Statement for Building and Products at Issue."

(Thereupon, a seven-page document dated September 22, 1992 entitled "Final Production Identification Statement for Building and Products at Issue" was marked JFK Building 53 Damages Exhibit 8 for identification.)

MR. CAMPBELL: Could we take a five-minute break?

MR. SILVERMAN: Sure.

(Recess taken)

Q. Mr. Kirshner, showing you what has been marked by the court reporter as JFK

24 Building 53 Damages Exhibit 8, have you seen

25 this document before?

A. No.

Q. Please turn to the third page of the document. Toward the top of the page do you see where it indicates that Building 53 has two floors?

A. Yes.

Q. My recollection of the four drawings that comprise Exhibit 1 to this deposition was that Building 53, in fact, has three floors that are above ground and one floor for at least a portion of the building that is below ground. Why does this document indicate that Building 53 has only two floors?

A. My recollection of the building is that there are two floors above ground plus a partial floor, third floor, above ground and one floor below ground. I don't know why this has two floors.

Q. Do you see beneath that where it says "Size of Building: 700,000 square feet"?

A. Yes.

Q. You testified earlier this

24 morning, however, that you believe Building 53

25 to be much larger than 700,000 square feet, is

that correct?

A. When you include the entire building which would include the eliptical area also.

Q. Is there anything about this document, Exhibit 8, that leads you to believe that only one portion of Exhibit 53 is the subject of this Exhibit 8?

A. It may be the pentagonal portion of the building.

Q. What is it that causes you to suspect that to be the case?

A. Because as I recall, there is little or no fireproofing in the eliptical portion of the building, so they may have included just the other area.

Q. Mr. Kirshner, I recall that the pentagonal portion of Building 53 was the portion that contained a below ground level, correct?

A. Yes.

Q. Likewise, it is the portion that

24 contains a partial third floor, is that

25 correct?

A. Yes.

Q. So if Exhibit 8 is referencing only the pentagonal portion of Building 53, how, then, could it conclude that the pentagonal portion of 53 has but two floors?

A. It's incorrect.

Q. Do you see at the bottom of page 3 the name Nick Lanci?

A. Yes.

Q. Are you familiar with that name?

A. No.

Q. Please turn to the fifth page of Exhibit 8. Do you see where it indicates the approximate total square footage of the product, in this instance fireproofing manufactured by W.R. Grace, is given as 1,247,000 square feet?

A. Yes.

Q. Do you see directly beneath that the estimated cost of abating at some future point that quantity of W.R. Grace's fireproofing is given as $40,630,000?

24 A. Yes.

25 Q. Do you know what source was used

to calculate the number of square feet of fireproofing in Building 53 and the estimated cost of abating that fireproofing?

A. The quantity of fireproofing is very close to the quantity that's on the Charles Kondakjian estimate. The cost is somewhat different than that estimate, and I can't tell where that cost is from.

Now, it could be that the figure on the Charles Kondakjian estimate minus some of the asbestos that had already been removed within those areas would give this number, but I don't know at this time.

Q. I don't think it's likely that Exhibit 5 was the source for the information contained in Exhibit 8, at least insofar as square footage quantities and dollar value of removal is concerned --

MR. CAMPBELL: Objection.

Q. -- because Exhibit 8 predates Exhibit 5 by roughly five weeks. Do you see that?

24 A. I see it, but I don't agree with

25 that. Exhibit 5 is just a printout on that

date, and it may have been done six months earlier and would be the exact same numbers as you have here. It's just whenever it's printed out. It comes out with the date on top, the current date.

Q. What was curious to me, Mr. Kirshner, was that in so many of the damages depositions thus far we had seen that, in fact, the Kondakjian cost estimate had been the benchmark from which the final product identification statement data was derived.

In this building, 53, I was struck by the fact that the final product identification statement reflects approximately 19,000 fewer square feet of fireproofing material, and it also bears a cost removal price tag that is roughly $600,000 less than that estimated by Mr. Kondakjian.

Do you know what source was used to prepare the Exhibit 8 final product identification statement?

24 MR. CAMPBELL: Objection to the

25 form of the question.

A. No.

Q. Is it possible that there had been some abatement activity from the time that the Kondakjian cost estimate was finalized to the time that the final product identification statement was prepared and that reduction in asbestos fireproofing might account for the 19,000 square foot discrepancy?

A. I doubt that, but it is possible that there was abatement activity that was recognized between those two dates, and therefore that was deducted off the Exhibit 8 estimate of quantity and cost.

Q. Do you have your own theory as to why the diminishment in square footage took place?

A. No.

Q. Let me ask the court reporter to mark as JFK Building 53 Damages Exhibit 9 this multi-page document whose first page bears the heading "JFK International Airport Building

24 No. 53 Asbestos Removal Cost Estimate, July,

25 1996 Prepared by Sanyog Thorve."

(Thereupon, a multi-page document whose first page bears the heading "JFK International Airport Building No. 53 Asbestos Removal Cost Estimate, July, 1996 Prepared by Sanyog Thorve" was marked JFK Building 53 Damages Exhibit 9 for identification.)

Q. Mr. Kirshner, showing you what has been marked by the court reporter as JFK Building 53 Damages Exhibit 9, have you seen this document before?

A. Yes.

Q. Is this the 1996 cost estimate prepared by Sanyog Thorve?

A. Yes.

Q. Did anyone else assist Mr. Thorve in preparing this document?

A. No.

Q. Did anyone other than Mr. Thorve prepare this document?

A. No.

Q. Why was it prepared when Mr.

24 Kondakjian had already prepared a cost

25 estimate in 1991 and 1992?

A. Sometime in 1995 we were told that we had a window of opportunity to upgrade our cost estimates and we would have the time to do that, and we therefore both changed the asbestos estimating program, upgrading it, and went through the process of looking at all of the abatement projects that had been performed in all of the buildings that we were doing the estimating for.

At the same time we took a more careful look at the work areas, quantities of asbestos and difficulty factors and redid the estimate to bring it up in its quality so that we would have the quality estimate that we felt we would feel comfortable being deposed about.

Q. Who at the Port Authority apprised you of the window of opportunity to update the cost estimates?

A. Ezra Bialik.

Q. Was it he who requested that the 1996 cost estimate for Building 53 be

24 prepared?

25 A. Yes.

Q. At that time when he issued this request, did he or anyone else at the Port Authority issue any instructions like those that had been issued years earlier by Milton Pachter with regard to the preparation of the revised cost estimate?

A. We did discuss the approach that we had taken before and what we would be doing for this new estimate, and one of the things we did was we upgraded everything to the second half of 1995. That is, all of the 95/96 estimates are done as if they were done in the second half of 1995 with productivity factors and labor rates as of that period.

We also confirmed the other approaches that we were following in being conservative and enlarging areas where we could and using reasonable difficulty factors, in most cases maintaining operations in order to arrive at a defensible estimate.

Q. I will note for the record that the internal pages of Exhibit 9 all bear the

24 date July 18, 1996. I gather from earlier

25 testimony that this is merely the date on

which this particular version of the 1996 cost estimate was printed out, is that correct?

A. Yes.

Q. Was it, in fact, finalized prior to this time?

A. No.

Q. Do you recall when it was finalized?

A. In July of 1996.

Q. Did you review this report with Mr. Thorve in the same way that you had reviewed Mr. Kondakjian's report with Charles back in the early 1990s?

A. In much more detail.

Q. How so?

A. I had more time to review this estimate, and Mr. Thorve had more time to spend with me to review this estimate.

Q. Did you and he travel to Building 53 to perform an inspection of the facility in the same way that you had once done so with Mr. Kondakjian?

24 A. I did not.

25 Q. Mr. Thorve, however, did

1 undertake several inspections of the facility?
2 A. Yes. Mr. Thorve and others
3 working for the Port Authority spent
4 considerable time at the facility in going
5 through the areas.
6 Q. Generally speaking, in terms of
7 methodology how is the quantity of
8 fireproofing determined for the 1996 cost
9 estimate?
10 A. We used the beams on the
11 overspray where there was overspray or
12 fireproofing on the deck where that did occur
13 and actually took the beam shapes, determined
14 the square foot per foot of beam and
15 determined the amount of fireproofing on the
16 beams.
17 They did not account for
18 miscellaneous steel add-ons such as stiffness
19 or end plates or web plates of any type. They
20 then added on the fireproofing to that
21 estimate.
22 Q. Did Mr. Thorve utilize a beam-
23

24 calculating computer program to calculate the

25 square footage of fireproofing as applied to

steel beams?

A. He used the Port Authority program, which for a number of steel shapes will give you the square footage of fireproofing per foot of beam.

Q. Is the Port Authority's beam-calculating computer program limited in terms of the number of beam designations that it addresses?

A. Yes. It addresses the current standard beams as you would find in the American Institute of Steel and Construction Manual.

Q. You said standard beams, however, correct?

A. Yes.

Q. Not all possible fabrication varieties, correct?

A. Correct.

Q. What happens in an instance when a preparer of a cost estimate encounters a particular beam in a facility whose

24 designation is not addressed by the Port

25 Authority's beam-calculating computer program?

A. The person performing the estimate will pick the closest beam in size and weight to the beam that he actually has in the field, and he would use the estimate based on that. That beam that he picks from the program may be slightly larger or slightly smaller than the beam that's actually in place.

Q. In other words, the standing instruction is not to round down to the next smallest beam or alternatively to round up to the next largest beam, but rather to select the next closest beam regardless of whether it's larger or smaller, correct?

A. Yes.

Q. You used the word "slightly." in your answer to my last question. Is there ever a situation where the next closest beam addressed by the computer calculating program that the Port Authority uses is not slightly larger or slightly smaller but rather significantly larger or significantly smaller

24 than the subject beam?

25 A. I doubt it. These are for the

most part not a bridge-span type of beam. These are building beams, and building beams are within a certain range, and for the Port Authority program the standard beam size now should bracket most of the beams that were used in the buildings.

Q. Couldn't the preparer of a cost estimate manually calculate the square footage of fireproofing on the subject beam using manuals of dimensions of various beam designations rather than finding an approximation of the next closest size beam addressed by the program?

A. Yes, if he could find the beam sizes in a manual, but if he could find it in a manual, it would probably be in the Port Authority program. The case in fact is that where a beam is an imported beam or is a beam shape that is no longer in use, it would not be in the manual. He will therefore have to take the approximate measurements of the beam and use those.

24 Q. You mentioned, Mr. Kirshner,

25 that the preparer of the cost estimate did not

take into account fireproofing as applied to structural add-ons such as stiffeners and end plates and web plates, is that correct?

A. Yes.

Q. Why is that?

A. Too time consuming, and probably doesn't add that many dollars in the long run when we include those. In fact, in this building you find out this is one of the buildings that has asbestos on the columns, and the columns were not accounted for in this building, either.

Q. Was that an oversight?

A. No. It was decided that even though it would add some -- it's very difficult to do, so let's not do it.

Q. Columns as opposed to beams are vertical structural steel members?

A. And usually encased with something.

Q. As in the earlier cost estimate prepared by Mr. Kondakjian, the one that Mr.

24 Thorve prepared that we have marked today as

25 Exhibit 9 likewise presumes complete removal

as the exclusive abatement option, is that correct?

A. Yes.

Q. I will note for the record that all 70 of the separate work areas designated by Mr. Thorve in his 1996 cost estimate involved the removal of fireproofing. Do you know what that number was based on?

A. The 70?

Q. Yes.

A. They are based on 70 areas that he selected as reasonable work areas to maintain the operation of the building.

Q. It's a number very close to the 69 separate work areas designated by Hall-Kimbrell in their assessment performed in the late '80s. Is it your understanding that like Mr. Kondakjian, who relied heavily on the Storch data, Mr. Thorve relied heavily on the Hall-Kimbrell data?

A. Mr. Thorve told me that he did this independently. While he may have looked

24 at all of the previous data, he did this

25 independently.

Q. Did Mr. Thorve seek any guidance or consultation with you when he was designating his 70 separate fireproofing work areas?

A. No.

Q. Does there today exist an actual abatement design for the complete removal of all the fireproofing in JFK Building 53?

A. No.

Q. Isn't it true that when and if the time should come when such an abatement design would be commissioned that it would be that abatement design that will dictate the actual number of fireproofing work areas?

A. Yes.

Q. Isn't it possible that should that day arise that there will, in fact, be fewer than 70 fireproofing work areas?

A. Not very likely. When you look at the size of the abatements to date which all had to do with renovations in the building, they are much, much smaller than the

24 size of the work areas that we have designated

25 in the 1996 estimate.

Q. I understand that the 1996 cost estimate incorporates statistical data through the second half of 1995, correct?

A. Yes.

Q. Was Mr. Thorve instructed to prepare a future cost estimate for an abatement that would take place in any particular given future year?

A. No. He was instructed to prepare the cost estimate as if it were going to be performed in 1995, the second half of 1995.

Q. Please turn to the page of Exhibit 9 that is Bates stamped in the lower right-hand corner with the number ending 594.

A. All right.

Q. This page has a heading on it that reads "Beam shapes," correct?

A. Yes.

Q. Each one of the 70 work areas designated by Mr. Thorve has an accompanying beam shape sheet, correct?

24 A. Yes. If there are beams in the

25 area, he has done so.

Q. What does this beam shape sheet reflect?

A. It shows the beam from the beam program and the depth and width of the beam and the feet of beam and the square feet of fireproofing per foot of beam multiplied out given the square foot of fireproofing on the beam.

Q. So this sheet --

A. It also subtracts the area of the beam that may be touching the deck, so therefore is not fireproofing.

Q. The beam designations as given on every beam shape sheet, then, are not the designations of the actual subject beams but rather those that were selected by the estimate preparer as to be as close in size and dimension to the subject beam, is that correct?

A. It's my understanding of the beam program that you have to select a beam that is in the program. Mr. Thorve can

24 clarify that, but it's my understanding that

25 the beam that's shown here is that beam that's

in the program itself.

Q. But not necessarily the actual beam that's the subject beam? It may or may not be the same designation as the subject beam?

A. That's right.

Q. Keeping your finger on the page that we were just looking at, please turn to the page of Exhibit 9 which has Bates numbering ending in 649.

A. 649?

Q. Correct.

A. All right.

Q. The page with Bates numbering ending with 649 is a handwritten worksheet, correct?

A. Yes.

Q. Like the beam shape sheets, there is a separate handwritten worksheet for each of the 70 work areas designated by Mr. Thorve, correct?

A. Yes.

24 Q. In order to analyze accurately

25 his cost estimate, then, it is necessary to

look at the cost estimate data reflected in the report itself in conjunction with the accompanying beam shape sheet and the handwritten worksheet for each fireproofing work area, correct?

A. Yes.

Q. Let me ask the court reporter now to mark as JFK Building 53 Damages Exhibit 10 a multi-page document on 11-inch paper whose first page bears the Bates number PA0277574.

(Thereupon, a multi-page document on 11-inch paper whose first page bears the Bates number PA0277574 was marked JFK Building 53 Damages Exhibit 10 for identification.)

Q. Mr. Kirshner, I show you what the court reporter has marked JFK Building 53 Damages Exhibit 10. Have you seen this document before?

A. Either this document or something similar to it.

24 Q. What is it?

25 A. It's the input sheets for the

1996 cost estimate for Building 53.

Q. I will represent to you that this very document was produced to us by the Port Authority Law Department in its present form. Mr. Thorve, unlike Mr. Kondakjian, did assign difficulty factors to his 70 fireproofing work areas, correct?

A. Yes. My copy is not that clear, but he did.

Q. They seem to all be 1.2, is that correct?

A. From the ones I can see, that's correct.

Q. I want you to take a look at my copy, which might be somewhat clearer than yours.

A. No, it's about the same. It disappears toward the bottom of the page, but as I recall, they were all 1.2.

Q. Relative to the difficulty factors that are typically assigned to other buildings at issue, is 1.2 an average

24 difficulty factor?

25 A. For areas where you are going to

have a lot of tunneling access through the areas, 1.2 is a typical factor that will be used.

Q. What does that mean, "tunneling through the areas"?

A. In setting up a work area, you very often have to have access through the work area and also very often have to carry utilities through the work areas to -- or reroute utilities so they are servicing an adjacent area.

All that is very expensive, and therefore for these type of areas where public access is an everyday thing we usually assign a difficulty factor of 1.2, 1.3 or such.

Q. I also see that Mr. Thorve did assign dollar attributions to the cost of scaffolding. That's reflected on the two pages whose Bates numbering ends in 590 and 591?

A. He did show the square feet of scaffolding which would be required and also

24 showed the extra plywood that would be

25 required to the scaffolding.

Q. The plywood figures are also in square footage?

A. Yes.

Q. These are not dollar amounts?

A. No.

Q. Was there any rolling scaffolding --

A. No.

Q. -- contemplated by Mr. Thorve?

A. Apparently not, based upon my printout of the form.

Q. Rolling scaffolding is appropriate in areas where ceiling heights are not very great, correct?

A. Yes.

Q. With one exception, every single one of the 70 Thorve fireproofing work areas has 17 or fewer feet in height. Do you see that?

A. Yes.

Q. Is that not suitable for rolling scaffolding?

24 A. Rolling scaffolding also has to

25 do with the size of the areas. When you start

to pick out large areas, it's probably less expensive to go with standard scaffolding.

Q. Why?

A. Because you could build a scaffolding and people can work in the area for a while. You are not limited to rolling scaffolding being moved, being in an area and moved, constantly moved. You are better off with the fixed scaffolding in a larger area.

In a smaller area, rolling scaffolding is often better simply because you need some access on the floor and it allows you to move around the area to service the asbestos removal.

Q. We have seen in Exhibit 6 the dimensions of the Kondakjian work areas, correct?

A. Yes.

Q. We now see in Exhibit 10 the dimensions of the Thorve work areas, correct?

A. Yes.

Q. I understand why the width and

24 the length dimensions are different. That has

25 to do with Thorve designating but 70

fireproofing work areas where Mr. Kondakjian has designated 196 fireproofing work areas. What troubles me is why the difference in height between the Kondakjian dimensions and the Thorve dimensions? Can you explain that?

MR. CAMPBELL: For which work areas?

MR. SILVERMAN: Generally speaking.

A. (No response)

Q. For instance, on Exhibit 10 there appears to be a run of 14-foot high ceiling work areas from Work Area 1 through about Work Area 13. Then there's another run of 17-foot high ceilings that goes from Work Area 14 through about Work Area 32.

Following that there is a run of 15-foot high ceilings going from Work Area 34 to about Work Area 59. I don't see any such pattern in Exhibit 6.

A. Well, I'm looking at it from the point of view that if you take the first floor

24 here, they are all 14 feet. Now this first

25 floor in Exhibit 10 would relate to the minus

one floor in Exhibit 6, and the minus one floor in Exhibit 6, they are all 15 feet, almost all 15 feet.

Q. Are they all bunched together in the same way that the first floor work areas are bunched together on Thorve's printout?

MR. CAMPBELL: Objection.

A. Mostly. I'm looking at Exhibit 6, and they are mostly in one area, so instead of 16, Mr. Thorve had -- no, instead of 15 and 16, he has it as 14. If you look at the second floor, which are noted as 17-feet high in Exhibit 10, they would be the first floor and these are 15 to 20. Now --

Q. As reflected on Exhibit 6?

A. Yes, and Exhibit 6 also has 17 feet on a lot of their first floor, which would be Exhibit 10's second floor.

Q. Why are the floor designations off?

A. The floor designations in Exhibit 6 are minus one, one, two, three, and

24 they probably reflect a little better what's

25 in the field. The floor designations on

Exhibit 10 are one, two, three, four, with one being the minus one of Exhibit 6. To me, it's not confusing. It's just what they used as notation.

So I think what Mr. Thorve did was on his second floor, which is the first floor -- which is the first floor in Exhibit 6 and is the floor that's at the tarmac level or the level of the plane wheels -- outside plane wheels, he averaged out using the 14 feet, 15 feet and 17 feet, and he averaged out his ceiling height at 17 feet. He just used one height. I think that's the main difference in the estimates. Otherwise, they are not that different.

Q. Did Mr. Thorve present you with a draft of his 1996 cost estimate?

A. No.

Q. When he submitted to you for review his cost estimate and you undertook an extensive review of it as you testified earlier, did you provide him with any feedback or

24 comments of any kind?

25 A. No.

Q. Did you approve of his methodology?

A. Yes.

Q. Did you concur in his findings?

A. Yes.

Q. Did you instruct him to in any way revise, amend or change his cost estimate?

A. No.

Q. Did you in turn submit it for review by Mr. Bialik?

A. We submitted it to Mr. Bialik. What our experience was was that we would not get any comments back.

Q. And, in fact, did you?

A. No.

Q. Did you ever receive comments or feedback of any kind from anyone at the Port Authority's Law Department concerning Mr. Thorve's 1996 cost estimate prepared in connection with Building 53?

A. No.

Q. Was there anything about Mr.

24 Thorve's report that gave you concern?

25 A. No.

Q. Was there anything about it that you felt might make it less easily defensible in this litigation?

MR. CAMPBELL: Object to the form.

A. No.

Q. Did you, in essence, approve of his cost estimate prior to the submission to Mr. Bialik?

A. Yes.

Q. Did anyone else at the Port Authority approve of his cost estimate before it was submitted to Mr. Bialik?

A. No.

Q. I will ask the court reporter to mark as JFK Building 53 Damages Exhibit 11 a series of stapled construction drawings that have been Bates stamped on the extreme lower right-hand corner with a range of numbers from PA0276842 through and including PA0276867 with an additional drawing Bates stamped PA0276903 inserted between 847 and 848.

24 (Thereupon, a series of stapled

25 construction drawings with Bates numbers

PA0276842 through and including PA0276867 with an additional drawing Bates stamped PA0276903 inserted between 847 and 848 were marked JFK Building 53 Damages Exhibit 11 for identification.)

Q. Mr. Kirshner, I set before you a series of drawings that have been marked JFK Building 53 Damages Exhibit 11. Have you seen these drawings before?

A. These drawings or similar drawings before, yes.

Q. What are they?

A. They are drawings which show areas that have been abated and also sample numbers and sampling locations so that the person doing the cost estimate could determine whether the material in an area was asbestos or not. The drawings starting with Bates No. 846 start to show some of the work areas. These are the work areas that relate to the 1996 estimate.

Q. I see Work Area 1 is reflected

24 on Drawing 846?

25 A. Right.

Q. Work Areas 2 and 3 are reflected on Drawing 847, correct?

A. Yes.

Q. Work Areas 4 through 9 are reflected on Drawing 848, correct?

A. Correct.

Q. Work Areas 10 and 11 are reflected on Drawing 849, correct?

A. Yes.

Q. Work Areas 12 and 13 are reflected on Drawing 850?

A. Yes.

Q. Work Areas 14, 15 and 16 are reflected on Drawing 851?

A. Yes.

Q. Work Areas 17 and 18 are reflected on Drawing 852?

A. Yes.

Q. Work Areas 19 through 22 on Drawing 853?

A. Yes.

Q. Work Areas 23 through 26 on

24 Drawing 854?

25 A. Yes.

Q. Work Areas 27, 28 and 29 on Drawing 855?

A. Yes.

Q. Work Areas 30, 31 and 32 on Drawing 856?

A. Yes.

Q. Work Areas 33 through 35 on Drawing 857?

A. Yes.

Q. Work Areas 36 through 38 including 38A on Drawing 858?

A. Yes.

Q. Work Areas 39 through 41 on Drawing 859?

A. Yes.

Q. Work Areas 42 through 45 on Drawing 860?

A. Yes.

Q. Work Areas 46 through 49 on Drawing 861?

A. Yes.

Q. Work Areas 50 through 54 on

24 Drawing 862?

25 A. Yes.

Q. Work Areas 55 through 59 on Drawing 863?

A. Yes.

Q. Work areas 60 through 63 on Drawing 864?

A. Yes.

Q. Work areas 64 on Drawing 865, area?

A. Yes.

Q. Work Areas 65 through 68 on Drawing 866?

A. Yes.

Q. And finally Work Area 69 on Drawing 867?

A. Yes.

Q. This, then, is a complete set of the drawings that accompanied Mr. Thorve's 1996 cost estimate for JFK Building 53?

A. Yes.

Q. Since July 18, 1996, the date of the Thorve cost estimate, has it ever been revised, amended or changed in any way?

24 A. No.

25 Q. Is there a plan within the Port

Authority to undertake such a revision or an amendment of Mr. Thorve's 1996 cost estimate?

A. No.

MR. SILVERMAN: I have no further questions at this time.

MR. CAMPBELL: The deposition is closed.

(Time noted: 3:55 p.m.)

24

25

A C K N O W L E D G M E N T

STATE OF NEW YORK)
:ss
COUNTY OF)

I, MARVIN KIRSHNER, hereby certify that I have read the transcript of my testimony taken under oath in my deposition of January 6, 1997; that the transcript is a true, complete and correct record of what was asked, answered and said during this deposition, and that the answers on the record as given by me are true and correct.

MARVIN KIRSHNER

Signed and subscribed to
before me, this day
of , 1997.

Notary Public

24

25

C E R T I F I C A T E

I, CHERYLL KERR, hereby certify that the Examination Before Trial of MARVIN KIRSHNER was held before me on January 6, 1997;

That said witness was duly sworn before the commencement of his testimony;

That the within testimony was stenographically recorded by myself, and is a true and accurate record of the Examination Before Trial of said witness;

That the parties herein were represented by counsel as stated herein;

That I am not connected by blood or marriage with any of the parties. I am not interested directly or indirectly in the matter in controversy, nor am I in the employ of any of the counsel.

IN WITNESS WHEREOF, I have hereunto set my hand this 6th day of January, 1997.

---

24 CHERYLL KERR

25

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETE

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED
PA	215.115		JFK	54		PAN AMERICAN, OUTBOUND CONVEYOR	DSI INDUSTRIES, ENVIRONMENTAL DIVISION	B. KUCHYNSKAS	/ /	ON HOLD	Y	N	/ /		N
[redacted]															
PA	215.204	215.600	JFK	54	1ST	TERMINAL 1A - GROUND FLOOR MECHANICAL EQUIPMENT ROOM	PROJECT DEVELOPMENT GROUP		/ /	ON HOLD	Y	N	/ /		N
[redacted]															
T	215.215	Y-6514 A	JFK	#53 & 54	3RD	DELTA AIRLINES - INTERIOR SIGNS AND SECURITY PROJECTS	GUARANTEED CLEAN AIR	?	/ /	08/03/92 IN PROGRESS	Y	N	/ /	JFK-154-92	

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* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED
[redacted]															
T	215.218	Y-6522 A	JFK	53	3RD	DELTA AIRLINES - EXTERIOR VESTIBULES	GUARANTEED CLEAN AIR	D. BOURNIAS	09/14/92	IN PROGRESS	Y	N	/ /	JFK-157-92	N
T	215.221	Y-6526 A	JFK	53 & 54	ROOF	DELTA AIRLINES - ROOF RENOVATIONS	GUARANTEED CLEAN AIR		09/03/92	IN PROGRESS	Y	N	/ /	JFK-156-92	N
[redacted]															

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED
[redacted]															
T		Y-6469	JFK	53	CONCOURSE	DUTY FREE SHOPS CABLE INSTALLATION			/ /	PLANNING	N	N	/ /		N
[redacted]															

P 510441

OEPM - 42

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

PORTS DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

PORTS DEPARTMENT

ASBESTOS MANAGEMENT DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

PA/ TENANT	JOB #	CONTRACT/ TENANT #	FACILITY	BUILDING	FLOOR	LOCATION	CONTRACTOR	AMD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AMD PLACARD #	BUDGETED

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

173 records

PORT AUTHORITY

[redacted]

[redacted]

[redacted]

PORT AUTHORITY

[redacted]

AV' 'ON NI, BLDG 54	Hanger 12 and boiler room adjacent to Hanger 12	215.015	Hanger Area and Boiler Room	nba6	Asbestos Removal Corp.	16500.00 06/13/88	PT	
AVIATION JFK BLDG 53	Pan Am World Port Terminal 'A'	215.016	duty free shop-International Shoppers present tenant	y5956	Enviorsafe	40000.00 05/20/88	PT	New Retail Shop

[redacted]

AVIATION JFK BLDG 53	Pan Am Concourse level	215.022	Pan Am WorldPort - retail stores Hudsons' shop	y5980	ATC Enviormental Inc.	30000.00 10/10/88	PT	New Retail Shop

[redacted]

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO #	Contractor	Estimated	Estimated	Job	Reason For
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Ord #	Contractor	Estimated Cost	Estimated Start Date	Job Type	Reason for Abatement
[redacted]									
AVIATION JFK BLDG 53	Pan Am Old Texas Lounge	215.887	Counters & Conveyors	y5981	Aped Co. Inc.	12000.00	06/08/88		New Ticket Counter & Conveyor
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Order #	Contractor	Estimated Cost	Estimated Start	Job	Reason For
[redacted]									

nc

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Ord #	Contractor	Estimated Cost	Estimated Start	Job Type	Reason For Abatement
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO #	Contractor	Estimated Cost	Estimated Start	Job Type	Reason For Abatement
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Ord #	Contractor	Estimated Cost	Estimated Start	Job Type	Reason For Abate...
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO #	Contractor	Estimated Cost	Estimated Start	Job Type	Reason For
[redacted]									

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Ord #	Contractor	Estimated Cost	Estimated Start	Job Type	Reason For Abatement
[redacted]									

Department
Facility and

Area

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

[redacted]

PORT AUTHORITY

[redacted]

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

[redacted]

PORT AUTHORITY
ASBESTOS ABATEMENT PROJECTS

Department Facility and Building	Area	Job Number	Space Type and Use	Contract # PO # Work Ord #	Contractor	Estimated Cost	Estimated Start Date	Job Type	Reason For Abatement
[redacted]									

P 546387

Abatement Projects

JFK

[redacted]

Abatement Projects

JFK CONTINUED

[redacted]

Pan Am Building 53, Concourse Level, Refugee Lounge - 215.125	JFK-026-90	Completed

[redacted]

Abatement Projects

JFK CONTINUED

[redacted]

Pan Am Mrs. Field's Cookie Shop, Building 53 - 215.147	JFK-053-90	Completed

[redacted]

B-U-C-K-S-L-I-P

To: Dick
From: Kelly
Date: August 17, 1990
Subject: Asbestos Abatement Status Report For The Period Ending August 17, 1990.

cc: Chris

Department	Avia.	Port	Rail	TB&T	WT/ED	Total
Planning	29	9	0	6	19	66
On Going						
PA	3	0	1	3	1	8
TAA	4	0	0	0	0	4
						78

Kenia

Page No. 1
08/17/90

ON GOING ABATEMENT

CNT	STATUS	DEPT	FACILITY	BUILDING	LOCATION	CONTRACTOR	JOB NUMBER	CONTRACT NUM	CONTRACT MONITOR
[redacted]									
1	ONGOING	AVIATION	JFK	BLDG 54	LOTS 4 & 5 PAN AM TERMINAL B OUTSIDE TRENCH	OGDEN/DECONTAMINATION SRV	215.523	JFK 215.500	A. KUMAS
[redacted]									

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

CONTRACT /				START		USEPA	WASTE DOCUMENT	DATE	AM&CD
[redacted]									
215.071	JFK - BLDG. # 53, PAN AM GATE 9, PASSENGER WAITING AREA	APED	K. GOSS	/ /	COMPLETED (Y6123A).	N	Y	/ /	N
[redacted]									

NOTE: SEARCHES DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
215.022		JFK - BUILDING # 53 HUDSON	ENVIRO SAFE		/ /	COMPLETED.	Y	Y	/ /		N
215.059		JFK - BUILDING # 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	D. SAMUELS	/ /	COMPLETED.	Y	Y	/ /	JFK-010-90	N

[redacted]

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08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											
215.087		JFK - PAN AM, BUILDING # 53 EAST CUSTOMS AREA	DSI IND., ENV. DIV.	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
215.125		JFK - PAN AM, BUILDING # 53, CONCOURSE LEVEL REFUGEE LOUNGE	ADVATEX	B. KUCHYNSCAS	/ /	COMPLETED.	Y	N	/ /	JFK-026-90	N
215.115		JFK - PAN AMERICAN, BUILDING # 54, OUTBOUND CONVEYOR	DSI IND., ENV. DIV.	B. KUCHYNSKAS	/ /	ON HOLD.	Y	N	/ /	.	N
[redacted]											
215.050		JFK - PAN AMERICAN, WORLD PORT EAST/WEST CONCOURSE	APED	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ⊥	WASTE DOCUMENT RETURNED ⊥	DATE COMPLETED	AM&CD PLACARD #	BUDGETED

[redacted]

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
							↓	↓			

[redacted]

08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/17/90

PORTS DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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PORTS DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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08/17/90

PORTS DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

B-U-C-K-S-L-I-P

To: Dick
From: Kelly
Date: August 6, 1990
Subject: Asbestos Abatement Status Report For The Period Ending August 3, 1990.

cc: Chris

Department	Avia.	Port	Rail	TB&T	WT/ED	Total
Planning	22	9	1	8	19	50
On Going						
PA	3	0	0	1	1	5
TAA	2	0	0	0	0	2
						57

ON GOING ABATEMENT

CNT	STATUS	DEPT	FACILITY	BUILDING	LOCATION	CONTRACTOR	JOB NUMBER	CONTRACT NUM	CONTRACT MONITOR
[redacted]									
1	ONGOING	AVIATION	JFK	BLDG 54	PAN AM TERMINAL B OUTSIDE TRENCH	OGDEN/DECONTAMINATION SRV	215.523	JFK 215.500	A. KUMAS

** Subtotal **
5

[redacted]

P 600085

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JO	CONTRACT /		START		USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]									
215.071	JFK - BLDG. # 53, PAN AM GATE 9, PASSENGER WAITING AREA	APED	K. GOSS	/ /	COMPLETED (161253A).				
[redacted]						N N	/ /		N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											
215.022		JFK - BUILDING # 53 HUDSON	ENVIRO SAFE		/ /	COMPLETED.	Y	Y	/ /		N
215.059		JFK - BUILDING # 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	D. SAMUELS	/ /	COMPLETED.	Y	Y	/ /	JFK-010-90	N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

[redacted]

				START		USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
215.087	JFK - PAN AM, BUILDING # 53 EAST CUSTOMS AREA	DSI IND., ENV. DIV.	K. GOSS	/ /	COMPLETED.		Y N	/ /	JFK-026-90	N
215.125	JFK - PAN AM, BUILDING # 53, CONCOURSE LEVEL REFUGEE LOUNGE	ADVATEX	B. KUCHYNSCAS	/ /	COMPLETED.		Y N	/ /		N
215.115	JFK - PAN AMERICAN, BUILDING # 54, OUTBOUND CONVEYOR	DSI IND., ENV. DIV.	B. KUCHYNSKAS	/ /	ON HOLD.		Y N	/ /		N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

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[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

RPP- 9

JUL 08 1987

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

To: ~~KA~~ JFK

M E M O R A N D U M

TO: Pantelis D. Mourges, Manager, Plant and Structures Division, JFKIA
FROM: Harry R. Pool, Jr.
DATE: July 7, 1987
SUBJECT: ASBESTOS BULK SAMPLE ANALYSIS - PAN AM BUILDING-53 JOB A3-100-509

COPY TO: N. Budeiri, J. Darcy, R. Fagin, M.D., J. Gallagher, S. Samperi

Analysis of bulk asbestos samples from the subject areas revealed the following:

Sample labled KIA-#1-KIA "Pam Am Building #53 Job A3-100-509-9-10 EM Beam col 9-10 E". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate, gypsum and fibrous glass.

Sample labled KIA #2 - "Pan Am/53". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate gypsum and fibrous glass.

Sample labled KIA#3 "Pan Am/Building 53". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate, gypsum and fibrous glass.

Therefore all product samples analyzed are considered to be asbestos containing materials (ACM).

If you have any questions, call me at PATHside (201) 963-7476.

Harry Pool

Harry R. Pool, Jr., Supervisor
Environmental Programs
Inspection and Safety Division

AEK/sw

P 600785

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level I and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$9,904,136
10% Contingency	$990,414
Total Removal/Replacement with Contingency	$10,894,550

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $10,894,550	$708,146
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,890 8-hour shifts:	
1,890 X $490	$926,100
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $10,894,550	$21,789
Total Project Estimate Including Professional Fees and Contingency	$12,550,585

P 702759

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level II and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$5,440,184
10% Contingency	$544,018
Total Removal/Replacement with Contingency	$5,984,202

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $5,984,202	$388,973
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,038 8-hour shifts:	
1,038 X $490	$508,620
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $5,984,202	$119,684
Total Project Estimate Including Professional Fees and Contingency	$7,001,479

P 702760

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level III and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$25,170,237
10% Contingency	$2,517,024
Total Removal/Replacement with Contingency	$27,687,261

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.5% of Total Construction Cost:

6.5% X $27,687,261	$1,799,672

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 4,803 8-hour shifts:

4,803 X $490	$2,353,470

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $27,687,261	$553,745

Total Project Estimate Including Professional Fees and Contingency	$32,394,148

P 702761

COST ESTIMATE

BUILDING 53 - PAN AM AIRLINES TERMINAL

Removal of all asbestos-containing materials in Priority Level IV and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$1,365,845
10% Contingency	$136,585
Total Removal/Replacement with Contingency	$1,502,430

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.5% of Total Construction Cost:

6.5% X $1,502,430	$97,658

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 261 8-hour shifts:

261 X $490	$127,890

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $1,502,430	$30,049

Total Project Estimate Including Professional Fees and Contingency	$1,758,027

P 702762

PHOTOGRAPH LOG

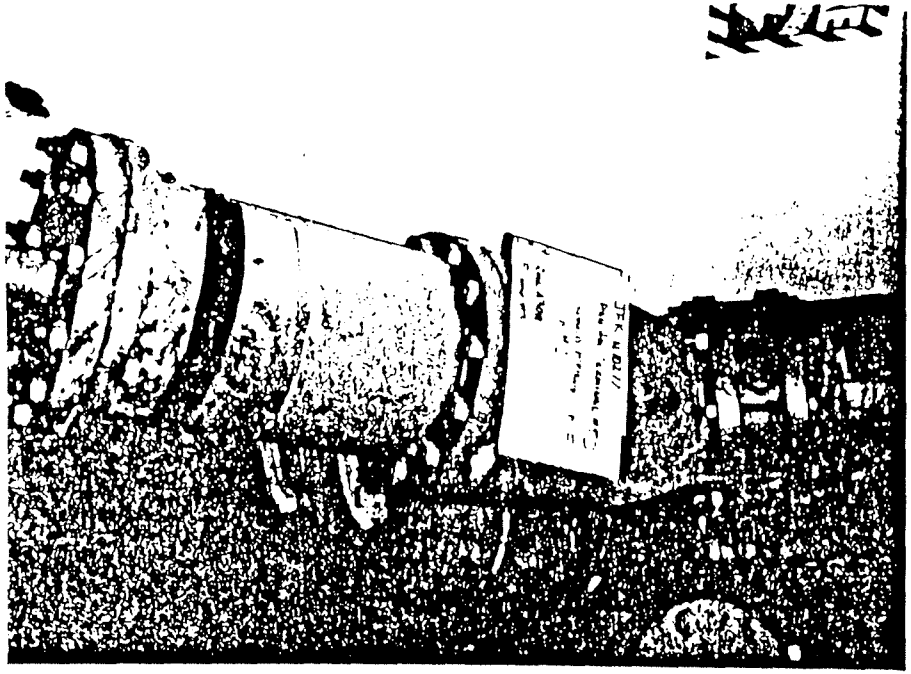
BUILDING 53 - PAN AM TERMINAL

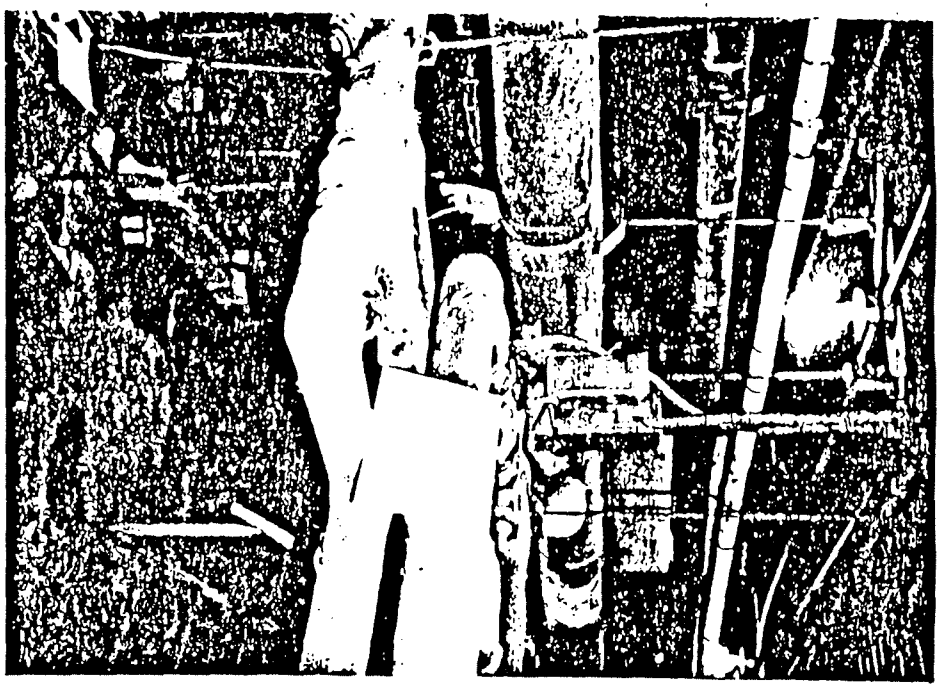
Picture #	Description
1	Pan Am Terminal, Old North Building, roof, penthouse mechanical room, exposed piping.
2	Pan Am Terminal, New Building, Apron Level, MER 2, exposed piping.
3	Pan Am Terminal, New Building, First Level, MER 1.
4	Pan Am Terminal, New Building, Apron Level, baggage handling area.
5	Pan Am Terminal, New Building, Apron Level, Gate 23 jetway, fireproofing.
6	Pan Am Terminal, New Building, Ground Level, MER 1, exposed piping and tank insulation
7	Pan Am Terminal, Old Building, Basement, MER 6, exposed piping.
8	Pan Am Terminal, Ground Level, Baggage Claim D-1, 2' by 2' lay-in ceiling panels.
9	Pan Am Terminal, New building, Fourth Floor, penthouse, return air plenum.

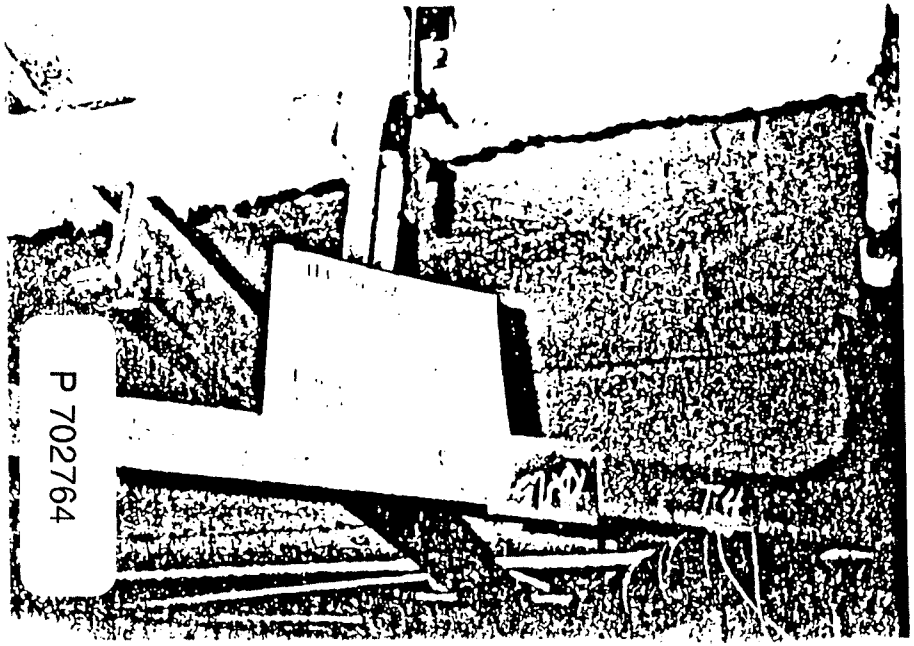
P 702763

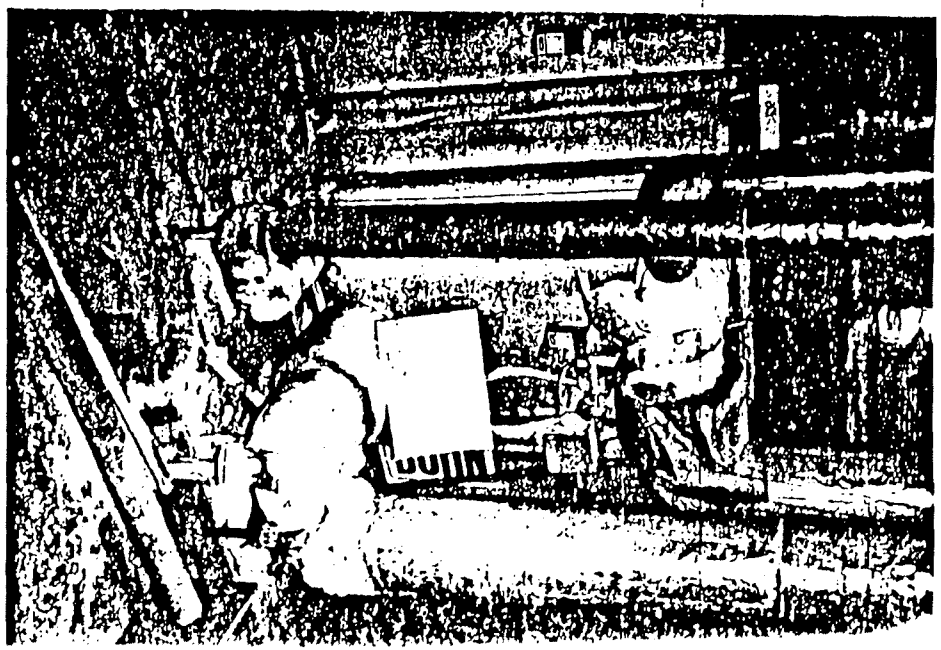
C-LINE #52584
35MM PRINTS

#3



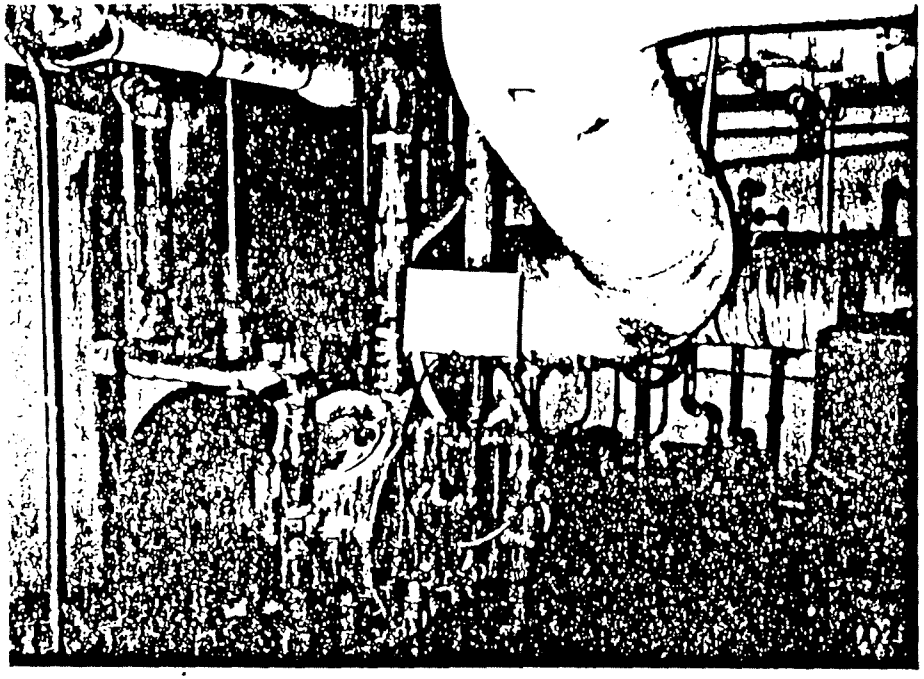


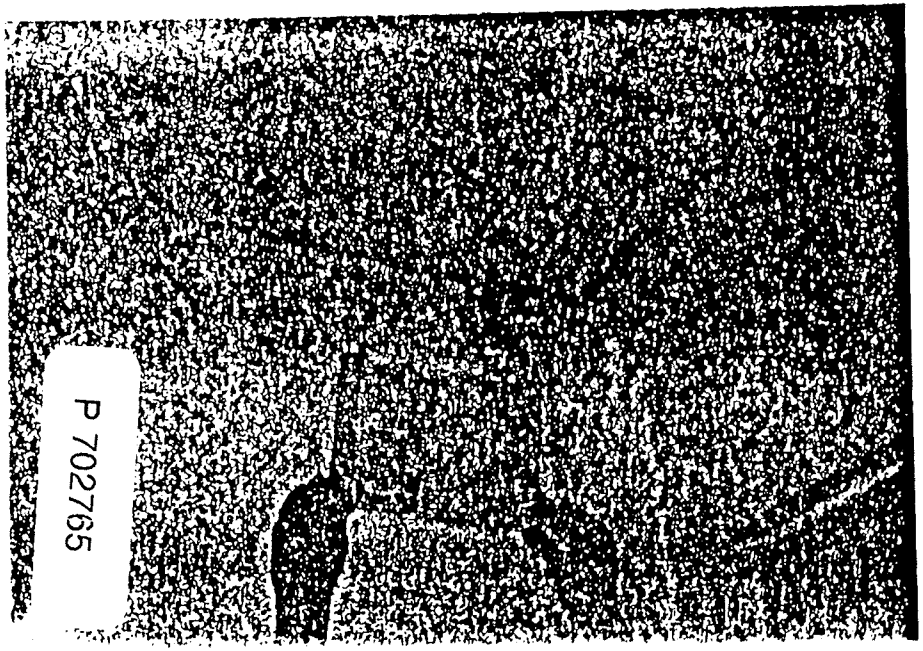




C-LINE #52584
35MM PRINTS

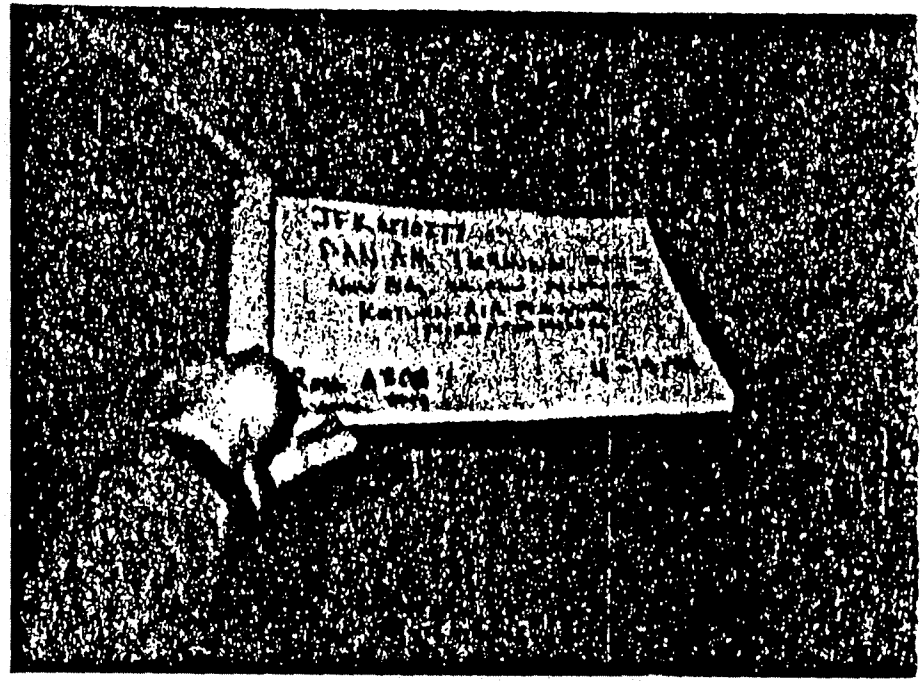
53





C-LINE #52584
35MM PRINTS

53



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HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	T
20 -174688	Y	Y	60	25	35								30	10 COT	
20 -174689	Y	Y	30	15	15				30				30	10 COT	
21 -174690	Y	N	0						55				35	10 COT	
21 -174691	Y	N	0						55				35	10 COT	
21 -174692	Y	N	0						55				35	10 COT	
22 -174693	Y	N	0						60				30	10 COT	
22 -174694	Y	N	0						55				35	10 COT	
22 -174695	Y	N	0						60				30	10 COT	
23 -174696	Y	N	0						60				40		
23 -174697	Y	N	0						65				35		
23 -174698	Y	N	0						55				45		
24 -187501	Y	N	0						60				40		
24 -187502	Y	N	0						65				35		
24 -187503	Y	N	0						60				40		
25 -187504	Y	Y	60	60									40		
25 -187505	Y	Y	40	40									60		
25 -187506	Y	Y	40	40									60		
26 -187507	Y	Y	15	15							20		65		
26 -187508	Y	Y	10	10							30		60		
26 -187509	Y	Y	5	5							30		65		
26 -187510	Y	Y	5	5							35		60		
26 -187511	Y	Y	10	10							40		50		
27 -187512	Y	N	0						45				45	10 GM	
27 -187513	Y	N	0						45				45	10 GM	
27 -187514	Y	N	0						40				50	10 GM	
28 -187515	Y	N	0						50				50		
28 -187516	Y	N	0						55				45		
28 -187517	Y	N	0						50				50		
29 -187518	Y	Y	20	20							30		50		
29 -187519	Y	Y	15	15							30		55		
29 -187520	Y	Y	10	10							35		55		
29 -187521	Y	Y	20	20							30		50		
29 -187522	Y	Y	20	20							35		45		
29 -187523	Y	Y	20	20							25		55		
29 -187524	Y	Y	30	30							25		45		
29 -187525	Y	Y	25	25							30		45		
30 -187526	Y	N	0						40				60		
30 -187527	Y	N	0						45				55		
30 -187528	Y	N	0						40	20			40		
0 -187529	N	Y	40	40						40			20		
31 -187530	Y	N	0						40	10			50		
31 -187531	Y	N	0						35	10			55		
31 -187532	Y	N	0						35	10			55		
32 -187533	Y	N	0						30	5			65		
32 -187534	Y	N	0						35	5			60		
32 -187535	Y	N	0						35	10			55		
33 -187536	Y	N	0						30	10			50	10 GM	
33 -187537	Y	N	0						30	10			50	10 GM	
33 -187538	Y	N	0						30	10			50	10 GM	
34 -187539	Y	Y	10	10							40		50		
34 -187540	Y	Y	10	10							45		45		
34 -187541	Y	Y	10	10							30		60		
34 -187542	Y	Y	5	5							45		50		
34 -187543	Y	N	0								25		75		
34 -187544	Y	Y	15	15							20		65		
34 -187545	Y	N	0							30	50		20		
0 -187546	N	N	0						45				55		
0 -187547	N	N	0						20	40		25	15		
0 -187548	N	Y	40		40					30			30		
35 -187549	Y	Y	45	25	20					10			45		
35 -187550	Y	Y	60	30	30					10			30		
35 -187551	Y	Y	45	25	20								55		
36 -187552	Y	N	0						30				70		
36 -187553	Y	Y	5	5					30				65		
36 -187554	Y	N	0						60				40		
37 -187555	Y	Y	25	25									75		
37 -187556	Y	Y	60	40	20				20				20		
37 -187557	Y	Y	25	25					20				55		
0 -187558	N	Y	15	15							70		15		

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HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	T
44 -187630	Y	Y	10	10							60		30		
44 -187631	Y	Y	10	10							70		20		
44 -187632	Y	Y	8	8							62		30		
44 -187633	Y	Y	12	12							68		20		
44 -187634	Y	Y	15	15							65		20		
44 -187635	Y	Y	15	15							45		40		1
44 -187636	Y	Y	8	8							62		30		1
44 -187637	Y	N	0								60		40		1
44 -187638	Y	Y	12	12							75		13		1
44 -187639	Y	Y	15	15							65		20		1
44 -187640	Y	Y	10	10							65		25		1
44 -187641	Y	Y	15	15							60		25		1
44 -187642	Y	Y	10	10							60		30		1
44 -187643	Y	Y	15	15							60		25		1
0 -187644	N	N	0						80				20		1
44 -187645	Y	Y	10	10							60		30		1
44 -187646	Y	Y	12	12							55		33		1
44 -187647	Y	Y	25	25							45		30		1
44 -187648	Y	Y	30	30							30		40		1
44 -187649	Y	Y	25	25							25		50		1
44 -187650	Y	Y	15	15							35		50		1
44 -187651	Y	Y	8	8							62		30		1
44 -187652	Y	Y	2	2							58		40		1
44 -187653	Y	Y	3	3							47		50		1
44 -187654	Y	Y	2	2							68		30		1
0 -187655	N	N	0						85				15		1
0 -187656	N	N	0						80				20		1
0 -187657	N	N	0						70				30		1
0 -187696	N	Y	2	2									18	80 CAL	1
0 -187697	N	Y	2	2									18	80 CAL	1
0 -187698	N	Y	2	2									15	83 CAL	1
0 -187699	N	Y	2	2									18	80 CAL	1
0 -187700	N	Y	2	2									18	80 CAL	1

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 1
Building Name: PAN AM AIRLINES TERMINAL JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
01	ARA	New Addition-Apron Level-Ceiling					AREA AVERAGE % ASB - 0%							
		men's locker room	187656-0	acoustical tile	OMG	150	sq.ft.		0					
		cafeteria area	187656-0	acoustical tile	OMG	3950	sq.ft.		0					
		kitchen dry goods storage	187656-0	acoustical tile	OMG	300	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
02	ARA	New Addition-Apron Level					AREA AVERAGE % ASB - 0%							
		kitchen by conveyor shop	174693-22	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	DW	0					
		kitchen and cafeteria	174693-22	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	DW	0					
		kitchen storage	174693-22	mjp on non-suspect pipe cover	OMA	29	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		kitchen dry goods storage	187515-28	mjp on non-suspect pipe cover	OMA	6	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
							TENANT - ARA		TOTAL			$0	$0	$0

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HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 3
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
04	DUTY FREE	Madison Ave Shop-New Addition-Outbound					AREA AVERAGE % ASB - 9%							
		above the grid ceiling in store	187596-42	fireproofing	OMC	1200	sq.ft.		10	36	III	$43,332	$8,016	$51,348
			187597-42	fireproofing	OMC				15	36	III			
			187598-42	fireproofing	OMC				10	36	III			
			187599-42	fireproofing	OMC				10	36	III			
			187608-42	fireproofing	OMC				2	36	III			
			187609-42	fireproofing	OMC				4	36	III			
			187610-42	fireproofing	OMC				10	36	III			
			187611-42	fireproofing	OMC				10	36	III			
			187612-42	fireproofing	OMC				6	36	III			
			187613-42	fireproofing	OMC				10	36	III			
		The material in this area is fireproofing on structural members located above the open grid ceilings. The material is friable, but has been encapsulated and at this time has a lower potential for fiber release than other non encapsulated fireproofing located on this level.						AREA TOTAL				$43,332	$8,016	$51,348
							TENANT - DUTY FREE	TOTAL				$43,332	$8,016	$51,348

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HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 4
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
05	FOOD SERV	Old Building-Mezzanine Level-Ceilings					AREA AVERAGE % ASB -		0%					
		rest rooms behind snack bar	187655-0	drop or lay-in panel	OMG	1100	sq.ft.		0					
		snack bar kitchen	187655-0	drop or lay-in panel	OMG	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - FOOD SERV		TOTAL			$0	$0	$0

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HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053
Building Name: PAN AM AIRLINES TERMINAL JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
06	GORMET MKT	New Addit.-Outbound Level-Market Place					AREA AVERAGE % ASB -		9%					
		above the grid ceiling in store	187596-42	fireproofing	OMC	900	sq.ft.		10	63	I	$32,499	$6,012	$38,511
			187597-42	fireproofing	OMC				15	63	I			
			187598-42	fireproofing	OMC				10	63	I			
			187599-42	fireproofing	OMC				10	63	I			
			187608-42	fireproofing	OMC				2	63	I			
			187609-42	fireproofing	OMC				4	63	I			
			187610-42	fireproofing	OMC				10	63	I			
			187611-42	fireproofing	OMC				10	63	I			
			187612-42	fireproofing	OMC				6	63	I			
			187613-42	fireproofing	OMC				10	63	I			
			187613-42	fireproofing	OMC				10	63	I			
									AREA TOTAL			$32,499	$6,012	$38,511

The material in this area is fireproofing on structural members with overspray on the decking. The material is located above a grid ceiling. The material is friable and prone to fiber release and fallout.

TENANT - GORMET MKT	TOTAL	$32,499	$6,012	$38,511

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HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053 Page 6
Building Name: PAN AM AIRLINES TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
06A	MARRIOTT	New Addition-Outbound Level-Ceilings					AREA AVERAGE % ASB -		0%					
		kitchen area	187547-0	drop or lay-in panel	OMG	800	sq.ft.		0					
		transit lounge	187644-0	drop or lay-in panel	OMG	1200	sq.ft.		0					
		kitchen area	187656-0	acoustical tile	OMG	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - MARRIOTT		TOTAL			$0	$0	$0

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HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 14

Building Number: 053
Building Name: PAN AM AIRLINES TERMINAL JFK AIRPORT
Building Type: TERMINAL
Constructed: 1960
Inspected: 04/11/88
Inspector: D. L. Stephens

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
07	PAN AM	Orig. Bld-Basement-Mechanical Room #6					AREA AVERAGE % ASB - 58%							
	at ceiling-east part of room near panel		174671-0	pipe covering	OMA	5	ft. 10 in. O.D.	HWS/R	50	122	I	$127	$94	$221
	at ceiling-east part of room near panel		174672-16	mjp on pipe covering	OMA	2	10 in. O.D.	HWS/R	70	122	I	$168	$105	$273
			174673-16	mjp on pipe covering	OMA				60	122	I			
			174674-16	mjp on pipe covering	OMA				65	122	I			
	This area of insulation is damaged due to periodic contact being made by an access door on an electrical panel.							AREA TOTAL				$295	$199	$494
08	PAN AM	Orig. Bldg-Basement-Mechanical Room #6					AREA AVERAGE % ASB - 26%							
	throughout area		174671-0	pipe covering	OMA	75	ft. 10 in. O.D.	HWS/R	50	36	III	$1,903	$1,410	$3,313
	throughout area		174678-0	wrapped cardboard/paper pipe	OMA	135	ft. 6 in. O.D.	DW	0			$2,357	$1,474	$3,831
	throughout area		174678-0	wrapped cardboard/paper pipe	OMA	140	ft. 10 in. O.D.	DW	0			$3,553	$2,632	$6,185
	throughout area		174682-0	corrugated pipe covering	OMA	185	ft. 4 in. O.D.	DW	70	36	III	$2,220	$1,389	$3,609
	throughout area		174672-16	mjp on pipe covering	OMA	15	10 in. O.D.	HWS/R	70	36	III	$1,263	$790	$2,053
			174673-16	mjp on pipe covering	OMA				60	36	III			
			174674-16	mjp on pipe covering	OMA				65	36	III			
	throughout area		174675-17	mjp on non-suspect pipe cover	OMA	55	4 in. O.D.	HWS/R	35	36	III	$2,079	$1,155	$3,234
			174676-17	mjp on non-suspect pipe cover	OMA				30	36	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	36	III			
	throughout area		174679-18	mjp on wrapped cardboard/paper	OMA	75	12 in. O.D.	DW	0					
	throughout area		174679-18	mjp on wrapped cardboard/paper	OMA	35	8 in. O.D.	DW	0					
			174680-18	mjp on wrapped cardboard/paper	OMA				0					
			174681-18	mjp on wrapped cardboard/paper	OMA				0					
	throughout area		174683-19	mjp on corrugate pipe covering	OMA	80	4 in. O.D.	DW	0					
			174684-19	mjp on corrugate pipe covering	OMA				0					
			174685-19	mjp on corrugate pipe covering	OMA				0					
	Pipe insulation in this room is in fair condition with isolated areas of contact and water damage.							AREA TOTAL				$13,375	$8,850	$22,225
09	PAN AM	Old Building-Ground Level					AREA AVERAGE % ASB - 53%							
	electrical closet off baggage claim area		174652-0	corrugated pipe covering	OMA	3	ft. 4 in. O.D.	DW	75	32	III	$36	$23	$59
	old rest room off baggage service		174652-0	corrugated pipe covering	OMA	9	ft. 4 in. O.D.	DW	75	32	III	$108	$68	$176
	valve room next to west side garage		174656-0	pipe covering	OMA	7	ft. 12 in. O.D.	HWS/R	45	32	III	$207	$159	$366

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		conveyor room behind east baggage claim	187529-0	corrugated pipe covering	OMA	3	ft. 4 in. O.D.	HWS/R	40	32	III	$36	$23	$59
		valve room next to west side garage	174657-13	mjp on pipe covering	OMA	12	12 in. O.D.	HWS/R	55	32	III	$1,225	$765	$1,990
			174658-13	mjp on pipe covering	OMA				50	32	III			
			174659-13	mjp on pipe covering	OMA				55	32	III			
		east side garage	174675-17	mjp on non-suspect pipe cover	OMA	31	4 in. O.D.	HWS/R	35	32	III	$1,172	$651	$1,823
		electrical closet off baggage claim area	174675-17	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	HWS/R	35	32	III	$378	$210	$588
		hallway ceiling heater-west side	174675-17	mjp on non-suspect pipe cover	OMA	9	4 in. O.D.	HWS/R	35	32	III	$340	$189	$529
		hallway ceiling heater-north west corner	174675-17	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	HWS/R	35	32	III	$189	$105	$294
		conveyor room behind east baggage claim	174675-17	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	HWS/R	35	32	III	$302	$168	$470
		old rest room off baggage service	174675-17	mjp on non-suspect pipe cover	OMA	9	4 in. O.D.	HWS/R	35	32	III	$340	$189	$529
		baggage service storage areas	174675-17	mjp on non-suspect pipe cover	OMA	64	4 in. O.D.	HWS/R	35	32	III	$2,419	$1,344	$3,763
			174676-17	mjp on non-suspect pipe cover	OMA				30	32	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	32	III			
		The material is in fair condition with localized areas of contact damage. These areas are accessed infrequently.							AREA TOTAL			$6,752	$3,894	$10,646
10	PAN AM	Old Bldg-Ground Level-Locker Room Area						AREA AVERAGE % ASB - 31%						
		locker room past baggage service	174675-17	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	HWS/R	35	26	III	$1,512	$840	$2,352
		hallway outside LE janitorial closet	174675-17	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	HWS/R	35	26	III	$378	$210	$588
		hallway leading to west double doors	174675-17	mjp on non-suspect pipe cover	OMA	5	4 in. O.D.	HWS/R	35	26	III	$189	$105	$294
		E-W hallway off west double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	35	26	III	$151	$84	$235
		room by west side double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	17	4 in. O.D.	HWS/R	35	26	III	$643	$357	$1,000
		E-W hallway off west double exit doors	174675-17	mjp on non-suspect pipe cover	OMA	1	6 in. O.D.	HWS/R	35	26	III	$52	$31	$83
		locker room past baggage service	174675-17	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	HWS/R	35	26	III	$104	$61	$165
			174676-17	mjp on non-suspect pipe cover	OMA				30	26	III			
			174677-17	mjp on non-suspect pipe cover	OMA				0	26	III			
		The material is in fair condition. These areas are accessed regularly by airline personnel. There are isolated areas of contact damage.							AREA TOTAL			$3,029	$1,688	$4,717
11	PAN AM	Old Building-Ground Level						AREA AVERAGE % ASB - 29%						
		above drop & semipermanent ceilings	174652-0	corrugated pipe covering	OMA	920	ft. 4 in. O.D.	DW	75	16	IV	$11,040	$6,909	$17,949
		above drop & semipermanent ceilings	174653-12	mjp on corrugate pipe covering	OMA	138	4 in. O.D.	DW	6	16	IV	$5,216	$2,898	$8,114

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174654-12	mjp on corrugate pipe covering	OMA				6	16	IV			
			174655-12	mjp on corrugate pipe covering	OMA				6	16	IV			
		above drop & semipermanent ceilings	174675-17	mjp on non-suspect pipe cover	OMA	66	4 in. O.D.	HWS/R	35	16	IV	$2,495	$1,386	$3,881
			174676-17	mjp on non-suspect pipe cover	OMA				30	16	IV			
			174677-17	mjp on non-suspect pipe cover	OMA				0	16	IV			
		above drop & semipermanent ceilings	174643-9	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	CWS/R	0	16	IV	$416	$245	$661
			174644-9	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174645-9	mjp on non-suspect pipe cover	OMA				20	16	IV			
		The material types and quantities were estimated from available, although incomplete drawings. The accuracy of the drawings is uncertain.							AREA TOTAL			$19,167	$11,438	$30,605
12	PAN AM	Old Building-Ground Level					AREA AVERAGE % ASB - 2%							
		baggage service area & hallway	187696-0	vinyl floor tile	OMZ	3060	sq.ft.		2	7	IV	$13,892	$10,526	$24,418
		throughout all other hallways & offices	187697-0	vinyl floor tile	OMZ	6950	sq.ft.		2	7	IV	$31,553	$23,908	$55,461
		womens locker room	187697-0	vinyl floor tile	OMZ	750	sq.ft.		2	7	IV	$3,405	$2,580	$5,985
		The material is in fair condition with areas of deterioration. These areas are accessed frequently.							AREA TOTAL			$48,850	$37,014	$85,864
13	PAN AM	Orig. Bldg-Ground Level-Mechanical Room					AREA AVERAGE % ASB - 34%							
		throughout area	174652-0	corrugated pipe covering	OMA	185	ft. 6 in. O.D.	DW	75	51	II	$3,230	$2,020	$5,250
		throughout area	174652-0	corrugated pipe covering	OMA	290	ft. 4 in. O.D.	DW	75	51	II	$3,480	$2,178	$5,658
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	290	10 in. O.D.	HWS/R	25	51	II	$24,424	$15,266	$39,690
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	210	14 in. O.D.	HWS/R	25	51	II	$24,488	$15,739	$40,227
		throughout area	174646-10	mjp on non-suspect pipe cover	OMA	310	4 in. O.D.	HWS/R	25	51	II	$11,718	$6,510	$18,228
			174647-10	mjp on non-suspect pipe cover	OMA				10	51	II			
			174648-10	mjp on non-suspect pipe cover	OMA				25	51	II			
		throughout area	174649-11	mjp on non-suspect pipe cover	OMA	79	4 in. O.D.	DW	20	51	II	$2,986	$1,659	$4,645
			174650-11	mjp on non-suspect pipe cover	OMA				20	51	II			
			174651-11	mjp on non-suspect pipe cover	OMA				20	51	II			
		throughout area	174653-12	mjp on corrugate pipe covering	OMA	33	6 in. O.D.	DW	6	51	II	$1,717	$1,009	$2,726
		throughout area	174653-12	mjp on corrugate pipe covering	OMA	105	4 in. O.D.	DW	6	51	II	$3,969	$2,205	$6,174
			174654-12	mjp on corrugate pipe covering	OMA				6	51	II			
			174655-12	mjp on corrugate pipe covering	OMA				6	51	II			

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AREA #	TENANT LOCATION OF MATERI	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	throughout area		174643-9	mjp on non-suspect pipe cover	OMA	36	10 in. O.D.	CWS/R	0	51	II	$3,032	$1,895	$4,927
	throughout area		174643-9	mjp on non-suspect pipe cover	OMA	71	8 in. O.D.	CWS/R	0	51	II	$4,597	$2,703	$7,300
	throughout area		174643-9	mjp on non-suspect pipe cover	OMA	23	20 in. O.D.	CWS/R	0	51	II	$5,379	$3,985	$9,364
	throughout area		174643-9	mjp on non-suspect pipe cover	OMA	22	14 in. O.D.	CWS/R	0	51	II	$2,565	$1,649	$4,214
			174644-9	mjp on non-suspect pipe cover	OMA				20	51	II			
			174645-9	mjp on non-suspect pipe cover	OMA				20	51	II			
	Pipe insulation in this area is in fair to poor condition. Debris is common throughout the room and dust is present in most areas.								AREA TOTAL			$91,585	$56,818	$148,403
14	PAN AM	Orig Bldg-Ground Level-Mechanical Rm #1							AREA AVERAGE % ASB - 21%					
	throughout area		174656-0	pipe covering	OMA	10	ft. 8 in. O.D.	HWS/R	45	51	II	$190	$136	$326
	throughout area		174656-0	pipe covering	OMA	4	ft. 4 in. O.D.	HWS/R	45	51	II	$48	$30	$78
	northwest part of room		174663-0	corrugated pipe covering	OMA	30	ft. 4 in. O.D.	HWS/R	55	51	II	$360	$225	$585
	throughout room		174666-0	tar paper on fiberglass	OMZ	24	ft. 10 in. O.D.	CWS/R	0					
	throughout room		174666-0	tar paper on fiberglass	OMZ	200	ft. 12 in. O.D.	CWS/R	0					
	throughout room		174667-0	wrapped cardboard/paper pipe	OMA	198	ft. 4 in. O.D.	DW	7	51	II	$2,376	$1,487	$3,863
	throughout room		174667-0	wrapped cardboard/paper pipe	OMA	65	ft. 6 in. O.D.	DW	7	51	II	$1,135	$710	$1,845
	throughout room		174667-0	wrapped cardboard/paper pipe	OMA	30	ft. 8 in. O.D.	DW	7	51	II	$571	$408	$979
	throughout area		174657-13	mjp on pipe covering	OMA	4	8 in. O.D.	HWS/R	55	51	II	$259	$152	$411
	throughout area		174657-13	mjp on pipe covering	OMA	6	4 in. O.D.	HWS/R	55	51	II	$227	$126	$353
			174658-13	mjp on pipe covering	OMA				50	51	II			
			174659-13	mjp on pipe covering	OMA				55	51	II			
	northwest part of room		174660-14	mjp on corrugate pipe covering	OMA	7	4 in. O.D.	HWS/R	0					
			174661-14	mjp on corrugate pipe covering	OMA				0					
			174662-14	mjp on corrugate pipe covering	OMA				0					
	throughout room		174668-15	mjp on wrapped cardboard/paper	OMA	89	4 in. O.D.	DW	6	51	II	$3,364	$1,869	$5,233
	throughout room		174668-15	mjp on wrapped cardboard/paper	OMA	5	8 in. O.D.	DW	6	51	II	$324	$190	$514
	throughout room		174668-15	mjp on wrapped cardboard/paper	OMA	26	6 in. O.D.	DW	6	51	II	$1,353	$795	$2,148
			174669-15	mjp on wrapped cardboard/paper	OMA				6	51	II			
			174670-15	mjp on wrapped cardboard/paper	OMA				2	51	II			
									AREA TOTAL			$10,207	$6,128	$16,335

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
15	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1					AREA AVERAGE % ASB - 48%							
		west side of room	174619-1	boiler/tank insulation	OMB	27	sq.ft.		50	53	II	$1,291	$1,034	$2,325
			174620-1	boiler/tank insulation	OMB				45	53	II			
			174621-1	boiler/tank insulation	OMB				50	53	II			
		west side of room	174622-2	boiler/tank insulation	OMB	32	sq.ft.		60	53	II	$1,530	$1,226	$2,756
			174623-2	boiler/tank insulation	OMB				60	53	II			
			174624-2	boiler/tank insulation	OMB				60	53	II			
		southeast corner of room	174625-3	boiler/tank insulation	OMB	186	sq.ft.		50	53	II	$8,895	$7,124	$16,019
			174626-3	boiler/tank insulation	OMB				40	53	II			
			174627-3	boiler/tank insulation	OMB				45	53	II			
		southeast corner of room	174628-4	boiler/tank insulation	OMB	186	sq.ft.		0					
			174629-4	boiler/tank insulation	OMB				0					
			174630-4	boiler/tank insulation	OMB				0					
		near east wall of room	174631-5	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174632-5	boiler/tank insulation	OMB				60	53	II			
			174633-5	boiler/tank insulation	OMB				60	53	II			
		near east wall of room	174634-6	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174635-6	boiler/tank insulation	OMB				60	53	II			
			174636-6	boiler/tank insulation	OMB				60	53	II			
		near east wall of room	174637-7	boiler/tank insulation	OMB	70	sq.ft.		55	53	II	$3,347	$2,681	$6,028
			174638-7	boiler/tank insulation	OMB				60	53	II			
			174639-7	boiler/tank insulation	OMB				60	53	II			
		near east wall of room	174640-8	boiler/tank insulation	OMB	70	sq.ft.		60	53	II	$3,347	$2,681	$6,028
			174641-8	boiler/tank insulation	OMB				65	53	II			
			174642-8	boiler/tank insulation	OMB				55	53	II			
								AREA TOTAL				$25,104	$20,108	$45,212

The tank insulation in this room is in poor condition due to water and contact damage. There is also much damage to the pipe fittings. There are various areas throughout the room with traces of debris and dust and two major areas of debris: one below the #1 hot water converter tank and another on top of domestic storage tank #2.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
16	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1					AREA AVERAGE % ASB - 25%							
		throughout	174652-0	corrugated pipe covering	OMA	6	ft. 4 in. O.D.	DW	75	89	I	$72	$45	$117
		throughout	174643-10	mjp on non-suspect pipe cover	OMA	12	10 in. O.D.	HTW/R	0	89	I	$1,011	$632	$1,643
		throughout	174643-10	mjp on non-suspect pipe cover	OMA	8	14 in. O.D.	HTW/R	0	89	I	$933	$600	$1,533
			174647-10	mjp on non-suspect pipe cover	OMA				10	89	I			

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174648-10	mjp on non-suspect pipe cover	OMA				25	89	I			
		throughout	174649-11	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	DW	20	89	I	$151	$84	$235
			174650-11	mjp on non-suspect pipe cover	OMA				20	89	I			
			174651-11	mjp on non-suspect pipe cover	OMA				20	89	I			
		throughout	174653-12	mjp on corrugate pipe covering	OMA	3	4 in. O.D.	DW	6	89	I	$113	$63	$176
			174654-12	mjp on corrugate pipe covering	OMA				6	89	I			
			174655-12	mjp on corrugate pipe covering	OMA				6	89	I			
		throughout	174643-9	mjp on non-suspect pipe cover	OMA	4	14 in. O.D.	CWS/R	0	89	I	$466	$300	$766
			174644-9	mjp on non-suspect pipe cover	OMA				20	89	I			
			174645-9	mjp on non-suspect pipe cover	OMA				20	89	I			
		Mudded joint packings are in very poor condition, due to water and contact damage. Debris is common in these areas, with the possibility of dust being created upon disturbance of material.							AREA TOTAL			$2,746	$1,724	$4,470
17	PAN AM	Orig. Bld-Ground Level-Mechanical Rm #1							AREA AVERAGE % ASB - 40%					
		under HTHW converter tank #1	174664-0	debris	OMF	3	sq.ft.		60	92	I	$100	$0	$100
		on top of DOM storage tank #2	174665-0	debris	OMF	2	sq.ft.		20	92	I	$100	$0	$100
		The debris is scattered in piles throughout the room and is the result of deteriorated mechanical insulation. This room is very dirty and is accessed regularly. There is an air plenum in this room occasionally.							AREA TOTAL			$200	$0	$200
18	PAN AM	Ol. Building-Ground Level-Ceilings							AREA AVERAGE % ASB - 0%					
		janitors closets-E side of baggage area	187547-0	drop or lay-in panel	OMG	80	sq.ft.		0					
		baggage service offices	187547-0	drop or lay-in panel	OMG	475	sq.ft.		0					
		room 116	187547-0	drop or lay-in panel	OMG	175	sq.ft.		0					
		hallway to baggage tracing office	187547-0	drop or lay-in panel	OMG	675	sq.ft.		0					
		hallway behind baggage claim	187565-0	drop or lay-in panel	OMG	1080	sq.ft.		0					
		baggage claim areas	187565-0	drop or lay-in panel	OMG	30800	sq.ft.		0					
		office by west outside exit	187565-0	drop or lay-in panel	OMG	528	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
19	PAN AM	Old Building-Departure Level					AREA AVERAGE % ASB - 2%							
		behind news stand-above metal ceiling	187652-45	fireproofing	OMC	2800	sq.ft.		2	23	III	$101,108	$18,704	$119,812
			187653-45	fireproofing	OMC				3	23	III			
			187654-45	fireproofing	OMC				2	23	III			
		The fireproofing is sprayed-on steel I-beams and decking with overspray on adjacent concrete ceilings. It is located over a metal grid drop ceiling and is exposed to heavy traffic in the hallway below. The material is encapsulated with paint, but shows some contact damage.							AREA TOTAL			$101,108	$18,704	$119,812
20	PAN AM	Old Building-Mezzanine Level					AREA AVERAGE % ASB - 41%							
		above drop & semipermanent ceiling	174652-0	corrugated pipe covering	OMA	792	ft. 4 in. O.D.	DW	75	16	IV	$9,504	$5,948	$15,452
		above drop & semipermanent ceiling	174653-12	mjp on corrugate pipe covering	OMA	114	4 in. O.D.	DW	6	16	IV	$4,309	$2,394	$6,703
			174654-12	mjp on corrugate pipe covering	OMA				6	16	IV			
			174655-12	mjp on corrugate pipe covering	OMA				6	16	IV			
		The material types and quantities were estimated from available, although incomplete drawings. The accuracy of these drawings is uncertain.							AREA TOTAL			$13,813	$8,342	$22,155
21	PAN AM	Old Building-Roof-Penthouse					AREA AVERAGE % ASB - 25%							
		throughout-north penthouse	187558-0	corrugated pipe covering	OMA	80	ft. 4 in. O.D.	DW	15	50	II	$960	$601	$1,561
		throughout-north penthouse	187555-37	mjp on non-suspect pipe cover	OMA	365	4 in. O.D.	HWS/R	25	50	II	$13,797	$7,665	$21,462
		throughout-north penthouse	187555-37	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	HWS/R	25	50	II	$416	$245	$661
			187556-37	mjp on non-suspect pipe cover	OMA				60	50	II			
			187557-37	mjp on non-suspect pipe cover	OMA				25	50	II			
		The material is in fair to poor condition, with isolated areas of contact damage. There is a strong air plenum in this area and vibrations. The material is susceptible to further contact damage. The area is an air handler room which is accessed infrequently.							AREA TOTAL			$15,173	$8,511	$23,684
22	PAN AM	Old Building-Roof					AREA AVERAGE % ASB - 14%							
		middle of roof leading to penthouse	187559-38	mjp on non-suspect pipe cover	OMA	64	4 in. O.D.	HWS/R	15	24	III	$2,419	$1,344	$3,763

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		middle of roof leading to penthouse	187559-38	mjp on non-suspect pipe cover	OMA	39	8 in. O.D.	HWS/R	15	24	III	$2,525	$1,485	$4,010
			187560-38	mjp on non-suspect pipe cover	OMA				15	24	III			
			187561-38	mjp on non-suspect pipe cover	OMA				10	24	III			
		The material consists of mudded joints on metal clad non-suspect lines, coated in tar. The material shows some weather deterioration in places, but appears to be well covered in tar for the most part. This area is accessed infrequently.							AREA TOTAL			$4,944	$2,829	$7,773
23	PAN AM	Old Building-Exterior Piping							AREA AVERAGE % ASB - %					
		top of column roof supports-exterior	99999-0	mjp on non-suspect pipe cover	OMA	5	8 in. O.D.	DR				$324	$190	$514
		The material is located on top of columns around the perimeter of the building. The material is over 30' high and was inaccessible for sampling. The material appears to be in fair condition with some weather deterioration.							AREA TOTAL			$324	$190	$514
24	PAN AM	New Addition-Lower Level							AREA AVERAGE % ASB - 12%					
		over baggage claim #4	187596-42	fireproofing	OMC	11200	sq.ft.		10	46	II	$404,432	$74,816	$479,248
			187597-42	fireproofing	OMC				15	46	II			
			187598-42	fireproofing	OMC				10	46	II			
			187599-42	fireproofing	OMC				10	46	II			
			187608-42	fireproofing	OMC				2	46	II			
			187609-42	fireproofing	OMC				4	46	II			
			187610-42	fireproofing	OMC				10	46	II			
			187611-42	fireproofing	OMC				10	46	II			
			187612-42	fireproofing	OMC				6	46	II			
			187613-42	fireproofing	OMC				10	46	II			
		over baggage claim #3	187614-43	fireproofing	OMC	16400	sq.ft.		15	46	II	$592,204	$109,552	$701,756
			187615-43	fireproofing	OMC				15	46	II			
			187616-43	fireproofing	OMC				15	46	II			
			187617-43	fireproofing	OMC				12	46	II			
			187618-43	fireproofing	OMC				18	46	II			
			187619-43	fireproofing	OMC				18	46	II			
			187620-43	fireproofing	OMC				12	46	II			
			187621-43	fireproofing	OMC				15	46	II			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187622-43	fireproofing	OMC				8	46	II			
			187623-43	fireproofing	OMC				15	46	II			
		The material is exposed on the ceilings above a decorative drop ceiling. It is encapsulated with paint, but has areas of damage. There are severe mechanical vibrations from baggage conveyor coming down through the ceiling and the possibility of contact damage from tall baggage exists. The material quantities were estimated from available drawings.							AREA TOTAL			$996,636	$184,368	1,181,004
25	PAN AM	New Addition-Lower Level-MER #1					AREA AVERAGE % ASB - 9%							
		throughout ceiling	187507-26	fireproofing	OMC	4200 sq.ft.			15	69	I	$151,662	$28,056	$179,718
			187508-26	fireproofing	OMC				10	69	I			
			187509-26	fireproofing	OMC				5	69	I			
			187510-26	fireproofing	OMC				5	69	I			
			187511-26	fireproofing	OMC				10	69	I			
		The material is damaged in places and is susceptible to contact damage in an area by a metal ladder, which leads up to MER #1. There is a light air plenum and severe vibrations in this area.							AREA TOTAL			$151,662	$28,056	$179,718
26	PAN AM	New Addition-Lower Level-MER #1-Tanks					AREA AVERAGE % ASB - 24%							
		convertor tank-southeast part of room	187501-24	boiler/tank insulation	OMB	126 sq.ft.			0					
			187502-24	boiler/tank insulation	OMB				0					
			187503-24	boiler/tank insulation	OMB				0					
		HTHW storage tank-southeast part of room	187504-25	boiler/tank insulation	OMB	90 sq.ft.			60	33	III	$4,304	$3,447	$7,751
			187505-25	boiler/tank insulation	OMB				40	33	III			
			187506-25	boiler/tank insulation	OMB				40	33	III			
		The material is in fair to good condition with a few isolated areas of damage.							AREA TOTAL			$4,304	$3,447	$7,751
27	PAN AM	New Addition-Lower Level-MER #1					AREA AVERAGE % ASB - 34%							
		throughout area	174686-0	pipe covering	OMA	90 ft. 4 in. O.D.		HTW/R	55	25	III	$1,080	$676	$1,756
		throughout area	174686-0	pipe covering	OMA	255 ft. 10 in. O.D.		HTW/R	55	25	III	$6,472	$4,794	$11,266
		throughout area	174686-0	pipe covering	OMA	78 ft. 6 in. O.D.		HTW/R	55	25	III	$1,362	$852	$2,214

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		throughout area	174686-0	pipe covering	OMA	180	ft. 16 in. O.D.	HTW/R	55	25	III	$7,859	$6,548	$14,407
		throughout area	174686-0	pipe covering	OMA	110	ft. 14 in. O.D.	HTW/R	55	25	III	$3,723	$2,945	$6,668
		northwest corner of room	187529-0	corrugated pipe covering	OMA	6	ft. 12 in. O.D.	HWS/R	40	25	III	$178	$137	$315
		throughout room	174687-20	mjp on pipe covering	OMA	24	6 in. O.D.	HTW/R	60	25	III	$1,249	$734	$1,983
		throughout room	174687-20	mjp on pipe covering	OMA	40	14 in. O.D.	HTW/R	60	25	III	$4,664	$2,998	$7,662
		throughout room	174687-20	mjp on pipe covering	OMA	14	4 in. O.D.	HTW/R	60	25	III	$529	$294	$823
		throughout room	174687-20	mjp on pipe covering	OMA	240	10 in. O.D.	HTW/R	60	25	III	$20,213	$12,634	$32,847
		throughout room	174687-20	mjp on pipe covering	OMA	31	16 in. O.D.	HTW/R	60	25	III	$4,263	$3,158	$7,421
			174688-20	mjp on pipe covering	OMA				60	25	III			
			174689-20	mjp on pipe covering	OMA				30	25	III			
		along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	54	4 in. O.D.	HTW/R	0					
		along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	30	12 in. O.D.	HTW/R	0					
		along east wall-north part of room	174690-21	mjp on non-suspect pipe cover	OMA	74	6 in. O.D.	HTW/R	0					
			174691-21	mjp on non-suspect pipe cover	OMA				0					
			174692-21	mjp on non-suspect pipe cover	OMA				0					
		throughout room	174693-22	mjp on non-suspect pipe cover	OMA	35	6 in. O.D.	DW	0					
		throughout room	174693-22	mjp on non-suspect pipe cover	OMA	3	10 in. O.D.	DW	0					
		throughout room	174693-22	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	DW	0					
		throughout room	174693-22	mjp on non-suspect pipe cover	OMA	6	8 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		along east wall-throughout	174696-23	mjp on non-suspect pipe cover	OMA	12	6 in. O.D.	DEICE	0					
		along east wall-throughout	174696-23	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	DEICE	0					
			174697-23	mjp on non-suspect pipe cover	OMA				0					
			174698-23	mjp on non-suspect pipe cover	OMA				0					
		throughout	187526-30	mjp on non-suspect pipe cover	OMA	20	12 in. O.D.	CW	0					
		throughout	187526-30	mjp on non-suspect pipe cover	OMA	14	24 in. O.D.	CW	0					
		throughout	187526-30	mjp on non-suspect pipe cover	OMA	25	6 in. O.D.	CW	0					
		throughout	187526-30	mjp on non-suspect pipe cover	OMA	6	14 in. O.D.	CW	0					
			187527-30	mjp on non-suspect pipe cover	OMA				0					
			187528-30	mjp on non-suspect pipe cover	OMA				0					

The material is in fair condition with isolated areas of contact and water damage. A strong air plenum exists through this room which opens into the customs baggage claim area.

AREA TOTAL $51,592 $35,770 $87,362

28 PAN AM New Add.-Lower Level-Dom. Baggage Claim AREA AVERAGE % ASB - 14%

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		over semipermanent ceilings	187614-43	fireproofing	OMC	13800	sq.ft.		15	53	II	$498,318	$92,184	$590,502
			187615-43	fireproofing	OMC				15	53	II			
			187616-43	fireproofing	OMC				15	53	II			
			187617-43	fireproofing	OMC				12	53	II			
			187618-43	fireproofing	OMC				18	53	II			
			187619-43	fireproofing	OMC				18	53	II			
			187620-43	fireproofing	OMC				12	53	II			
			187621-43	fireproofing	OMC				15	53	II			
			187622-43	fireproofing	OMC				8	53	II			
			187623-43	fireproofing	OMC				15	53	II			
		The material quantities were estimated from available drawings, the accuracy of which is uncertain. The material is not encapsulated and is above metal panel ceilings in an area which is heavily accessed and has much mechanical vibration from the baggage conveyors.							AREA TOTAL			$498,318	$92,184	$590,502
29	PAN AM	New Addition-Lower Level							AREA AVERAGE % ASB - 42%					
		chases around primeter drive	174686-0	pipe covering	OMA	1270	ft. 14 in. O.D.	HTW/R	55	14	IV	$42,989	$33,998	$76,987
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	38	8 in. O.D.	DW	20	14	IV	$2,461	$1,447	$3,908
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	72	6 in. O.D.	DW	20	14	IV	$3,747	$2,201	$5,948
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	606	4 in. O.D.	DW	20	14	IV	$22,907	$12,726	$35,633
		over ceilings & through baggage claim	174649-11	mjp on non-suspect pipe cover	OMA	14	10 in. O.D.	DW	20	14	IV	$1,179	$737	$1,916
			174650-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
		chases around perimeter drive	174687-20	mjp on pipe covering	OMA	33	14 in. O.D.	HTW/R	60	14	IV	$3,848	$2,473	$6,321
			174688-20	mjp on pipe covering	OMA				60	14	IV			
			174689-20	mjp on pipe covering	OMA				30	14	IV			
		The material types and quantities were estimated from available drawings, the accuracy of these drawings is uncertain. The material is located above permanent and semipermanent ceilings and bathroom pipe chases.							AREA TOTAL			$77,131	$53,582	$130,713
30	PAN AM	New Addition-Lower Level-Ceiling							AREA AVERAGE % ASB - 0%					
		freight elevator service room	187566-0	drop or lay-in panel	OMG	350	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
31	PAN AM	New Addition-Lower Level					AREA AVERAGE % ASB - 14%							
		room 1338-janitors closet	187592-41	fireproofing	OMC	92	sq.ft.		15	55	II	$3,322	$615	$3,937
		room 1306	187592-41	fireproofing	OMC	44	sq.ft.		15	55	II	$1,589	$294	$1,883
		room 1310-electrical closet	187592-41	fireproofing	OMC	85	sq.ft.		15	55	II	$3,069	$568	$3,637
		room 1341-janitor's closet	187592-41	fireproofing	OMC	42	sq.ft.		15	55	II	$1,517	$281	$1,798
		room 1311	187592-41	fireproofing	OMC	120	sq.ft.		15	55	II	$4,333	$802	$5,135
		L-28-electrical closets	187592-41	fireproofing	OMC	50	sq.ft.		15	55	II	$1,806	$334	$2,140
		L-8-electrical closets	187592-41	fireproofing	OMC	50	sq.ft.		15	55	II	$1,806	$334	$2,140
		room 1309-electrical closets	187592-41	fireproofing	OMC	180	sq.ft.		15	55	II	$6,500	$1,202	$7,702
		room 1305-electrical closets	187592-41	fireproofing	OMC	33	sq.ft.		15	55	II	$1,192	$220	$1,412
		freight elevator room-shaft ceiling	187592-41	fireproofing	OMC	48	sq.ft.		15	55	II	$1,733	$321	$2,054
		room 1331 with missing ceiling panels	187592-41	fireproofing	OMC	25	sq.ft.		15	55	II	$903	$167	$1,070
		elevator maintenance room by elevator 12	187592-41	fireproofing	OMC	60	sq.ft.		15	55	II	$2,167	$401	$2,568
		room 1815	187592-41	fireproofing	OMC	180	sq.ft.		15	55	II	$6,500	$1,202	$7,702
		room 1316	187592-41	fireproofing	OMC	20	sq.ft.		15	55	II	$722	$134	$856
			187593-41	fireproofing	OMC				10	55	II			
			187594-41	fireproofing	OMC				10	55	II			
			187595-41	fireproofing	OMC				10	55	II			
		The material is in fair condition, but is not encapsulated. There is severe overspray on many of the walls and ceilings. These rooms are subject to mechanical vibrations and are accessed regularly by airport personnel.							AREA TOTAL			$37,159	$6,875	$44,034
32	PAN AM	New Addition-Lower Level					AREA AVERAGE % ASB - 23%							
		room 1826	187548-0	pipe covering	OMA	35	ft. 12 in. O.D.	DW	40	20	III	$1,037	$797	$1,834
		valve room L-2	174693-22	mjp on non-suspect pipe cover	OMA	6	12 in. O.D.	DW	0					
		valve room L-4	174693-22	mjp on non-suspect pipe cover	OMA	9	12 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		room 1826	187549-35	mjp on pipe covering	OMA	6	16 in. O.D.	DW	45	20	III	$825	$611	$1,436
		room 1826	187549-35	mjp on pipe covering	OMA	9	12 in. O.D.	DW	45	20	III	$919	$574	$1,493
			187550-35	mjp on pipe covering	OMA				60	20	III			

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187551-35	mjp on pipe covering	OMA				45	20	III			
		hallway outside room 1406	187552-36	mjp on non-suspect pipe cover	OMA	9	12 in. O.D.	DW	0	20	III	$919	$574	$1,493
			187553-36	mjp on non-suspect pipe cover	OMA				5	20	III			
			187554-36	mjp on non-suspect pipe cover	OMA				0	20	III			
		The material is in fair to good condition and located in rooms on the outside perimeter of the lower level driveway. These rooms are accessed infrequently.							AREA TOTAL			$3,700	$2,556	$6,256
33	PAN AM	New Addition-Lower Level							AREA AVERAGE % ASB - 2%					
		lower link building-throughout	187700-0	vinyl floor tile	OMZ	9650	sq.ft.		2	6	IV	$43,811	$33,196	$77,007
		customs area-inspection counters	187700-0	vinyl floor tile	OMZ	2200	sq.ft.		2	6	IV	$9,988	$7,568	$17,556
		The material is in fair condition with some deterioration in places. These areas are accessed frequently.							AREA TOTAL			$53,799	$40,764	$94,563
34	PAN AM	New Addition-Apron Level							AREA AVERAGE % ASB - 3%					
		room 2801-electrical room	187568-40	fireproofing	OMC	235	sq.ft.		0	55	II	$8,486	$1,570	$10,056
		cabin service area	187568-40	fireproofing	OMC	16800	sq.ft.		0	55	II	$606,648	$112,224	$718,872
		room 2705-supply area	187568-40	fireproofing	OMC	600	sq.ft.		0	55	II	$21,666	$4,008	$25,674
		elevator motor room	187568-40	fireproofing	OMC	96	sq.ft.		0	55	II	$3,467	$641	$4,108
		room 2759 by line maintenance shop	187568-40	fireproofing	OMC	288	sq.ft.		0	55	II	$10,400	$1,924	$12,324
		building services-unit manager's office	187568-40	fireproofing	OMC	548	sq.ft.		0	55	II	$19,788	$3,661	$23,449
		line maintenance equipmnt shop	187568-40	fireproofing	OMC	900	sq.ft.		0	55	II	$32,499	$6,012	$38,511
		valve room A-13	187568-40	fireproofing	OMC	40	sq.ft.		0	55	II	$1,444	$267	$1,711
			187569-40	fireproofing	OMC				15	55	II			
			187570-40	fireproofing	OMC				0	55	II			
			187571-40	fireproofing	OMC				0	55	II			
			187572-40	fireproofing	OMC				10	55	II			
			187573-40	fireproofing	OMC				15	55	II			
			187574-40	fireproofing	OMC				0	55	II			
			187575-40	fireproofing	OMC				0	55	II			
			187576-40	fireproofing	OMC				0	55	II			
			187577-40	fireproofing	OMC				0	55	II			
			187578-40	fireproofing	OMC				0	55	II			
			187579-40	fireproofing	OMC				15.	55	II			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187580-40	fireproofing	OMC				10	55	II			
			187581-40	fireproofing	OMC				0	55	II			
			187582-40	fireproofing	OMC				0	55	II			
			187583-40	fireproofing	OMC				0	55	II			
			187584-40	fireproofing	OMC				10	55	II			
			187585-40	fireproofing	OMC				15	55	II			
			187586-40	fireproofing	OMC				0	55	II			
			187587-40	fireproofing	OMC				0	55	II			
			187588-40	fireproofing	OMC				0	55	II			
			187589-40	fireproofing	OMC				0	55	II			
			187590-40	fireproofing	OMC				0	55	II			
		The material is in fair condition, but is not encapsulated. These areas are accessed regularly. The material shows isolated areas of delamination and contact damage, and active fallout can sometimes be observed.							AREA TOTAL			$704,398	$130,307	$834,705
35	PAN AM	New Addit.-Apron Level-Line Maintenance							AREA AVERAGE % ASB - 4%					
	locker room		187568-40	fireproofing	OMC	130 sq.ft.			0	58	II	$4,694	$868	$5,562
			187569-40	fireproofing	OMC				15	58	II			
			187570-40	fireproofing	OMC				0	58	II			
			187571-40	fireproofing	OMC				0	58	II			
			187572-40	fireproofing	OMC				10	58	II			
			187573-40	fireproofing	OMC				15	58	II			
			187574-40	fireproofing	OMC				0	58	II			
			187575-40	fireproofing	OMC				0	58	II			
			187576-40	fireproofing	OMC				0	58	II			
			187577-40	fireproofing	OMC				0	58	II			
			187578-40	fireproofing	OMC				0	58	II			
			187579-40	fireproofing	OMC				15	58	II			
			187580-40	fireproofing	OMC				10	58	II			
			187581-40	fireproofing	OMC				0	58	II			
			187582-40	fireproofing	OMC				0	58	II			
			187583-40	fireproofing	OMC				0	58	II			
			187584-40	fireproofing	OMC				10	58	II			
			187585-40	fireproofing	OMC				15	58	II			
			187586-40	fireproofing	OMC				0	58	II			
			187587-40	fireproofing	OMC				0	58	II			

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187588-40	fireproofing	OMC				0	58	II			
			187589-40	fireproofing	OMC				0	58	II			
			187590-40	fireproofing	OMC				0	58	II			
		This area is accessed frequently by maintenance personnel. The material is in fair condition but is not encapsulated and shows some damage in isolated areas. This room is subjected to outside mechanical vibrations.							AREA TOTAL			$4,694	$868	$5,562
36	PAN AM	New Addition-Apron Level-Ceilings							AREA AVERAGE % ASB - 0%					
		line maintenance-general office	187591-0	drop or lay-in panel	OMG	120	sq.ft.		0					
		conveyor shop	187591-0	drop or lay-in panel	OMG	800	sq.ft.		0					
		gate 8 lounge	187644-0	drop or lay-in panel	OMG	2450	sq.ft.		0					
		line maintenance-general office	187656-0	acoustical tile	OMG	1200	sq.ft.		0					
		fleet service boardmans office	187656-0	acoustical tile	OMG	450	sq.ft.		0					
		ramp service supervisor's office	187656-0	acoustical tile	OMG	750	sq.ft.		0					
		ramp service general office	187656-0	acoustical tile	OMG	1150	sq.ft.		0					
		room 2754	187656-0	acoustical tile	OMG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
37	PAN AM	New Addition-Apron Level							AREA AVERAGE % ASB - 0%					
		room 2801	187512-27	mjp on non-suspect pipe cover	OMA	14	12 in. O.D.	CW	0					
			187513-27	mjp on non-suspect pipe cover	OMA				0					
			187514-27	mjp on non-suspect pipe cover	OMA				0					
		auto shop	187515-28	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	HWS/R	0					
		compactor room	187515-28	mjp on non-suspect pipe cover	OMA	10	8 in. O.D.	HWS/R	0					
		stairwell 2720-2721	187515-28	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	0					
		room 2727	187515-28	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	0					
		machine room #2	187515-28	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	0					
		room 2754	187515-28	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	HWS/R	0					
		room 2705-supply area	187515-28	mjp on non-suspect pipe cover	OMA	48	4 in. O.D.	HWS/R	0					
		room 2724-cabin service area	187515-28	mjp on non-suspect pipe cover	OMA	67	4 in. O.D.	HWS/R	0					
		room 2724-cabin service area	187515-28	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	HWS/R	0					
		room 2816-valve room A-13	187515-28	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	HWS/R	0					
		building services unit managers office	187515-28	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	HWS/R	0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		building services unit managers office	187515-28	mjp on non-suspect pipe cover	OMA	2	6 in. O.D.	HWS/R	0					
		line maint general office-below drop	187515-28	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	HWS/R	0					
		room 2439	187515-28	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	0					
		room 2473-compressor room	187515-28	mjp on non-suspect pipe cover	OMA	8	4 in. O.D.	HWS/R	0					
		compactor room	187515-28	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL				$0	$0	$0
38	PAN AM	New Addit.-Apron Level-Baggage Handling					AREA AVERAGE % ASB - 0%							
		west side-south end by ceiling heater	174693-22	mjp on non-suspect pipe cover	OMA	7	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		east side by north side garage door	187512-27	mjp on non-suspect pipe cover	OMA	2	12 in. O.D.	CW	0					
			187513-27	mjp on non-suspect pipe cover	OMA				0					
			187514-27	mjp on non-suspect pipe cover	OMA				0					
		east side by north side garage door	187515-28	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	HWS/R	0					
		west side-south end	187515-28	mjp on non-suspect pipe cover	OMA	6	4 in. O.D.	HWS/R	0					
		west side-south end	187515-28	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	HWS/R	0					
		west side-throughout	187515-28	mjp on non-suspect pipe cover	OMA	86	4 in. O.D.	HWS/R	0					
		east side by north side garage door	187515-28	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	HWS/R	0					
		west side by middle garage door	187515-28	mjp on non-suspect pipe cover	OMA	78	4 in. O.D.	HWS/R	0					
		west side by middle garage door	187515-28	mjp on non-suspect pipe cover	OMA	15	6 in. O.D.	HWS/R	0					
		east side by middle garage door	187515-28	mjp on non-suspect pipe cover	OMA	7	6 in. O.D.	HWS/R	0					
		west side-throughout	187515-28	mjp on non-suspect pipe cover	OMA	46	6 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OMA	38	4 in. O.D.	HWS/R	0					
		east side by middle garage door	187515-28	mjp on non-suspect pipe cover	OMA	66	4 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	HWS/R	0					
		E side between center & NE garage door	187515-28	mjp on non-suspect pipe cover	OMA	55	4 in. O.D.	HWS/R	0					
		east side by northeast garage door	187515-28	mjp on non-suspect pipe cover	OMA	11	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
39	PAN AM	New Addition-Apron Level-HER #2					AREA AVERAGE % ASB - 0%							
		around primeter walls	174693-22	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	DW	0					
			174694-22	mjp on non-suspect pipe cover	OMA				0					
			174695-22	mjp on non-suspect pipe cover	OMA				0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	75	8 in. O.D.	CWS/R	0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	34	6 in. O.D.	CWS/R	0					
		throughout	187512-27	mjp on non-suspect pipe cover	OMA	16	12 in. O.D.	CWS/R	0					
			187513-27	mjp on non-suspect pipe cover	OMA				0					
			187514-27	mjp on non-suspect pipe cover	OMA				0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	384	4 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	7	12 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	36	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
40	PAN AM	New Addition-Apron Level-HER #2					AREA AVERAGE % ASB - 20%							
		on ceiling & steel beams-throughout	187518-29	fireproofing	OMC	15600	sq.ft.		20	54	II	$563,316	$104,208	$667,524
			187519-29	fireproofing	OMC				15	54	II			
			187520-29	fireproofing	OMC				10	54	II			
			187521-29	fireproofing	OMC				20	54	II			
			187522-29	fireproofing	OMC				20	54	II			
			187523-29	fireproofing	OMC				20	54	II			
			187524-29	fireproofing	OMC				30	54	II			
			187525-29	fireproofing	OMC				25	54	II			
		The material is in fair condition on the ceiling I-beams with overspray on the concrete ceiling. There is severe noise and vibrations in this room and the material shows damage and delamination in isolated areas.							AREA TOTAL			$563,316	$104,208	$667,524

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
41	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB - 7%							
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OMA	72	6 in. O.D.	DW	20	16	IV	$3,747	$2,201	$5,948
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OMA	20	8 in. O.D.	DW	20	16	IV	$1,295	$761	$2,056
		above permanent & semipermanent ceiling	174649-11	mjp on non-suspect pipe cover	OMA	450	4 in. O.D.	DW	20	16	IV	$17,010	$9,450	$26,460
			174650-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
		above permanent & semipermanent ceiling	187512-27	mjp on non-suspect pipe cover	OMA	18	6 in. O.D.	HWS/R	0					
			187513-27	mjp on non-suspect pipe cover	OMA				0					
			187514-27	mjp on non-suspect pipe cover	OMA				0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OMA	225	4 in. O.D.	HWS/R	0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OMA	56	8 in. O.D.	HWS/R	0					
		above permanent & semipermanent ceiling	187515-28	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
		The material types and quantities were estimated from available although incomplete drawings. The accuracy of these drawings is uncertain. The material is located above permanent or semipermanent ceilings and pipe chases.						AREA TOTAL				$22,052	$12,412	$34,464
42	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB - 4%							
		upper link-above drop & semiperm ceiling	187568-40	fireproofing	OMC	32145	sq.ft.		0	36	III	1,160,756	$214,729	1,375,485
		all areas south of upper link-above drop	187568-40	fireproofing	OMC	126003	sq.ft.		0	36	III	4,549,968	$841,700	5,391,668
			187569-40	fireproofing	OMC				15	36	III			
			187570-40	fireproofing	OMC				0	36	III			
			187571-40	fireproofing	OMC				0	36	III			
			187572-40	fireproofing	OMC				10	36	III			
			187573-40	fireproofing	OMC				15	36	III			
			187574-40	fireproofing	OMC				0	36	III			
			187575-40	fireproofing	OMC				0	36	III			
			187576-40	fireproofing	OMC				0	36	III			
			187577-40	fireproofing	OMC				0	36	III			
			187578-40	fireproofing	OMC				0	36	III			
			187579-40	fireproofing	OMC				15	36	III			
			187580-40	fireproofing	OMC				10	36	III			
			187581-40	fireproofing	OMC				0	36	III			
			187582-40	fireproofing	OMC				0	36	III			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187583-40	fireproofing	OMC				0	36	III			
			187584-40	fireproofing	OMC				10	36	III			
			187585-40	fireproofing	OMC				15	36	III			
			187586-40	fireproofing	OMC				0	36	III			
			187587-40	fireproofing	OMC				0	36	III			
			187588-40	fireproofing	OMC				0	36	III			
			187589-40	fireproofing	OMC				0	36	III			
			187590-40	fireproofing	OMC				0.	36	III			
		The material is located above the drop and semipermanent ceilings. The material quantities were estimated from available drawings. The actual material quantities may vary. There are numerous missing ceiling tiles and panels, especially on the overhangs surrounding the apron level.							AREA TOTAL			5,710,724	1,056,429	6,767,153
43	PAN AM	New Addition-Apron Level-Baggage Area							AREA AVERAGE % ASB - 4%					
		on ceilings-throughout	187568-40	fireproofing	OMC	224807 sq.ft.			0	65	I	8,117,781	1,501,711	9,619,492
			187569-40	fireproofing	OMC				15	65	I			
			187570-40	fireproofing	OMC				0	65	I			
			187571-40	fireproofing	OMC				0	65	I			
			187572-40	fireproofing	OMC				10	65	I			
			187573-40	fireproofing	OMC				15	65	I			
			187574-40	fireproofing	OMC				0	65	I			
			187575-40	fireproofing	OMC				0	65	I			
			187576-40	fireproofing	OMC				0	65	I			
			187577-40	fireproofing	OMC				0	65	I			
			187578-40	fireproofing	OMC				0	65	I			
			187579-40	fireproofing	OMC				15	65	I			
			187580-40	fireproofing	OMC				10	65	I			
			187581-40	fireproofing	OMC				0	65	I			
			187582-40	fireproofing	OMC				0	65	I			
			187583-40	fireproofing	OMC				0	65	I			
			187584-40	fireproofing	OMC				10	65	I			
			187585-40	fireproofing	OMC				15	65	I			
			187586-40	fireproofing	OMC				0	65	I			
			187587-40	fireproofing	OMC				0	65	I			
			187588-40	fireproofing	OMC				0	65	I			
			187589-40	fireproofing	OMC				0	65	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187590-40	fireproofing	OMC				0	65	I			
		The material is in fair condition with isolated areas of damage. This area is open to the outside and is subject to severe mechanical and noise vibrations from machinary and baggage handling conveyors. There is a strong air plenum through this area occasionally and the area is accessed frequently.							AREA TOTAL			8,117,781	1,501,711	9,619,492
44	PAN AM	New Addition-Apron Level					AREA AVERAGE % ASB -		2%					
		cafeteria & hallways area	187698-0	vinyl floor tile	OMZ	98560	sq.ft.		2	7	IV	$447,462	$339,046	$786,508
		upper link building-throughout	187699-0	vinyl floor tile	OMZ	8890	sq.ft.		2	7	IV	$40,361	$30,582	$70,943
		The material has isolated areas of deterioration. These areas are accessed frequently.							AREA TOTAL			$487,823	$369,628	$857,451
45	PAN AM	New Addition-Outbound Level					AREA AVERAGE % ASB -		0%					
		throughout concourse	187536-33	mjp on non-suspect pipe cover	OMA	720	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
46	PAN AM	New Add.-Outbound Level-Service Counter					AREA AVERAGE % ASB -		9%					
		east-above open grid ceiling	187596-42	fireproofing	OMC	216	sq.ft.		10	60	I	$7,800	$1,443	$9,243
			187597-42	fireproofing	OMC				15	60	I			
			187598-42	fireproofing	OMC				10	60	I			
			187599-42	fireproofing	OMC				10	60	I			
		west-above open grid ceiling	187608-42	fireproofing	OMC	216	sq.ft.		2	60	I	$7,800	$1,443	$9,243
			187609-42	fireproofing	OMC				4	60	I			
			187610-42	fireproofing	OMC				10	60	I			
			187611-42	fireproofing	OMC				10	60	I			
			187612-42	fireproofing	OMC				6	60	I			
			187613-42	fireproofing	OMC				10	60	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		This material has been sprayed-on the structural steel and decking. Overspray on electrical conduit and ceiling suspension wires was present. The material is located above the Pan Am service counters. There is a decorative grid ceiling which provides no protection from fallout in this area.							AREA TOTAL			$15,600	$2,886	$18,486
47	PAN AM	New Addition-Outbound Level							AREA AVERAGE % ASB - 15%					
		above drop & semipermanent ceilings	187624-44	fireproofing	OMC	344600 sq.ft.			25	34	III	12,443,506	2,301,928	14,745,434
			187625-44	fireproofing	OMC				30	34	III			
			187626-44	fireproofing	OMC				20	34	III			
			187627-44	fireproofing	OMC				18	34	III			
			187628-44	fireproofing	OMC				15	34	III			
			187629-44	fireproofing	OMC				20	34	III			
			187630-44	fireproofing	OMC				10	34	III			
			187631-44	fireproofing	OMC				10	34	III			
			187632-44	fireproofing	OMC				8	34	III			
			187633-44	fireproofing	OMC				12	34	III			
			187634-44	fireproofing	OMC				15	34	III			
			187635-44	fireproofing	OMC				15	34	III			
			187636-44	fireproofing	OMC				8	34	III			
			187637-44	fireproofing	OMC				0	34	III			
			187638-44	fireproofing	OMC				12	34	III			
			187639-44	fireproofing	OMC				15	34	III			
			187640-44	fireproofing	OMC				10	34	III			
			187641-44	fireproofing	OMC				15	34	III			
			187642-44	fireproofing	OMC				10	34	III			
			187643-44	fireproofing	OMC				15	34	III			
			187645-44	fireproofing	OMC				10	34	III			
			187646-44	fireproofing	OMC				12	34	III			
			187647-44	fireproofing	OMC				25	34	III			
			187648-44	fireproofing	OMC				30	34	III			
			187649-44	fireproofing	OMC				25	34	III			
			187650-44	fireproofing	OMC				15	34	III			
			187651-44	fireproofing	OMC				8	34	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187634-44	fireproofing	OMC				15	53	II			
			187635-44	fireproofing	OMC				15	53	II			
			187636-44	fireproofing	OMC				8	53	II			
			187637-44	fireproofing	OMC				0	53	II			
			187638-44	fireproofing	OMC				12	53	II			
			187639-44	fireproofing	OMC				15	53	II			
			187640-44	fireproofing	OMC				10	53	II			
			187641-44	fireproofing	OMC				15	53	II			
			187642-44	fireproofing	OMC				10	53	II			
			187643-44	fireproofing	OMC				15	53	II			
			187645-44	fireproofing	OMC				10	53	II			
			187646-44	fireproofing	OMC				12	53	II			
			187647-44	fireproofing	OMC				25	53	II			
			187648-44	fireproofing	OMC				30	53	II			
			187649-44	fireproofing	OMC				25	53	II			
			187650-44	fireproofing	OMC				15	53	II			
			187651-44	fireproofing	OMC				8	53	II			
		The material is in fair condition with heavy overspray on the concrete walls and ceilings. These rooms are accessed infrequently by airport personnel.							AREA TOTAL			$21,450	$3,968	$25,418
51	PAN AM	New Addition-Outbound Level					AREA AVERAGE % ASB - 0%							
	stairwell 3938		187530-31	mjp on non-suspect pipe cover	OMA	2	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
52	PAN AM	New Addition-4th Floor-Mechanical Room					AREA AVERAGE % ASB - 0%							
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	48	8 in. O.D.	HWS/R	0					
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	16	6 in. O.D.	HWS/R	0					
	throughout		187530-31	mjp on non-suspect pipe cover	OMA	357	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		throughout	187533-32	mjp on non-suspect pipe cover	OMA	84	8 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OMA	16	14 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OMA	32	12 in. O.D.	CW	0					
		throughout	187533-32	mjp on non-suspect pipe cover	OMA	28	10 in. O.D.	CW	0					
			187534-32	mjp on non-suspect pipe cover	OMA				0					
			187535-32	mjp on non-suspect pipe cover	OMA				0					
		throughout	187536-33	mjp on non-suspect pipe cover	OMA	33	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
53	PAN AM	New Addition-4th Floor-Mechanical Room							AREA AVERAGE % ASB - 7%					
		throughout ceiling beams	187539-34	fireproofing	OMC	8500	sq.ft.		10	54	II	$306,935	$56,780	$363,715
			187540-34	fireproofing	OMC				10	54	II			
			187541-34	fireproofing	OMC				10	54	II			
			187542-34	fireproofing	OMC				5	54	II			
			187543-34	fireproofing	OMC				0	54	II			
			187544-34	fireproofing	OMC				15	54	II			
			187545-34	fireproofing	OMC				0	54	II			
		The material is in fair condition on steel beams with overspray on the concrete and conduit. There are severe mechanical vibrations in this area and it is accessed regularly by maintenance personnel.							AREA TOTAL			$306,935	$56,780	$363,715
54	PAN AM	New Addition-4th Floor-Ceilings							AREA AVERAGE % ASB - 0%					
		hallways-throughout	187546-0	acoustical tile	OMG	2730	sq.ft.		0					
		in front of room 4248	187547-0	drop or lay-in panel	OMG	198	sq.ft.		0					
		room 4250W	187547-0	drop or lay-in panel	OMG	288	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
55	PAN AM	New Addition-4th Floor							AREA AVERAGE % ASB - 8%					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		room 4712	187539-34	fireproofing	OMC	495	sq.ft.		10	55	II	$17,874	$3,307	$21,181
		room 4256W	187539-34	fireproofing	OMC	48	sq.ft.		10	55	II	$1,733	$321	$2,054
			187540-34	fireproofing	OMC				10	55	II			
			187541-34	fireproofing	OMC				10	55	II			
			187542-34	fireproofing	OMC				5	55	II			
			187543-34	fireproofing	OMC				0	55	II			
			187544-34	fireproofing	OMC				15	55	II			
			187545-34	fireproofing	OMC				0	55	II			
		This room is accessed infrequently. There is overspray on the ceilings.									AREA TOTAL	$19,607	$3,628	$23,235
56	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB - 0%							
		room 4712	187530-31	mjp on non-suspect pipe cover	OMA	98	4 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					
		room 4712	187533-32	mjp on non-suspect pipe cover	OMA	22	6 in. O.D.	CW	0					
			187534-32	mjp on non-suspect pipe cover	OMA				0					
			187535-32	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
57	PAN AM	New Addition-4th Floor-Clipper Club					AREA AVERAGE % ASB - 0%							
		above drop & semipermanent ceilings	187536-33	mjp on non-suspect pipe cover	OMA	42	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
58	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB - 0%							
		above drop & semipermanent ceilings	174696-23	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	TW	0					
			174697-23	mjp on non-suspect pipe cover	OMA				0					
			174698-23	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		above drop & semipermanent ceilings	187530-31	mjp on non-suspect pipe cover	OMA	18	8 in. O.D.	HWS/R	0					
			187531-31	mjp on non-suspect pipe cover	OMA				0					
			187532-31	mjp on non-suspect pipe cover	OMA				0					
		above drop & semipermanent ceilings	187536-33	mjp on non-suspect pipe cover	OMA	160	4 in. O.D.	DW	0					
			187537-33	mjp on non-suspect pipe cover	OMA				0					
			187538-33	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
59	PAN AM	New Addition-4th Floor					AREA AVERAGE % ASB -		7%					
		above drop & semipermanent ceilings	187539-34	fireproofing	OMC	60650	sq.ft.		10	34	III	2,190,072	$405,142	2,595,214
			187540-34	fireproofing	OMC				10	34	III			
			187541-34	fireproofing	OMC				10	34	III			
			187542-34	fireproofing	OMC				5	34	III			
			187543-34	fireproofing	OMC				0	34	III			
			187544-34	fireproofing	OMC				15	34	III			
			187545-34	fireproofing	OMC				0	34	III			
		The material is in fair condition and sprayed-on steel beams with overspray on the concrete ceiling. The material quantities were estimated from available drawings. The actual amounts may vary. The areas under this material are offices and are used frequently.							AREA TOTAL			2,190,072	$405,142	2,595,214
60	PAN AM	New Addition-Penthouse-Intake Rooms					AREA AVERAGE % ASB -		1%					
		south west room	187603-0	fireproofing	OMC	600	sq.ft.		0					
		south east room	187606-0	fireproofing	OMC	600	sq.ft.		2	72	I	$14,202	$3,072	$17,274
		north & south center rooms	187607-0	fireproofing	OMC	200	sq.ft.		0					
		The material in these areas is fireproofing on structural steel. It is very friable and subject to wind erosion. It is located in the north and south rooms. The area is used for building air intake. The southeast and southwest rooms have very limited accessibility.							AREA TOTAL			$14,202	$3,072	$17,274
61	PAN AM	New Addition-Penthouse-Intake Rooms					AREA AVERAGE % ASB -		0%					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		west room on structural steel	187601-0	fireproofing	OMC	1400	sq.ft.		0					
			187602-0	fireproofing	OMC				0					
		east room on structural steel	187604-0	fireproofing	OMC	1400	sq.ft.		0					
			187605-0	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
62	PAN AM	New Addition-Lower Link Bldg-Ceilings							AREA AVERAGE % ASB - 0%					
		throughout lower floor-ceiling	187657-0	acoustical tile	OMG	9880	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
63	PAN AM	New Addition-Lower Link Building							AREA AVERAGE % ASB - 10%					
		throughout	174649-11	mjp on non-suspect pipe cover	OMA	102	4 in. O.D.	DW	20	16	IV	$3,856	$2,142	$5,998
			174650-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	46	8 in. O.D.	HWS/R	0					
		throughout	187515-28	mjp on non-suspect pipe cover	OMA	30	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					
			187517-28	mjp on non-suspect pipe cover	OMA				0					
		The material types and quantities were estimated from available, although incomplete drawings. The material is located above permanent and semipermanent ceilings and between pipe chases. The materials were inaccessible at the time of the survey.							AREA TOTAL			$3,856	$2,142	$5,998
64	PAN AM	New Addition-Upper Link Bldg-Ceilings							AREA AVERAGE % ASB - 0%					
		throughout upper floor	187656-0	acoustical tile	OMG	6400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

P 702801

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
65	PAN AM	New Addition-Upper Link Building					AREA AVERAGE % ASB - 4%							
	room 2219-ceiling		187568-40	fireproofing	OMC	300	sq.ft.		0	42	II	$10,833	$2,004	$12,837
			187569-40	fireproofing	OMC				15	42	II			
			187570-40	fireproofing	OMC				0	42	II			
			187571-40	fireproofing	OMC				0	42	II			
			187572-40	fireproofing	OMC				10	42	II			
			187573-40	fireproofing	OMC				15	42	II			
			187574-40	fireproofing	OMC				0	42	II			
			187575-40	fireproofing	OMC				0	42	II			
			187576-40	fireproofing	OMC				0	42	II			
			187577-40	fireproofing	OMC				0	42	II			
			187578-40	fireproofing	OMC				0	42	II			
			187579-40	fireproofing	OMC				15	42	II			
			187580-40	fireproofing	OMC				10	42	II			
			187581-40	fireproofing	OMC				0	42	II			
			187582-40	fireproofing	OMC				0	42	II			
			187583-40	fireproofing	OMC				0	42	II			
			187584-40	fireproofing	OMC				10	42	II			
			187585-40	fireproofing	OMC				15	42	II			
			187586-40	fireproofing	OMC				0	42	II			
			187587-40	fireproofing	OMC				0	42	II			
			187588-40	fireproofing	OMC				0	42	II			
			187589-40	fireproofing	OMC				0	42	II			
			187590-40	fireproofing	OMC				0	42	II			
		The material is in fair condition with much overspray on the concrete ceiling. This room is accessed infrequently.						AREA TOTAL				$10,833	$2,004	$12,837
66	PAN AM	New Addition-Upper Link Building					AREA AVERAGE % ASB - 10%							
	throughout		174649-11	mjp on non-suspect pipe cover	OMA	115	4 in. O.D.	DW	20	16	IV	$4,347	$2,415	$6,762
			174650-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
			174651-11	mjp on non-suspect pipe cover	OMA				20	16	IV			
	throughout		187515-28	mjp on non-suspect pipe cover	OMA	12	8 in. O.D.	HWS/R	0					
	throughout		187515-28	mjp on non-suspect pipe cover	OMA	49	4 in. O.D.	HWS/R	0					
			187516-28	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187517-28	mjp on non-suspect pipe cover	OMA				0					
		The material types and quantities were estimated from available, although incomplete drawings. The material is located above permanent and semipermanent ceilings and between bathroom pipe chases. These areas were inaccessible at the time of the survey.							AREA TOTAL			$4,347	$2,415	$6,762
67	PAN AM	External Gate Jetways					AREA AVERAGE % ASB - 0%							
		external jetways around	187562-39	weatherproof coating	OMZ	36940 sq.ft.			0					
			187563-39	weatherproof coating	OMZ				0					
			187564-39	weatherproof coating	OMZ				0					
									AREA TOTAL			$0	$0	$0
							TENANT - PAN AM		TOTAL			32,904,466	6,658,026	39,562,492

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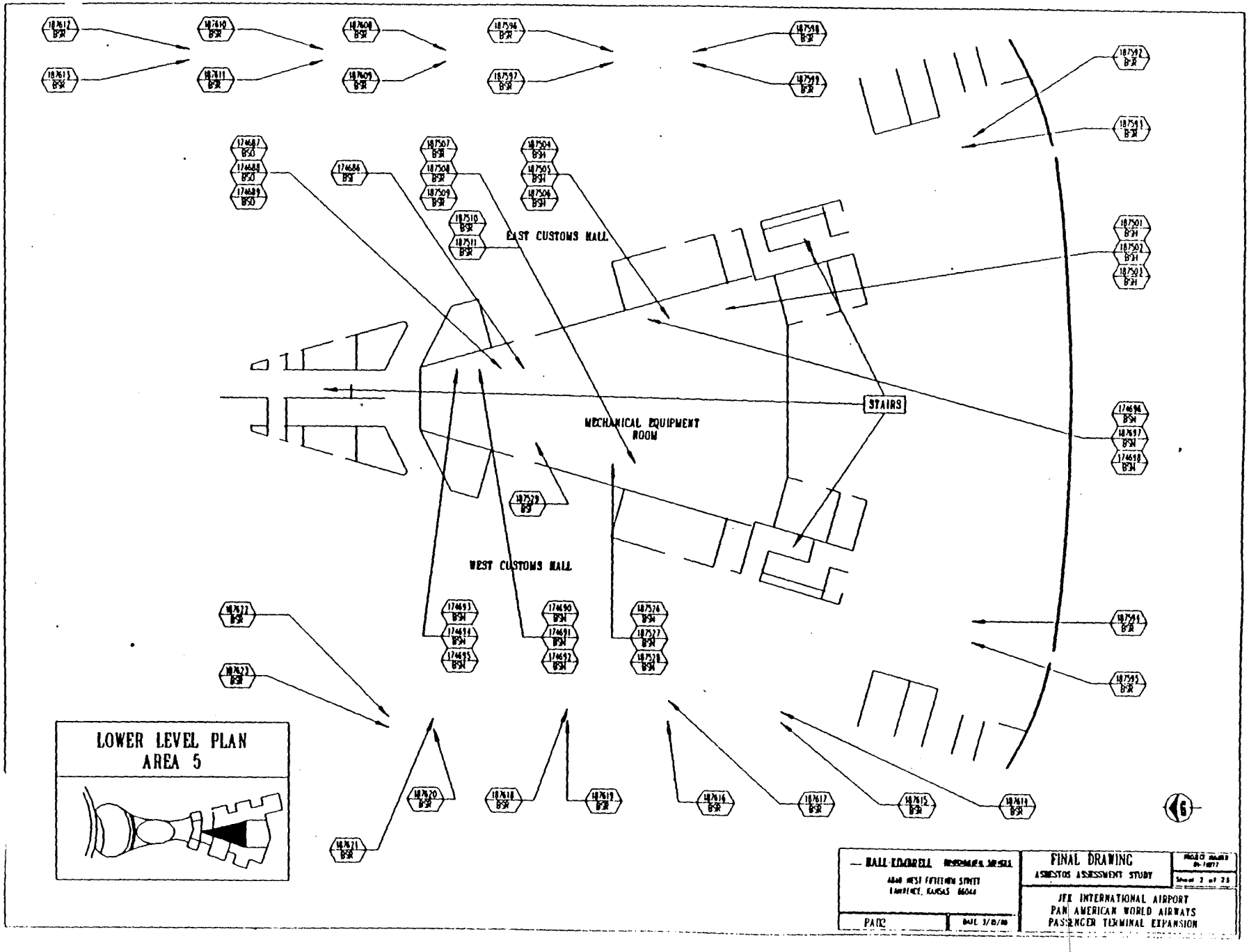
AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
68	U.S. CUSTOMS	New Addition-Lower Level-Baggage Claim							AREA AVERAGE % ASB - 14%					
		above drop & semipermanent ceilings	187614-43	fireproofing	OMC	17400	sq.ft.		15	20	III	$628,314	$116,232	$744,546
			187615-43	fireproofing	OMC				15	20	III			
			187616-43	fireproofing	OMC				15	20	III			
			187617-43	fireproofing	OMC				12	20	III			
			187618-43	fireproofing	OMC				18	20	III			
			187619-43	fireproofing	OMC				18	20	III			
			187620-43	fireproofing	OMC				12	20	III			
			187621-43	fireproofing	OMC				15	20	III			
			187622-43	fireproofing	OMC				8	20	III			
			187623-43	fireproofing	OMC				15	20	III			
		The material quantities were estimated from available drawings where accuracy is unknown. The material is not encapsulated and is above metal panel ceilings in an area which is heavily accessed and has much mechanical vibrations from the baggage conveyors.							AREA TOTAL			$628,314	$116,232	$744,546
69	U.S. CUSTOMS	New Addition-Lower Level							AREA AVERAGE % ASB - 11%					
		ceiling over agent's cubicles	187592-41	fireproofing	OMC	3780	sq.ft.		15	46	II	$136,496	$25,250	$161,746
			187593-41	fireproofing	OMC				10	46	II			
			187594-41	fireproofing	OMC				10	46	II			
			187595-41	fireproofing	OMC				10	46	II			
		ceiling over baggage claim areas 5 & 6	187596-42	fireproofing	OMC	15156	sq.ft.		10	46	II	$547,283	$101,242	$648,525
			187597-42	fireproofing	OMC				15	46	II			
			187598-42	fireproofing	OMC				10	46	II			
			187599-42	fireproofing	OMC				10	46	II			
			187608-42	fireproofing	OMC				2	46	II			
			187609-42	fireproofing	OMC				4	46	II			
			187610-42	fireproofing	OMC				10	46	II			
			187611-42	fireproofing	OMC				10	46	II			
			187612-42	fireproofing	OMC				6	46	II			
			187613-42	fireproofing	OMC				10	46	II			
		ceiling over baggage claim areas 1 & 2	187614-43	fireproofing	OMC	14868	sq.ft.		15	46	II	$536,883	$99,318	$636,201
			187615-43	fireproofing	OMC				15	46	II			
			187616-43	fireproofing	OMC				15	46	II			
			187617-43	fireproofing	OMC				12	46	II			

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187618-43	fireproofing	OMC				18	46	II			
			187619-43	fireproofing	OMC				18	46	II			
			187620-43	fireproofing	OMC				12	46	II			
			187621-43	fireproofing	OMC				15	46	II			
			187622-43	fireproofing	OMC				8	46	II			
			187623-43	fireproofing	OMC				15	46	II			
		The material is on the exposed ceilings over the baggage carousels and customs counters. The material is encapsulated with paint but is damaged and exposed in several areas. There are severe mechanical vibrations from baggage conveyors coming down through the ceiling to the carousels and the possibility of baggage contact damage exists. The material quantities were estimated from available, but incomplete drawings.							AREA TOTAL			1,220,662	$225,810	1,446,472
							TENANT - U.S. CUSTOMS		TOTAL			1,848,976	$342,042	2,191,018
									BUILDING TOTAL			34,840,106	7,016,100	41,856,206


EAST CUSTOMS HALL
MECHANICAL EQUIPMENT ROOM
STAIRS
WEST CUSTOMS HALL
LOWER LEVEL PLAN
AREA 5
HALL-EMMERELL
4840 WEST FOTTEROW STREET
LAWRENCE, KANSAS 66044
PAIC
FINAL DRAWING
ASBESTOS ASSESSMENT STUDY
JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

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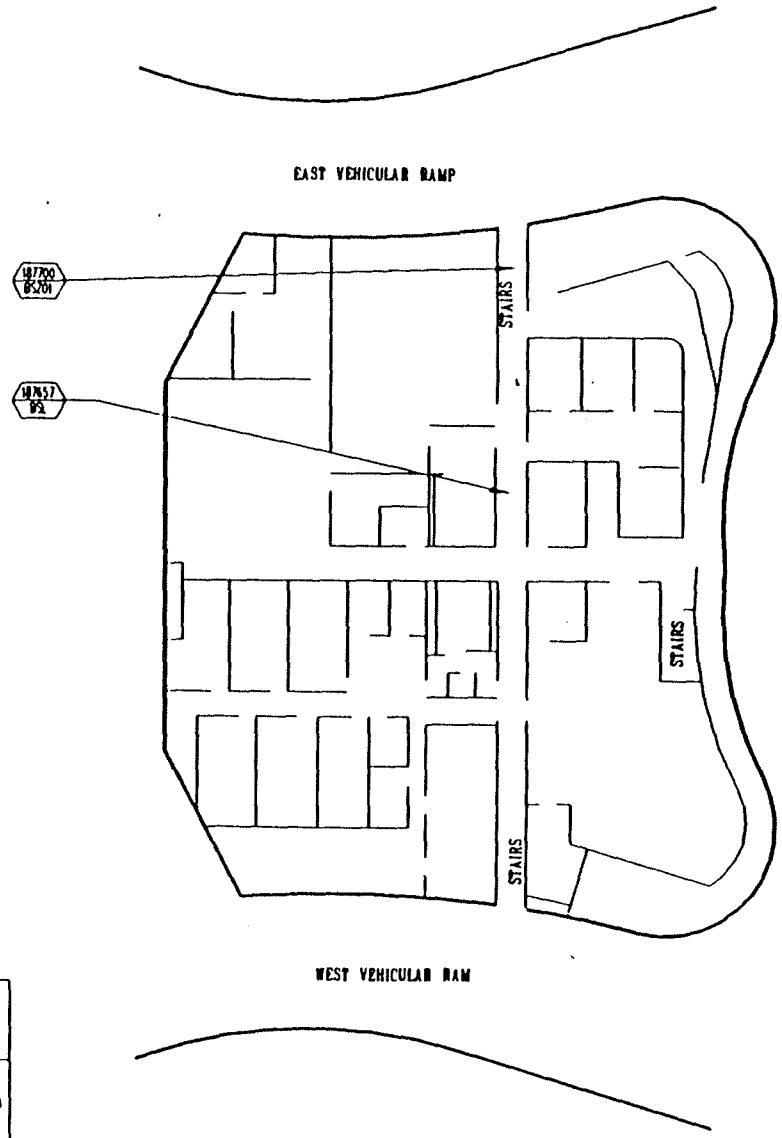
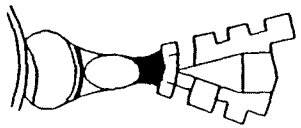


LOWER LEVEL PLAN
AREA 4



SECURITY AREA
PILOTS AND FLIGHT ATTENDENTS LOUNGE

6

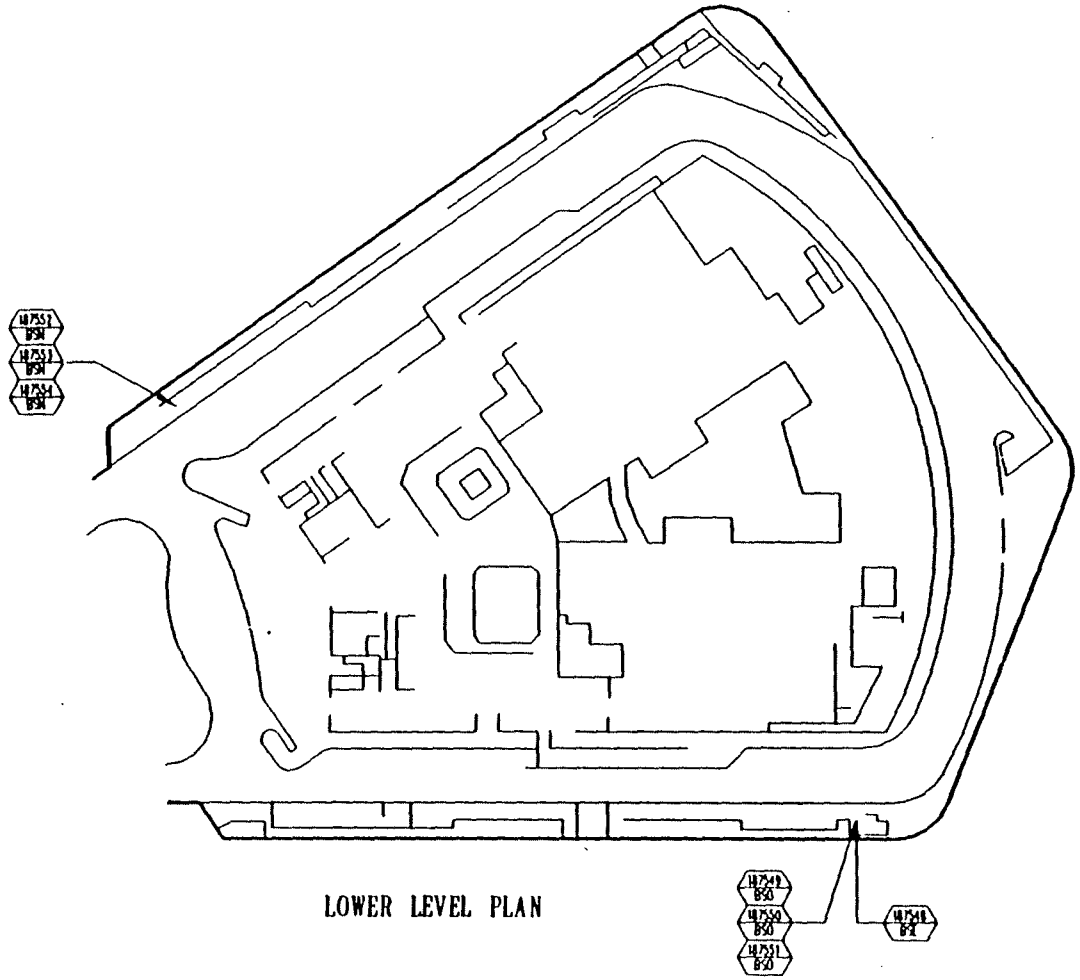
HALL-KOMBRELL
4840 WEST FIFTEENTH STREET
LAWRENCE, KANSAS 66044

PA01

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

P 702807



HALL-CONNELL

4646 WEST FATTEMAN STREET
LAWRENCE, KANSAS 66044

SCALE 1/8" = 1'

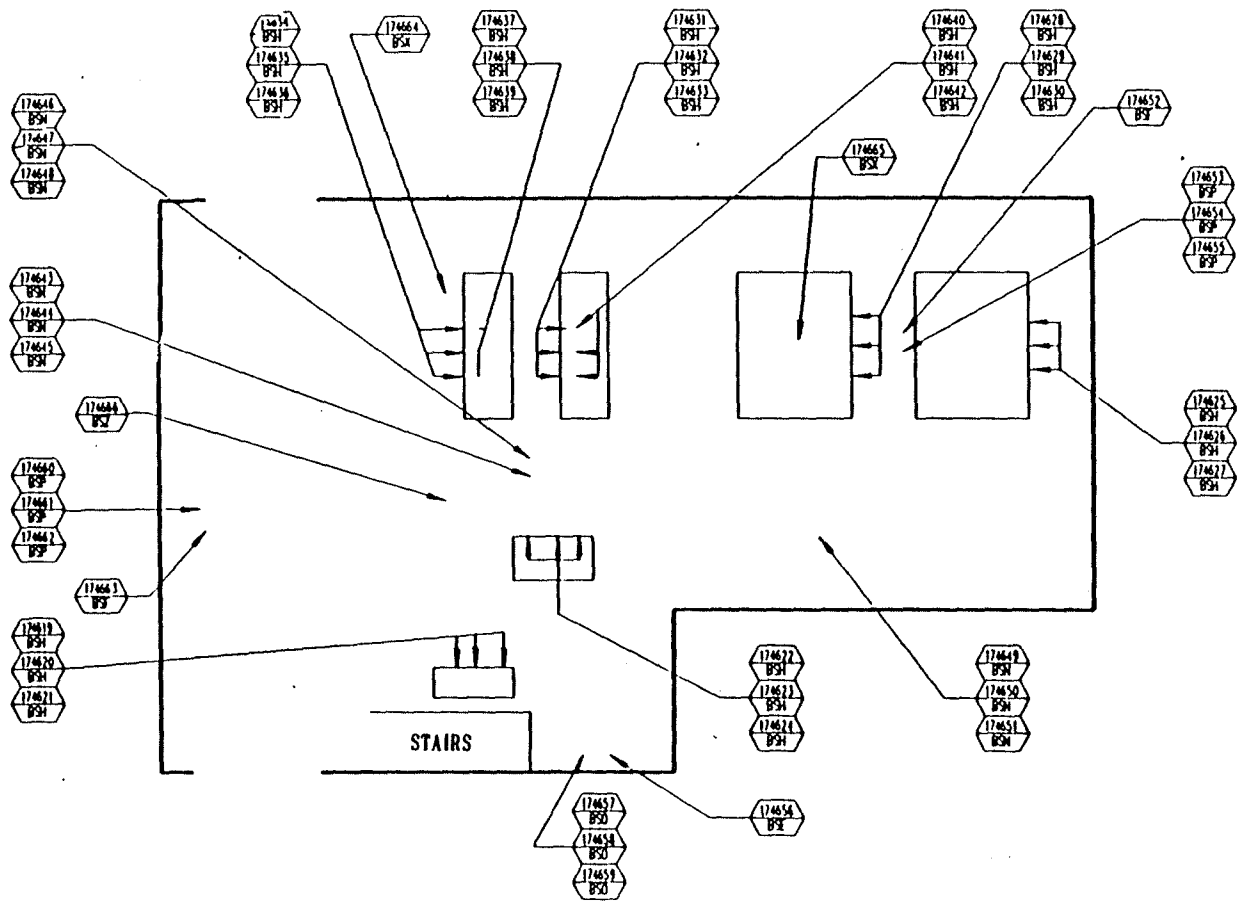
DATE 3/8/88

PLANE DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

PA19

P 702808



GROUND LEVEL
MECHANICAL ROOM #1

HALL EXCAVATOR
4646 WEST PENNSYLVANIA STREET
LAWRENCE, KANSAS 66044

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

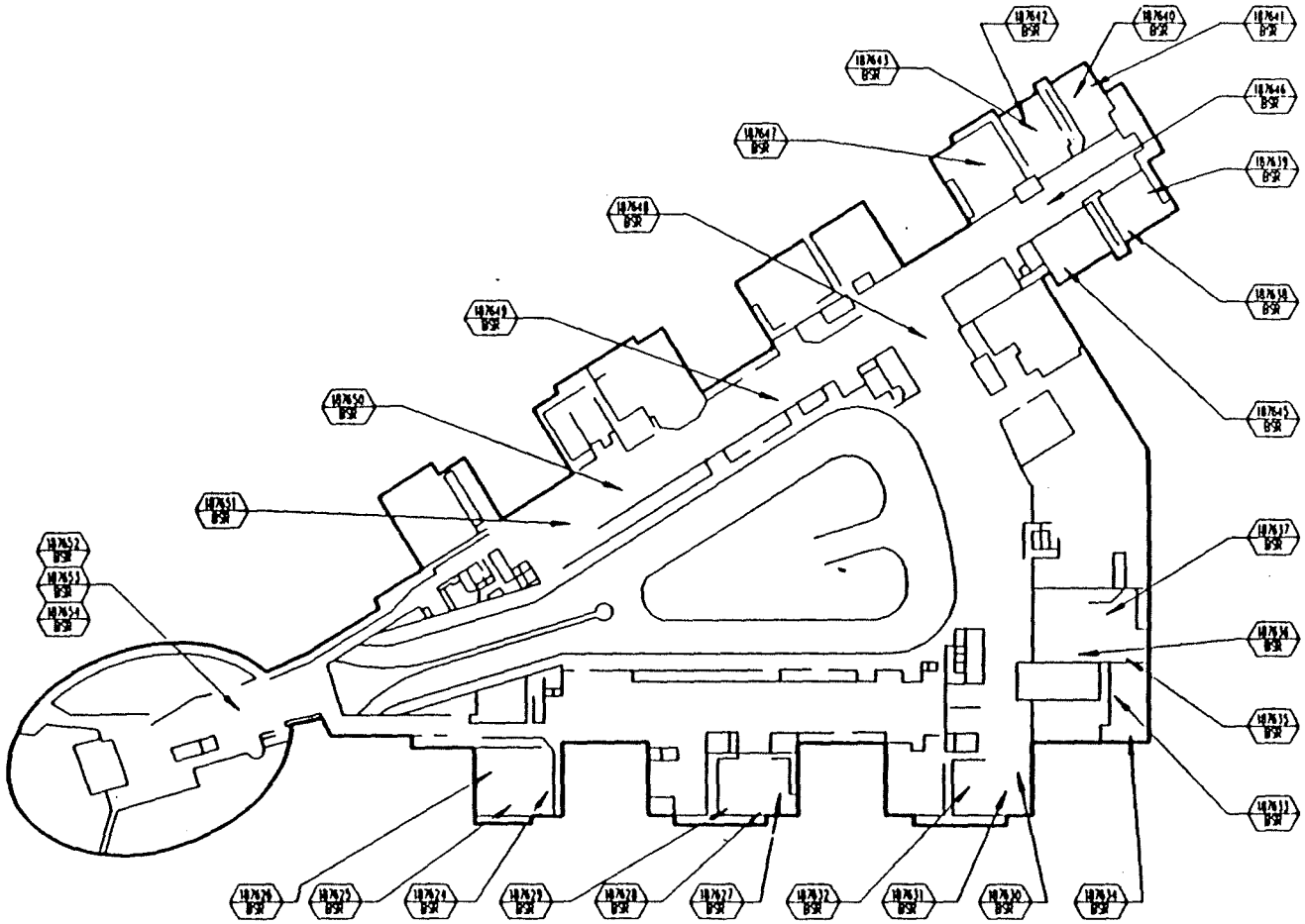
Sheet 23 of 23

JFK INTERNATIONAL AIRPORT
PAN AMERICAN WORLD AIRWAYS
PASSENGER TERMINAL EXPANSION

PA23

DATE 3/15/90

P 702809



CONCOURSE LEVEL PLAN

HALL-EDGWELL ENGINEERS, INC. 4840 WEST FIFTEENTH STREET LAWRENCE, KANSAS 66044	FINAL DRAWING ASBESTOS ASSESSMENT STUDY	PROJECT NUMBER 84-74077 Sheet 18 of 23
SCALE: 1/8" = 1' DATE 3/6/88	JFK INTERNATIONAL AIRPORT PAN AMERICAN WORLD AIRWAYS PASSENGER TERMINAL EXPANSION	

PA18

P 702810

THE PORT AUTHORITY OF NY & NJ

One World Trade Center, 68N
New York, N.Y. 10048

Office of Senior
Litigation Counsel

Milton H. Pachter
Senior Litigation Counsel
(212) 435-6815

July 21, 1994

Defense Counsel in Port Authority v.
Allied; 91 Civ. 0310 (CLB)

Last year I distributed to counsel updates to the initial bulk sampling surveys for facilities at issue in the suit. Since then, the Asbestos Litigation Task Force has taken additional bulk samples in WTC Buildings 1 and 2 and at the LGA CTB. Copies of the sampling results are enclosed in this mailing, to counsel interested in those buildings -- to supplement the bulk sampling results for those buildings mailed in June 1993.

We enclose as well, to parties named for those buildings, Longo reports for products not at issue at JFK IAB (Buildings 051, 052), JFK 053 and JFK 060.

Very truly yours,

Ezra I. Bialik
Office of Senior Litigation
Counsel - 68 North
(212) 435-6818

THE PORT AUTHORITY OF NY & NJ MEMORANDUM

TO: David Platt
FROM: Frank Pergola
DATE: August 07, 1992

SUBJECT: ANALYSES OF POSSIBLE ASBESTOS CONTAINING MATERIALS

Enclosed please find bulk samples of material which are suspected to contain asbestos. The priority for analysis of these samples is as follows:

Sample Number	Date Results Needed By
ALTF-1108	August 11, 1992
ALTF-1113	August 11, 1992

Please provide me with a copy of the results when your analysis is complete. If you have any questions or anticipate any problems in meeting this request, please give me a call at (212) 435-6090.

FAX # (212) 435-6151

Frank Pergola

P 702812

10

Port Authority of NY&NJ SURVEY CODE #:

Asbestos Management & Compliance Division

ASBESTOS BULK SAMPLING

ILITY: JFK Int'l Airport AREA: South Concourse Level

CATION: Gate 8 BUILDING #: 53 FLOOR: 3rd

PLE TYPE: REQUIRED DATA: (If Unrelated, Then Enter: N/A)

TF .... [✓] - Contract Number: n/A

survey .... [ ] Job Number: n/A Date Sample Taken: 8/5/92

ecial .... [ ] Nature of Request: To determine whether or not asbestos is present

AMPLE NUMBER:	SAMPLE DESCRIPTION:
ALTF-1108	Cementitious fireproofing collected from a 16" x 6" I-beam located 20' north of LL-1377-JFK + 3' from East wall in Gate 8, formerly LL-1932-JFK
'TF-1109	Cementitious fireproofing collected from a 12" x 4" I-be- located 8' from west wall above the telephones + 40' from S. wall in Gate 8, formerly LL-1933-JFK

ASBESTOS MANAGEMENT AND COMPLIANCE DIVISION REPRESENTATIVE(S): Keith Murphy, Gilbert Gedeon

FIRM: PA's ALTF

Jean M. Koch
ANALYZED BY:

August 10, 199
DATE:

LOGGED IN

LOGGED OUT - TEM

LOGGED OUT - PLM

AUG 7 P2:58

92 AUG 11 AM:13

SAMPLE NUMBER	NON-ASBESTOS COMPONENTS	LAYERS	PER LAYER	TOTAL
ALTF 1108	VERM/MICA, QUARTZ,	L1=		CHRYSOTILE
PLM# E80FC	BINDER	L2=		(25%)
TEM#	[X] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
ALTE 1109	VERM/MICA, QUARTZ,	L1=		CHRYSOTILE
PLM# 54051	BINDER	L2=		(25%)
TEM#	[X] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			
		L1=		
PLM#		L2=		
TEM#	[ ] Drying Oven [ ] 9-Hour Ashing [ ] HCl [ ] Dispersant [ ] QUAL. TM [ ] QUAN. TM [ ] STRAT. PLOM. [ ]			

No Asbestos Detected * = Further Analysis Advised TAD = Trace Asbestos Detected SAD = Significant Asbestos Detected

REVIEWER: [signature]
SUPERVISOR, ASBESTOS LABORATORY SERVICES

P 702814

(PLM-2 V2.0 Wed 1 Apr 92)

THE PORT AUTHORITY OF NY & NJ MEMORANDUM

TO: David Platt
FROM: Frank Pergola
DATE: December 16, 1991

SUBJECT: ANALYSES OF POSSIBLE ASBESTOS CONTAINING MATERIALS

Enclosed please find bulk samples of material which are suspected to contain asbestos. The priority for analysis of these samples is as follows:

Sample Number	Date Results Needed By
ALTF-817	December 30, 1991
ALTF-821	December 30, 1991

Please provide me with a copy of the results when your analysis is complete. If you have any questions or anticipate any problems in meeting this request, please give me a call at (212) 435-6090.

FAX # (212) 435-6151

Frank Pergola
Frank Pergola

P 702815

7/90

Port Authority of NY&NJ

SURVEY CODE #: N/A

Asbestos Management & Compliance Division

ASBESTOS BULK SAMPLING

FACILITY: John F. Kennedy Int'l Airport AREA: Apron level / South end of building

LOCATION: Various rooms on the apron level South end of the building BUILDING #: 53 FLOOR: Apron level

SAMPLE TYPE: REQUIRED DATA: (If Unrelated, Then Enter: N/A)

ALTF ..... [✓] Contract Number: N/A

Resurvey ..... [ ] Job Number: N/A Date Sample Taken: 12/16/91

Special ..... [ ] Nature of Request: to determine the percentage of asbestos present

SAMPLE NUMBER:	SAMPLE DESCRIPTION:
ALTF-817	~~Fluffy~~ cementitous fireproofing material collected from a beam in the Delta maintenance lounge room.
ALTF-818	Cementitous fireproofing material collected from the tool shed room from the bottom of a beam along the South wall.
ALTF-819	Cementitous fireproofing material collected from the side of a beam located along the South wall of the tool shed room.
ALTF-820	Cementitous fireproofing material collected from a beam located on the West wall of the cabin service and storage supply room
ALTF-821	Cementitous fireproofing material collected from a beam located along the North wall of vacant office area, rm. #2748
	Looked like a patch of respray per Mike Anton.

P 702816

ASBESTOS MANAGEMENT AND COMPLIANCE DIVISION REPRESENTATIVE(S): Mike Anton, Sten Evenhouse

Port Authority of NY & NJ
Asbestos Management Division

ASBESTOS BULK SAMPLING

Analyzed By: Jean M. Koch Date: Jan. 2, 1992

SAMPLE NUMBER	NON ASBESTOS COMPONENTS	LAYERS	PER LAYER	TOTAL
ALTF - 817	Cellulose, binder	L1=		Chrysotile (35%)
	vermiculite, quartz	L2=		
818	Cellulose, binder	L1=		NAD
	vermiculite, quartz	L2=		
819	Cellulose, binder	L1=		Chrysotile (35%)
	vermiculite, quartz	L2=		
820	Cellulose, binder	L1=		Chrysotile (35%)
	vermiculite, quartz	L2=		
821	Cellulose, binder	L1=		Chrysotile (35%)
	vermiculite, quartz	L2=		
		L1=		
		L2=		
		L1=		
		L2=		
		L1=		
		L2=		
		L1=		
		L2=		
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		L1=		
		L2=		
		L1=		
		L2=		

NAD = No Asbestos Detected • = Further Analysis Advised 1 = Qualitative TEM 2 = Quantitative TEM

REVIEWER:
Supervisor, Asbestos Laboratory Services: [signature]

P 702817

(PIM-2 v1.4 Wed 13 Mar 91)

THE PORT AUTHORITY OF NY & NJ MEMORANDUM

TO: David Platt
FROM: Frank Pergola
DATE: November 01, 1991

SUBJECT: ANALYSES OF POSSIBLE ASBESTOS CONTAINING MATERIALS

Enclosed please find bulk samples of material which are suspected to contain asbestos. The priority for analysis of these samples is as follows:

Sample Number	Date Results Needed By
ALTF - 784	November 15, 1991
- 785	
- 786	
- 787	
- 788	
- 789	
ALTF - 790	November 15, 1991

Please provide me with a copy of the results when your analysis is complete. If you have any questions or anticipate any problems in meeting this request, please give me a call at (212) 435-6090.

FAX # (212) 435-6151

Frank Pergola
Frank Pergola

P 702818

7/90

Port Authority of NY&NJ

SURVEY CODE #: N/A

Asbestos Management & Compliance Division

ASBESTOS BULK SAMPLING

AREA: John F. Kennedy Int'l Airport AREA: N/A

LOCATION: 2nd Fl MER #2, third floor gates #6 & 10 BUILDING #: 53 FLOOR: 2nd 3rd

SAMPLE TYPE: REQUIRED DATA: (If Unrelated, Then Enter: N/A)

LTF ..... [✓] Contract Number: N/A

resurvey ..... [ ] Job Number: N/A Date Sample Taken: 11/01/91

pecial ..... [ ] Nature of Request: to determine the percentage of asbestos present.

SAMPLE NUMBER:	SAMPLE DESCRIPTION:
ALTF-784	cementitous material collected from the 2nd fl. MER-#2 taken from a beam above the door. corresponding Lit.# LL-1353-JFK
ALTF-785	cementitous material collected from the 3rd fl. gate #6 10' from the West end. corresponding Lit.# LL-1621-JFK
ALTF-786	cementitous material collected from the 2nd fl. West baggage make-up area from a beam above conveyor #3. Lit.# LL-1622-JFK
ALTF-787	cementitous material collected from the SW corner of the 2nd floor near the Cargo/Mail area. Litigation # LL-1623-JFK
ALTF-788	cementitous material collected from a beam on the East wall above the battery recharger. (2nd fl.) Litigation # LL-1624-JFK
ALTF-789	cementitous material collected from a beam on the 2nd floor between baggage conveyors 7+8. Litigation # LL-1625-JFK
ALTF-790	cementitous material collected from 2nd fl. East wall Northern end near coveyor #12 from a beam. Litigation # LL-1626-JFK

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ASBESTOS MANAGEMENT AND COMPLIANCE DIVISION REPRESENTATIVE(S): Anthony Wilmoth Frantz Dambreville

A & CD / PA CONSULTANT STEN Even house / Hygienetics FIRM: AMD.

Port Authority of NY & NJ
Asbestos Management Division

ASBESTOS BULK SAMPLING

Analyzed By: Jean M. Koch Date: Nov. 7, 1991

SAMPLE NUMBER	NON ASBESTOS COMPONENTS	LAYERS	PER LAYER	TOTAL
ALTF 784	Cellulose, resin/mica	L1=		Chrysotile
	binder, quartz	L2=		(25%)
785	Cellulose, resin/mica	L1=		Chrysotile
	binder, quartz	L2=		(30%)
786	Cellulose, resin/mica	L1=		Chrysotile
	binder, quartz	L2=		(20%)
787	Cellulose, resin/mica	L1=		Chrysotile
	binder, quartz	L2=		(35%)
788	Cellulose, resin/mica	L1=		NAD
	binder, quartz	L2=		
789	Cellulose, resin/mica	L1=		Chrysotile
	binder, quartz	L2=		(30%)
790	~~Mineral wool~~	L1=		~~Chrysotile~~
	~~$CaCO_3$~~, quartz	L2=		~~(45%)~~
	cellulose, Binder	L1=		NAD
	Vermiculite	L2=		
		L1=		
		L2=		
		L1=		
		L2=		
		L1=		
		L2=		
		L1=		
		L2=		
		L1=		P 702820
		L2=		

NAD = No Asbestos Detected * = Further Analysis Advised 1 = Qualitative TEM 2 = Quantitative TEM

REVIEWER:
Supervisor, Asbestos Laboratory Services: N. Manohar Rao

DRAFT COPY ISSUED 05/15/92

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT # 372
SURVEY # 001

FACILITY: JOHN F. KENNEDY INTERNATIONAL AIRPORT
LOCATION: TERMINAL "A" DEPARTURE ROADWAYS
AREA DESCRIPTION: PAN AM WORLD PORT, 2ND OVERPASS ROADWAY

BUILDING: 53
FLOOR: GROUND

SAMPLE NUMBER	LOCATION	RESULT
JFK-4857	GRAY AND BROWN SPRAYED ON FIREPROOFING TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS DIRECTLY ABOVE CENTER OF ROADWAY	10% CHRYSOTILE ASBESTOS SAMPLE DATE: 09/17/91
JFK-4858	GRAY AND BROWN SPRAYED ON FIREPROOFING TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS LOCATED ABOVE CENTER OF ROADWAY	10% CHRYSOTILE ASBESTOS SAMPLE DATE: 09/17/91
JFK-4859	GRAY AND BROWN SPRAYED ON FIREPROOFING TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS LOCATED ABOVE CENTER OF ROADWAY	10% CHRYSOTILE ASBESTOS SAMPLE DATE: 09/17/91
JFK-4860	GRAY AND BROWN SPRAYED ON FIREPROOFING TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS LOCATED 3' WEST ABOVE CENTER OF ROADWAY	10% CHRYSOTILE ASBESTOS SAMPLE DATE: 09/17/91
JFK-4861	HARD GRAYISH BLACK MATERIAL TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS LOCATED ABOVE CENTER OF ROADWAY	NON ASBESTOS SAMPLE DATE: 09/17/91
JFK-4862	BLACK AND PINK PAPER AND FIBEROUS MATERIAL TAKEN FROM UNDERSIDE OF 2ND WALKWAY OVERPASS LOCATED ABOVE CENTER OF ROADWAY	NON ASBESTOS SAMPLE DATE: 09/17/91

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PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT # 374
SURVEY #

FACILITY: JOHN F. KENNEDY INTERNATIONAL AIRPORT
LOCATION: I.A.B. & P.A.A TERMINAL "A"
AREA DESCRIPTION: FUEL LINES (UNDERGROUND)

BUILDING: 53
FLOOR: RUNWAY

SAMPLE NUMBER	LOCATION	RESULT
JFK-4964	BLACK FIBROUS MATERIAL COLLECTED FROM AN UNDERGROUND FUEL LINE LOCATED BETWEEN IAB & BUILDING # 53	30% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/09/91
JFK-4965	CARDBOARD AND BLACK FIBROUS MATERIAL COLLECTED FROM AN UNDERGROUND FUEL LINE LOCATED BETWEEN IAB & BUILDING # 53	30% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/09/91
JFK-4966	CARDBOARD AND BLACK FIBROUS MATERIAL COLLECTED FROM AN UNDERGROUND FUEL LINE LOCATED BETWEEN IAB AND BUILDING # 53	30% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/09/91

DRAFT COPY ISSUED 05/15/92

PORT AUTHORITY OF NY & NJ
ASBESTOS MANAGEMENT DIVISION
SAMPLE LOCATIONS

REPORT # 400
SURVEY # 001

FACILITY: JOHN F. KENNEDY INTERNATIONAL AIRPORT
LOCATION: UNDERSIDE OF BRIDGES
AREA DESCRIPTION: CONNECTING BRIDGES OF TERMINAL "A"

BUILDING: 53
FLOOR: ROADWAY

SAMPLE NUMBER	LOCATION	RESULT
JFK-5213	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING BRIDGE SERVING GATE # 1 OF PAN-AM TERMINAL "A".	NON ASBESTOS SAMPLE DATE: 10/31/91
JFK-5214	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING BRIDGE SERVING GATE # 3 OF PAN-AM TERMINAL "A".	1-3% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/31/91
JFK-5215	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING "WEST" BRIDGE.	NON ASBESTOS SAMPLE DATE: 10/31/91
JFK-5216	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING "EAST" BRIDGE.	NON ASBESTOS SAMPLE DATE: 10/31/91
JFK-5217	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING BRIDGE SERVING GATE # 17 OF PAN-AM TERMINAL "A".	1-3% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/31/91
JFK-5218	CONCRETE SAMPLE COLLECTED FROM UNDERSIDE OF CONNECTING BRIDGE SERVING GATE #19 OF PAN-AM TERMINAL "A".	1-3% CHRYSOTILE ASBESTOS SAMPLE DATE: 10/31/91

ORIGINAL

Port Authority of N.Y and N.J.
Litigation Sampling Program

JOB NUMBER N/A

Sample Area Data Sheet

Facility: JFK Intl Airport Building: Delta Airlines

Building No: #53 Floor: 3rd Floor Sample Size 4x3, site

Description of Sampling Area: Gate Area #8 above drop ceiling

Sample Numbers:

LL- 1932-JFK-A,B,C,D	LL-	LL-	LL-
LL- 1933-JFK-A,B,C,D	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- ___ Sprayed-On
- ✓ Troweled-On/Cementitious
- ___ Plaster
- ___ Acoustical Plaster
- ___ Air Cell
- ___ Molded Sections/Pads
- ___ VAT
- ___ Ceiling Tile
- ___ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ___ Concrete Slab/Metal Decking
- ___ Cable
- ___ Duct/Breeching
- ___ Floors
- ___ Heating/Cooling Equiptment
- ___ Ceilings
- ___ Piping/Fittings
- ___ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: Gilbert Gedeon, Keith Murphy Date: 8/5/92

Persons Present Gilbert Gedeon, Keith Murphy

Photographs Taken By: Gilbert Gedeon, Keith Murphy

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Name: Gilbert Gedeon Signature Gilbert Gedeon 8/12/92

SURVEYOR Robert Gordon

ORIGINAL

JOB NUMBER N/A

FACILITY JFK Int'l Airport

LE NUMBER	DESCRIPTION OF SAMPLING LOCATION
LL-1932-JFK	Cementitious fireproofing collected from a 16" x 6" I-beam. Sample located 20' from South wall and 3' from East wall of gate 8, 3rd floor.
LL-1933-JFK	Cementitious fireproofing collected from a 12" x 4" I-beam. Sample located 40' from South wall and 8' from West wall of gate 8, 3rd floor. (adjacent to public telephones).

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ORIGINAL

Port Authority of N.Y and N.J.
Litigation Sampling Program

JOB NUMBER TCP-150

Sample Area Data Sheet

Facility: JFK INTL AIRPORT Building: DELTA AIRLINE

Building No: 53 Floor: 2nd & 4TH Floor Sample Size 4oz Vial

Description of Sampling Area: 2nd Floor Mechanical Shop AREA, 4TH floor OFFICE AREA.

Sample Numbers:

LL-1868-JFK-ABCV	LL-	LL-	LL-
LL-1869-JFK-ABCV	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- X Sprayed-On
- X Troweled-On/Cementitious
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ____ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- X Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: Michael ANTON GILBERT GEDEON Date: 3/16/92

Persons Present M. ANTON, G. GEDEON

M. ANTON, G. GEDEON

Photographs Taken By: P 702826

Name: Michael ANTON Signature Michael Anton 3/16/92
DATE

SURVEYOR M. ANTON

JOB NUMBER TOP-150

ORIGINAL

FACILITY JFK-BLDG #53

E NUMBER	DESCRIPTION OF SAMPLING LOCATION
LL-1868-JFK.	Cementitious fireproofing was taken from side of support Beam. Located in the Mechanical tool Shop Room, 2nd floor along South wall. 13' above floor level
LL-1869-JFK.	Cementitious fireproofing was taken from bottom of support Beam. Located on the 4th floor Locker Room of ANA Airline office area. Along East wall, 13' above floor level.

P 702827

ORIGINAL

Port Authority of N.Y and N.J.
Litigation Sampling Program

JOB NUMBER 70P-150

Sample Area Data Sheet

Facility: JFK INT'L AIRPORT Building: DELTA AIRLINES

Building No: 53 Floor: ~~2nd FLOOR~~ 3rd floor Sample Size 4 oz cups, vial

Description of Sampling Area: CONCOURSE LEVEL ABOVE DROP ceiling BY GATE 24-26 Entrance.

Sample Numbers:

LL- 791 -JFK-ABCXV.	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- ____ Sprayed-On
- X ~~Troweled-On~~/Cementitious
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ____ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- X Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: Michael ANTON, GILBERT GEDEON Date: 1/28/92

Persons Present M. ANTON, G. GEDEON

Photographs Taken By: M. ANTON, G. GEDEON

P 702828

Name: Michael ANTON Signature Michael Anton 1/28/92

SURVEYOR M. ANTON, G. GEDEON

ORIGINAL

JOB NUMBER TOP-152

FACILITY JFK - BLDG #53

SAMPLE NUMBER	DESCRIPTION OF SAMPLING LOCATION
LL-1797-JFK	SPRAYED-ON CEMENTITIOUS FIREPROOFING WAS TAKEN
	FROM THE BOTTOM OF SUPPORT BEAM NEAR 2ND COLUM.
	ON THE CONCOURSE LEVEL BY GATE # 24-26 ENTRANCE.

P 702829

Port Authority of N.Y and N.J.
Litigation Sampling Program

ORIGINAL

JOB NUMBER _____

Sample Area Data Sheet

Facility: JFK INT'L AIRPORT Building: PAN AM

Building No: 53 Floor: FIRST Sample Size 4OZ, VIAL

Description of Sampling Area: East / West side electrical closet, West Customs HALL

Sample Numbers:

LL-1615-JFK-A,B,C, X ✓	LL-	LL-	LL-
LL-1616-JFK-A,B,C	LL-	LL-	LL-
LL-1617-JFK-A,B,C	LL-	LL-	LL-
LL-1618-JFK-A,B,C	LL-	LL-	LL-
LL-1619-JFK-A,B,C	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- ✓ Sprayed-On
- ✓ Troweled-On/Cementitious
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ✓ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: F. DAMBREVILLE, A. WILMOTH Date: 8/26/91

Persons Present F. Dambreville, A. Wilmoth

Photographs Taken By: F. Dambreville, A. Wilmoth

P 702830

Name: ANTHONY WILMOTH Signature Anthony Wilmoth 8/28/91 DATE

SURVEYOR _____

ORIGINAL

JOB NUMBER _____

FACILITY JFK, PAN Am BLDG 53

PLE NUMBER	DESCRIPTION OF SAMPLING LOCATION
LL-1615-JFK	Cementitious insulation material collected from South-west corner of west lobby electrical closet.
LL-1616-JFK	Cementitious insulation material collected from North-east corner of east arrival lobby electrical closet.
LL-1617-JFK	Cementitious insulation material collected from the west customs hall located above baggage claim # 1
LL-1618-JFK	Cementitious insulation material collected from the domestic claim area located above baggage claim # 3
LL-1619-JFK	Cementitious insulation material collected from the crew briefing office and lounge area located in the valve room L-1 South-west corner.

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Port Authority of N.Y and N.J.
Litigation Sampling Program

JOB NUMBER _____

Sample Area Data Sheet

ORIGINAL

Facility: JFK INTL. AIRPORT Building: PAN AM

Building No: 53 Floor: FIRST Sample Size 4oz, VIAL

Description of Sampling Area: MER #1, U.S. CUSTOMS AREA

Sample Numbers:

LL-1368-JFK-A,B,C,X,U	LL-1374-JFK-A,B,C	LL-	LL-
LL-1369-JFK-A,B,C	LL-	LL-	LL-
LL-1370-JFK-A,B,C	LL-	LL-	LL-
LL-1371-JFK-A,B,C	LL-	LL-	LL-
LL-1372-JFK-A,B,C	LL-	LL-	LL-
LL-1373-JFK-A,B,C	LL-	LL-	LL-

Form of Asbestos Material

- ✓ Sprayed-On
- ✓ ~~Troweled-On~~/Cementitious
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ____ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: F. DAMBREVILLE, A. WILMOTH Date: 4/10/91

Persons Present F. DAMBREVILLE, A. WILMOTH

Photographs Taken By: A. WILMOTH, F. DAMBREVILLE P 702832

Name: FRANTZ DAMBREVILLE Signature Frantz Dambreville 4/11/91 DATE

Port Authority of New York and New Jersey
ASBESTOS BULK SAMPLES

ORIGINAL

Facility: JFK INTL. AIRPORT PAN AM TERMINAL A BLDG. #53

SAMPLE NUMBER:	LOCATION
LL-1368-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE U.S. CUSTOMS AREA, ABOVE CARROUSEL NUMBER 6
LL-1369-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE U.S. CUSTOMS AREA, ABOVE CARROUSEL NUMBER 5
LL-1370-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE MECHANICAL EQUIPMENT ROOM, ABOVE THE EXIT DOOR LEADING TO THE CARROUSELS #1 AND #2
LL-1371-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE MECHANICAL EQUIPMENT ROOM, IN BETWEEN THE PUMPS P6 AND P7
LL-1372-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE MECHANICAL EQUIPMENT ROOM, BY THE METALLIC STAIRS LEADING TO THE SECOND FLOOR MER.
LL-1373-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE MECHANICAL EQUIPMENT ROOM, BY AC UNIT #1
LL-1374-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN THE MECHANICAL EQUIPMENT ROOM, THE BEAM WAS 3 FEET TO THE EXIT DOOR LEADING TO THE CARROUSELS #5 AND #6.

P 702833

ORIGINAL

Port Authority of N.Y and N.J.
Litigation Sampling Program

JOB NUMBER _____

Sample Area Data Sheet

Facility: JFK INT'L AIRPORT Building: PAN AM

Building No: 53 Floor: Third Sample Size 4oz, VIAL

Description of Sampling Area: GATE #6, GATE 10

Sample Numbers:

LL- 1620-JFK-A,B,C	LL-	LL-	LL-
LL- 1621-JFK-A,B,C	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- ✓ Sprayed-On
- ✓ Troweled-On/Cementitious
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ✓ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: F. DAMBERVILLE, A. WILMOTH Date: 8/26/91

Persons Present F. Damberville, A. Wilmoth

P 702834

Photographs Taken By: F. Damberville, A. Wilmoth

Name: ANTHONY WILMOTH Signature Anthony Wilmoth 8/28/91 DATE

SURVEYOR_____ JOB NUMBER_____

FACILITY JFK - PAN AM BLDG. # 53

E NUMBER	DESCRIPTION OF SAMPLING LOCATION
L-1620-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE NUMBER 10, LOCATED IN THE SOUTH-EAST CORNER
L-1621-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE NUMBER 6, 7 FEET FROM WEST WALL AND 10 FEET SOUTH FROM COLUMN.

P 702835

Port Authority of N.Y and N.J. ORIGINAL
Litigation Sampling Program

JOB NUMBER Top 150

Sample Area Data Sheet

Facility: John F Kennedy Internat'l Airport Building: PAN Am

Building No: 53 Floor: 3rd Floor Departure Sample Size 4oz, Vials

Description of Sampling Area: 3rd Floor Departure level

Sample Numbers:

LL-1375-JFK-A,B,C,X,V	LL-1381-A,B,C	LL-	LL-
LL-1376-JFK-A,B,C	LL-	LL-	LL-
LL-1377-JFK-A,B,C	LL-	LL-	LL-
LL-1378-JFK-A,B,C	LL-	LL-	LL-
LL-1379-JFK-A,B,C	LL-	LL-	LL-
LL-1380-JFK-A,B,C	LL-	LL-	LL-

Form of Asbestos Material

- ___ Sprayed-On
- ✓ ~~Troweled-On~~/Cementitious
- ___ Plaster
- ___ Acoustical Plaster
- ___ Air Cell
- ___ Molded Sections/Pads
- ___ VAT
- ___ Ceiling Tile
- ___ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ___ Concrete Slab/Metal Decking
- ___ Cable
- ___ Duct/Breeching
- ___ Floors
- ___ Heating/Cooling Equiptment
- ___ Ceilings
- ___ Piping/Fittings
- ___ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

P 702836

Sample taken by: Anthony Wilmoth, Franty Dambreville Date: 4-15-91

Persons Present Anthony Wilmoth, Franty Dambreville

Photographs Taken By: Anthony Wilmoth, Franty Dambreville

Name: Anthony Wilmoth Signature [signature] 4/17/91 DATE

SURVEYOR _____ JOB NUMBER _____

FACILITY JFK - BLDG #57
PAN AM.

LE NUMBER	DESCRIPTION OF SAMPLING LOCATION
L-1375-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM CALIFORNIA LOUNGE / GATE #7. SAMPLE WAS TAKEN IN THE SOUTH-EAST CORNER APPROXIMATELY 4 FEET FROM SOUTH WA
L-1376-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM CALIFORNIA LOUNGE / GATE #7. SAMPLE WAS TAKEN IN THE NORTH-WEST CORNER APPROXIMATELY 10 FEET FROM WINDOW
L-1377-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE #8 SAMPLE WAS TAKEN IN THE WEST CORNER, APPROXIMATELY 4 FEET FROM LIQUID CRYSTAL DISPLAY #1
L-1378-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE #9. SAMPLE WAS TAKEN IN THE EAST CORNER, APPROXIMATE 5 FEET FROM LIQUID CRYSTAL DISPLAY #5
L-1379-JFK	CEMENTITIOUS INSULATION MATERIAL, COLLECTED FROM GATE #17. SAMPLE WAS TAKEN IN THE WEST CORNER, APPROXIMATELY 4 FEET FROM FRONT DESK P 702837
L-1380-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE #17. SAMPLE WAS TAKEN FROM CENTER OF ROOM
L-1381-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM GATE

SURVEYOR_____

JOB NUMBER_____

FACILITY JFK- BLDG #53
PAN AM

: NUMBER	DESCRIPTION OF SAMPLING LOCATION
	#12. SAMPLE WAS TAKEN FROM THE NORTH EAST CORNER

P 702838

ORIGINAL

Port Authority of N.Y and N.J.
Litigation Sampling Program

Sample Area Data Sheet

JOB NUMBER _____

cility: JFK INTL. AIRPORT Building: PAN AM

Building No: 53 Floor: 4TH Sample Size 4oz, VIAL

Description of Sampling Area: MECHANICAL EQUIPMENT ROOM, EMPTY OFFICE AREA, HALLWAY IN FRONT OF THE MECHANICAL ROOM

Sample Numbers:

LL-1346-JFK-A,B,C X, VLL-1352-JFK-A,B,C	LL-	LL-	LL-
LL-1347-JFK-A,B,C	LL-	LL-	LL-
LL-1348-JFK-A,B,C	LL-	LL-	LL-
LL-1349-JFK-A,B,C	LL-	LL-	LL-
LL-1350-JFK-A,B,C	LL-	LL-	LL-
LL-1351-JFK-A,B,C	LL-	LL-	LL-

Form of Asbestos Material	Location of Asbestos Material
✓ Sprayed-On	✓ Support Beams/Columns
✓ ~~Troweled-On~~/Cementitious	___ Concrete Slab/Metal Decking
___ Plaster	___ Cable
___ Acoustical Plaster	___ Duct/Breeching
___ Air Cell	___ Floors
___ Molded Sections/Pads	___ Heating/Cooling Equiptment
___ VAT	___ Ceilings
___ Ceiling Tile	___ Piping/Fittings
___ Other:	___ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: F. DAMBREVILLE, A. WILMOTH Date: 4/3/91

Persons Present F. DAMBREVILLE, A. WILMOTH

P 702839

Photographs Taken By: A. WILMOTH, F. DAMBREVILLE

Name: FRANTZ DAMBREVILLE Signature [signature] 4/4/91 DATE

SURVEYOR_____ JOB NUMBER_____

FACILITY JFK- BLDG. #53
PAN AM

E NUMBER	DESCRIPTION OF SAMPLING LOCATION
L-1346-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN MECHANICAL EQUIPMENT ROOM NEXT TO A HVAC UNIT
L-1347-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN MECHANICAL EQUIPMENT ROOM, 2 FEET FROM THE WEST WALL
L-1348-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN MECHANICAL EQUIPMENT ROOM, 1 FOOT FROM WEST WALL
L-1349-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN MECHANICAL EQUIPMENT ROOM, BEHIND HVAC UNIT
L-1350-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN AN EMPTY OFFICE AREA OF THE FOURTH FLOOR
L-1351-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN HALLWAY AREA OF FOURTH FLOOR AND IN FRONT OF THE HVAC ROOM
L-1352-JFK	CEMENTITIOUS INSULATION TAKEN FROM A BEAM LOCATED IN MECHANICAL EQUIPMENT ROOM, BY THE ENTRANCE DOOR

P 702840

Port Authority of N.Y and N.J.
Litigation Sampling Program

ORIGINAL

JOB NUMBER _____

Sample Area Data Sheet

Facility: JFK INT'L AIRPORT Building: PAN AM

Building No: 53 Floor: SECOND Sample Size 4oz, VIAL

Description of Sampling Area: _____

Sample Numbers:

LL-1622-JFK-A,B,C,X,V	LL-	LL-	LL-
LL-1623-JFK-A,B,C	LL-	LL-	LL-
LL-1624-JFK-A,B,C	LL-	LL-	LL-
LL-1625-JFK-A,B,C	LL-	LL-	LL-
LL-1626-JFK-A,B,C	LL-	LL-	LL-
LL-	LL-	LL-	LL-

Form of Asbestos Material

- ✓ Sprayed-On
- ____ Troweled-On/Cementitious ✓
- ____ Plaster
- ____ Acoustical Plaster
- ____ Air Cell
- ____ Molded Sections/Pads
- ____ VAT
- ____ Ceiling Tile
- ____ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ____ Concrete Slab/Metal Decking
- ____ Cable
- ____ Duct/Breeching
- ____ Floors
- ____ Heating/Cooling Equiptment
- ____ Ceilings
- ____ Piping/Fittings
- ____ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: F. DAMBERVILLE, A. WILMOTT Date: 8/27/91

Persons Present F. Damberville, A. Wilmoth

P 702841

Photographs Taken By: F. Damberville, A. Wilmoth

Name: ANTHONY WILMOTT Signature Anthony Wilmoth 8/28/91
DATE

SURVEYOR _____ JOB NUMBER _____

FACILITY JFK - PAN AM BLDG. #53

.E NUMBER	DESCRIPTION OF SAMPLING LOCATION
LL-1622-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM THE NORTH-WEST CORNER ABOVE CONVEYOR NUMBER THREE (HORIZONTAL BEAM)
LL-1623-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM THE SOUTH-WEST CORNER ABOVE ELEVATOR MACHINE ROOM
LL-1624-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM THE EAST WALL ABOVE THE BATTERY RECHARGER
L-1625-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM A HORIZONTAL BEAM BETWEEN CONVEYOR 7 AND 8 ON A CATWALK
L-1626-JFK	CEMENTITIOUS INSULATION MATERIAL COLLECTED FROM EAST WALL, NORTHERN END NEAR CONVEYOR #12, HORIZONTAL BEAM.

P 702842

Port Authority of N.Y and N.J.
Litigation Sampling Program

ORIGINAL

JOB NUMBER Top 150

Sample Area Data Sheet

JFK International Airport Building: Terminal B / PAN Am

Building No: 53 Floor: 2nd Floor / MER Sample Size 4oz, VIALS

Description of Sampling Area: 2nd Floor Mechanical equipment room #2

Sample Numbers:

LL-1353-JFK-A,B,C,X,V	LL-1359-JFK-A,B,C	LL-	LL-
LL-1354-JFK-A,B,C	LL-	LL-	LL-
LL-1355-JFK-A,B,C	LL-	LL-	LL-
LL-1356-JFK-A,B,C	LL-	LL-	LL-
LL-1357-JFK-A,B,C	LL-	LL-	LL-
LL-1358-JFK-A,B,C	LL-	LL-	LL-

Form of Asbestos Material

- ✓ Sprayed-On
- ✓ ~~Troweled-On~~/Cementitious
- ___ Plaster
- ___ Acoustical Plaster
- ___ Air Cell
- ___ Molded Sections/Pads
- ___ VAT
- ___ Ceiling Tile
- ___ Other:

Location of Asbestos Material

- ✓ Support Beams/Columns
- ___ Concrete Slab/Metal Decking
- ___ Cable
- ___ Duct/Breeching
- ___ Floors
- ___ Heating/Cooling Equiptment
- ___ Ceilings
- ___ Piping/Fittings
- ___ Other:

Comments: (Indicate any unique characteristics of the material which may help identify the manufacturer.)

Sample taken by: Anthony Wilmoth, Frantz Dambreville Date: 4/8/91

Persons Present Anthony Wilmoth, Frantz Dambreville

P 702843

Photographs Taken By: Anthony Wilmoth, Frantz Dambreville

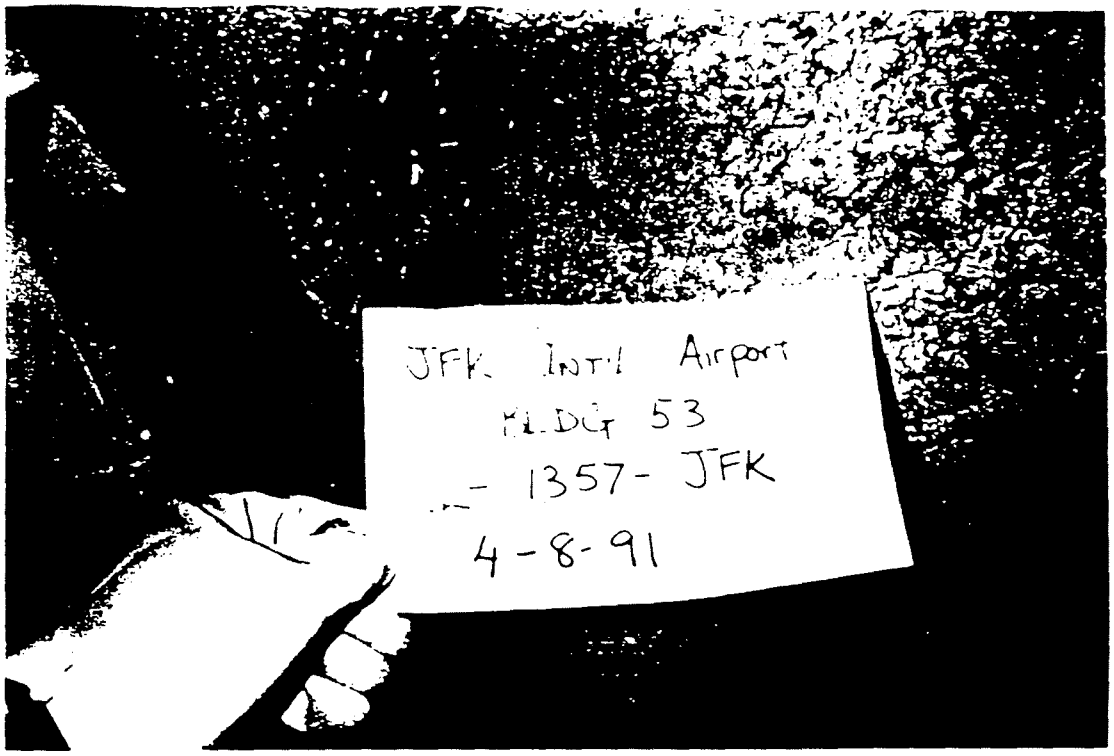
Name: Anthony Wilmoth Signature [signature] 4/11/91 DATE

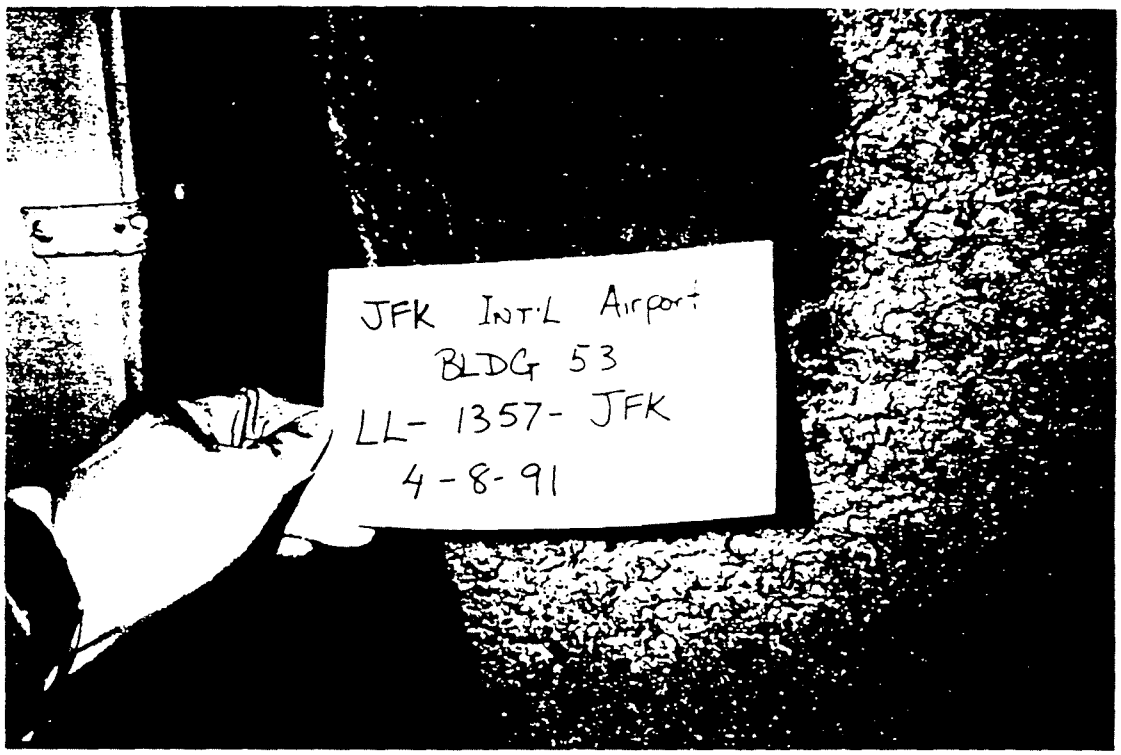
SURVEYOR _____ JOB NUMBER _____

FACILITY JFK- BLDG #53
PAN- AM

E NUMBER	DESCRIPTION OF SAMPLING LOCATION
L-1353-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7 ABOVE THE DOOR ON THE LEFT. (FROM A BEAM)
L-1354-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7, NEXT TO AC UNIT. (FROM A BEAM)
L-1355-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7, FROM A BEAM IN THE AC/REPAIR SHOP.
L-1356-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #17 FROM A BEAM ABOVE AC UNIT
L-1357-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7, FROM A BEAM NEXT TO THE DUCT RUN AND 3 FEET FROM SOUTH WALL.
L-1358-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7 FROM A BEAM ABOVE AC UNIT.
L-1359-JFK	CEMENTITIOUS SAMPLE WAS TAKEN FROM THE SECOND FLOOR MER #7, FROM A BEAM 15 FEET HORIZONTAL FROM WORK SHOP ENTRANCE.

P 702844


JFK INT'L Airport
BLDG 53
LL- 1357- JFK
4-8-91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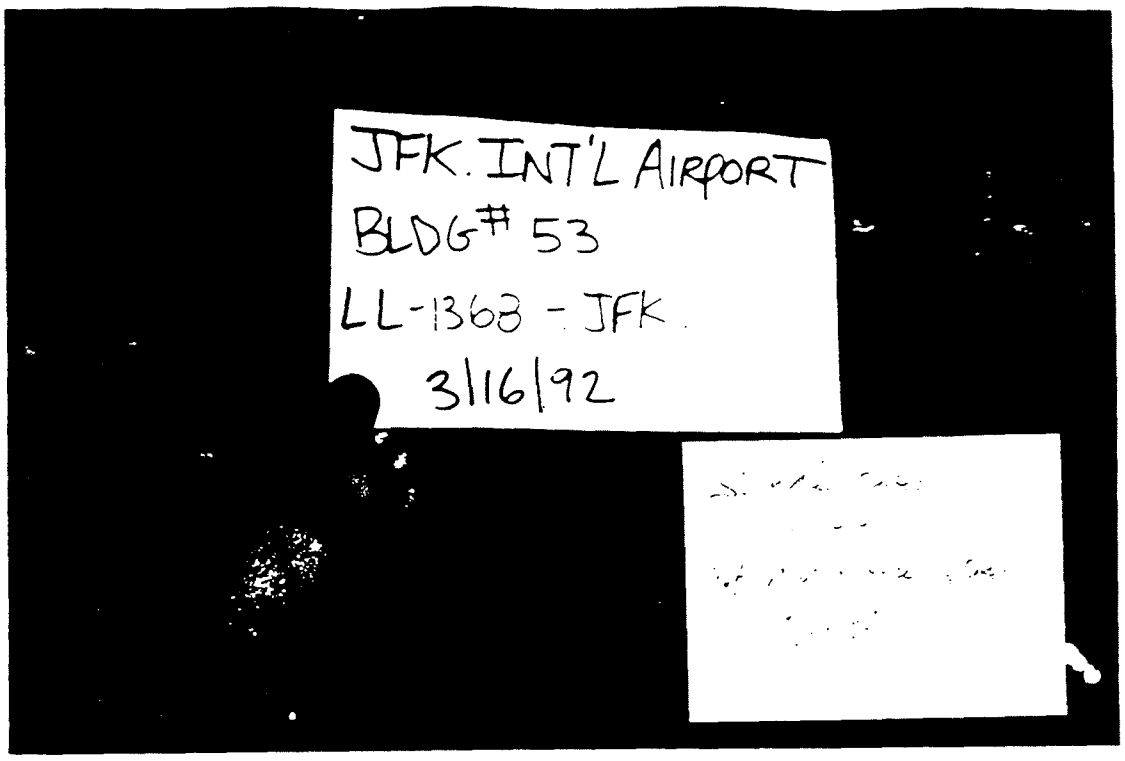
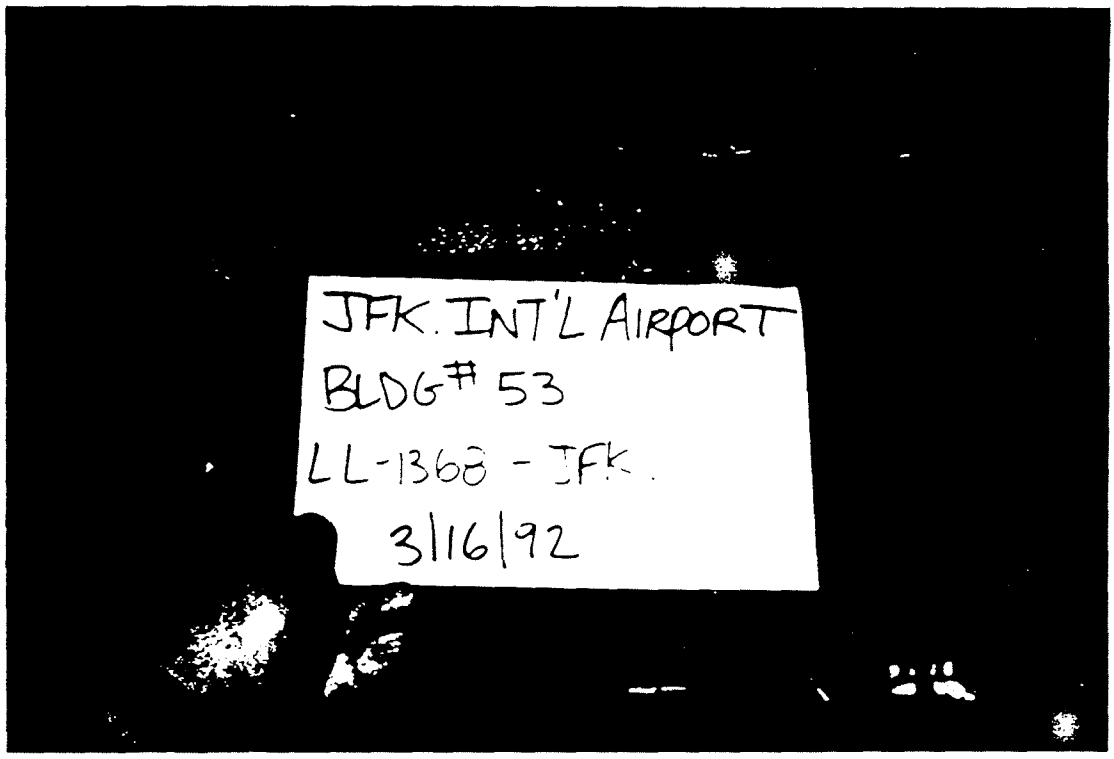
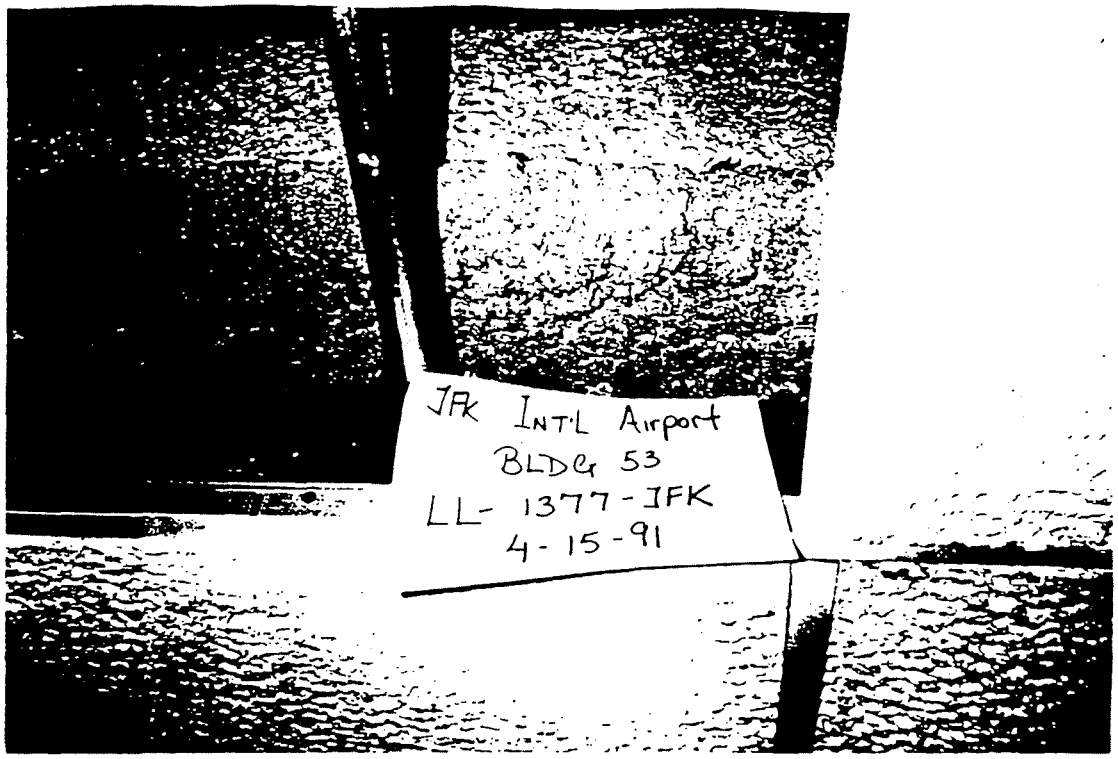
BLDG 53
LL- 1357- JFK
4-8-91

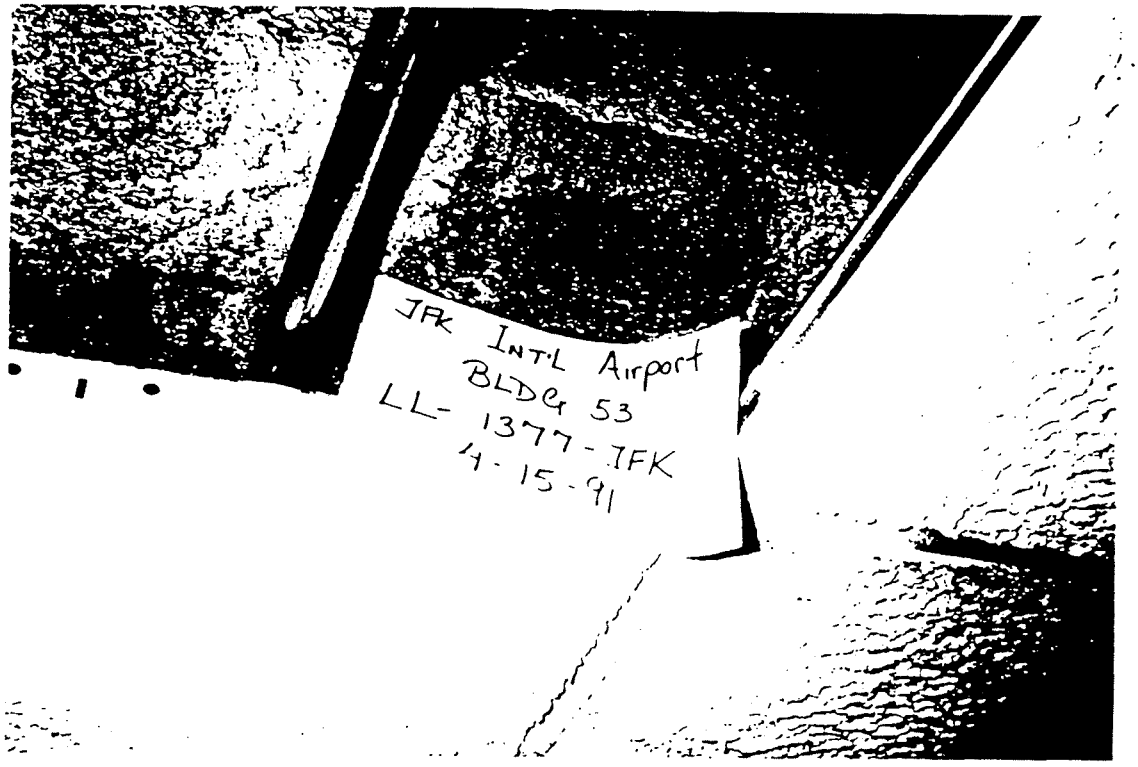
P 702845


JFK. INT'L AIRPORT
BLDG# 53
LL-1368 - JFK.
3/16/92

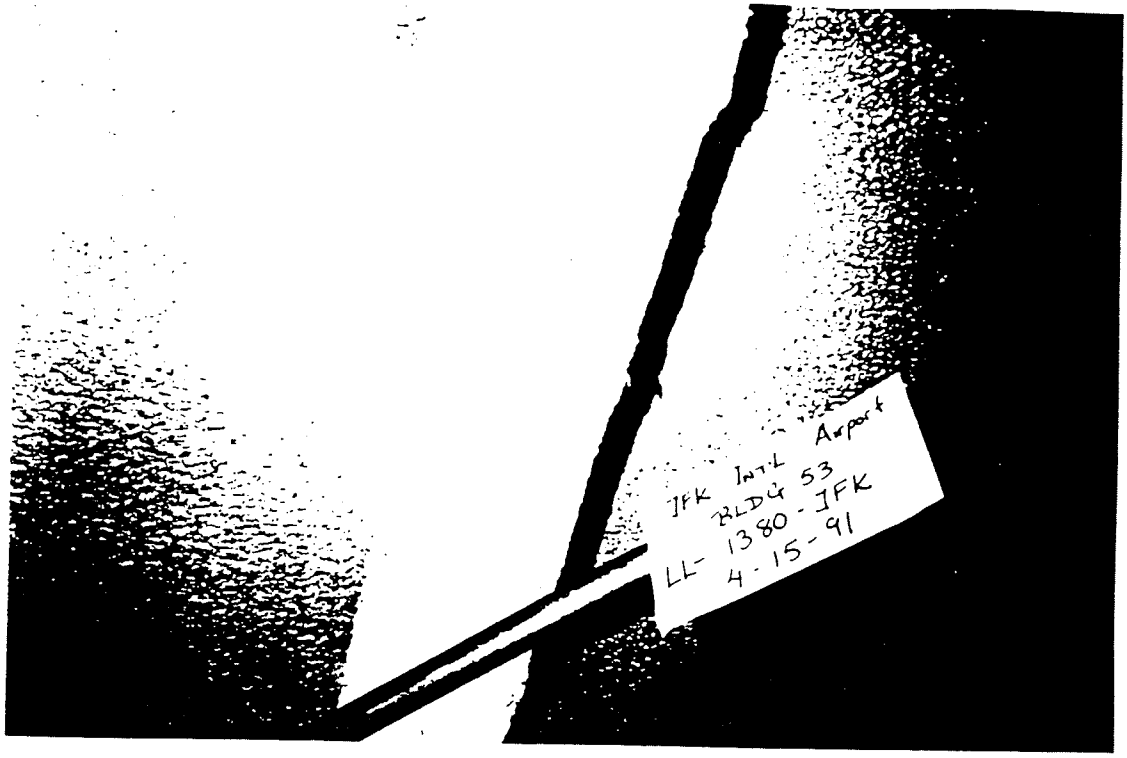

JFK. INT'L AIRPORT
BLDG# 53
LL-1368 - JFK.
3/16/92

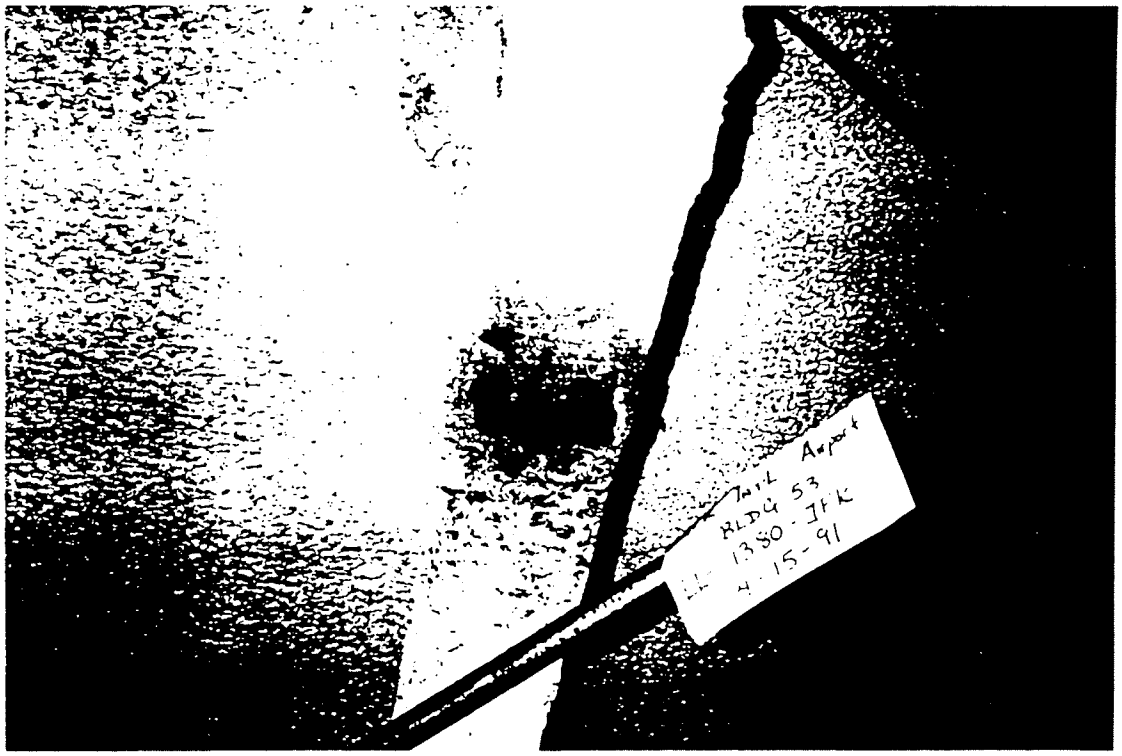
P 702846


JFK INT'L Airport
BLDG 53
LL- 1377-JFK
4-15-91

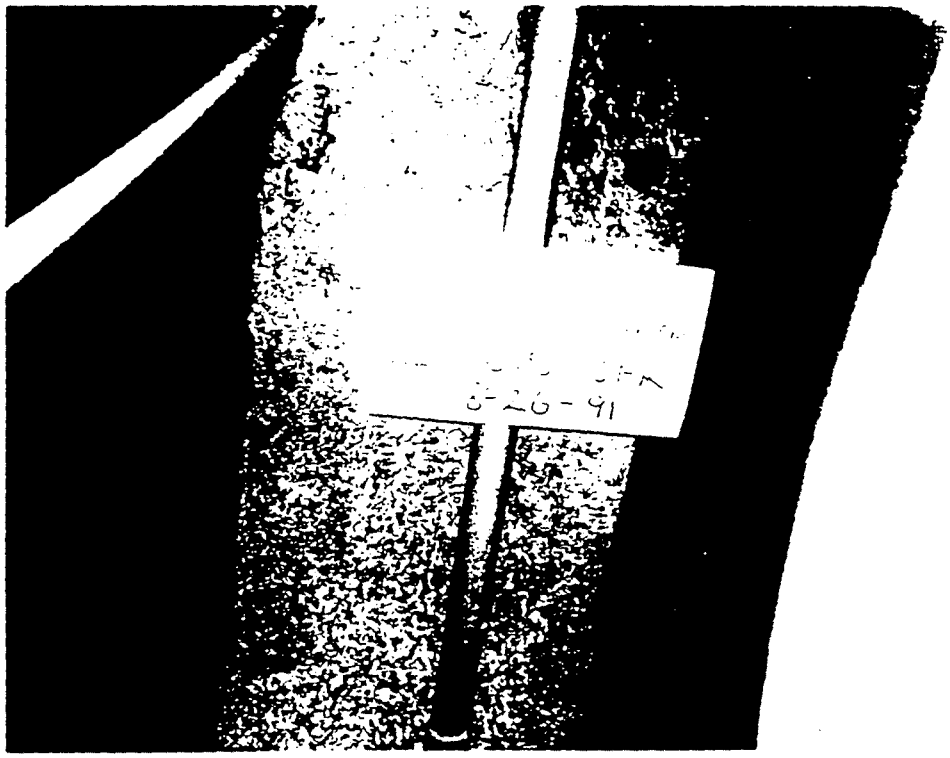

JFK INT'L Airport
BLDG 53
LL- 1377-JFK
4-15-91

P 702847

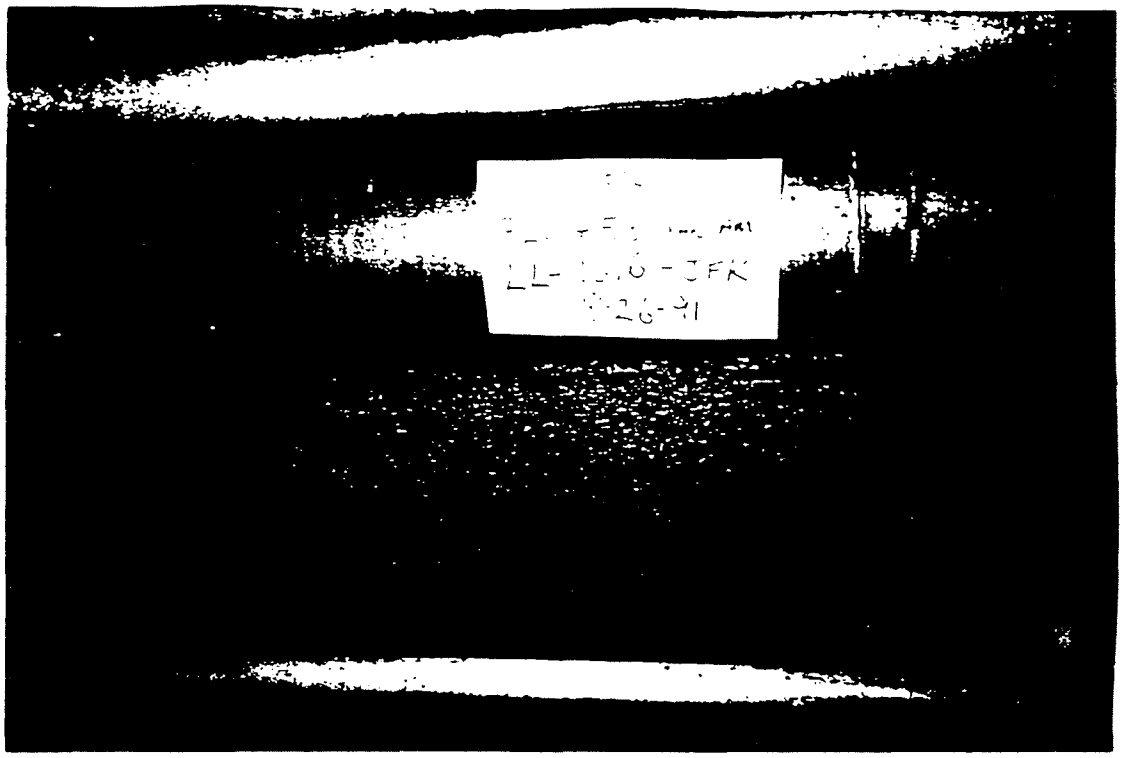

JFK Int'l Airport
BLDG 53
LL- 1380 - JFK
4 - 15 - 91

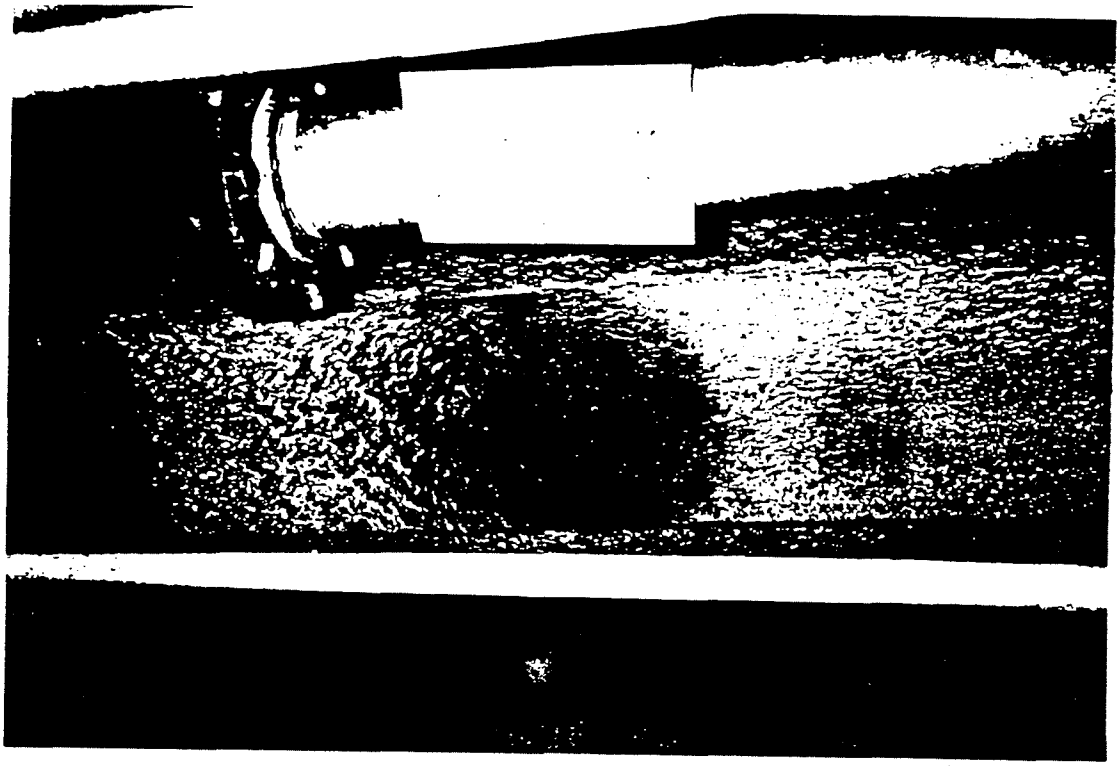

Int'l Airport
BLDG 53
1380 - JFK
4 - 15 - 91

P 702848

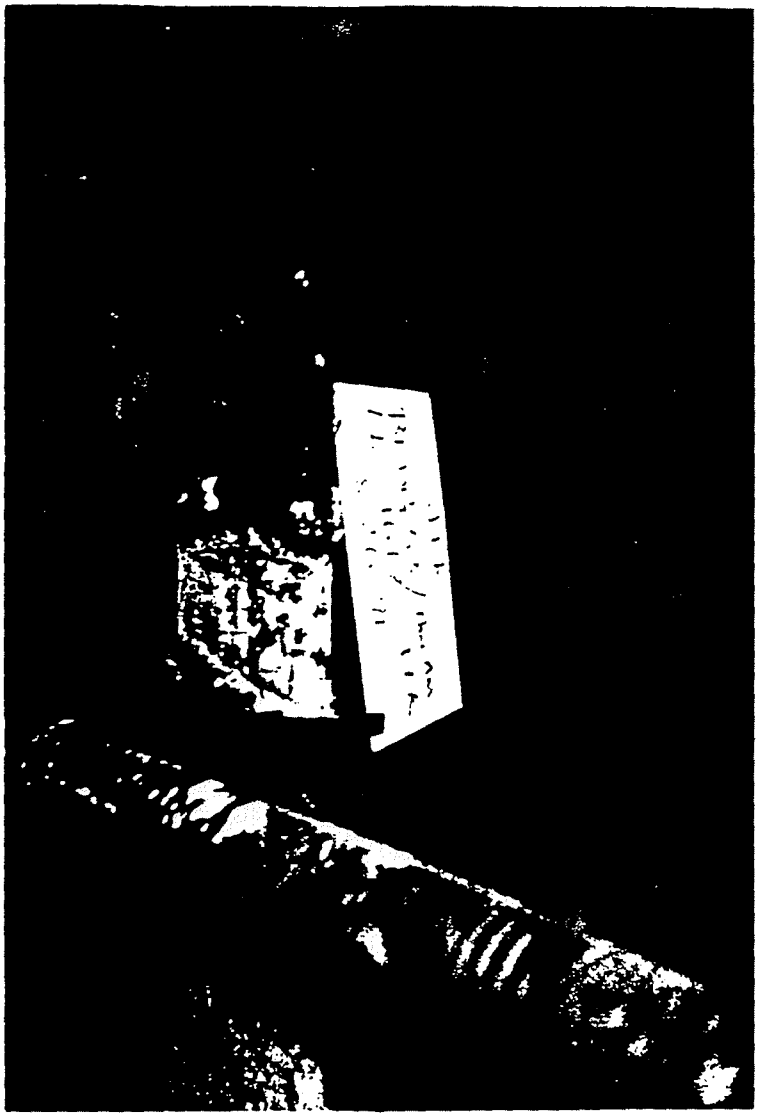


P 702849

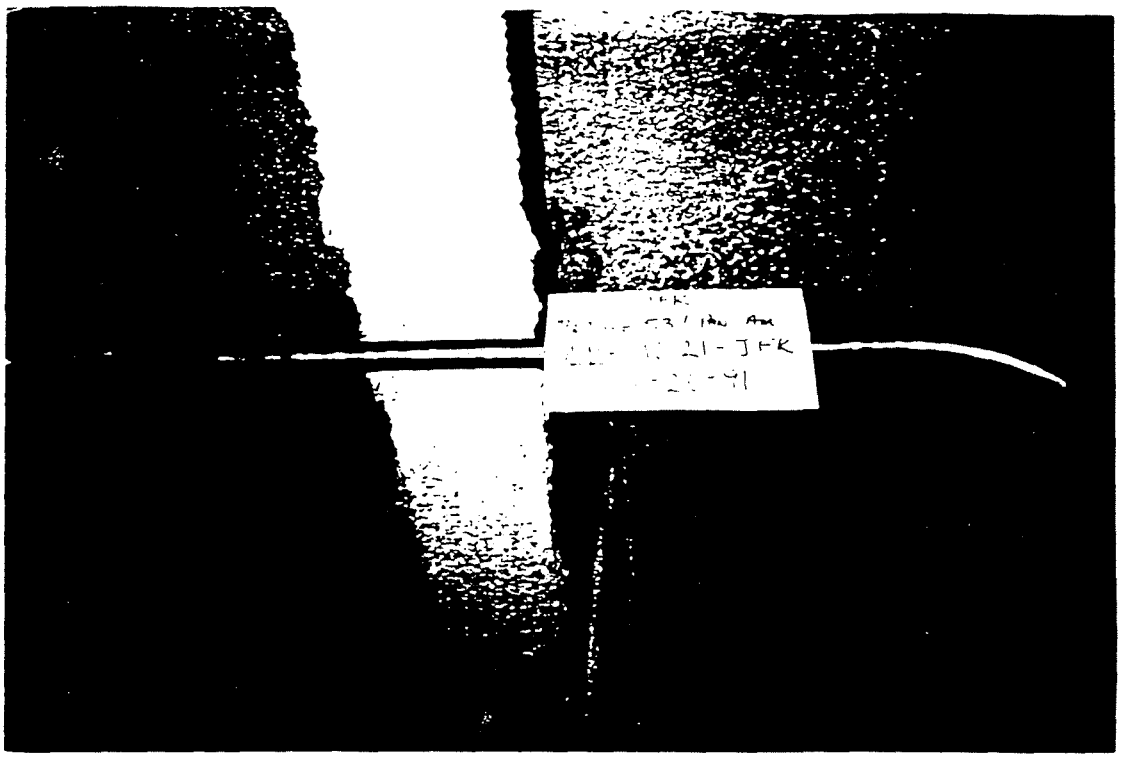


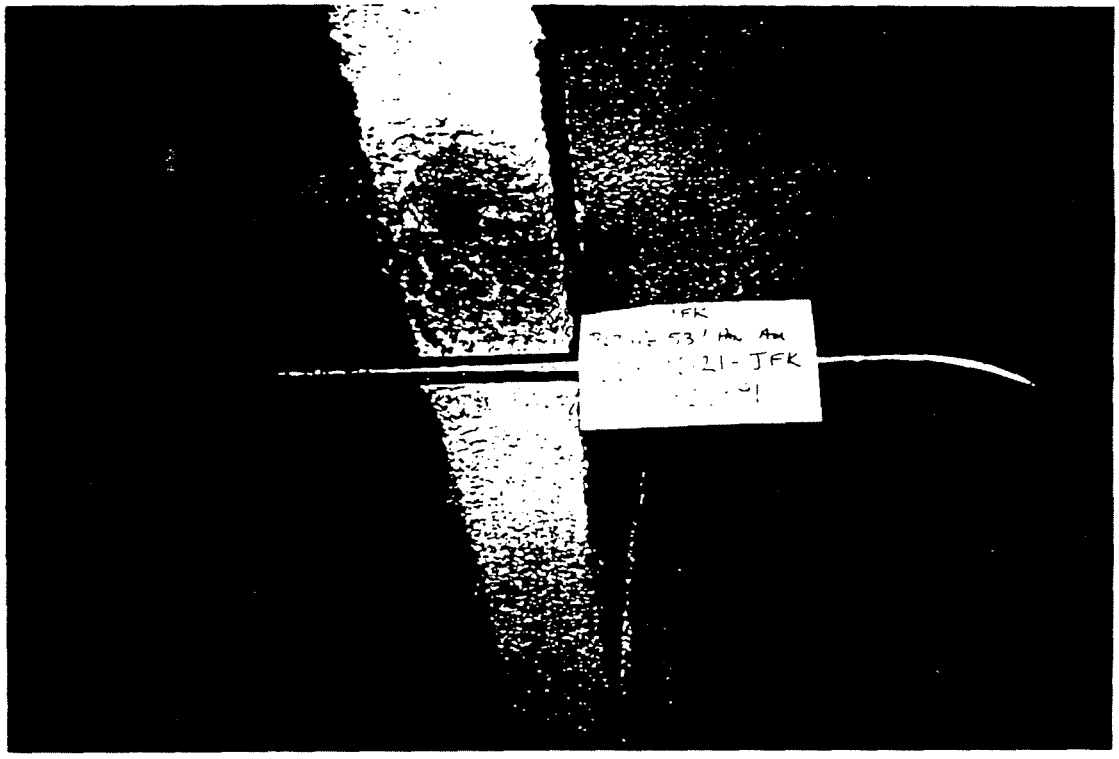


P 702850

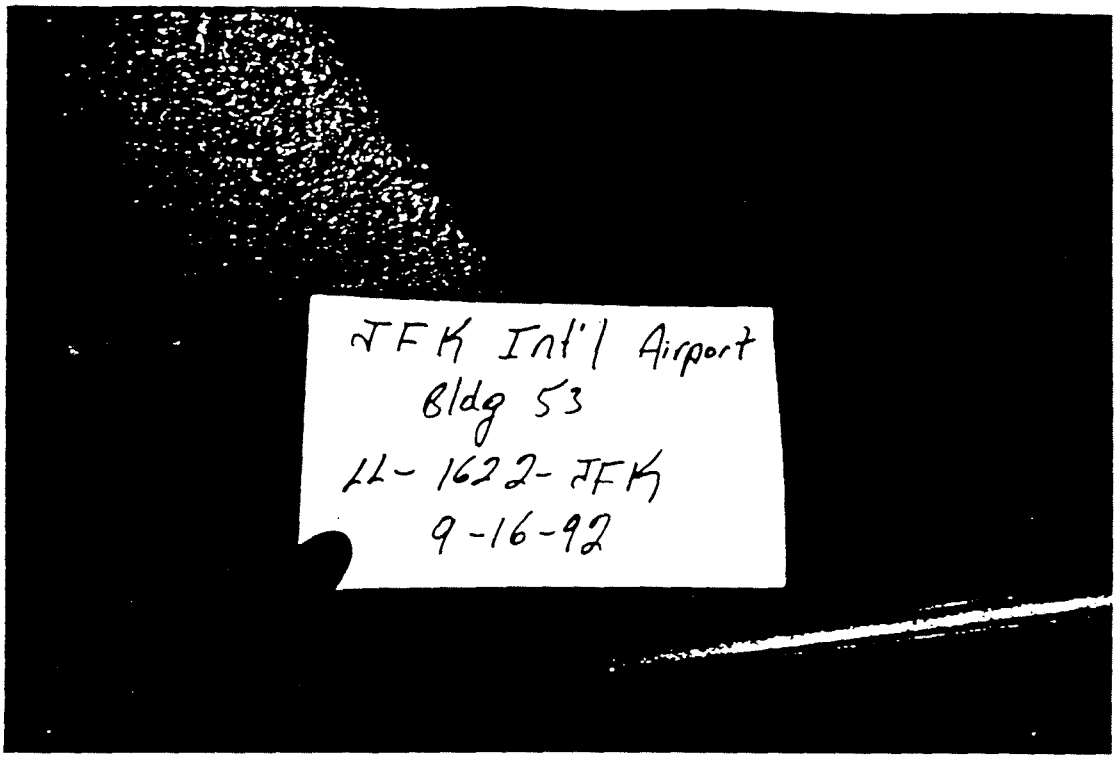


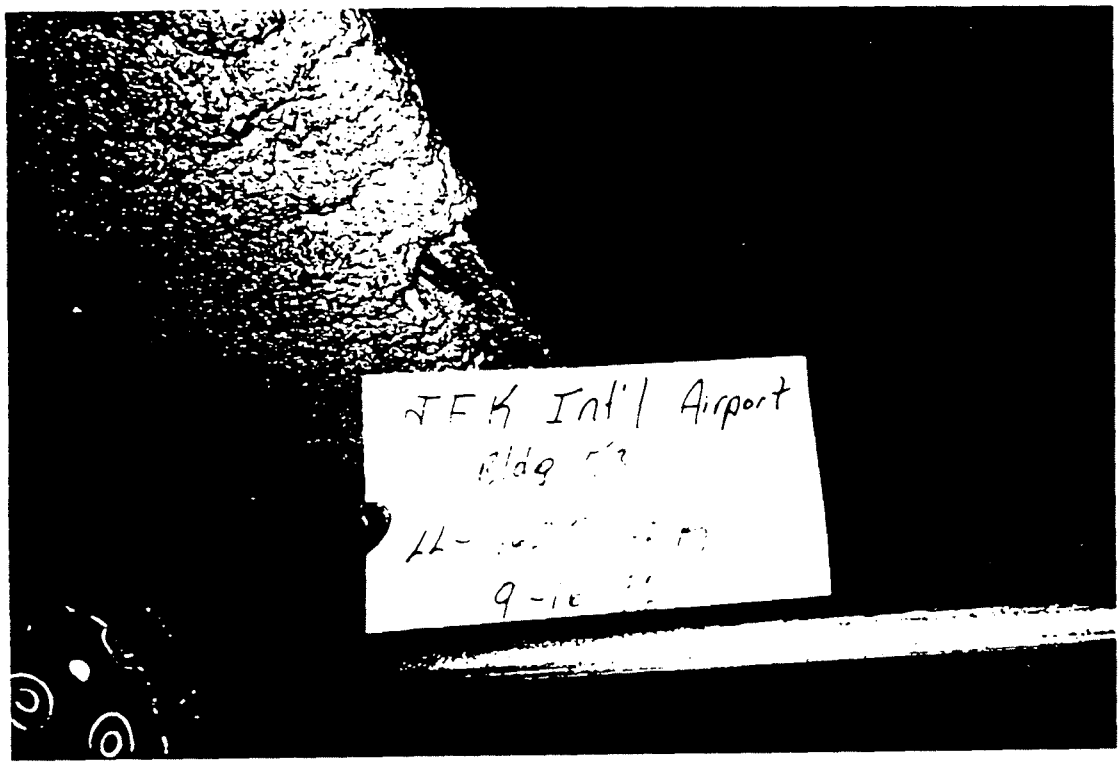
P 702851



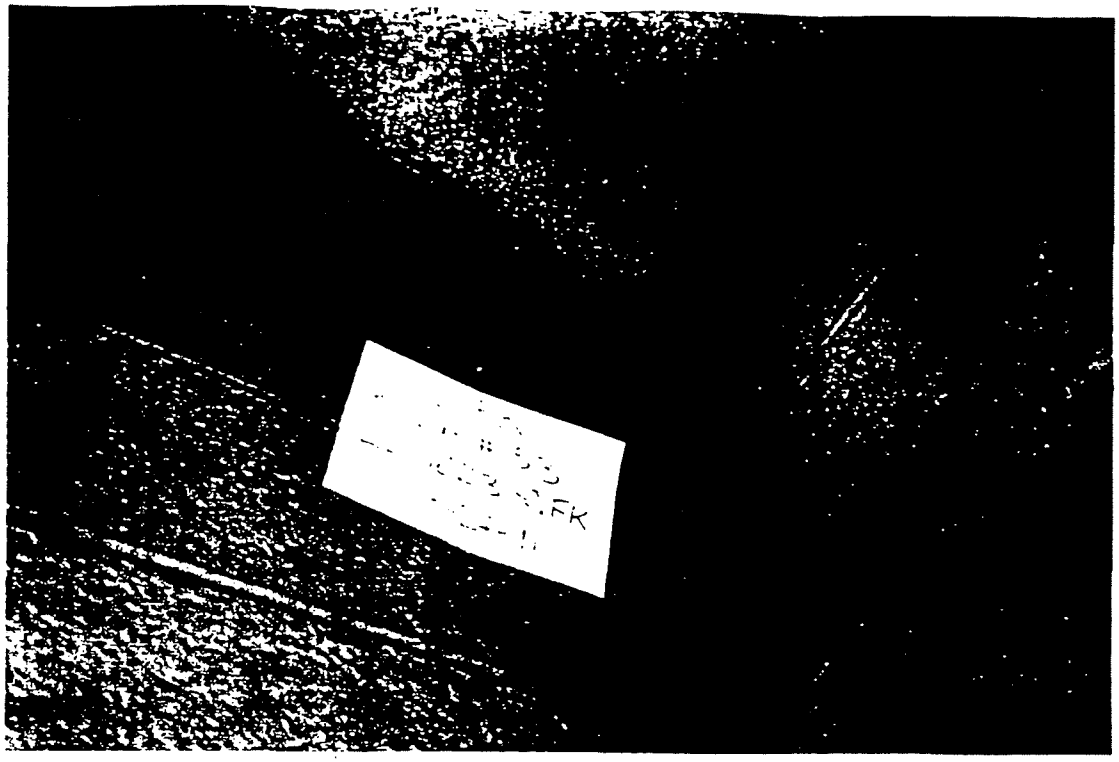


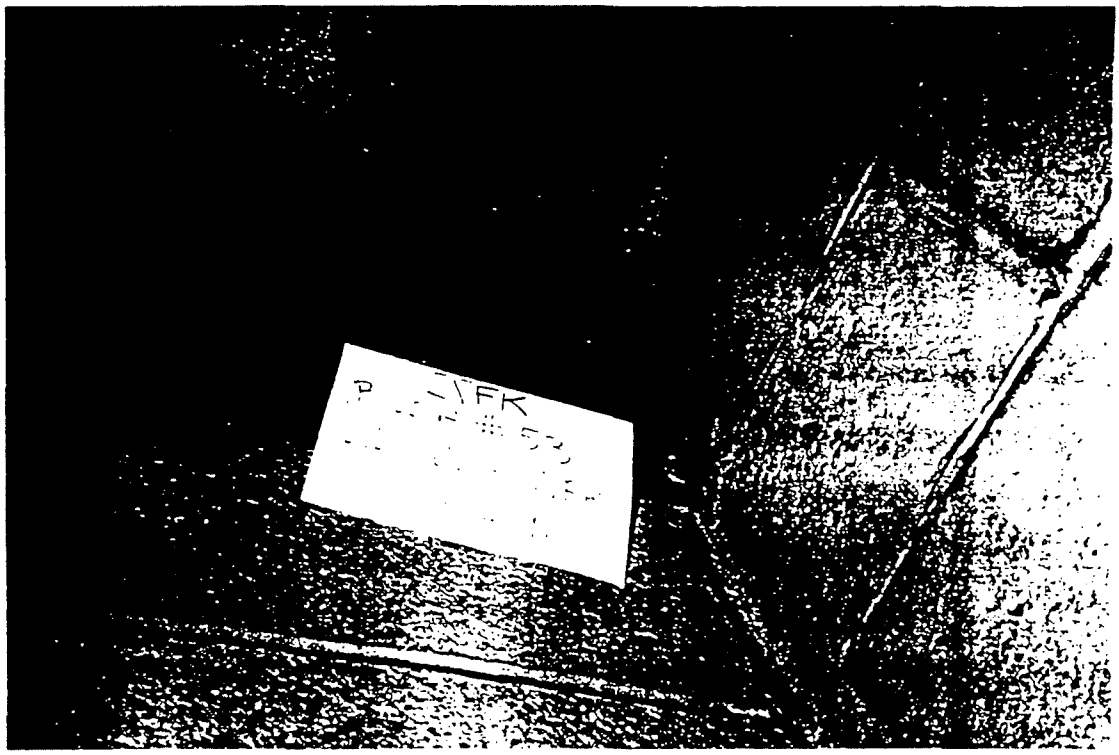
P 702852



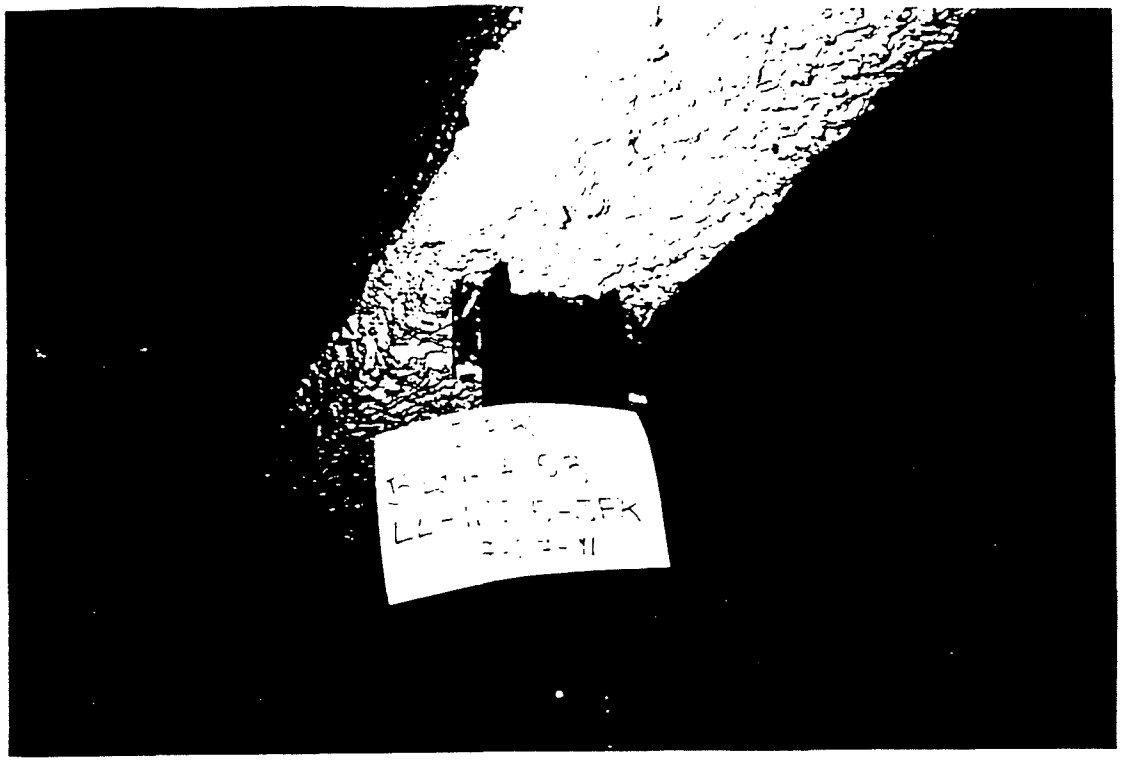


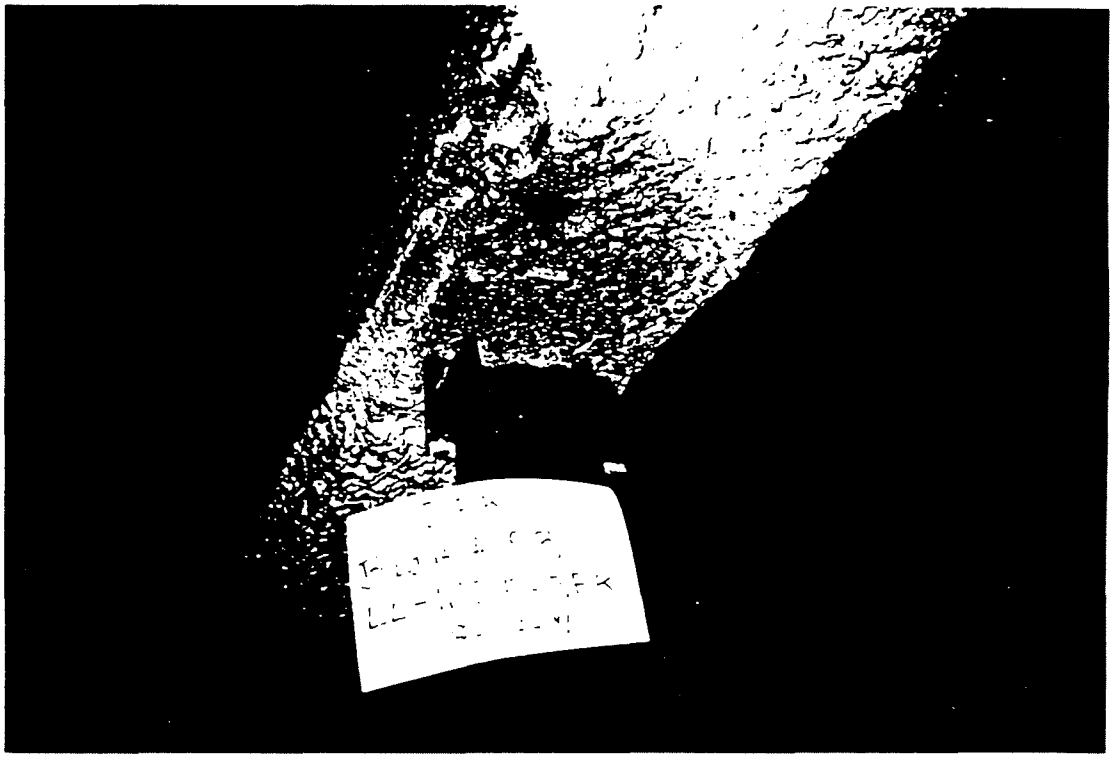
P 702853



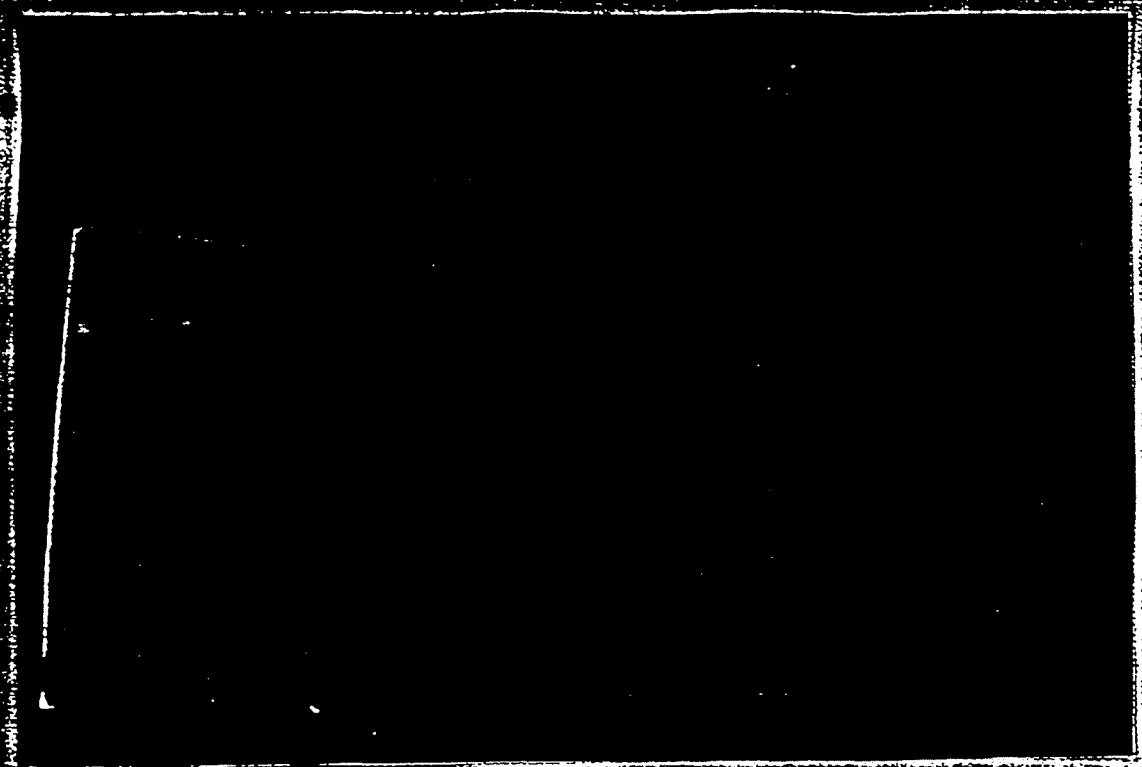


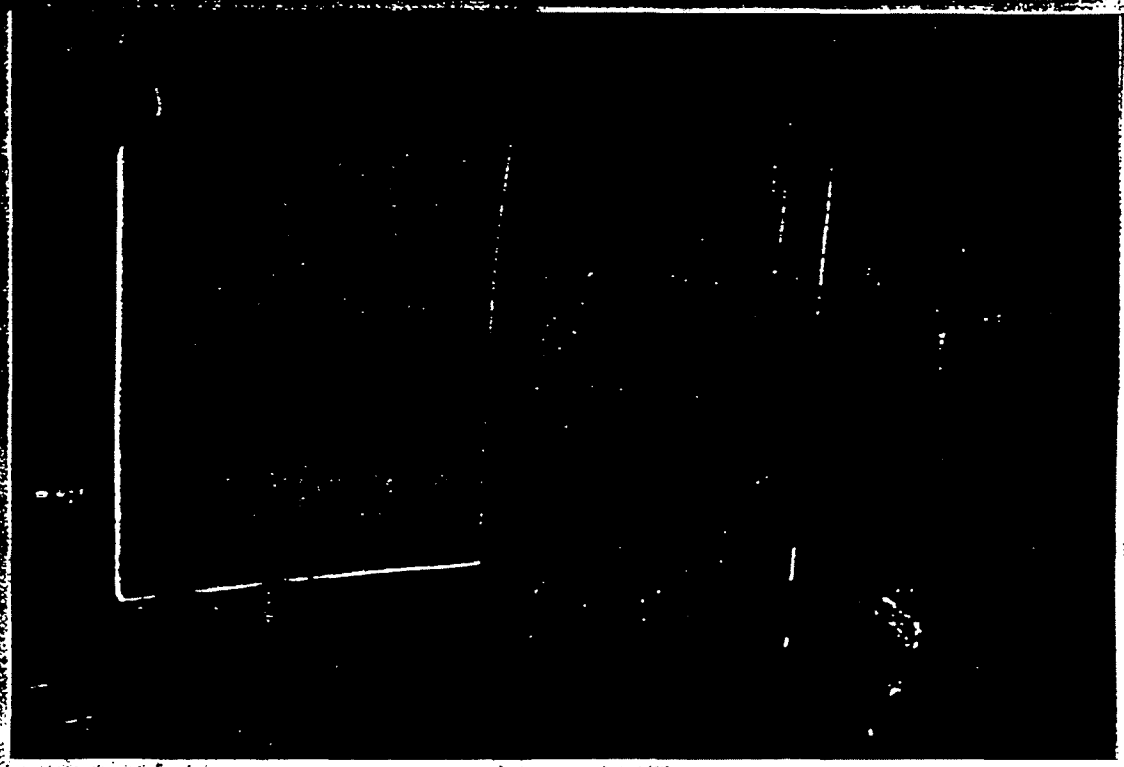
P 702854





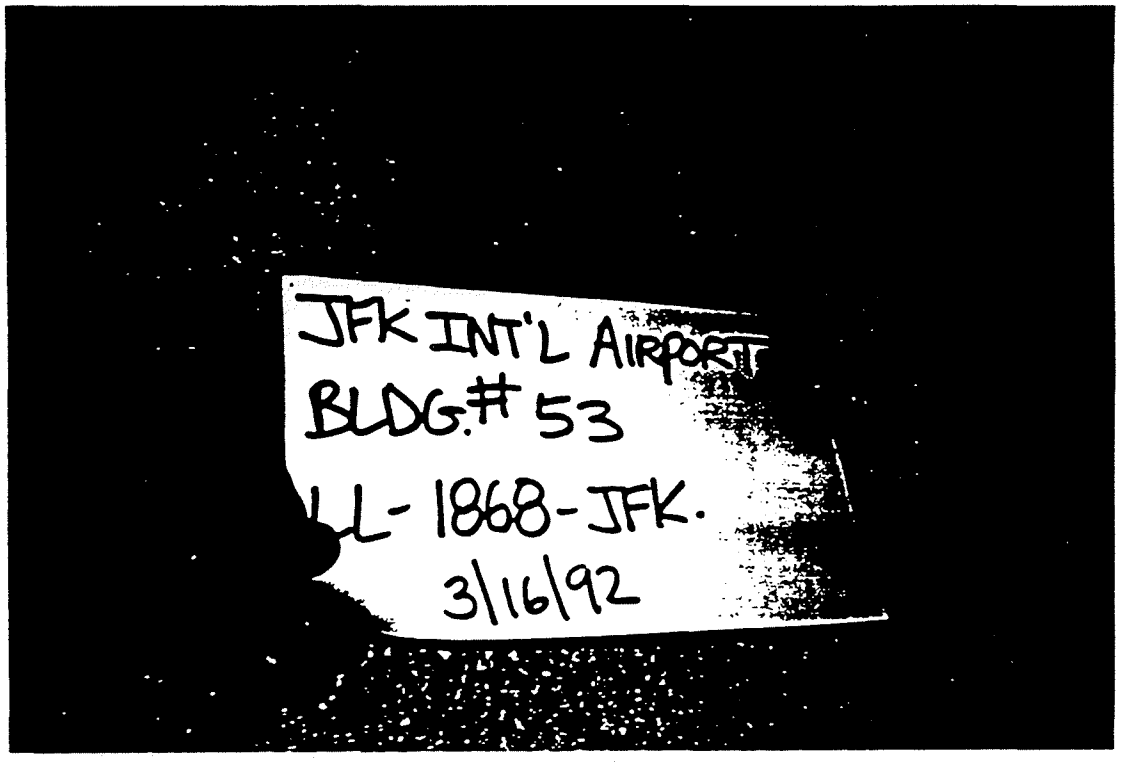
P 702855



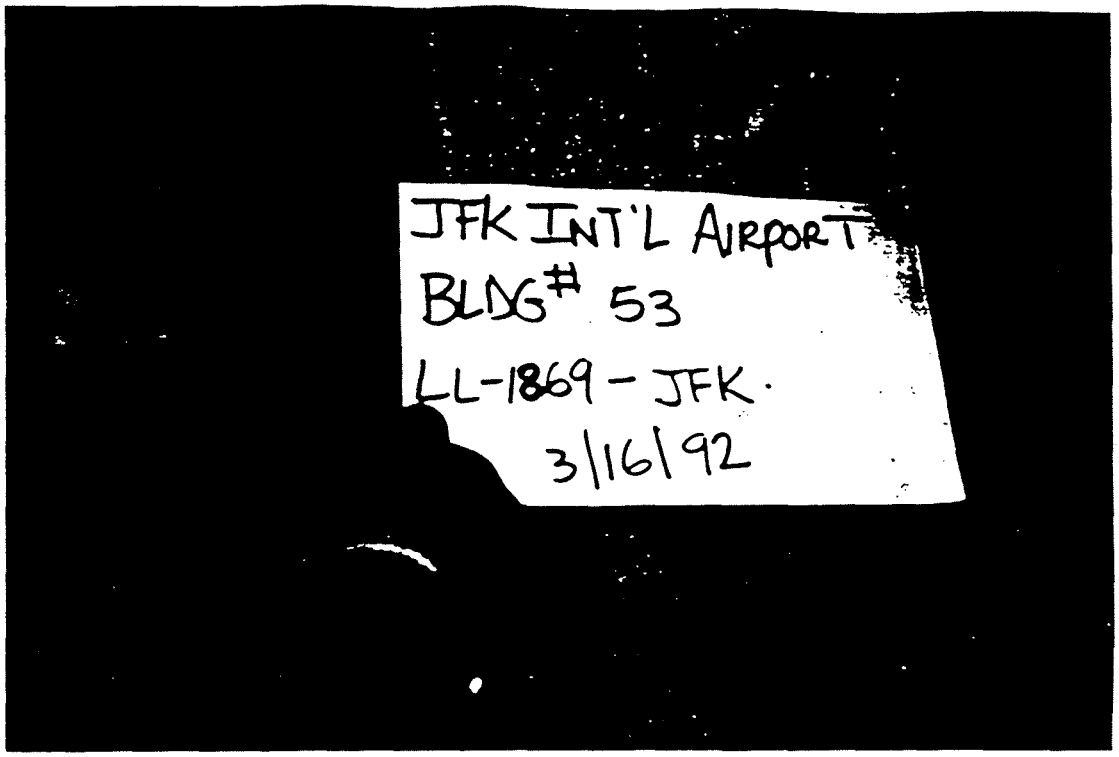


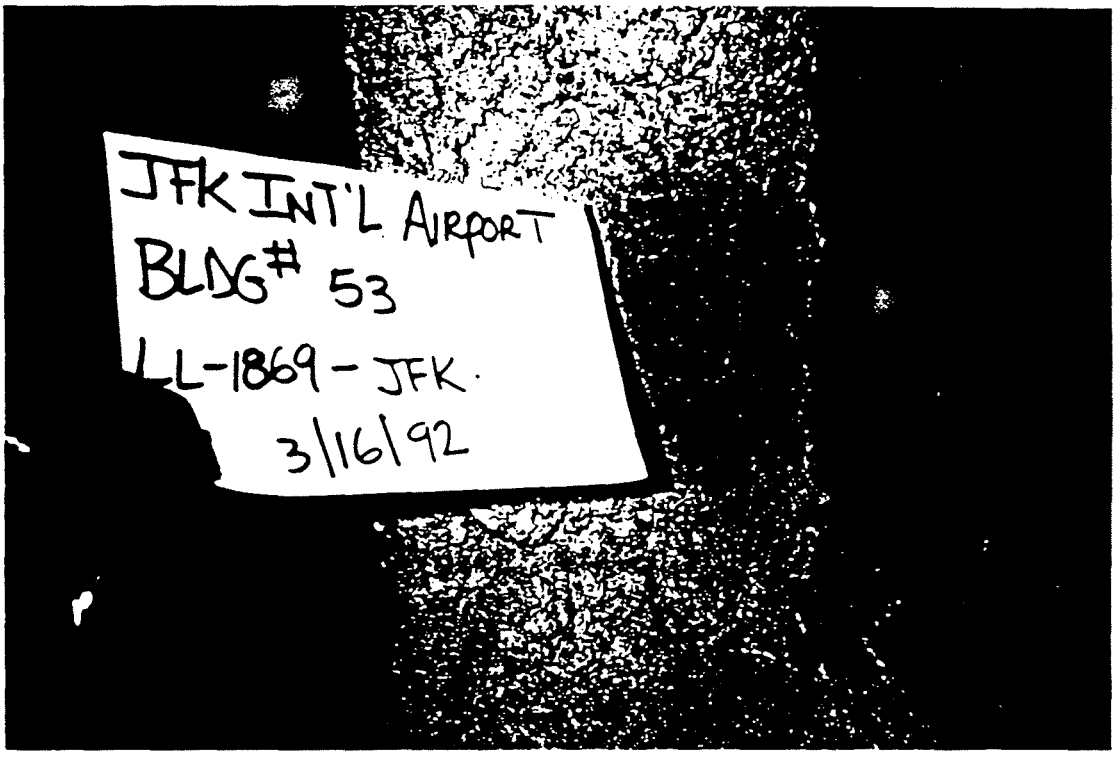
P 702856


JFK INT'L AIRPORT
BLDG.# 53
LL-1868-JFK.
3/16/92


JFK INT'L AIRPORT
BLDG.# 53
LL-1868-JFK.
3/16/92

P 702857


JFK INT'L AIRPORT
BLDG# 53
LL-1869 - JFK.
3/16/92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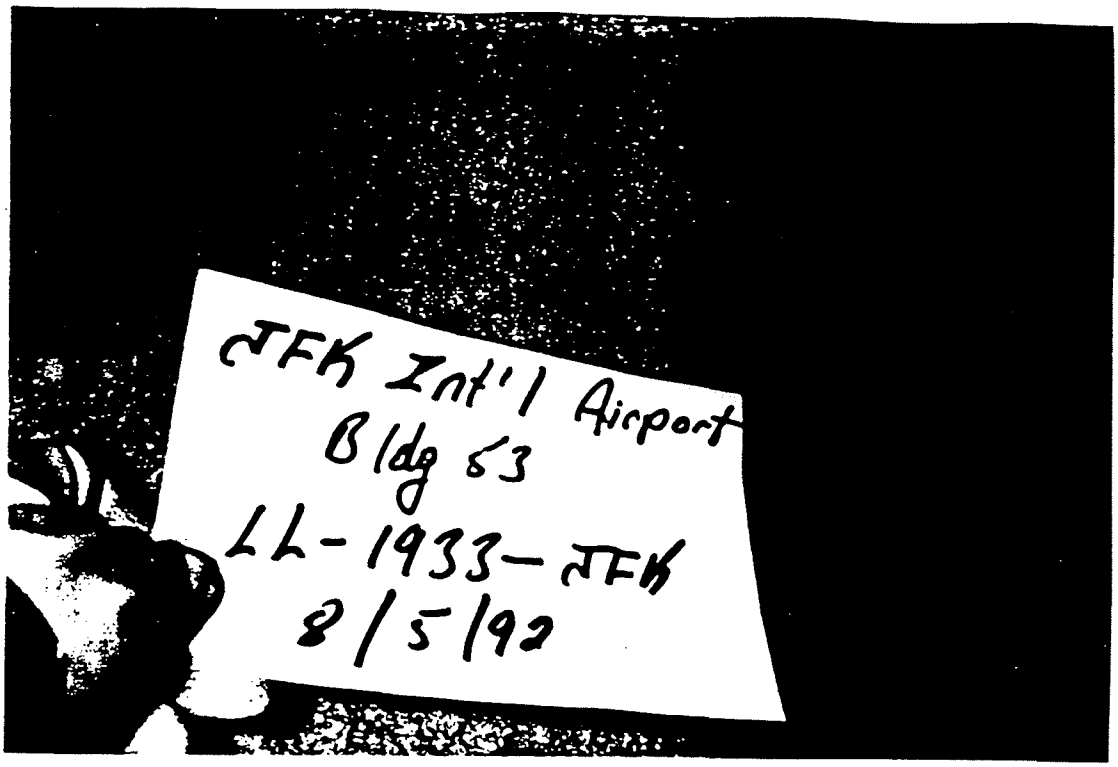
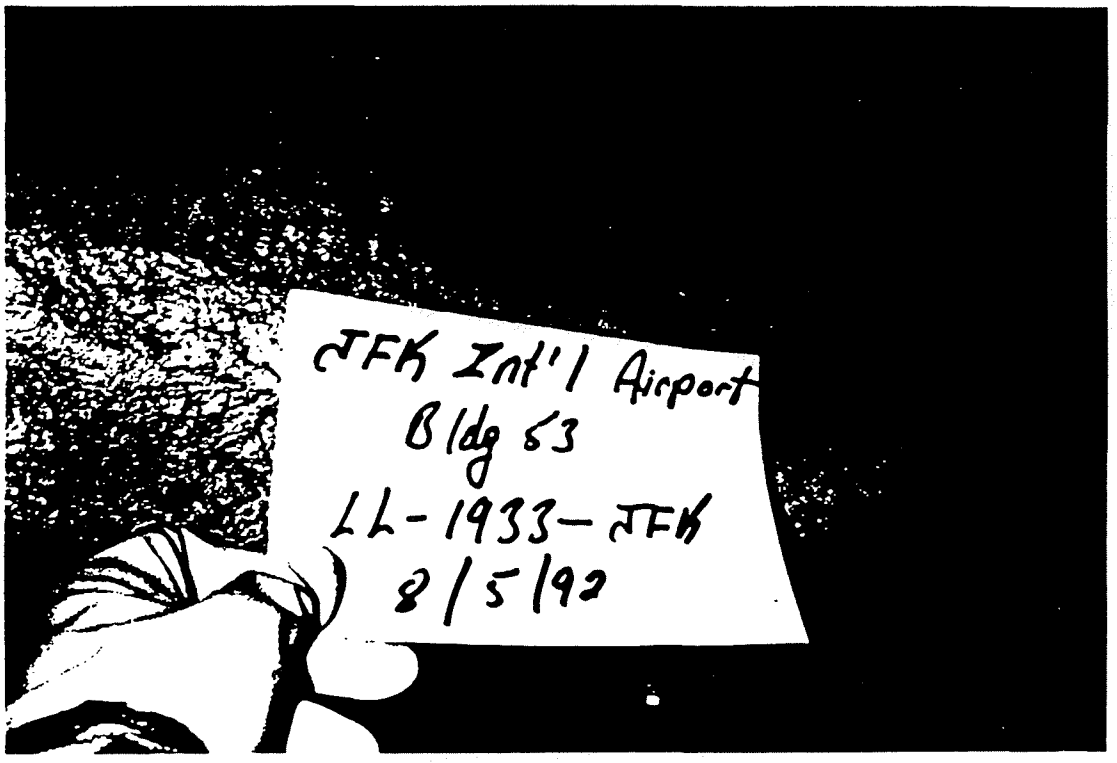
BLDG# 53
LL-1869 - JFK.
3/16/92

P 702858


JFK Int'l Airport
Bldg 63
LL-1933-JFK
8/5/92


JFK Int'l Airport
Bldg 63
LL-1933-JFK
8/5/92

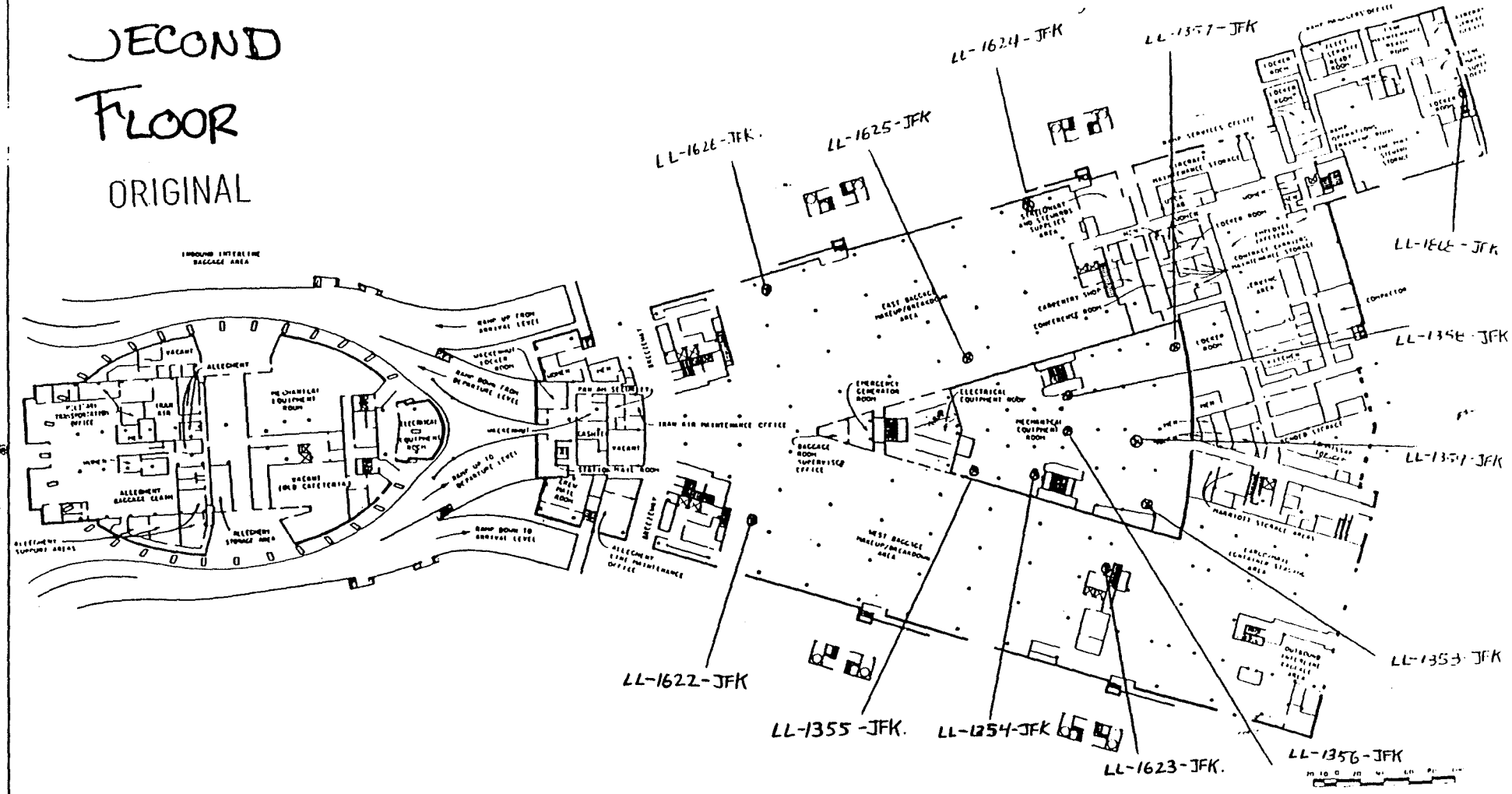
P 702859

NOTE: PLAN DOES NOT REPRESENT THE AUTHORITY APPROVED AIRCRAFT PARKING POSITIONS
PAN AM
INTERIM IMPROVEMENTS
GATE #9
J.F.K. INTERNATIONAL AIRPORT

P 702860

SECOND FLOOR

ORIGINAL



REV. DATE DESCRIPTION	PAN AMERICAN WORLD AIRWAYS, INC. AIRLINE MASTER PLAN JOHN F KENNEDY INTERNATIONAL AIRPORT NEW YORK, N.Y.	PASSENGER TERMINAL FACILITY APRON LEVEL - BUILDING 53 (EXISTING) ENGINEER / DRAWN / SUBMITTED APPROVED / APPROVED / APPROVED	PREPARED BY PAN AMERICAN TECHNICAL SERVICES, INC. 1325 N Atlantic Ave Cocoa Beach, Florida 32931

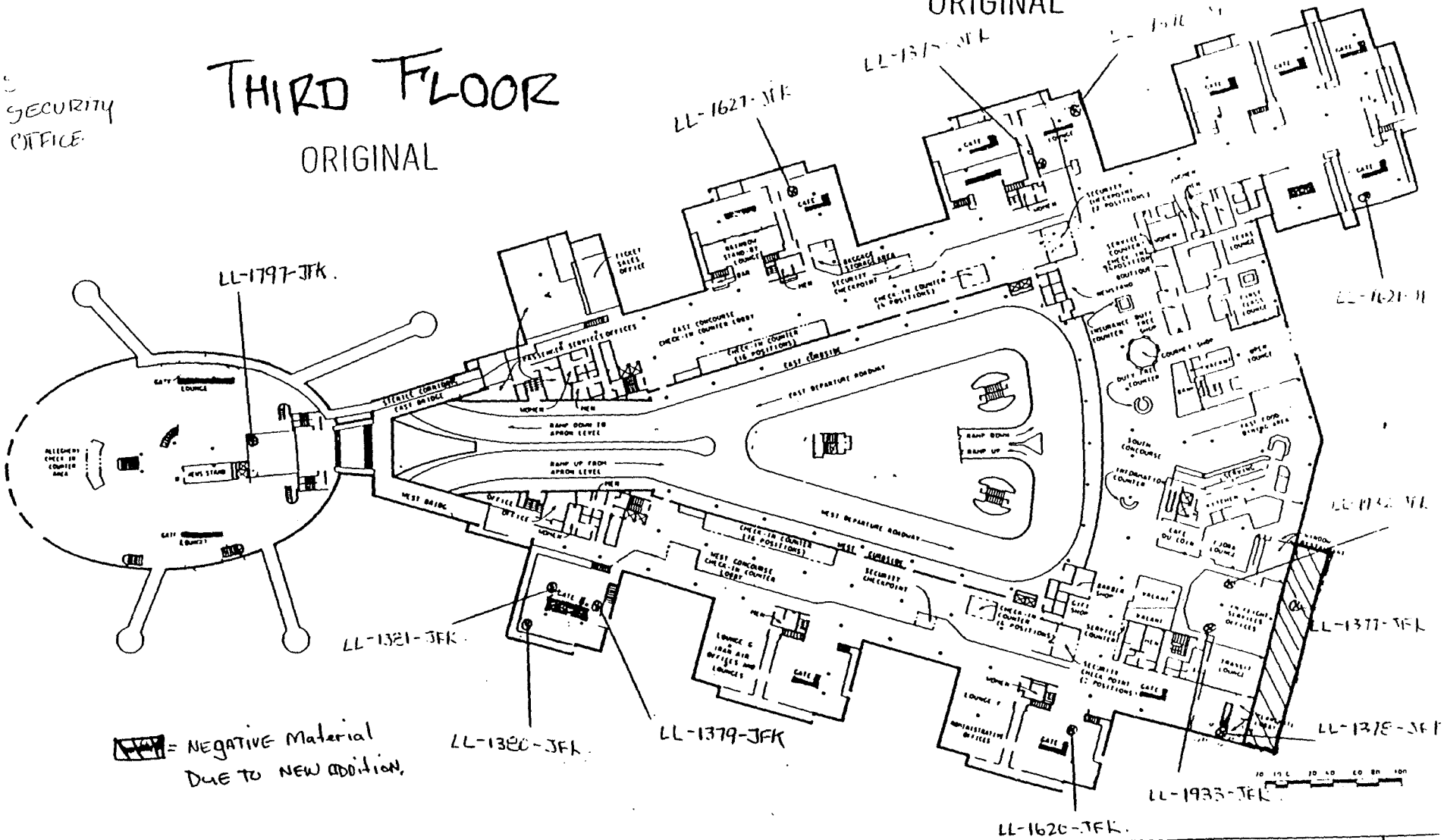
DWG 3-

P 702861

THIRD FLOOR

ORIGINAL

SECURITY OFFICE



= NEGATIVE Material DUE TO NEW ADDITION.

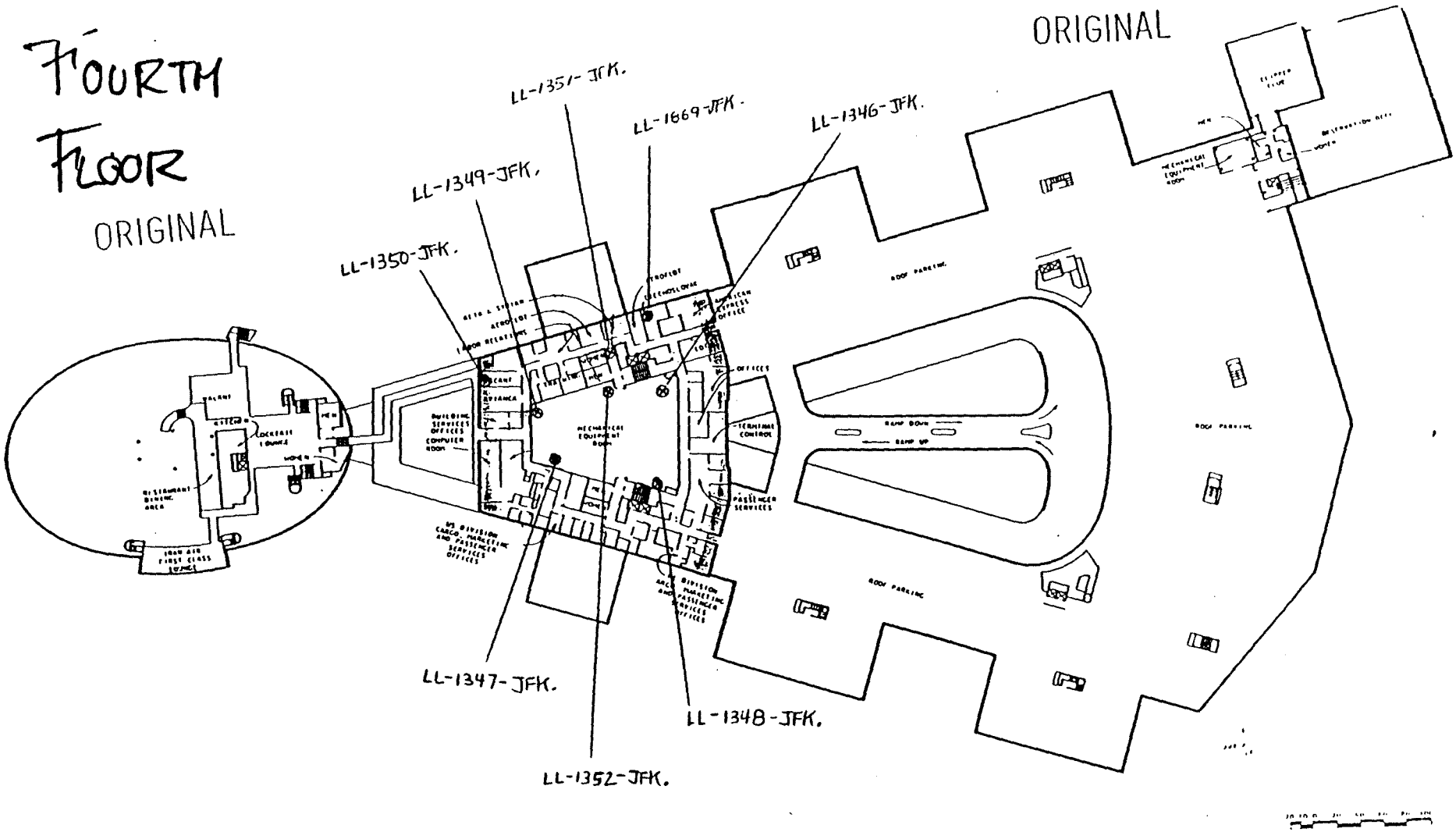
PAN AMERICAN WORLD AIRWAYS, INC. AIRLINE MASTER PLAN JOHN F KENNEDY INTERNATIONAL AIRPORT NEW YORK, N.Y.	PASSENGER TERMINAL FACILITY CONCOURSE LEVEL BUILDING 53 (EXISTING)	PREPARED BY: PAN AMERICAN TECHNICAL SERVICES, INC. 1325 N Atlantic Ave Cocoa Beach, Florida 32931	DWG 3

P 702862

FOURTH FLOOR

ORIGINAL

ORIGINAL



PAN AMERICAN WORLD AIRWAYS, INC. AIRLINE MASTER PLAN JOHN F. KENNEDY INTERNATIONAL AIRPORT NEW YORK, N.Y.	PASSENGER TERMINAL FACILITY ROOF / MEZZANINE LEVEL BUILDING 53 (EXISTING)	PREPARED BY PAN AMERICAN TECHNICAL SERVICES, INC. 1325 N. Atlantic Ave. Cocoa Beach, Florida 32931	DWG 3-1

P 702863

MATERIALS
ANALYTICAL
SERVICES

September 21, 1992

Mr. Kevin Bleach
The Port Authority of New York & New Jersey
One World Trade Center, 37E
New York, NY 10048

RE: JFK Airport Facility/Building 53

Dear Mr. Bleach:

We have completed our bulk analysis for the two non-asbestos containing fireproofing samples that we received from the above referenced project.

Our analysis shows that sample # LL-1377-JFK-B was consistent with W.R. Grace's Monokote-5 and sample # LL-1609-JFK-C was consistent with W.R. Grace's Monokote-4.

If you have any questions about our report, please do not hesitate to give me a call.

Sincerely,

William E. Longo, Ph.D.
President

WEL:lcj

P 702864

gh Office:
4418 Blue Ridge Road • Suite 105
Raleigh, North Carolina 27607
(919) 881-7708 • FAX (919) 881-8227

Atlanta Office:
3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 • FAX (404) 368-8256

MATERIALS ANALYTICAL SERVICES

MAS CHAIN-OF-CUSTODY

Client: PORT AUTHORITY OF NY & NJ

Contact: KEVIN BLEACH

Phone #: (212) 435-6145

Mas Job #: M8219

Date Recd: 4/2/92

Client PO: JFK AIRPORT FACILITY/BUILDING 53

BULK SAMPLE ANALYSIS

SAMPLE NUMBER(S)

1) LL-1347-JFK-C
2) " 57 " B
3) " 68 " B
4) " 76 "
5) " 77 "
6) " 80 " C
7) " 1615-JFK-A
8) " 6 B
9) " 7 " C
10) " 9 "
11) LL-1621-JFK-C
12) " 2 "
13) " 3 " B
14) " 5 C
15) " 1797 " X
16) " 1868 " A
17) " 9 "
18)
19)
20)

Samples Relinquished By: KEVIN BLEACH

Samples Recd. By: [signature]

Time: 2:00 PM

Condition of Samples: O.K.

Client Docs: 4 COVER LETTER (ORIG. IN M8181), 17 COC, UPS

Init File Rev:

Sample Prep by: Date:

Sample Analysis: Date:

Report(s) Sent: Date:

Sample(s) Ret. By: Date:

3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 FAX (404) 368-8256

P 702865

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

Project # - Spl #: M8219-5 Date: 23APR92

Project Name: Port Authority of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53
LL-1377-JFK-B

Gross Visual Description: Lt. brown with straight rods, golden flakes, ribbony fibers, and fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology			
Pleochroism			
Refractive Index			
Sign of Elongation			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	NAD
Amosite	
Crocidolite	
Tremolite/Actinolite	
thophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	9
Cellulose	10
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	22
Other	
Binders	59

Gypsum, fine grain aggregate

EFFERVESCENCE: Moderate

COMMENTS: Ribbony Cellulose Observed. Woody shreds not Observed.

P 702866

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

Project # - Spl #: M8219-10 Date: 24APR92

Project Name: Port Authority of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53
LL-1619-JFK-C

Gross Visual Description: Lt. Brown with golden flakes, fine grain matrix, and occasional ribbony fibers. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	✓		
Pleochroism			
Refractive Index			
Sign of Elongation			
Extinction			
Birefringence			
Melt			
Fiber Name			

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	NAO
Amosite	
Crocidolite	
Tremolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	2
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	33
Other	
Binders	65

Gypsum, some carbonate, fine grain aggregate.

EFFERVESCENCE: low to moderate

COMMENTS: No Starch Observed.

P 702867

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler: A. Wilmoth Sample Number: LL-1377-JFK-B Date Sample Taken: 4.15.91

Building Number/Name: 53 Facility: JFK

Sample delivered and secured within sample storage room by: [signature] date/time: 4.15.91/2400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: C. [signature] date/time: 4-16-91 0300

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [signature] date/time: 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory: [signature]/MAS date/time: 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702868

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBREVILLE Sample Number LL-1619-JFK-C Date Sample Taken 8/28/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambreville date/time 8/27/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin Rhodes date/time 8/30/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Ron Rhodes date/time 4/1/92 16

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory Jane K. Ku IMAS date/time 4-2-21
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

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WTC STORAGE ROOM

MATERIALS ANALYTICAL SERVICES

MAS CHAIN-OF-CUSTODY

Client: PORT AUTHORITY OF NY & NJ

Contact: KEVIN BLEACH

Phone #: (212) 435-6145

Mas Job #: M8219

Date Recd: 4/2/92

Client PO: JFK AIRPORT FACILITY/BUILDING 53

BULK SAMPLE ANALYSIS

SAMPLE NUMBER(S)

1) LL-1347-JFK-C
2) " 57 " B
3) " 68 " B
4) " 76 "
5) " 77 "
6) " 80 " C
7) " 1615-JFK-A
8) " 6 B
9) " 7 " C
10) " 9 "
11) LL-1621-JFK-C
12) " 2 "
13) " 3 " B
14) " 5 C
15) " 1797 " X
16) " 1868 " A
17) " 9 "
18)
19)
20)

Samples Relinquished By: KEVIN BLEACH

Samples Recd. By: [signature]

Time: 2:00 PM

Condition of Samples: O.K.

Client Docs: 4 COVER LETTER (ORIG. IN M8181), 17 COC, UPS

Init File Rev:

Sample Prep by: Date:

Sample Analysis: Date:

Report(s) Sent: Date:

Sample(s) Ret. By: Date:

P 702870

3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 FAX (404) 368-8256

MATERIALS ANALYTICAL SERVICES

MAS CHAIN-OF-CUSTODY

Client: PORT AUTHORITY OF NY & NJ

Contact: KEVIN BLEACH

Phone #: (212) 435-6145

Mas Job #: M9084

Date Recd: 8/19/92

Client PO: JFK AIRPORT FACILITY/BLDG 53

BULK SAMPLE ANALYSIS

SAMPLE NUMBER(S)

1) LL-1933-JFK-A
2)
3)
4)
5)
6)
7)
8)
9)
10)
11)
12)
13)
14)
15)
16)
17)
18)
19)
20)

Samples Relinquished By: KEVIN BLEACH

Samples Recd. By: Jane K. [illegible]

Time: 2:00 PM

Condition of Samples: O.K.

Client Docs: 2 COVER LETTER (ORIG. IN M9065), 1 COC, UPS

Init File Rev:

Sample Prep by: Date:

Sample Analysis: Date:

Report(s) Sent: Date:

Sample(s) Ret. By: Date:

P 702871

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Blue Ridge Road • Suite 105
igh, North Carolina 27607
) 881-7708 • FAX (919) 881-8227

Atlanta Office:
3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 • FAX (404) 368-8256

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ject # - Spl #: M8219-1 Date: 23APR92

oject Name: PORT AUTHORITY of NY & NJ Analyst: SJB

ample Identification: JFK Airport Facility / Building 53

LL-1347-JFK-C

ross Visual Description: Lt brown with golden flakes, wavey white fibers/ bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavey		
Pleochroism	None Ob.		
Refractive Index	1.545/1.555		
Sign of Elongation	+		
Extinction	//		
Birefringence	low		
Melt	—		
Fiber Name	Chrysotile		

ASBESTOS MINERALS: Est. Vol. %

hrysotile	11
mosite	
idolite	
olite/Actinolite	
nthophyllite	

THER FIBROUS COMPONENTS:

ineral/Rock wool	
ibrous glass	
ellulose	
ynthetic	
ther	

ON-FIBROUS COMPONENTS:

erlite	
ermiculite	42
ther	
inders	47

Gypsum, Fine grain aggregate.

FFERVESCENCE: low (isolated)

MENTS: No Starch Observed

P 702872

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ɔject # - Spl #: M8219-2 Date: 23APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1357-JFK-B

Gross Visual Description: lt. Brown with golden flakes, wavery white fibers bundles, fine grain aggregate. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavery
Pleochroism	None to.
Refractive Index	1.545/1.555
Sign of Elongation	+
Extinction	∥
Birefringence	low
Melt	—
Fiber Name	Chrysotile

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	10
Amosite	
ocidolite	
amolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	34
Other	
Binders	56

Gypsum, fine grain aggregate

EFFERVESCENCE: weak (isolated)

MMENTS: No Starch Observed.

P 702873

:plicate_____ Replicate ✓

MATERIALS ANALYTICAL SERVICES, INC.

BULK (PLM) QUALITY CONTROL ANALYSIS SHEET

:ct # - Spl #: M8219-2 Date: 30 July 92

: Analyst: SMF

: Analyst's Signature: [signature]

:oss Visual Description: lt. brown with golden flakes, various white fibers/bundles, fine grain aggregate No Paint Ob.

Optical Data for Asbestos Identification

Morphology	Various		
Pleochroism	None Ob		
Refractive Index	1.545/1.554		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

;BESTOS MINERALS:	Est. Vol. %
ırysotile	9
:te	
.dolite	
:emolite/Actinolite	
ıthophyllite	

:HER FIBROUS COMPONENTS:	
ineral/Rock wool	
ibrous glass	
ellulose	
/nthetic	
:her	

)N-FIBROUS COMPONENTS:	
erlite	
ermiculite	41
:her	
inders	50

Gypsum, fine grain aggregate

FFERVESCENCE: None Ob

ENTS: No Starch Ob

P 702874

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

oject # - Spl #: M8219-3 Date: 23APR92

roject Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53
LL-1368-JFK-B

Gross Visual Description: lt. Brown with golden flakes, wavey white fibers / bundles, Fine grain matrix. No Paint Observed. Surface Staining (orangeish) Ob.

Optical Data for Asbestos Identification

Morphology	Wavey		
Pleochroism	None ob.		
Refractive Index	1.5451.5554		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt	—		
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	9
Amosite	
Crocidolite	
Tremolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	34
Other	
Binders	47

Gypsum, Fine grain aggregate with localized Carbonates

EFFERVESCENCE: low to moderate

COMMENTS: No Starch observed.

P 702875

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

›ject # - Spl #: M8219-4 Date: 23APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1376-JFK-B

Gross Visual Description: lt. brown with wavey white fibers / bundles, golden flakes, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavey		
Pleochroism	None Obs.		
Refractive Index	1.545/1.555		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	11
›osite	
›cidolite	
__emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	38
Other	
Binders	51

Gypsum, fine grain aggregate.

EFFERVESCENCE: Weak + Isolated.

MMENTS: No Starch Observed.

P 702876

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ɔject # - Spl #: M8219-6 Date: 23APR92

..oject Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1380-JFK-6

Gross Visual Description: tan brown with golden flakes, wavery white fibers/bundles, gold fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavery			
Pleochroism	None Ob.			
Refractive Index	1.54 < L < 1.555			
Sign of Elongation	+			
Extinction	∥			
Birefringence	low			
Melt	—			
Fiber Name	Chrysotile			

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	8
Amosite	
ɔcidolite	
ɜmolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	35
Other	
Binders	57

Gypsum, fine grain aggregate.

EFFERVESCENCE: low; isolated + quick.

ɔMMENTS: No Starch Observed

P 702877

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ɔject # - Spl #: M8219-7 Date: 23APR92

rroject Name: Port Authority of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1615-JFK-A

Gross Visual Description: lt. brown with golden flakes, wavey white fibers / bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavey		
Pleochroism	None ob.		
Refractive Index	1.545±1.555		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt	—		
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	10
⁻ɔosite	
ɔcidolite	
.emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	35
Other	
Binders	55

Gypsum, occasional Carbonates, and fine grain aggregate.

EFFERVESCENCE: low to Moderate. localized.

ɔMMENTS: No Starch Observed.

P 702878

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

oject # - Spl #: M8219-8 Date: 24APR92

rroject Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1616-JFK-B

Gross Visual Description: lt brown with golden flakes, wavey white fibers / bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavey
Pleochroism	None Ob.
Refractive Index	1.54 SLI. 1.555 SLI
Sign of Elongation	+
Extinction	∥
Birefringence	low
Melt	—
Fiber Name	chrysotile

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	8
mosite	
ocidolite	
emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	38
Other	
Binders	54

Gypsum, fine grain aggregate.

EFFERVESCENCE: low (isolated)

MMENTS: No Starch Observed. Rusty flakes ob.

P 702879

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

Project # - Spl #: M8219-9 Date: 24APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-~~1607~~ 1617 SFB JFK-c

Gross Visual Description: It brown with golden flakes, wavery white fibers/bundles, fine grain matrix. Painted Black.

Optical Data for Asbestos Identification

Morphology	Wavery		
Pleochroism	None Obs.		
Refractive Index	1.545-1.555*		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Amosotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	8
Amosite	
Crocidolite	
Tremolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	37
Other	
Binders	55

Gypsum, occasional Carbonate, fine grain aggregate.

EFFERVESCENCE: low to moderate.

COMMENTS: No Starch Observed.

P 702880

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ject # - Spl #: M8219-11 Date: 24APR92

Project Name: Port Authority of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1621-JFK-C

Gross Visual Description: lt. brown with golden flakes, wavy white fibers/ bundles, fine grain ~~matrix~~. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavery		
Pleochroism	None Ob.		
Refractive Index	1.54 & 1.556		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS: Est. Vol. %

Chrysotile 9
[illegible]osite . . . . . .
[illegible]cidolite . . . . . .
[illegible]molite/Actinolite . . . . . .
Anthophyllite . . . . . .

OTHER FIBROUS COMPONENTS:

Mineral/Rock wool . . . . . .
Fibrous glass . . . . . .
Cellulose . . . . . .
Synthetic . . . . . .
Other

NON-FIBROUS COMPONENTS:

Perlite . . . . . .
Vermiculite 42
Other

Binders 49

Gypsum, fine grain aggregate.

EFFERVESCENCE: low (isolated)

[illegible]MENTS: No Starch Observed

P 702881

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ɔject # - Spl #: M8219-12 Date: 24APR92

rroject Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1622-JFK-C

Gross Visual Description: lt. Brown with golden flakes, wavey white fiber / bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavey		
Pleochroism	None Ob.		
Refractive Index	1.545-1.555		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	11
Amosite	
Crocidolite	
Tremolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	39
Other	
Binders	50

Gypsum, fine grain aggregate.

EFFERVESCENCE: weak (isolated)

COMMENTS: No Starch Observed.

P 702882

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ject # - Spl #: M8219-13 Date: 24APR92

Project Name: Port Authority of NY & NJ Analyst: SF

Sample Identification: JFK Airport Facility / Building 53

LL-1623-JFK-B

Gross Visual Description: lt. Brown with golden flakes, wavy white fibers / bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification

Morphology	Wavy			
Pleochroism	Non Oh,0			
Refractive Index	1.545/1.555			
Sign of Elongation	+			
Extinction	∧			
Birefringence	low			
Melt	—			
Fiber Name	Chrysotile			

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	9
...site	
...cidolite	
...emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	31
Other	
Binders	60

Gypsum, fine grain aggregate

EFFERVESCENCE: low (isolated)

...MENTS: No Starch Observed.

P 702883

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ɔject # - Spl #: M8219-14 Date: 24APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SG

Sample Identification: JFK Airport Facility / Building 53

LL-1625-JFK-C

Gross Visual Description: lt. brown with golden flakes, wavey white fibers / bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification			
Morphology	Wavey		
Pleochroism	None obs.		
Refractive Index	1.545-1.555		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	8
⁻osite	
ɔcidolite	
emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	40
Other	
Binders	52

Gypsum, fine grain aggregate.

EFFERVESCENCE: low + isolated.

ᴹMMENTS: No Starch Observed.

P 702884

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

›ject # - Spl #: M8219-15 Date: 24APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: S.F.

Sample Identification: JFK Airport Facility / Building 53

LL-1797-JFK-X

Gross Visual Description: lt. brown with golden flakes, wavy white fibers / bundles, fine grain matrix. Painted Black.

Optical Data for Asbestos Identification

Morphology	Wavy		
Pleochroism	None Obs.		
Refractive Index	1.545 || 555 ⊥		
Sign of Elongation	+		
Extinction	||		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	9
›osite	
›cidolite	
..emolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:

Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:

Perlite	
Vermiculite	42
Other	
Binders	49

Gypsum, fine grain aggregate, occasional carbonates

EFFERVESCENCE: weak to moderate

MMENTS: No Starch Observed.

P 702885

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

:oject # - Spl #: M8219-16 Date: 24 APR 92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SB

Sample Identification: JFK Airport Facility / Building 53

LL-1868-JFK-A

Gross Visual Description: lt. brown with golden flakes, fine grain matrix, wavey white fibers/bundles. No Paint Observed.

Optical Data for Asbestos Identification	
Morphology	Wavey
Pleochroism	None Obs.
Refractive Index	1.545-1.555
Sign of Elongation	+
Extinction	∥
Birefringence	low
Melt	
Fiber Name	Chrysotile

ASBESTOS MINERALS:	Est. Vol. %
Chrysotile	11
›osite	
ocidolite	
›remolite/Actinolite	
Anthophyllite	

OTHER FIBROUS COMPONENTS:	
Mineral/Rock wool	
Fibrous glass	
Cellulose	
Synthetic	
Other	

NON-FIBROUS COMPONENTS:	
Perlite	
Vermiculite	38
Other	
Binders	51

: Gypsum, fine grain aggregate.

EFFERVESCENCE: None

MMENTS:

P 702886

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

ject # - Spl #: M9084-1 Date: 05 Sept 92

ject Name: Port Authority of NY / NJ Analyst: SPB

ample Identification: JFK Airport facility Building 53
CL-1933-JFK-A

ross Visual Description: Lt. brown with golden flakes, wavy white fibers/bundles, fine grain matrix. No Paint Ob.

Optical Data for Asbestos Identification

Morphology	Wavy		
Pleochroism	None Ob		
Refractive Index	1.5431, 1.5541		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt	—		
Fiber Name	Chrysotile		

SBESTOS MINERALS: Est. Vol. %

hrysotile 14
mosite
idolite
olite/Actinolite
ophyllite

THER FIBROUS COMPONENTS:

ineral/Rock wool
ibrous glass
ellulose
ynthetic
ther

ON-FIBROUS COMPONENTS:

erlite
ermiculite 34
ther

inders 52

Gypsum, fine grain aggregate

FFERVESCENCE: None Ob

MENTS: No Starch Ob

P 702887

MATERIALS ANALYTICAL SERVICES, INC.

BULK ASBESTOS SHEET

Project # - Spl #: M8219-17 Date: 24APR92

Project Name: PORT AUTHORITY of NY & NJ Analyst: SFB

Sample Identification: JFK Airport Facility / Building 53

LL-1869-JFK-A

Gross Visual Description: Lt. brown, with golden flakes, wavey white fibers/bundles, fine grain matrix. No Paint Observed.

Optical Data for Asbestos Identification			
Morphology	Wavey		
Pleochroism	None Obs.		
Refractive Index	1.545/1.555		
Sign of Elongation	+		
Extinction	∥		
Birefringence	low		
Melt			
Fiber Name	Chrysotile		

ASBESTOS MINERALS: Est. Vol. %

Chrysotile: 11
Amosite:
Crocidolite:
Tremolite/Actinolite:
Anthophyllite:

OTHER FIBROUS COMPONENTS:

Mineral/Rock wool:
Fibrous glass:
Cellulose:
Synthetic:
Other:

NON-FIBROUS COMPONENTS:

Perlite:
Vermiculite: 37
Other:

Binders: 52

Gypsum, fine grain aggregate

EFFERVESCENCE: low + isolated

COMMENTS: No Starch Observed.

P 702888

ENZYME STARCH VERIFICATION

MATERIALS ANALYTICAL SERVICES

'ROJECT NUMBER M8219-4

DATE Aug 25, 1992

PREP TECH J. Taylor

a. container + material(g) 1.29179

b. container (g) 1.07006

c. material (g) 0.22173

d. buffer (ml) 0.554

e. alpha Amylase enzyme (ml) 0.554

f. A_{540} Project 0.042

g. A_{540} Water Control 0.029

.ample is positive if absorbance at a wavelength of 540 nm is greater than three times the reading of Water Control (Water with Color Reagent).

Sample is : POSITIVE NEGATIVE

(circle one)

P 702889

3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 FAX (404) 368-8256

MATERIALS
ANALYTICAL
SERVICES

ADDITIONAL BULK ANALYSIS

Sample #: M8219-4 Analyst: [illegible]

Date: 8/13/92

ACID DISSOLUTION

1) Petri dish plus sample	9.6656g
2) Petri dish minus sample	9.2720g
Original sample weight	0.3936g
4) Filter weight	0.0626g
5) Clean petri dish weight	7.6515g
6) Final sample weight plus filter and petri dish	7.8940g
7) Final sample wt ((6)-[(4)+(5)])	0.1799g
8) Percent residue wt ((7)/(3) x 100)	45.7%
9) Amount in solution (100 - (8))	54.3%

P 702890

:igh Office:
3 Blue Ridge Road • Suite 105
:igh, North Carolina 27607
) 881-7708 • FAX (919) 881-8227

Atlanta Office:
3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 • FAX (404) 368-825

MINERAL ANALYSIS SHEET

MATERIALS ANALYTICAL SERVICES

TEM ANALYSIS:	Bulk
PROJECT:	Port Authority / JFK Building 53
SAMPLE NUMBER:	LC-1376-JFK-B
SAMPLE ID:	M-8219-4
DATE OF ANALYSIS:	8/24/92
ANALYST:	WE/ang w

ASBESTOS MINERALS:

1) Chrysotile (diff/EDS)

OTHER COMPONENTS:

1) Vermiculite (diff/EDS)
2) Gypsum (EDS)

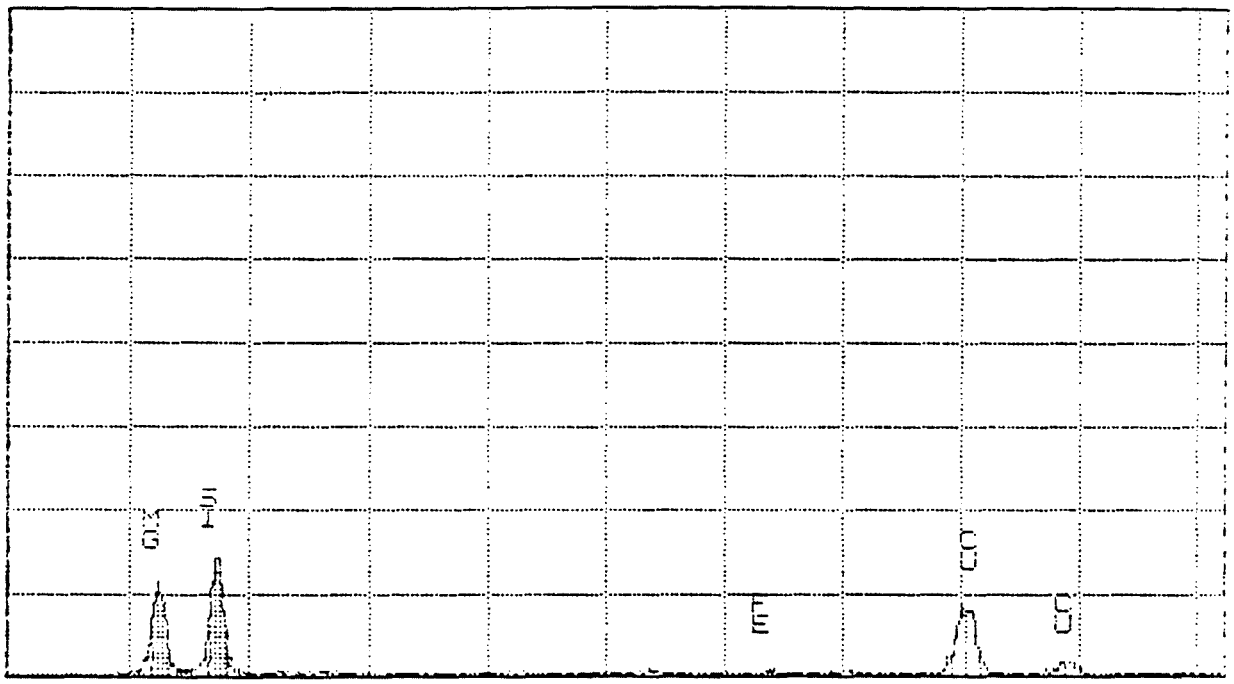
OTHER COMMENTS:

Raleigh Office:
2418 Blue Ridge Road • Suite 105
Raleigh, North Carolina 27607
(919) 881-7708 • FAX (919) 881-8227

Atlanta Office:
3597 Parkway Lane • Suite 250
Norcross, Georgia 30092
(404) 448-3200 • FAX (404) 368-82

MATERIALS ANALYTICAL SERVICES MON 24-AUG-92 11:03

Cursor: 0.010keV = 0 ROI (SIKα) 1.560: 1.810=1008



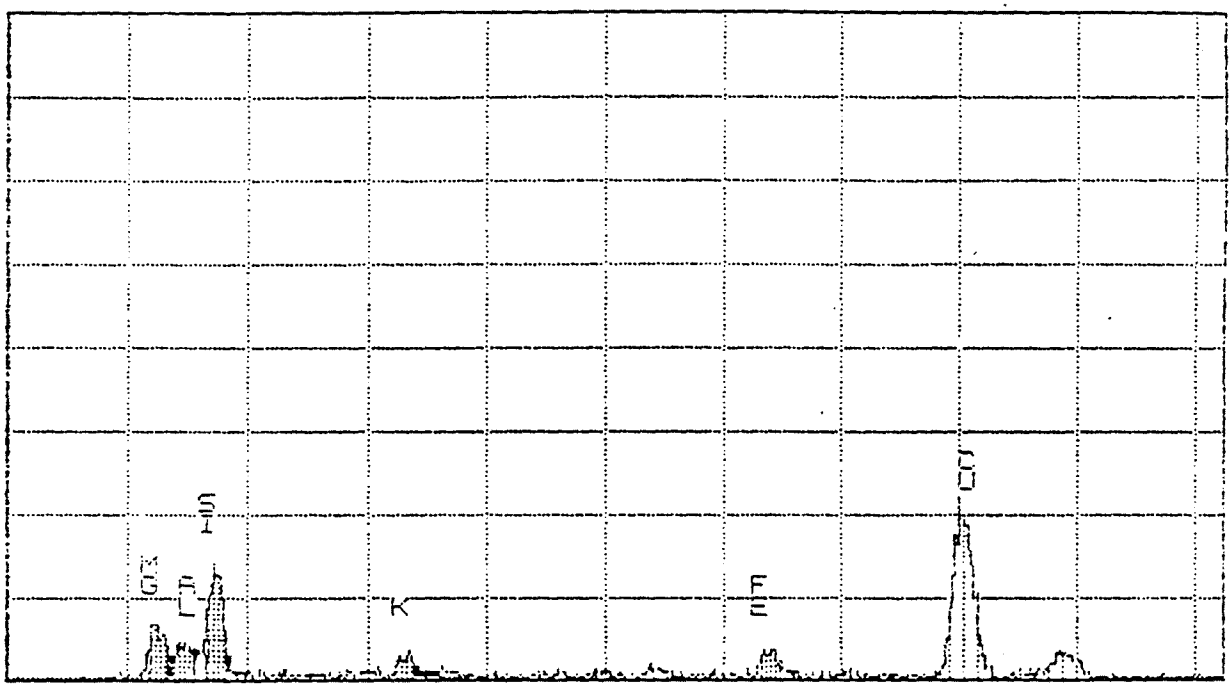
0.000 VFS = 512 10.240

M-8219-4: CHRYSOTILE 19

P 702892

MATERIALS ANALYTICAL SERVICES MON 24-AUG-93 11:36

Cursor: 0.000keV = 0 ROI (SIKα) 1.550: 1.810=518



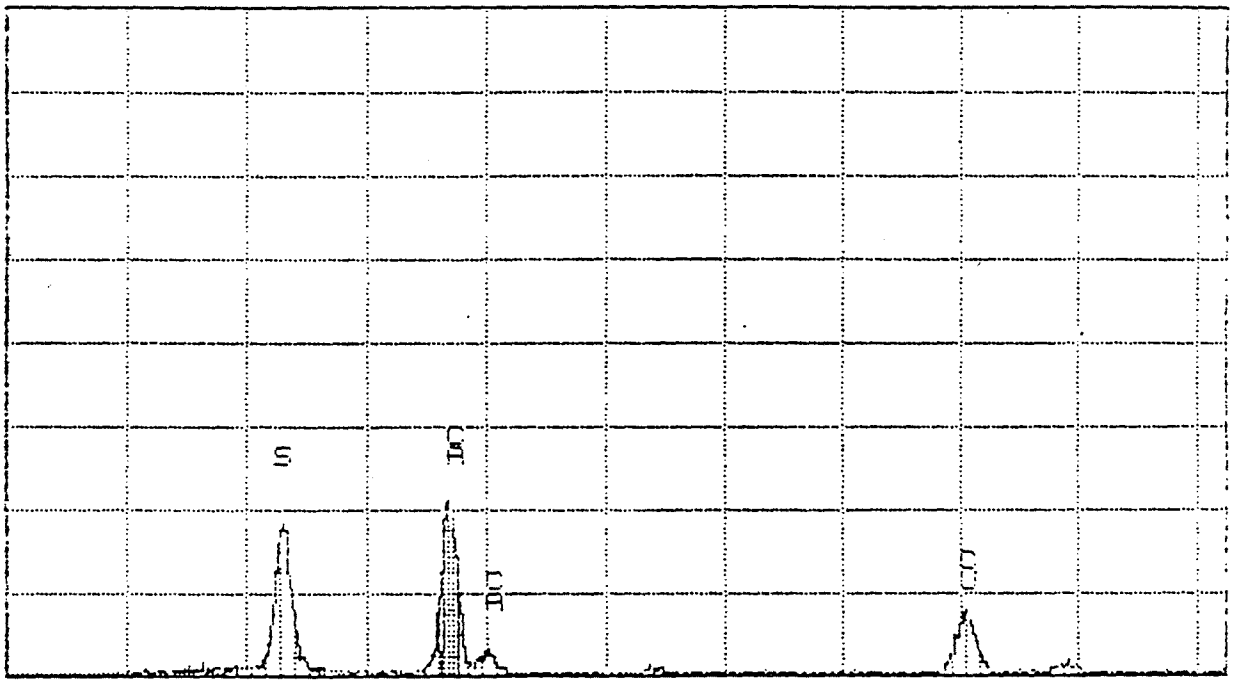
0.000 VFS = 256 10.240

M-8219-4: VERMICULITE 59

P 702893

MATERIALS ANALYTICAL SERVICES MON 24-AUG-92 11:38

Cursor: 0.000keV = 0 - ROI (SIKα) 1.660: 1.810=88



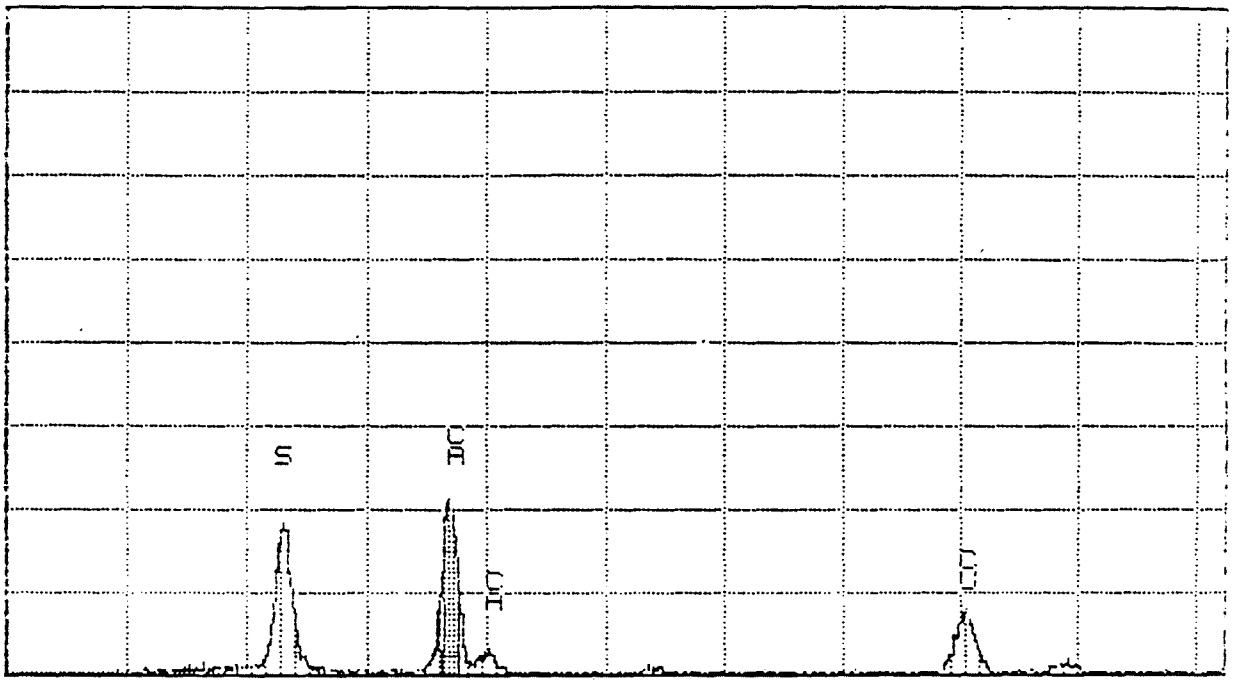
0.000 VFS = 512 10.240

M-S219-4: GYPSUM 13

P 702894

MATERIALS ANALYTICAL SERVICES MON 24-AUG-92 11:40

Cursor: 0.000keV = 0 ROI (SIKα) 1.560: 1.810=88



0.000 VFS = 512 10.240

M-8219-4: GYPSUM 19

P 702895

Box # ALTF- 155

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler Gilbert Gedeon Sample Number LL-1869-DPR-A Date Sample Taken 3/16/92

Building Number/Name Bldg 3 Facility DPR

Sample delivered and secured within sample storage room by: [signature] date/time 3/16/92 2200

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Frank Pergola date/time 3/20/92 0900

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [signature] 4/1/92 date/time 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory [signature]/MAS 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702896

WTC STORAGE ROOM

Box # ALTF- 155

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler Gilbert Gedeon Sample Number M-1868-DPH-A Date Sample Taken 3/16/92

Building Number/Name Bldg 53 Facility DPH

Sample delivered and secured within sample storage room by: [signature] date/time 3/16/92 2200

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Frank Pergola date/time 3/20/92 0900

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [signature] date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory [signature] IMAS date/time 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702897

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler Gilbert Gedeon Sample Number 26-1797-OFA-X Date Sample Taken 1/28/92

Building Number/Name Bldg 53 Facility OFA

Sample delivered and secured within sample storage room by: [signature] date/time 1/28/92/2300

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes _____ No

Receipt of sample acknowledged and filed by Sampling Team Manager: Frank Pergola date/time 1/29/92 1000

Sample found to be intact and not tampered with: ✓ Yes _____ No

Sample Mailed to Analytical Laboratory by: [signature] date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory Jane K. Rijmas date/time 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes _____ No

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes _____ No

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702898

Box # ALTF- 135

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBRENVILLE Sample Number LL-1625-JFK-C Date Sample Taken 8/27/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrenville date/time 8/28/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin Rhae date/time 8/30/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [illegible] date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory Jane K. Ruiz/MAS date/time 4-2-92 2pm
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702899

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBRENVILLE Sample Number 11-1673-JFK-B Date Sample Taken 8/27/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrenville date/time 8/28/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin Blair date/time 8/30/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Kevin B. Blair date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory Jane K. Lin / MAS date/time 4-2-92 2p.m
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702900

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DANBREVILLE Sample Number 11-1622-JFK-C Date Sample Taken 8/27/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Danbreville date/time 8/28/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Ken Blas date/time 8/28/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Ken Blas 4/1/92 date/time 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory Joe H. Rulmas 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702901

WTC STORAGE ROOM

Box # ALTF- # 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBROSIO Sample Number 11-1621-JFK-C Date Sample Taken 8/26/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrosio date/time 8/27/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Ken Black date/time 8/27/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Ken Black 4/1/92 date/time 16 30

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory Jane K. Ly/MAS 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702902

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler: F. DAUBREVILLE Sample Number: 11-1617-JFK-C Date Sample Taken: 8/26/91

Building Number/Name: #53 Facility: JFK

Sample delivered and secured within sample storage room by: F. Daubreville date/time 8/27/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin Bilsk date/time 8/30/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Kevin Bilsk date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory: Jane K. Ruh/MAS date/time 4-2-92 2pm
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702903

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBROSIO Sample Number LL-1616-JFK-B Date Sample Taken 8/26/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrosio date/time 8/27/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin B Rose date/time 8/30/91, 4PM

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [illegible] date/time 4/1/92 1CR

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory [illegible] /MAS date/time 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702904

WTC STORAGE ROOM

Box # ALTF- 134

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. Dambrosio Sample Number U-1615-JFK-A Date Sample Taken 8/26/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrosio date/time 8/27/91 0400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Kevin Black date/time 8/30/91, 4pm

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Kevin Black 4/1/92 date/time 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory Jane K. Lu / MAS 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702905

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. DAMBRAVILLE Sample Number L1-1380-JFK-C Date Sample Taken 4/15/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambraville date/time 4/15/91 2400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: C. Kostaty date/time 4-16-91 0300

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [illegible] date/time 4/17/91 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory [illegible] THOMAS date/time 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702906

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler A. Wilnoth Sample Number LL-1376-JFK-B Date Sample Taken 4.15.91

Building Number/Name BLDG 53 Facility JFK

Sample delivered and secured within sample storage room by: [signature] date/time 4.15.91 / 2400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: [signature] date/time 4-16-91 0300

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [signature] 4/1/92 date/time 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory [signature] IMAS 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702907

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler F. Dambrosville Sample Number 11-1368-JFK-B Date Sample Taken 4/10/91

Building Number/Name #53 Facility JFK

Sample delivered and secured within sample storage room by: F. Dambrosville date/time 4/10/91 1530

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: S. Hordatky date/time 4-11-91 -930

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [illegible] 4/1/92 1630 date/time _____

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory [illegible] MAS 4-2-92 date/time 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702908

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler A. Wilmoth Sample Number LL-1357-JFK-B Date Sample Taken 4.8.91

Building Number/Name 53 Facility JFK

Sample delivered and secured within sample storage room by: [illegible] date/time 4.8.91 1400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: C. Hondaty date/time 4-9-91 1130

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: [illegible] date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY!

Sample Received by Analytical Laboratory: Jane K. Rulmas date/time 4-2-92 2PM
Signature/Organization

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702909

WTC STORAGE ROOM

Box # ALTF-

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler: F. Dambrosville Sample Number: LL-1347-JFK-C Date Sample Taken: 4/3/91

Building Number/Name: #53 Facility: JFK

Sample delivered and secured within sample storage room by: F. Dambrosville date/time 4/3/91 2400

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: C. Hardaty date/time 4-4-91 1300

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Ken R. Bal date/time 4/1/92 1630

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory: Jane R. Rumas/MAS (Signature/Organization) date/time 4-2-92 2PM

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ (Signature/Organization) date/time _____

Sample Relinquished by: _____ (Signature/Organization) date/time _____

Sample Received by: _____ (Signature/Organization) date/time _____ Reason _____

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ (Signature/Organization) date/time _____

Sample Received by: _____ (Signature/Organization) date/time _____ Reason _____

P 702910

The Port Authority of New York and New Jersey
Litigation Sampling
Chain of Custody

Sampler Gilbert Gedeon Sample Number Lh-1933-JFK-A Date Sample Taken 8/5/92

Building Number/Name Bldg 63 Facility JFK

Sample delivered and secured within sample storage room by: [illegible] date/time 8/5/92/1600

Receipt of sample acknowledged by: _____ date/time _____

Sample found to be intact and not tampered with: _____ Yes No _____

Receipt of sample acknowledged and filed by Sampling Team Manager: Frank Pergola date/time 8-7-92/1600

Sample found to be intact and not tampered with: ✓ Yes No _____

Sample Mailed to Analytical Laboratory by: Ken Baar date/time 8/18/92 14:30

TO BE COMPLETED BY ANALYTICAL LABORATORY ONLY:

Sample Received by Analytical Laboratory _____ date/time _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample re-sealed by: _____ date/time _____

Sample mailed from Analytical Laboratory to Port Authority _____ date/time _____
Signature/Organization

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

Sample found to be intact and not tampered with: _____ Yes No _____

Sample Relinquished by: _____ date/time _____
Signature/Organization

Sample Received by: _____ date/time _____ Reason _____
Signature/Organization

P 702911

WTC STORAGE ROOM

OEPM 3

THE PORT AUTHORITY OF NY & NJ **MEMORANDUM**

TO: George Jensen, Manager, Airport Facilities Division, JFKIA
FROM: Stephen Kay
DATE: March 29, 1989
SUBJECT: **Y-6074A-WORLDPORT ASBESTOS REMOVAL**

COPY TO: N. Chanfrau, E. Spolidora, P. Taylor

The Environmental Management Division (EMD) has reviewed the subject contract submissions and has the following comment to offer:

1. Representatives of the Asbestos Management Unit of the EMD attended several planning and pre-construction meetings to discuss the subject contract. At these meetings the scope of work was addressed and drawings were reviewed. This project will be reviewed by the EMD and the Resident Engineer's Office as the abatement work progresses, the abatement portion of this contract may commence.

Stephen Kay

Stephen Kay, Supervisor
Contracts and Compliance
Environmental Management Division

RG/sw

P 749550

OEPM 3

THE PORT AUTHORITY OF NY & NJ **MEMORANDUM**

TO: George Jensen, Manager, Airport Facilities Division, JFKIA
FROM: Stephen Kay
DATE: March 28, 1989
SUBJECT: **Y-6076-PAN AM-BLDG 53 REMOVAL OF AIRBRIDGE CANOPIES**

COPY TO: N. Chanfrau, J. Hofmann, E. Spolidora, P. Taylor

The Environmental Management Division (EMD) has reviewed the subject contract submissions and has the following comments to offer:

1. Waste Transporter permit expires April 30. 1989. If project is not completed by that time, Mola Trucking would not be permitted to transport any waste until a new permit is issued.

2. Mola Trucking NJ-Department of Environmental Protection, Solid Waste Transporter permit expires September 30, 1989. Re-certification documentation is required.

3. The abatement contractor and transporter must use the standard **"Asbestos Waste Shipping Document"** prepared by Environmental Management.

4. Submittal is incomplete. The following details are required: Name and all certification documents of the selected abatement contractor; name and certification documents of all environmental laboratories (OSHA monitoring and third party) associated with this project; and an outline of site specific procedures detailing the complete scope of work. Concerning only the asbestos portion of this plan review, authorization to start work can not be given based upon the outlined deficiencies.

It is required that you resolve the above items whether or not they are part of this Contract. Please advise EMD as to the disposition of all unresolved items.

Stephen Kay

Stephen Kay, Supervisor
Contracts and Compliance
Environmental Management Division

RG/sw

P 749551

OEPM 3

THE PORT AUTHORITY OF NY & NJ **MEMORANDUM**

TO: George Jensen, Manager, Airport Facilities Division, JFKIA
FROM: Stephen Kay
DATE: March 8, 1989
SUBJECT: **Y-6062A-CUSTOMS BLDG 53 ATC ABESTOS REMOVAL SPECIFICATIONS**

COPY TO: N. Chanfrau, J. Hofmann, E. Spolidora, [redacted]

The Environmental Management Division (EMD) has reviewed the subject contract submissions and has the following comment to offer:

1. Representatives of the Asbestos Management Unit of the EMD attended several planning and pre-construction meetings to discuss the subject contract. At these meetings the scope of work was addressed and drawings were reviewed. This project will be reviewed by the EMD and the Resident Engineer's Office as the abatement work progresses, the abatement portion of this contract may commence.

Stephen Kay

Stephen Kay, Supervisor
Contracts and Compliance
Environmental Management Division

RG/sw

P 749878

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753024

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD
[redacted]							
215.022	JFK - BUILDING 53 HUDSON	ENVIRO SAFE	B. KUCHYNSKAS	COMPLETED.	Y	N	
[redacted]							
215.059	JFK - BUILDING 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	B. KUCHYNSKAS	IN PROGRESS.	Y	N	JFK-010-90

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM II

03/09/90

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753025

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
215.062	JFK - PAN AMERICAN ODD SIZE BAGGAGE AREA	APED	K. GOSS	COMPLETED.	Y	N	
[redacted]							
215.087	JFK - PAN AM, BUILDING 53 EAST CUSTOMS AREA	DSI IND., ENV. DIV.	K. GOSS	COMPLETED.	Y	N	
[redacted]							

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753026

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

03/09/90

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION

ABATEMENT ACTIVITIES MONITORING REPORT

P 753027

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD

[redacted]

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753028

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD

[redacted]

OEPM 11

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

draft Example ATC use AMT CD letter Head

THE PORT AUTHORITY OF NY & NJ

Certified mail Return Receipt Requested

~~To:~~ ATC Environmental inc.
Anthony Vetrano, pres
104 E 25th st
NY NY 10010

SUBJECT: RESPONSE TO UNITED STATES ENVIRONMENTAL PROTECTION AGENCY'S REQUEST FOR INFORMATION ON ASBESTOS ABATEMENT ACTIVITIES

Dear Mr. Vetrano:

The office of the Chief Engineer of the Port Authority recently received a request under the "Clean Air Act" from the United States Environmental Protection Agency pertaining to all asbestos abatement projects at John F. Kennedy International Airport that involved the removal of at least 260 linear feet of friable asbestos from pipes or at least 160 square feet of friable asbestos from other components or structures. In addition, demolition projects involving the removal of any amount of friable asbestos are included in the request. The time frame for the request runs from April 5, 1984 to the present. enclosed this request is ~~attached~~ and ~~enclosed~~ attachment I

The scope of the request is enormous. A copy of the EPA's elaborate asbestos information request (labeled Attachment II) is attached. A significant amount of the information requested exists, but not in one location and not in the format contained in the information request. Port Authority staff is currently preparing a response to the EPA that includes all information available in Port Authority files. However, some information, particularly for projects undertaken between 1984 and 1988 prior to the enactment of Local Law 76, may only exist in tenant files.

It is, therefore, requested that ATC Env. enclosed and list provide the Port Authority with copies of any requested documentation that may exist in your files or allow the Port Authority access to any files that contain such documentation as soon as possible. A ~~copy~~ of specific documents needed is ~~attached~~ labeled Attachment II.
The importance and the immediacy of this request cannot be overstated. Your full cooperation is essential and greatly appreciated.

Information or files can be given directly to Ms. Kelly Apgar of the Port Authority Asbestos Litigation Task Force or Mr. Al Neidermeyer of the Asbestos mgmt + Compl. Div In either case, arrangements for the handling of the materials will be made by the Port Authority and any material that is borrowed will be promptly returned.

Ms. Apgar can be reached at (212) 432-5571 and Al Neidermeyer at (201) 963-7484 Thank you for your assistance in this most important matter.

If you have any questions please call me at 201/963-7440

X

Harry Pool, JR, ~~Supervisor~~ Manager
~~Environmental Program~~ cc M & C.D
~~Inspections and Safety Division~~

P 753172

OEPM 11

Attachment II

A.T.C.

JFK Y-5956 - 215.016 PAN AM WORLPORT DUTY FREE SHOPS

NAT: 800 SF ~~PGS.~~ FIREPROOFING
DATE: 5/20/88
AC: ENVIROSAFE
G.C._____
ARCH: SAL P.
CONSULTANT: ATC
WASTE HAULER: MITCHKO/ADA
NEED: BULK SAMPLES, PROCEDURES.

104 E 25TH ST
10TH FLOOR
N Y N Y 10010
ANTHONY VETRANO, PRES
(212) 353-8282

~~Y-S491-B COMPLETE~~
JFK Y-5906 BLDG #54 TERMINAL EXPANSION PAN AM
AC: APED
62 PERETE AVE
NORTH ARLINGTON, N.J. 07032
DATE: 1/2/89 - 2/1/89
CONSULTANT: ATC
NEED: AIR SAMPLE, FINAL AIR RESULTS, LOGS.

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
AC: APED
HYG: ATC ENVIRONMENTAL
DATE: FEB 17TH AND MARCH 17TH
NEED: BULK SAMPLES, FINAL AIR TESTS, AREA AIR SAMPLING AND LOGS.

JFK Y-6061A 215.050 BLDG #53 PAN AM WORLDPORT, SERVICE AREAS
CUSTOMS AREA "B" IMMIGRATION AND WEST CUSTOMS

AC: APED
HYG: ATC
DATE: 1/30/89 TO 2/17/89
NEED: FINAL AIR AND AIR TESTS

JFK Y-6074A 215.052 PAN AM WORLD PORT, AREA "D" PORT AREA & BATHROOM
AC: APED
HYG: ~~ACT~~ ATC ENVIRONMENTAL
DATE: 2/16/89 PERMIT APPROVAL
NEED: ~~SMALL AND~~ FINAL AIR AND AIR TESTS, LOGS.

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
~~AC:~~ BRIDGE TECH INC
171 REDEO DRIVE
BRENTWOOD, N.Y. 11717 APED INC.

HYG: A.T.C. ENVIRONMENTAL
DATE: NOV 7, 1989 - DEC 30, 1989
NEED: FINAL AIR AND AIR TESTING RESULTS, LOGS

P 753173

OEPM 11

JFK Y-5981 215.987 BLDG #53 PAN AM OLD TEXAS LOUNGE
AC: APED CO., INC
HYG: ATC ENVT
DATE: 6/8/88 - 6/9/88
NEED: FINAL AIR, AIR RESULTS AND LOGS.

JFK Y-6080A 215.068 PAN AM ODDSIZE CONVEYOR
AC: APED
HYG: ATC
DATE: MAY 11, 1989 - FEB 20, 1990
NEED: LOGS, FINAL AIR RESULTS

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
AC: DSI
HYG: ATC
NEEDS: COMPLETE MANIFEST, AIR AND FINAL AIR RESULTS
WASTE HAULER: NATIONAL WASTE DISPOSAL
104 E. 25TH ST
NYC, N.Y. 10016
609-883-1420

CALL: FONTENETTA, RECALL WASTE HAULER CHANGED.

P 753174

Need Complete files by April 20, 1990

JFK - AIR = NO

ASBESTOS ABATEMENT JOB CLOSURE STATUS

CT	COST RECOVERY NUMBER	FACILITY BUILDING	AREA	CONTRACT NUMBER	STATUS OF WORK AS REPORTED	STATUS OF WORK AS REPORTED	EPA WASTE MANI-FEST	BULK SAM.	DWGS OR PLAN	REM. W/O STRIP	PROC OR SPEC	FINAL AIR TESTS	ANY AIR TESTS	LOGS	CHUTES AT 50' ELEV	COMM WITH GOVT	PERMITS OR APPROVALS	PA PERMIT	COMMENT
[redacted]																			
1	215.048	JFK BLDG 53	PAN AM WORLDPORT	Y-6062A	COMPLETE	COMPLETE	YES	YES	NO	YES	NO	YES	NO	NO	NO	NO	YES	YES	
[redacted]																			
1	215.050	JFK BLDG 53	PAN AM WORLD PORT SPECIAL SERVICE AREA	Y-6061A	COMPLETE	COMPLETE	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO	YES	YES	ADEQUATE ?
[redacted]																			
1	215.052	JFK BLDG 53	PAN AM WORLD PORT- AREA D BAGGAGE AND SERVICES ADMIN, BAGGAGE SERVICE OFFICE AND BATHROOMS	Y-6074A	COMPLETE	COMPLETE	SML	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO	
1	215.059	JFK 53	PAN AM LOADING BRIDGE CANOPIES	Y-6076	COMPLETE	~~ONGOING~~ complete 3/21/90	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	NO	
[redacted]																			
1	215.087	JFK 53 - PAN AM	EAST CUSTOMS AREA	Y-6072A	COMPLETE	~~ONGOING~~ complete 5/25/90	YES	N/A	YES	YES	NO	YES	NO	NO	PA	NO	YES	NO	
[redacted]																			

P 753303

OEPM II

OEPM 11

ATTACHMENT I

D.S.I. INDUSTRIES (FORMERLY ASBESTOS REMOVAL CORP.)
ADAM NOCITO, PRESIDENT
153 WAVERLY PLACE
NEW YORK, N.Y. 10014
(212) 807-6688

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI (FORMERLY ARC)
HYGIENIST: ATC
DATE: 11/19 - 2/20/90
WASTE HAULER: NATIONAL WASTE DISPOSAL
104 EAST 25TH ST.
NEW YORK, NY 10016
(609) 883-1420
NEED: COMPLETED WASTE MANIFESTS, AIR AND FINAL AIR RESULTS

[redacted]

JFK 6072A 215.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: D.S.I.
HYGIENIST: ATC ENVIRONMENTAL
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90
NEED: LOGS & WASTE MANIFESTS

OEPM 11

ATTACHMENT I

[redacted]

JFK Y-5956 - 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
NEED: BULK SAMPLES, AND PROCEDURES.

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR TESTS, AREA AIR SAMPLING AND LOGS.

JFK Y-6074A 215.052 PAN AM WORLD PORT, AREA "D" PORT AREA & BATHROOM
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR, AIR TESTS, AND LOGS.

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGE TECH INC
ASBESTOS CONTRACTOR: APED INC.
HYGIENIST: A.T.C. ENVIRONMENTAL
DATE: NOV 7, 1989 - DEC 30, 1989
NEED: ADDITIONAL FINAL AIR AND AIR TESTING RESULTS, AND LOGS

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI
HYGIENIST: ATC ENVIRONMENTAL
NEEDS: COMPLETED WASTE MANIFEST, AND LOGS
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90

[redacted]

OEPM 11

ATTACHMENT I

[redacted]

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI (FORMALLY ARC)
HYGIENIST: ATC
DATE: 11/19 - 2/20/90
WASTE HAULER: NATIONAL WASTE DISPOSAL
104 EAST 25TH ST.
NEW YORK, NY 10016
(609) 883-1420
NEED: COMPLETED WASTE MANIFESTS, AIR AND FINAL AIR RESULTS

[redacted]

OEPM 11

ATTACHMENT I

CLAYTON ENVIRONMENTAL, INC.
KIRIT DORA, MANAGER
160 FIELDCREST AVE.
EDISON, NJ 08837
(201) 225-6010

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA (201) 227-8160
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS

OEPM II

DELETE

NOTE
. Omit all highlighted matl
(unless circled)

ATTACHMENT I

[redacted]

JFK Y-5956 - 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
NEED: BULK SAMPLES, AND PROCEDURES.

"NOT AVILIABLE AT THIS TIME"

JFK Y-5906 BLDG #54 TERMINAL EXPANSION PAN AM
DATE: 1/2/89 - 2/1/89
ASBESTOS CONTRACTOR: APED
CONSULTANT: ATC ENVIRONMENTAL
NEED: AIR SAMPLES, FINAL AIR RESULTS, AND LOGS.

"omit"

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR TESTS, AREA AIR SAMPLING AND LOGS.
NEED: BULK SAMPLES

JFK Y-6061A 215.050 BLDG #53 PAN AM WORLD PORT, SERVICE AREA
CUSTOMS AREA "B" IMMIGRATION AND WEST CUSTOMS
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/30/89 - 2/17/89
NEED: FINAL AIR AND AIR TESTS
NEED: Final air, air sample results, and logs

"omit entire entry"

JFK Y-6074A 215.058 PAN AM WORLD PORT, AREA "D" PORT AREA & BATHROOMS
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR, AIR TESTS, AND LOGS.

SAMPLES

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGE TECH INC
ASBESTOS CONTRACTOR: APED INC.
HYGIENIST: A.T.C. ENVIRONMENTAL
DATE: NOV 7, 1989 - DEC 30, 1989
NEED: FINAL AIR AND AIR TESTING RESULTS, AND LOGS

ONGOING

AS OF 3/20

additional

"SAVE"

P 753324

OEPM 11

ATC (CON'T)

JFK Y-5981 215.987 BLDG #53 PAN AM OLD TEXAS LOUNGE
ASBESTOS CONTRACTORC: APED CO., INC ~~SIMPLE~~
HYGIENIST: ATC ENVIRONMENTAL
DATE: 6/8/88 - 6/9/88
NEED: FINAL AIR, AIR RESULTS AND LOGS

JFK Y-6080A 215.068 PAN AM ODD SIZE CONVEYOR
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: MAY 11, 1989 - FEB 20, 1990
NEED: LOGS, AND FINAL AIR RESULTS

"omit"

JFK Y-6072A 213.987 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOR CONTRACTOR: DSI
HYGIENIST: ATC ENVIRONMENTAL
NEEDS: COMPLETED WASTE MANIFEST, AIR AND FINAL AIR RESULTS and logs
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90 JUST FINISHED!
NO WORK AS OF 3/23!

OEPM 11

ATTACHMENT I

APED, INC.
JOE SHANNON, PRINCIPAL
62 PORETE AVE.
NORTH ARLINGTON, NJ 07032
(201) 991-2918

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5906A BLDG #54 TERMINAL EXPANSION - PAN AM
ASBESTOS CONTRACTOR: APED, INC.
CONSULTANT: ATC ENVIRONMENTAL INC
DATE: 1/2/89 - 2/1/89
NEED: AIR SAMPLES, FINAL AIR RESULTS, AND LOGS.

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR, AIR SAMPLES, AND LOGS.

JFK Y-6061A 215.050 BLDG #53 PAN AM WORLDPORT SERVICE AREA
CUSTOMS AREA "B" IMMIGRATION AND WEST CUSTOMS.

ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 1/30/89 TO 2/17/89
NEED: FINAL AIR AND AIR SAMPLES

JFK Y-6074A 215.052 PAN AM WORLDPORT AREA "D" PORT AREA AND BATHROOM
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR AND LOGS.

JFK Y-5981 215.987 BLDG #53 PAN AM OLD TEXAS LOUNGE
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 6/5/88 - 6/9/88
NEED: FINAL AIR, AIR SAMPLES, AND LOGS

JFK Y-6080A 215.068 PAN AM ODDSIZE CONVEYOR
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: MAY 11, 1989 - FEB 20, 1990
NEED: LOGS, AND FINAL AIR RESULTS.

OEPM 11

APED (CON'T)

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPY
GENERAL CONTRACTOR: BRIDGETECH INC.
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: NOVEMBER 7, 1989-CURRENT
NEED: FINAL AIR & AIR SAMPLES AND LOGS

PROJECT FOR LA GUARDIA AIRPORT

[redacted]

P 753331

OEPM 11

ATTACHMENT I

BRIDGETECH, INC.
JAMES LARSON, PRESIDENT
100 H EXECUTIVE DR.
BRENTWOOD, NY 11717
(516) 243-0300

PROJECT FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGETECH, INC.
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 11/7/89 - 12/30/89
NEED: FINAL AIR AND AIR TESTING RESULTS AND LOGS

OEPM 11

ATTACHMENT I

CDS MESTEL CONSTRUCTION CORP.
LENARD HOFFMAN, PRESIDENT
124 FORREST ST.
BKLYN, NY 11126
(718) 497-2380
FAX (718) 381-6905

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5813 BLDG #53 PAN AM/UTB RETAIL STORE FOR INT'L SHOP
DATE: 12/86-5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION,
GENERAL CONTRACTOR: CDS MESTEL CONSTRUCTION CORP
ARCHITECT: SAL PASSALACQUA
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING INC
P.O. BOX 8381
L.I.C., N.Y. 11101
NEED: EPA NOTIFICATION, LOGS, AND COMPLETE WASTE MANIFESTS

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETE WASTE MANIFESTS, AND FINAL AIR

JFK Y-5823 AMERICAN AIRLINES DUTY FREE SHOP MAIN LOBBY
MATERIAL: 400 SQ. FT. FIREPROOFING
DATE: 10/10/87
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: S. PASSALACQUA
GENERAL CONTRACTOR: CDS MESTEL
WASTE HAULER: MITCHKO (UNDER ADA)
NEED: EPA NOTIFICATION, SPECIFICATIONS AND LOGS

OEPM 11

ATTACHMENT I

CLAYTON ENVIRONMENTAL, INC.
KIRIT DORA, MANAGER
160 FIELDCREST AVE.
EDISON, NJ 08837
(201) 225-6010

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA (201) 227-8160
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS AND FINAL AIR

OEPM 11

ATTACHMENT I

[redacted]

JFK Y-5956 215.016 PAN AM WORLD PORT DUTY FREE SHOPS
NAT: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC
WASTE HAULERS: MITCHKO/ADA
NEED: BULK SAMPLES AND PROCEDURES.

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS, AND FINAL AIR

OEPM 11

ATTACHMENT I

JACK'S INSULATION
JACK BRUCCULERI, PRESIDENT
29-28 DITMARS BLVD
ASTORIA, N.Y. 11105
(718) 726-4221

PROJECT FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5813 BLDG #53 PAN AM/UTB RETAIL STORE FOR INT'L SHOP
DATE: 12/86-5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION
GENERAL CONTRACTOR: CDS MESTEL CONSTRUCTION CORP
ARCHITECT: SAL PASSALACQUA
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING INC
P.O. BOX 8381
L.I.C., N.Y. 11110
NEED: EPA NOTIFICATION, LOGS, AND COMPLETED WASTE MANIFESTS

PROJECT FOR LA GUARDIA AIRPORT

[redacted]

OEPM 11

[redacted]

JFK Y-5956 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALAQUA
CONSULTANT: ATC
WASTE HAULER: MITCHKO (UNDER ADA)
NEED: BULK SAMPLES, AND PROCEDURES

JFK Y-5813 BLDG 53 PAN AM UTB RETAIL STORE FOR INT'L SHOPS
DATE: 12/86 - 5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING, INC.
PO BOX 8381
LONG ISLAND CITY, NY 11101
NEED: EPA NOTIFICATION, COMPLETE WASTE MANIFESTS, AND LOGS

OEPM 24

STATE OF NEW YORK · DEPARTMENT OF LABOR
DIVISION OF SAFETY AND HEALTH
ASBESTOS CONTROL PROGRAM
ONE MAIN STREET
BROOKLYN, N.Y. 11201
TELEPHONE: (718) 797-7674

ASBESTOS PROJECT NOTIFICATION

Any contractor who intends to engage in an asbestos project involving more than two hundred sixty linear feet or more than one hundred sixty square feet of asbestos or asbestos materials shall notify in writing both the State of New York Asbestos Control Program, at the above address, and the United States Enviromental Protection Agency, Air and Hazardous Material Division, Room 1011, 26 Federal Plaza, New York, N.Y. 10278, ten days prior to the commencement of the project. If an asbestos hazard is present which requires immediate attention, or if emergency conditions make it impossible to give notification ten days prior to commencement of the project, telephone notification must be given to the Asbestos Control Program office. The written notification must then be sent as soon as practicable.

NOTE: Additional copies of this form may be reproduced as needed by the licensee.

NAME OF CONTRACTOR	2. NEW YORK STATE ASBESTOS HANDLING LICENSE NUMBE
APED CO. INC.	AC880491

ADDRESS OF CONTRACTOR
62 PORETE AVENUE NORTH ARLINGTON, NEW JERSEY 07032

MAILING ADDRESS (if different than item 3 above)
SAME AS ABOVE

NAME AND TITLE OF DULY AUTHORIZED REPRESENTATIVE	6. TELEPHONE NUMBER OF DULY AUTHORIZED REPRESENT
MICHAEL SHANNON/ DIRECTOR OF FIELD OPERATIONS	(201) 991-2918/564-2665

DESCRIPTION OF BUILDING SITE: PASSENGER TERMINAL (BAGGAGE CONVEYOR AREA)

a. ADDRESS (INDICATE NAME OF BUILDING, IF APPLICABLE)
PAN AM BLDG. #53 (WORLD PORT BLDG.)
JFK INTERNATIONAL AIRPORT

b. COUNTY	c. INDICATE LOCATION OF ASBESTOS WITHIN BUILDING/SITE
QUEENS	SPRAYED ON FIREPROOFING ON BEAMS AND DECKING (ABOVE OUTBOUND CONVEYORS).

d. CURRENT USE OF BUILDING/SITE	e. AGE OF BUILDING (if Applicable)	f. AMOUNT OF ASBESTOS INV IN PROJECT (in square or linear
COMMERCIAL PASSENGER TERMINAL		850 SQUARE FEET

8. STARTING DATE OF PROJECT	9. COMPLETION DATE OF PROJECT (Projected)
MAY 1, 1989	JUNE 1, 1989

10. CHECK APPROPRIATE BOX(ES) FOR THE TYPE OF ASBESTOS PROCEDURE(S) TO BE USED

☐ INSTALLATION ☒ REMOVAL ☐ ENCLOSURE ☐ APPLICATION ☐ ENCAPSULATION

11. NAME AND ADDRESS OF GOVERNMENT AGENCY REQUIRING THE PROJECT, IF ANY

P 759954

OOSH-483 (9-87)

OFPM 24

FULL CONTAINMENT-REMOVAL TO BE DONE AS OUTLINED IN N.Y.C. LOCAL LAW 70/76 UTILIZING 3-CHAMBI DECON AND NEGATIVE AIR UNITS SUFFICIENT FOR THE AREA.. MATERIAL IS TO BE REMOVED, BAGGED & DISPOSED OF WET.

METHOD(S) TO BE USED AT WASTE DISPOSAL SITE (IF APPLICABLE)

PROCEDURE ATTACHED

METHOD(S) TO BE USED AT PROJECT SITE TO TREAT OR DISPOSE OF CONTAMINATED WASTE WATER (IF APPLICABLE)

FILTERED THROUGH A QUAD (4) MICRON FILTER SYSTEM THEN DISCHARGED INTO THE SEWER SYSTEM.

NAME AND ADDRESS OF WASTE DISPOSAL SITE, IF ANY

INDUSTRIAL MAINTENANCE SERVICE
ROUTE 3, BOX 563
CLARKSBURG, WEST VIRGINIA 26301

PERMIT NUMBER: 8426

LIST ALL EQUIPMENT TO BE USED FOR THIS ASBESTOS PROJECT, e.g. NEGATIVE AIR FILTRATION UNITS, RESPIRATORS, WETTING DEVICES, HEPA VACUUMS, ETC., DO NOT INCLUDE NON-ASBESTOS RELATED EQUIPMENT OR EXPENDABLE SUPPLIES. (ATTACH ADDITIONAL SHEETS IF NECESSARY)

DESCRIPTION OF EQUIPMENT	MANUFACTURER	MODEL NUMBER	QUANTITY
NEGATIVE AIR UNITS	TRIDEM	ACCU2M3	3
FULL FACE (PAPR) RESPIRATORS	RACAL		10
HALF FACE RESPIRATORS	WILSON	7400	10
HEPA VACUUMS	HAKO	H-9032	2
HEPA VACUUM	VACTAGON	AU400	1
AIRLESS SPRAYERS	AIRLESSCO	M6017FK22A	2
MANOMETER	DICKSON & CO.	EPR-A2	1

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SIGNATURE OF CONTRACTOR OR DULY AUTHORIZED REPRESENTATIVE

Michael Sherman

15. DATE

4-12-89

OEPM 24

ATC ENVIRONMENTAL INC.
AIR MONITORING DAILY REPORT

May 11, 1989

Client:	Pan American World Airways, Inc.
Project Address:	JFK International Airport, Building #53
Work Area:	West Outbound Oddsize (Oversize) Baggage/Conveyor Modification
ATC Inspector:	Ed Bradshaw
Contractor:	Aped, Co. Inc.

ATC Environmental Inc. arrived on-site to perform pre-abatement air sampling of conveyer belt system, which has suspect ACM on the I beams above. The contractor has built a plywood platform in order to gain access to the I beams; all samples were taken from this platform (the work area). The work area is dusty and windy due to the open door leading to the run-way. Samples were collected at no less than 1250 liters. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Project Hours: 0900 - 1430

Air Samples Taken: PAN-WOB-5/11-01 thru 07

P 759959

OEPM24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

June 14, 1989

Client: Pan American World Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor Modification

ATC Inspector: Curtis Preston

Contractor: Aped Co. Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work continued for the duration of the shift and consisted of removing a strip of asbestos-containing spray-on to establish critical barriers to the slab above.

During the shift, approximately 10 bags of ACM were removed from the site by the waste hauler, to a temporary storage area. Waste load-out procedures were observed by ATC Environmental, Inc. and found to be acceptable.

Project Hours: 2100 - 0700

Air Samples Taken: PA-WOB-6/14-08 thru 14

P 759960

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

June 15, 1989

Client: Pan American World Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor Modification

ATC Inspector: Curtis Preston

Contractor: Aped Co. Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work continued for the duration of the shift and consisted of removing a strip of asbestos-containing spray-on to establish critical barriers up to the slab above.

During the shift, approximately 18 bags of ACM were removed from the site by the contractor to the waste hauler. Waste load-out procedures were observed by ATC Environmental and found to be acceptable.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Project Hours: 2200 - 0730

Air Samples Taken: PA-WOB-6/15-15 thru 21

P 759961

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 6, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage Conveyor Modification

ATC Inspector: Curtis Preston

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up. Preparation work continued for the duration of the shift and consisted of finding and sealing all open spaces in walls, ceiling and floor.

Project Hours: 1900 - 0730

Air Samples Taken: PA-WOB-7/6-22 thru 28

P 759962

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 9, 1989

Client: Pan American World Airways, Inc.

Project Address: JFK International Airport

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED Co., Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work continued for the duration of the shift and included applying polyethylene sheeting inside the decontamination unit. Previous work day's sampling outside the work area was in compliance.

Project Hours: 2100 - 0600

Air Samples Taken: PA-WOB-7/9-01 thru 06

P 759963

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 10, 1989

Client:	Pan American World Airways, Inc.
Project Address:	JFK International Airport
Work Area:	West Oversize Baggage/Conveyor
ATC Inspector:	Kevin Welsh
Contractor:	APED Co., Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work continued for the duration of the shift and included installing the shower unit in the decontamination unit and applying duct tape to the polyethylene. Previous work day's sampling outside the work area was in compliance.

Project Hours: 2100 - 0600

Air Samples Taken: PA-WOB-7/10-01 thru 04

P 759964

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

OEPM 24

July 12, 1989

Client:	Pan American World Airways, Inc.
Project Address:	JFK International Airport
Work Area:	West Oversize Baggage/Conveyor
ATC Inspector:	Kevin Welsh
Contractor:	APED Co., Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work continued for the duration of the shift and consisted of applying polyethylene sheeting to the walls and floors. Previous work day's sampling outside the work area was in compliance.

Project Hours: 2100 - 0600

Air Samples Taken: PA-WOB-7/12-01 thru 06

P 759965

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 13, 1989

Client:	Pan American World Airways, Inc.
Project Address:	JFK International Airport
Work Area:	West Oversize Baggage/Conveyor
ATC Inspector:	Kevin Welsh
Contractor:	APED Co., Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Preparation work was completed during the shift as contractor applied polyethylene to the remaining areas that lacked sufficient protective sheeting.

Project Hours: 2100 - 0700

Air Samples Taken: PA-WOB-7/13-01 thru 06

P 759966

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 14, 1989

Client:	Pan American World Airways, Inc.
Project Address:	JFK International Airport
Work Area:	West Oversize Baggage/Conveyor
ATC Inspector:	Kevin Welsh
Contractor:	APED Co., Inc.

ATC Environmental, Inc. arrived on-site to perform project management during the preparation of the work area, removal of asbestos-containing fireproofing, and waste load-out. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Since preparation work was completed yesterday, ATC Environmental was able to conduct a prep-inspection of all areas to be affected by the abatement project. The prep-inspection determined that the removal of ACM could begin.

ATC Environmental conducted walk-through inspections of the work area and worker decontamination unit. The walk-through inspections determined that the work area, decontamination unit and procedures therein were acceptable. Negative air pressure was maintained. All critical barriers were intact. Worker decontamination system was maintained.

During the shift, approximately 10 cubic feet of ACM was removed from the site. Waste-load out procedures were observed by ATC Environmental and found to be acceptable.

Previous work day's sampling outside the work area was in compliance.

Project Hours: 2100 - 0630

Air Samples Taken: PA-WOB-7/14-01 thru 06

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 16, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform project management during the removal of asbestos-containing fireproofing and waste load-out. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

During removal, negative air pressure was maintained, all critical barriers were intact and work decontamination system was maintained. The gross removal methods in use were acceptable.

During the shift, approximately 6 yards of ACM was removed from the site. Waste load-out procedures were observed by ATC Environmental and found to be acceptable.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Project Hours: 2100 - 0630

Air Samples Taken: PA-WOB-7/16-01 thru 06

P 759968

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 17, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform project management during the removal of asbestos-containing fireproofing and waste load-out. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

During removal, negative air pressure was maintained, all critical barriers were intact and work decontamination system was maintained. The gross removal methods in use were acceptable.

First stage final cleaning was performed during the shift and consisted of wet-wiping and HEPA vacuuming where ACM was removed as well as all surrounding surfaces. ATC Environmental observed final cleaning procedures and found them to be acceptable.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Project Hours: 2100 - 0630

Air Samples Taken: PA-WOB-7/17-01 thru 06

P 759969

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 18, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform project management during the waste load-out and final cleaning. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Throughout the shift, negative air pressure was maintained, all critical barriers were intact and work decontamination system was maintained. During the shift, approximately 10 cubic feet of ACM was removed from the site by the waste hauler, APED. Waste load-out procedures were observed by ATC Environmental and found to be acceptable.

Second stage final cleaning was performed during the shift and consisted of wet-wiping and HEPA vacuuming where ACM was removed as well as all surrounding surfaces. ATC Environmental observed final cleaning procedures and found them to be acceptable.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Project Hours: 2100 - 0800

Air Samples Taken: PA-WOB-7/18-01 thru 06

OEPM24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 19, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform project management during the waste load-out, final cleaning and encapsulation. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Throughout the shift, negative air pressure was maintained, all critical barriers were intact and the work decontamination system was maintained. Approximately 10 cubic feet of ACM was removed from the site by the waste hauler, APED. Waste load-out procedures were observed by ATC Environmental and found to be acceptable.

Third stage final cleaning was performed during the shift and consisted of wet-wiping and HEPA vacuuming where ACM was removed as well as all surrounding surfaces. ATC Environmental observed final cleaning procedures and found them to be acceptable. After the final cleaning, ATC conducted a pre-final visual inspection of the work area and found it suitable for encapsulation. Encapsulation was performed in an acceptable manner. After encapsulation, ATC conducted a final visual inspection of the work area and found it suitable for final air clearance.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Project Hours: 2100 - 0800

Air Samples Taken: PA-WOB-7/19-01 thru 06

P 759971

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

July 20, 1989

Client: Pan American Worlds Airways, Inc.

Project Address: JFK International Airport, Building #53

Work Area: West Oversize Baggage/Conveyor

ATC Inspector: Kevin Welsh

Contractor: APED

ATC Environmental, Inc. arrived on-site to perform final air clearance. All sampling requirements of NYC law 76/85 were complied with for all pumps set up.

Throughout the shift, negative air pressure was maintained, all critical barriers were intact and work decontamination system was maintained.

The analytical results of the previous work day's sampling outside the work area were in compliance.

Final air clearance sampling was performed in accordance with NYC law 76/85, section 8175, which included aggressive air sampling techniques. Laboratory analysis of the sampling was conducted in accordance with section 8176. Based upon specifications of section 8177, analytical results of the air sampling cleared the work area for reoccupancy.

Project Hours: 0800 - 1800

Air Samples Taken: PA-WOB-7/20-01 thru 07

OEPM24

Laboratory Analysis

HUDSONS
97 THIRD AVENUE
NEW YORK, NY

P 759998

OEPM 24

ATC ENVIRONMENTAL, INC.

DAILY PROJECT LOG

Date: 6/15/88 Inspector: Lumo Tsungu

Project Location: JFK International Airport, Pan Am Terminal

Work Area: Hudson's Shop

Client: Hudson's Contractor:

SUMMARY OF WORK COMPLETED BY CONTRACTOR DURING THE SHIFT

ATC field representative arrived on-site at 2000 and met with the store manager of the News Stand to gain access into the store formally known as the International Shops. ATC representative calibrated and set-up the pumps for pre-abatement air sampling in the store room, which contained cabinets, shelving and counter-cabinets that contained such goods as assorted candies and magazines. The News Stand Manager supplied an employee to stay in the shop for the duration of the sampling period. ATC representative post-calibrated and collected the pumps by 2445, then returned for sample analysis at ATC laboratory and completed work there at 0200.

Project Hours: 2000 - 0200

P 759999

Air Samples Taken: PA-ST-6/15-01 thru 07

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 18, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Enviro Shop

ATC Environmental, Inc. arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

The abatement contractor did not complete all the necessary preparation work. Preparation work is approximately 20% completed and on schedule.

Enviro Safe supervisor and four workers and ATC Environmental, Inc. representative were delayed in gaining access to the site because Pan Am security had not been informed of the projects starting date and, consequently, could not be reached. Work was further delayed by the lack of passes or I.D's for all contractors since security had to double-check abatement personnel whenever they needed to use the nearby men's room.

Contractor completed unloading of all equipment, installation of two layers of poly on most walls, and installation of his own lock on the emergency-exit door.

ATC and contractor representatives noticed an imminent hazard posed by a security gate track. The security gate track prevented poly from being completely installed on the floor. Further more, track was supported only by a counter top shelf jammed underneath it. If this shelf was moved, it would result in the collapse of a portion of the track, causing a potential fiber release from the overhead ducts. Engineering controls, critical barriers and negative air, need to established prior to removing the gate track.

To be continued

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 18, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Enviro Shop

ATC also noticed that there was no stationary engineer on-site to initiate and to maintain positive pressure in ducts above suspended ceiling of the work area. ATC contacted Mr. Sway, Mr. Capasso and Mr. Klimekoski to resolve the following problems: The unavailability of a stationary engineer, the lack of keys to the access doors of the decontamination chambers, lack of I.D. passes, and lack of running water in the work area.

ATC advised contractor that negative air filtration units be installed because of the hazard posed by security gate track.

Project Hours: 2100 - 1200

Air Samples Taken: JFK-1/18-001 thru 005

OEPM24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 19, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Enviro Shop

ATC Environmental, Inc. arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

The abatement contractor did not complete all the necessary preparation work. The preparation work is approximately 60% completed and on schedule.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85.

Enviro Safe and ATC Environmental, Inc. were delayed in gaining access to the site because they lacked a key to the decontamination unit (D-con). Contractor unloaded negative air units. ATC cautioned the contractor about the hazard posed by the security gate track.

ATC met with Pan Am engineering personnel, Mike Halana and Henry Petschauer, who assured ATC that positive pressure in the ducts was established this afternoon and would be maintained.

ATC recommended that the work area, as presently planned, lacks enough room for both equipment and waste and that the D-con will have to be expanded onto the sidewalk. Longer ladders, 12 foot, will have to be brought into the work area to replace the 6 and 8 foot ladders.

No work is scheduled from Saturday night through Sunday. Work will resume Monday morning.

Project Hours: 2100 - 0900

Air Samples Taken: JFK-1/19-006 thru 010

P 760002

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 20, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Enviro Shop

ATC Environmental, Inc. arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85.

The signage, critical barriers, showers and isolation of the decontamination unit are in complete. Contractor needs to post bilingual OSHA signs, state and local laws, emergency phone numbers, building department permit and notification of removal, and fire-evacuation plan. Contractor also needs to establish a worker/visitor sign-in log that can hold photocopies of the contractor's state and city asbestos licenses. Contractor also needs to post a copy of the HVAC waiver.

Work area lacks negative air pressure differential measurement device and negative air pressure filtration units with exhaust tubes.

Contractor undertook building a custom-built shower.

The abatement contractor did not complete all the necessary preparation work.

Project Hours: 2100 - 0900

Air Samples Taken: JFK-1/20-011 thru 015

P 760003

OEPM24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 22, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental, Inc. arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

The abatement contractor did not complete all the necessary preparation work. The contractor needed to remove suspended ceiling to seal holes in the walls. These holes caused a loss of negative air pressure.

ATC conducted a prep-inspection of the work area and all areas that will be affected by abatement activities. The prep-inspection determined that the removal of ACM could not begin. The contractor needed to seal holes in wall above suspended ceiling and to extend exhaust tubes of negative filtration units away from the decontamination unit. Presently, the exhaust tubes pose the risk of recycling oxygen-depleted air into the decontamination unit. The contractor also needs to decide upon a common entry.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85.

Project Hours: 2030 - 1030

Air Samples Taken: JFK-1/22-016 thru 020

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 23, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental, Inc. arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

The abatement contractor did not complete all the necessary preparation work. Despite seals on HVAC openings, air is still coming in through places besides the decontamination chambers. ATC observed several openings in the containment: two were in the false soffit above the remaining gate track; other (half-dozen) were in the walls between, beside or above ducts. ATC advised contractor to seal all openings prior to removal by using foam, poly, tape and plywood.

ATC conducted a prep-inspection of the work area and all areas that will be affected by abatement activities. The prep-inspection determined that the removal of ACM could not begin. Four negative air machines still do not make the slightest movement among the flaps in any of the airlock. Manometer does not register more that 5 to 10% of required difference in air pressure inside of the containment. ATC advised the contractor to bring three more large negative air machines tomorrow.

ATC conducted walk-through inspections of the work area and worker decontamination system. The walk-through inspections determined that the work area, decon and the procedures therein were unacceptable. Negative air pressure was not maintained. All critical barriers found were intact. Work decontamination system was not maintained. Besides the negative air flow problem, decontamination unit lacked water on a continuous basis. Passing vehicular traffic had broken the water hose to the unit, and contractor only reconnected the hose when water was needed in the unit. This action led to the abatement workers leaving the decontamination unit without showering. ATC advised the contractor to find an alternative water supply not subject to traffic.

P 760005

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 23, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Inspector: Curtis Preston Contractor: Envirosafe

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85 outside the work area and not in compliance of NYC law 76/85, greater than 0.01 f/cc. Contractor and client were informed of the elevated fiver counts inside the work area.

Project Hours: 2100 - 0900

Air Samples Taken: JFK-1/22-121 thru 125

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 24, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level 4, Hudson's Shop

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental Inc arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the three pumps set up.

The abatement contractor did not complete all the necessary preparation work. ATC observed wall openings above ducting several square feet in size. ATC advised contractor to poly these openings. ATC was informed by contractor;s supervisor that it would be done tonight so removal could begin tomorrow. ATC conducted a prep-inspection of the work area and all areas that will be affected by abatement activities. The prep-inspection determined that the removal of ACM could not begin. Improper air flow must be reversed, and there must be at least 0.01 difference in pressure.

ATC conducted walk-through inspections of the work area and worker decontamination system. The walk-through inspections determined that the work area, decon and the procedures therein were acceptable. Negative air pressure was not maintained. All critical barriers were intact. Worker decontamination system was maintained.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85

Project Hours: 2100 - 1030

Samples Taken: JFK-1/24-026 thru 032

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 25, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental Inc arrived on-site to manage the project during preparation activities. All sampling requirements of NYC law 76/85 were complied with for the three pumps set up.

The abatement contractor did complete all the necessary preparation work. ATC conducted a prep-inspection of the work area and all areas that will be affected by abatement activities. The prep-inspection determined that the removal of ACM could not begin. The necessary air flow and pressure difference were not obtained.

ATC conducted walk-through inspections of the work area and worker decontamination system. The walk-through inspections determined that the work area, decon and the procedures therein were acceptable. Negative air pressure was not maintained, as verified by smoke testing, and air flow testing. All critical barriers were intact. Worker decontamination system was maintained.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85

Project Hours: 2100 - 1030

Samples Taken: JFK-1/24-031 thru 035

P 760008

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 27, 1989

Client: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level 4, Hudson's Shop

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental Inc arrived on-site to manage the project during preparation activities and removal of chyrsotile. All sampling requirements of NYC law 76/85 were complied with for the three pumps set up.

The abatement contractor did complete all the necessary preparation work. ATC conducted a prep-inspection of the work area and all areas that will be affected by abatement activities. The prep-inspection determined that the removal of ACM could begin. Proper air flow and 0.01 negative air pressure differential was achieved at 2120. Contractor was advised by ATC that removal could begin.

ATC conducted walk-through inspections of the work area and worker decontamination system. The walk-through inspections determined that the work area, decon and the procedures therein were acceptable. Negative air pressure was maintained. All critical barriers were intact. Worker decontamination system was maintained. Gross removal methods in use were acceptable.

Waste load-out was performed during the shift. ATC observed the waste load-out and found it to be acceptable. Approximately 75 bags of ACM were removed in the waste load-out. The waste hauler was Contractor and the hauler's permit number will be sent to the client.

First stage, final cleaning was performed during during the shift, and it consisted of wet wiping and HEPA vacuuming of the surfaces from which ACM was removed as well as all surrounding surfaces. ATC observed the cleaning procedures and found them to be acceptable.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85

Project Hours: 2030 - 0900

Samples Taken: JFK-1/27-036 thru 040

P 760009

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 30, 1989

Client: Hudson's Shop

Project Address: JFK Pan AM Building #53

Work Area: Area 8 Departure Level Hudson's Shop

Inspector: Curtis Preston Contractor: Envirosafe

ATC Environmental, Inc. arrived on-site to manage the project during final cleaning. All sampling requirements of NYC law 76/85 were complied with for the 3 pumps set-up.

ATC conducted a walk-through inspections of the work area and worker decontamination system. The walk-through inspections determined that the work area, decon and the procedures therein were acceptable. Negative air pressure was maintained. All critical barriers were intact. Worker decontamination system was maintained. Gross removal methods in use were acceptable.

Waste load-out was performed during the shift. ATC observed the waste load-out and found it to be acceptable. Approximately 5 bags of ACM were removed in the waste-load out. the waste hauler was the contractor and the hauler's permit number will be sent to the client.

Second and third stage final cleaning was performed during the shift, and it consisted of wet-wiping and HEPA vacuuming of the surfaces from which ACM was removed as well as all surrounding surfaces. ATC observed the cleaning procedures and found them to be acceptable.

To be continued

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT

January 30, 1989

Client: Hudson's Shop

Project Address: JFK Pan AM Building #53

Work Area: Area 8 Departure Level Hudson's Shop

Inspector: Curtis Preston Contractor: Evirosafe

After the final cleaning, ATC conducted a pre-final visual inspection of the work area, and the work area was found to be suitable for encapsulation. Encapsulation procedures were performed in an acceptable manner. After encapsulation, ATC conducted a final inspection, which determined that the work area was suitable for final air clearance.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85.

Project Hours: 2030 - 0800

Air Samples Taken: JFK-1/30-041 thru 045

OEPM 24

ATC ENVIRONMENTAL INC.
PROJECT MANAGEMENT DAILY REPORT
01 / 31 / 89

Client: Hudson's Shop

Location: JFK-PAN AM Building #53

Work Area: Area 8, Departure level Hudson's Shop

Inspector: Curtis Preston Contractor: Enviro. Safe

ATC Environmental Inc. arrived on-site to manage the project during final air clearance. All sampling requirements of NYC law 76/85 were complied with for the 5 pumps set up.

After encapsulation, ATC conducted a final visual inspection, which determined that the work area was suitable, for final air clearance.

Fiber counts of all the previous day's sampling outside the work area were in compliance of NYC law 76/85, greater than .01 f/cc. Contractor and client were informed of the elevated fiber counts.

Final Air clearance sampling was performed in accordance with NYC law 76/85, section 8175. Laboratory analysis of the sampling was conducted in accordance to section 8176. Based upon section 8177, results of the laboratory analysis cleared the area for reoccupancy.

Project Hours: 23:35 - 07:00

Air Samples Taken: JFK-PAN-AM-046 thru 052

OEPM 24

ATC ENVIRONMENTAL INC.
104 East 25th Street • New York, NY 10010 (212) 353-8280

February 2, 1989

Mr. Lloyd Mishkin
Hudson's Shop
97 Third Avenue
New York, N.Y. 10003

Mr. Lloyd Mishkin:

RE: Air sampling clearance for reoccupancy of abatement in JFK-PAN AM building #53, Area 8-Departure Level.

The attached air sample results were all found to be less than 0.01 f/cc, the recommended level for "clean air". It is also my understanding that the site passed a final visual inspection by ATC representative Mr. Curtis Preston.

With the above mentioned results of the air sampling and final inspection it is our opinion that the abated area in question is ready for reoccupancy. If there are any questions regarding this project please contact us at (212) 353-8280.

Sincerely,

Robert E. Adamson

Robert E. Adamson
Director of Laboratory Services
Optical Microscopy

REA/drb
Encl.

P 760013

OEPM24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's

Site Address: JFK International Airport
Pan Am Terminal

Work Area: Hudson's Shop

Date of Sample: 6/15/88

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
PA-ST-6/15-01	Blank				
PA-ST-6/15-02	Blank				
PA-ST-6/15-03	Air sample taken next to door, entrance to the store "pre-abatement".	2108	2431	1279.71	0.004
PA-ST-6/15-04	Air sample taken north of middle of store "pre-abatement".	2104	2430	1418.93	0.003
PA-ST-6/15-05	Air sample taken on the north end of the store "pre-abatement".	2054	2256	1714.10	0.004
PA-ST-6/15-06	Air sample taken in the middle of the store "pre-abatement".	2053	2255	1765.34	0.004
PA-ST-6/15-07	Air sample taken on the south end of the store "pre-abatement".	2052	2254	1772.66	0.003

* Liters

P 760014

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Date of Sample: 1/18/89

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/18-001	Field Blank				
JFK-1/18-002	Field Blank				
JFK-1/18-003	Along retail corridor behind and immediately adjacent to containment exterior wall.	1100	0500	2340	<0.002
JFK-1/18-004	Inside containment in the east end opposite the emergency exit.	0025	0525	1710	0.097
JFK-1/18-005	Inside the clean room adjacent to the electrical panel boxes.	0030	0530	2130	0.058

* Liters

P 760015

OEPM24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Date of Sample: 1/19/89

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/19-006	Field Blank				
JFK-1/19-007	Field Blank				
JFK-1/19-008	Along retail corridor behind and immediately adjacent to containment exterior wall.	1115	0515	2556	0.007
JFK-1/19-009	Inside containment in the east end opposite the emergency exit.	1110	0510	2160	0.008
JFK-1/19-010	Inside the clean room adjacent to the electrical panel boxes.	1105	0505	2772	0.007

* Liters

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Date of Sample: 1/20/89

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/20-011	Field Blank				
JFK-1/20-012	Field Blank				
JFK-1/20-013	Retail corridor - adjacent to and immediately behind exterior wall of containment.	2115	0515	3216	0.002
JFK-1/20-014	Inside containment east end of work area opposite emergency exist.	2120	0520	3264	0.078
JFK-1/20-015	Inside clean room adjacent to electrical panel boxes.	2125	0525	3552	0.072

* Liters

P 760017

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level, Hudson's Shop

Date of Sample: 1/22/89

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/22-016	Field Blank				
JFK-1/22-017	Field Blank				
JFK-1/22-018	Retail corridor - adjacent to and immediately behind exterior wall of containment.	2040	0840	4752	0.002
JFK-1/22-019	Inside containment east end of work area opposite emergency exist.	2045	0845	4824	0.028
JFK-1/22-020	Inside clean room adjacent to electrical panel boxes.	0250	0850	5184	0.048

* Liters

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Date of Sample: January 23, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/23-121	Field Blank				
JFK-1/23-122	Field Blank				
JFK-1/23-124	Outside containment in retail corridor adjacent to and immediately behind south wall.	2150	0520	3060	0.002
JFK-1/23-125	Inside containment at east end near Emergency Exit.	2155	0525	2790	0.010
JFK-1/23-126	Inside clean room of worker decontamination chamber.	2200	0530	3150	0.028

* Liters

OEPM24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Date of Sample: January 24, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/24-026	Field Blank				
JFK-1/24-027	Field Blank				
JFK-1/24-028	Outside containment in retail corridor adjacent to and immediately behind south wall.	2215	0615	3360	<0.001
JFK-1/23-025	Inside containment at east end near Emergency Exit.	2220	0620	2976	0.043
JFK-1/23-026	Inside clean room of worker decontamination chamber.	2225	0625	3456	0.003

* Liters

P 760020

OEPM24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Departure Level

Date of Sample: January 25, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/25-031	Field Blank				
JFK-1/25-032	Field Blank				
JFK-1/25-033	Outside containment in retail corridor adjacent to and immediately behind south wall.	0010	0510	2190	<0.002
JFK-1/25-034	Inside containment at east end near Emergency Exit.	0015	0515	1950	0.016
JFK-1/25-035	Inside clean room of worker decontamination chamber.	0020	0520	2100	0.016

* Liters

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Date of Sample: January 27, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/27-036	Field Blank				
JFK-1/27-037	Field Blank				
JFK-1/27-038	Outside containment in retail corridor adjacent to and immediately behind south wall.	2130	0730	4320	<0.001
JFK-1/27-039	Inside containment at east end near Emergency Exit.	2135	0735	3780	0.003
JFK-1/27-040	Inside clean room of worker decontamination chamber.	2140	0740	4260	0.007

* Liters

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Project Address: JFK, Pan AM Building #53

Work Area: Area 8, Level 3

Date of Sample: January 30, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
JFK-1/30-041	Field Blank				
JFK-1/30-042	Field Blank				
JFK-1/30-043	Outside containment in retail corridor adjacent to and immediately behind south wall.	2150	0550	3408	<0.001
JFK-1/30-044	Inside containment at east end near Emergency Exit.	2155	0555	2976	<0.002
JFK-1/30-045	Inside clean room of worker decontamination chamber.	2200	0600	3360	<0.001

* Liters

OEPM 24

ATC ENVIRONMENTAL, INC.

TABLE 1

Client Name: Hudson's Shop

Site Address: JFK-PAN AM Building #53

Work Area: Area 8, Departure level Hudson's Shop

Date of Sample: January 31, 1989

SAMPLE #	SAMPLE LOCATION	TIME ON	TIME OFF	AIR VOLUME*	F/CC
FINALS					
JFK-PAN-AM-046	Field blank				
JFK-PAN-AM-047	Field blank				
JFK-PAN-AM-048	Inside containment north east corner breathing zone level - aggressive.	0030	0440	3000	0.002
JFK-PAN-AM-049	Inside containment south east corner breathing zone level - aggressive.	0050	0500	3250	0.003
JFK-PAN-AM-050	Inside containment center - breathing zone level - aggressive.	0100	0510	3500	0.001
JFK-PAN-AM-051	Inside containment south west corner breathing zone level - aggressive.	0110	0520	3500	0.001
JFK-PAN-AM-052	Inside containment north west corner breathing zone level - aggressive.	0115	0525	3750	<0.001

All above results regarding fiber concentration are well below the acceptable limits of 0.01 f/cc.

*Liter

P 760024

PAN AMERICAN WORLD AIRWAYS

PASSENGER TERMINAL EXPANSION

JOHN F. KENNEDY INTERNATIONAL AIRPORT

SECTION 9K

SPRAYED FIREPROOFING

9K-01. WORK INCLUDED

This section covers sprayed fireproofing for the structural steel (not encased in concrete) and the underside of the metal decking.

1

9K-02. ACCEPTANCE AND PERFORMANCE CRITERIA 835-23

a. General. The sprayed fireproofing shall have been tested by Underwriter's Laboratories, Inc., in accordance with requirements of ASTM Designation E119-67, Standard Methods of Fire Tests of Building Construction and Materials, and shall also have the approval of the New York City Board of Standards and Appeals (NYCBSA).

b. Fireproofing Requirements. The structural steel members shall be protected with adequate fireproofing material of thicknesses and densities required to provide the fire resistance rating required by the Building Code. The sprayed fireproofing beneath the deck assembly together with adequately proportioned concrete fill above the metal decking shall provide the fire resistant deck assembly as required by the Building Code.

1

c. Bond Strength. Minimum bond strength between the fireproofing material and the structural steel or metal decking shall be not less than five hundred (500) pounds per square foot when set and dry.

d. Erosion Resistance. The fireproofing material shall not be subject to losses from the finished application by sifting, flaking or dusting. This performance shall be measured by the results of a test for erosion resistance when subjected to high velocity air flow across the surface of dried samples. The samples thus tested must be representative of machine applied material similar to that which can be expected on the project.

1 9K-03. MATERIALS

a. General. The sprayed fireproofing materials shall be mill-mixed and shall be delivered in original, unopened packages bearing the name of the product, the manufacturer's name and the Underwriters' Laboratories, Inc. label. The materials shall be stored off the ground, undercover, and away from damp surfaces. Materials shall be kept dry until ready for use. Materials that have been exposed to water before actual use shall be discarded.

1 b. Fireproofing Material. All fireproofing materials shall have the approval of the New York City Board of Standards and Appeals, and shall be one of the following products:

1 (1) Without Asbestos. The sprayed fireproofing material shall be cementitious type, shall not contain asbestos material, and shall be Mono-Kote 4 (without asbestos) as manufactured by Zonolite Division of W. R. Grace & Co., or approved equal.

1 (2) Asbestos Containing Material. The sprayed fireproofing material shall be cementitious type, and may be Mono-Kote 3, which contains asbestos, as manufactured by Zonolite Division of W. R. Grace & Co., or approved equal, provided that its application procedures comply with the Order of the Commissioner, New York City Department of Air Resources, entitled "In the Matter of the Spraying of Asbestos Containing Material", effective June 23, 1970.

1 c. Water. Water shall be clean, fresh and free from organic and mineral impurities which would be harmful to the sprayed fireproofing materials.

1 9K-04. INSTALLATION 835-23

Application of sprayed fireproofing material shall be in accordance with the printed instructions of the manufacturer, the requirements specified in Clause 9K-03b(2) above, and the fire test report information. Only experienced applicators, approved by the materials manufacturer and Architect shall be allowed to place the materials. A qualified manufacturer's representative shall be present for initial application to guide and assist applicator's personnel. All surfaces to which sprayed fireproofing will be applied shall be thoroughly cleaned of oil, grease, dirt, loose paint, mill scale or any other matter which would impair bond. Temperatures and enclosure conditions shall be as specified by the materials manufacturer. All patching and repairing of sprayed fireproofing, due to cutting by other trades, shall be performed under this section.

9K-05. CLEAN-UP

1 After completion of fireproofing work, equipment shall be removed and all wall and floor areas cleaned of deposits of sprayed fireproofing materials.

THE PORT AUTHORITY

To: Kevin Bleach - ALTF - IWTD Room No. 37E

From: Paul A. Fernandez / Tenant Liaison / JFK / (718) 656-2584

Date 5 / 11 / 90

JDM 215.125

Re: Y-6256A - Pan Am - Bldg 53
Concourse Level Refugee
Lounge. Asbestos Abatement

For your files: Asbestos Certification Letter and
Permit Application
Waiver Letter

Paul Fernandez

cc: Carolyn Clancy

TP 18191

Defense Exhibit

DX-1190

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
Asbestos Certification Letter and Permit Application

Pan Am - Bldg 53 - Concourse Level Refugee Lounge - Asbestos Abatement

Instructions: Part One or Two of the Asbestos Certification Letter and Permit Application shall be completed and submitted with form PA-531. If Part Two indicates that asbestos containing material will be disturbed during the term of the project, then complete Part Three, Asbestos Abatement Permit Application.

Part One - Certification of a Non-Asbestos Project

The area of construction has been surveyed and no asbestos containing material (ACM) is present or will be disturbed during the course of this project. Complete one of the following:

NJ Facility:

Name of Professional Engineer or Architect	Signature of Professional Engineer or Architect	License No.	Date

NY Facility: PAN-AM BLDG. 53 REFUGEE LOUNGE- CONCOURSE LEVEL JFKIA

Name of Certified NYC Investigator	Signature of Certified NYC Investigator	Certification Number	Date

Part Two - Certification of an Asbestos Project

The area of construction has been surveyed, samples have been taken and the test results of the suspect asbestos containing material (acm) reveals the following:

ACM - PRODUCT	TYPE OF ASBESTOS	APPROX. % OF ASBESTOS	No. of Samples	No. of Positive
Spray-on Material	CHRYSOTILE	3-4	2	2
Pipe Insulation				
Boiler Insulation				
Other				

Note: Type of Asbestos = Chrysotile, Amosite, Crocidolite, Anthophylllite, Tremolite and Actinolite

Name of Certified Environmental Consultant	Signature of Certified Environmental Consultant	Environmental Consultant Certificate No.	Date
AL PEREZ	[signature]	ABIH #3300	4-12-90

TP 18192

D. ABATEMENT METHOD
1. Glove Bag Procedure
2. Full Site Containment X
3. Partial Containment
4. Structural Containment (Enclosure)
5. Other

E. ASBESTOS ABATEMENT CONTRACTOR
Name: Advatex Asbestos Abatement
License Number: AC-88-0765
Address: 1501 Broadway, NY, NY 10036
Telephone Number: 212-921-0600
Contractor Project Supervisor: Stan Proskurnia
Principal: Joseph P. Donnolo

F. ASBESTOS WASTE DISPOSAL HAULER
Name: Brookdale Environmental, Inc.
Address: 1117 Old Country Rd. Plainview, NY1
Telephone Number: 516-938-0065

G. ENVIRONMENTAL LAB
Name: ATC Environmental, Inc.
Address: 104 East 25th Street, NY, NY 10010
Telephone Number: 212-353-8280

H. ESTIMATED ABATEMENT SCHEDULE (see attached Waiver Letter)
Start Date: May 17, 1990 Completion Date: June 13, 1990

I. TENANT CONTACT
Name: Mr. Frank Grill
Telephone Number: 718-632-6038

Part Four - INFORMATION TO BE FURNISHED BY THE LINE DEPARTMENT

A. TAA No.: Y-6256A Cost Recovery No.: 215.125
B. Line Department Project Manager: Paul Fernandez
Telephone Number: (718) 6 6- 584

Part Five - APPROVAL BY PORT AUTHORITY:

The asbestos abatement permit application has been reviewed and the specifications, drawings, and the information in items 3-7 have been approved.

Environmental Engineering
Signature:
Title:
Date:
KF 5/10/90

Environmental Management Division
Signature:
Title:
Date:
Permit No.

TP 18193

Part Three - Asbestos Abatement Permit Application

A. LOCATION:

Facility	Pan Am, JFKIA
Building No.	53
Building Area	Refugee Lounge, Gate 2
A. Boiler Room	
B. Mechanical Equipment Room	
C. Other	New Men's Toilet

B. PURPOSE: Reason for abatement: Operation & Maintenance ____
Demolition ____ Renovation X Other ____

C. SCOPE OF WORK, TYPE OF MATERIAL AND ASSOCIATED COSTS:

1. Removal	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	300	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		L.FT.
	Other		
	Total Cost Of Abatement (Materials, Labor, Disposal, etc.) *	$ 12,050.00	
2. Replacement	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	300	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		
	Other		
	Total Cost Of Replacement (Materials, Labor, etc.) *	$ 750.00	
3. Cleanup/Repair	(Indicate Quantity	4875	CU.FT.
	Total Cost Of Cleanup (Labor, Disposal, etc.)*	$ 12,800	
4. Size Of Site Containment		325	SQ.FT.

5. Does the scope of work described in this tenant alteration application include work other than asbestos abatement ? Yes X No ____

TP 18194

WAIVER LETTER
ASBESTOS REMOVAL

Asbestos abatement, when required by law, adds signficantly to the cost of renovation and/or reconstruction. To offset such costs, the Port Authority has instituted litigation against miners and manufacturers of asbestos containing materials to recover for the property damage caused by the presence of these materials at its facilities.

The Port Authority intends to include expenses incurred by tenants in its lawsuit against the miners and manufacturers of the asbestos products found within Port Authority buildings for all tenants who provide the following information and assistance within the time frames listed below:

1. Access to the area to be abated by the Port Authority and defendants for the purpose of inspection and sampling of asbestos containing materials prior to erection of containment barriers, and 50 days notice in advance of the start of abatement. This sampling program is outlined in Attachment 1.

2. The building information outlined in Attachment 2 within 90 days of the date of final approval of the Tenant Alteration Application.

3. The property damage information including actual costs outlined in Attachment 3 within 90 days of the date of completion of the asbestos removal project.

4. Additional documentation when required for the furtherance of the litigation.

5. Possible production of witnesses for deposition or trial.

Even if tenants do provide this information and cooperate with the Port Authority's litigation, there is no assurance that the Port Authority will realize a recovery on their behalf. Tenants should, therefore, investigate all legal

alternatives available to them at this time.

If however, the tenant decides not to comply with the requirements of the litigation summarized above, thereby possibly foregoing the opportunity of being partially or totally reimbursed for expenses incurred, such tenants must complete and sign the waiver below and return it with their application.

Regardless of whether or not the tenant cooperates with the litigation, the Port Authority of New York and New Jersey Asbestos Certification Letter must be completed and submitted with PA-532, Tenant Construction or Alteration Application. The Tenant Construction or Alteration Application will not be accepted without the Certification Letter being complete.

WAIVER

_____
(Applicant's name as it appears on lease or permit), hereby waives the right to reimbursement from the Port Authority for asbestos abatement costs, and waives the right to bring suit against the Port Authority for any cause relating to the presence of asbestos in the premises covered by the lease or permit under which this Tenant Alteration Application is submitted.

PAN AMERICAN WORLD AIRWAYS INC
Applicant's Name As It Appears
On Lease Or Permit

Frank Siel
(By)
DIRECTOR DESIGN & CONST
~~President~~
(Title)

1/89

TP 18196

SPECIFICATIONS

FOR

DOMESTIC ARRIVALS TERMINAL

Bldg 53

PAN AMERICAN WORLD AIRWAYS
JOHN F. KENNEDY INTERNATIONAL AIRPORT
JAMAICA, NEW YORK

JUNE 1969

JOHN L. O'BRIEN, JR. - ARCHITECT
101 Park Avenue
New York, New York 10017

PFISTERER, TOR & ASSOCIATES
Structural Engineers
42 West 39th Street
New York, New York 10018

OFFICE OF ERNEST P. FRANCK
Mechanical Engineers
200 South Service Road
New York, New York 11577

0012971

SPECIFICATION INDEX
FOR
DOMESTIC ARRIVALS TERMINAL
PAN AMERICAN WORLD AIRWAYS
JOHN F. KENNEDY INTERNATIONAL AIRPORT
JAMAICA, NEW YORK

INVITATION TO BID
INSTRUCTIONS TO BIDDERS
BID BOND (OR BID SECURITY)
PROPOSAL
GENERAL CONDITIONS - A.I.A. Document A201
SUPPLEMENTARY GENERAL CONDITIONS

TECHNICAL SECTIONS

SECTION 9G

SPRAYED-ON FIREPROOFING

SCOPE OF WORK

a. General: Provide all labor, materials, equipment and services and perform all operations required for complete installation of all sprayed-on fireproofing and related work as indicated on the drawings or specified herein, and in accordance with all applicable requirements of the Contract Documents.

b. Work Included: The work shall include, but not be limited to the following:

(1) Sprayed-on fireproofing on all beams, girders, metal deck system (where required), and other structural steel not otherwise fireproofed by masonry fireproofing.

APPLICABLE STANDARDS

a. Codes and Regulations

(1) Except as otherwise indicated on the drawings or specified herein, all work under this section shall conform to the applicable requirements of the local Building Code and regulations of all governmental authorities having jurisdiction.

(2) Where requirements indicated on the drawings or specified herein, differ from the Building Code or the requirements of the governmental authorities having jurisdiction, the more stringent requirements shall govern.

(3) Before application of any fireproofing material, the Contractor shall furnish to the Architect documentary evidence that the proposed application has been approved by the authorities having jurisdiction for the intended use.

MATERIALS

a. General: Sprayed-on fireproofing system shall be "Gold Bond Fire-Shield Plaster" as manufactured by National Gypsum Co., "Red Top Firecode "V" Plaster" as manufactured by U.S. Gypsum Co., "Mono-Kote" as manufactured by the Zonolite Division, W.R. Grace & Co., or approved equal, and conforming to the following requirements.

(1) Sprayed-on fireproofing shall have been tested by the Underwriters' Laboratories, Inc., in accordance with the Fire Hazard Classification, Guide No. 40 U8.4 1/2, meeting the requirements of NFPA Pamphlet No. 220. Each bag of material shall bear the UL label indicating that the fireproofing materials be used in accordance with construction details in accordance with Underwriters Laboratories Guide No. U18.3, for Cementitious Mixtures.

b. Water shall be clean, fresh and potable.

MANUFACTURERS' LITERATURE

a. Copies of manufacturers' latest published literature on all materials specified herein shall be submitted for Architect's approval.

DELIVERY AND STORAGE

a. All packaged materials shall be delivered to the site in original, unopened containers, clearly indicating manufacturer's name, brand name and other identifying information.

b. Materials shall be stored in a dry location, off the ground and in such manner as to prevent damage or intrusion of foreign matter. All materials which in the opinion of the Architect have become damaged or otherwise unfit for use, during delivery or storage shall be replaced at the expense of the Contractor.

THICKNESS OF SPRAYED-ON FIREPROOFING

a. The thickness of the completed sprayed-on fireproofing installation shall be such as to provide the hourly fire resistance rating for the various locations listed below, and in accordance with the requirements referenced above. The Contractor shall submit certified performance test data from a recognized laboratory, approved by the Architect, confirming that the fireproofing material proposed for use, has the ratings required for the thickness of material to be used. Interpolated or extrapolated data will not be accepted.

(1) Beams, girders, etc. - 2 hours

(2) Columns - 2 hours

(3) Metal deck - 1 hour

APPLICATION

a. General: All sprayed-on fireproofing work shall be performed by skilled workmen under the direct supervision of, and using equipment as recommended by, the approved fireproofing material manufacturer.

b. Preparation

(1) Surfaces to receive sprayed-on fireproofing shall be thoroughly cleaned of dirt, dust, oil, loose paint, galvanizing particles and any other materials which would prevent proper adhesion of the fireproofing material.

(2) Sprayed-on fireproofing shall not be applied when the outdoor temperature or the temperature of the steel is below 55 deg. F. or likely to fall below that temperature within 48 hours after the application. If, in order to maintain the required job progress, the Contractor is obliged to apply the fireproofing at temperatures below 55 deg. F., he shall provide all necessary temporary heat and protection in order to maintain a temperature of 55-70 deg. F. before, during and for 48 hours after application.

c. Workmanship

(1) Sprayed-on fireproofing shall be applied in strict conformance with the manufacturer's latest printed instructions and of thicknesses specified above in accordance with code requirements and referenced standards.

(2) Damaged or disturbed portions of the finished sprayed-on fireproofing installation shall be repaired at no additional cost to the Owner.

CLEANING AND PROTECTION

a. Upon completion of the work, all unused materials, containers and equipment shall be removed from the site. All floors, walls, and other adjacent surfaces that are stained, covered with fireproofing material marred or otherwise damaged by work under this section shall be cleaned and repaired and all work and the adjacent areas shall be left in a clean and perfect condition.

b. All completed work shall be adequately protected from damage by subsequent building operations and effects of weather. Protection shall be by methods recommended by the manufacturer of installed materials and as approved by the Architect.

31. GAS PIPING SYSTEM

a. The Contractor shall furnish, set, connect and test all gas piping to all outlets, equipment and appliances as shown on plans.

b. The Contractor shall arrange with the Brooklyn Union Gas Co. for the installation of a 2 1/2" valved gas connection into the existing meduim pressure gas service main. From this connection arrangements shall be made with the Brooklyn Union Gas Co. to install a 21/2" gas service main to the gas regulator as shown on the plans.

c. Underground piping shall be protected and installed as required by the Brooklyn Union Gas Co.

d. Service control valve, regulator and meter shall be in accordance with the requirements of the Brooklyn Union Gas Co. Gas meter shall be installed where indicated.

e. Underground Gas Service Piping shall be installed in a trench above with a minimum of 2'6" cover. The distance from any electric underground service line shall be 3'0" minimum or as otherwise directed by the Brooklyn Union Gas Co.

f. Pipe and fitings installed underground shall be given two (2) coats of bitumastic paint, and wrapped with two layers of tar saturated woven asbestos fabric.

g. Every outlet, piece of equipment, or appliance having a gas connection, shall be separately controlled, each by a full-sized American Car & Foundry Co. lubricated full-way 125 lb. plug valve with square shoulder and removable wrench.

h. Capped drips shall be installed at the foot of each riser and all gas piping shall be installed so that it will drain back to the risers.

i. All pipes shall be properly, frequently and securely supported, so as to be free from deflection, movement and vibration.

j. All pipes shall be installed in straight, workmanlike alignment and even spacing.

Building House Sewer	C26-1606.4(b)
Water Systems	C26-1606.4(c)
Gas Piping Systems	C26-1606.4(d)
Standpipe System	C26-1702.20

33. COVERING

a. All insulation shall be applied over clean dry surface with all joints firmly butted together.

b. All openings, joints, laps and end strips shall be sealed against moisture penetration with vapor barrier cement, J-M No. 42 Adhesive or approved equal. All vapor barriers shall be of the fire retardant type.

c. All insulation exposed to view shall be finished with 8 oz. pasted canvas. On chilled and cold water exposed to view, 8 oz. canvas shall be pasted over sealed vapor barrier. Insulation concealed from view, (except that with vapor barrier jacket) shall be finished with standard canvas jacket. All canvas tabs shall be pasted down with No. 40 adhesive.

d. All insulation concealed from view shall be further secured with at least two metal bands per section. Bands shall be omitted under 8 oz. canvas.

e. Insulation shall be protected at hangers by a section of calcium silicate pipe insulation and a metal shield on the outside of the insulation. The above applies to glass fiber insulation. All hollow steel protection saddles shall be filled with loose glass fiber insulation.

f. All covering specified above shall be continuous through walls, partitions and floors.

g. For cold water and pump discharge material shall be 3/4" thick glass fiber pipe insulation Johns-Manville Micro-Lok or approved equal, with white Flame retardant vapor barrier jacket. Fittings, valves and flanges shall be insulated with glass fiber blanket 1 pcf minimum density, wrapped firmly under compression (minimum 2:1), tied with jute twine, given a smoothing coat of

finishing cement, and further vapor sealed with canvas (8 oz. on exposed) embedded between two coats of J-M No. 40 adhesive or approved equal.

h. For hot water supply and return piping use glass fiber pipe insulation, Johns-Manville Micro-Lok or approved equal, in the 3/4" thickness. For fittings, valves and flanges under 4", insulating cement. Over 4" segments, blocks or preformed sections of pipe insulatinn wired in place and given a smoothing coat of asbestos cement. Thickness and finish same as adjacent pipe insulation.

i. For horizontal storm water leaders the material shall be 1" thick Glass Fiber pipe insulation, Johns-Manville Micro-Lok with flame retardant vapor barrier jacket (Flame-Bar" or approved equal. Fittings, valves and flanges shall be insulated with glass fiber blanket 1 pcf minimum density, wrapped firmly under compression (minimum 2:1), tied with jute twine, given a smoothing coat of finishing cement, and further vapor sealed with canvas (8 oz. on exposed) embedded between two coats of J-M #40 adhesive or approved equal.

j. Piping subject to freezing shall be further protected by 1-1/2" thick glass fiber pipe insulation applied over above specified insulation. Finish for inside layer of insulation shall be omitted and placed over outside layer.

34. CONNECTION FOR HEATING CONTRACTOR

a. Provide and install cold water and waste connections for various heating requirements shown on drawings and on heating plans.

b. These consist of the following:

1. Water connection for filling heating system - 1/2" c. w.

35. DRAIN VALVES

a. It shall be possible to drain the water from all sections of the hot, cold, circulating and drinking water piping. Where

3. THERMAL INSULATION FOR PIPING

a. All insulation shall be applied over clean dry surfaces with all joints firmly butted together.

b. All openings, joints, laps and end strips shall be sealed against moisture penetration with vapor barrier cement, J-M #47 adhesive or approved equal.

c. All insulation exposed to view shall be finished with 8 oz. pasted canvas. On chilled and cold water exposed view, 8 oz. canvas shall be pasted over sealed vapor barrier. Insulation concealed from view, (except that with vapor barrier jacket) shall be finished with standard canvas jacket. All canvas laps shall be pasted down with J-M #40 adhesive.

d. All insulation concealed from view shall be further secured with at least two metal bands per section. Bands shall be omitted under 8 oz. canvas.

e. Insulation shall be protected at hangers by a section of calcium silicate pipe Insulation and a metal shield on the outside of the insulation. The above applies to glass fiber insulation. All hollow steel protection saddles shall be filled with loose glass fiber insulation.

f. For hot water supply and return and condensate piping:

1. Material: Glass fiber pipe insulation, Johns-Manville Micro-Lok or approved equal, with a thickness of 3/4".

2. Fittings, Valves and Flanges: Shall be insulated with 1 p.c.f. minimum density glass fiber blanket, Johns-Manville Microlite or equal, wrapped under compression (minimum 2:1), tied with jute twine and given a coat of insulating cement. Finish and thickness shall be the same as adjacent pipe insulation.

g. For refrigerant suction piping:

1. Material: Foamed plastic pipe insulation, Johns-Manville Aerotube or approved equal. 1/2" thick.

2. Application: Where possible insulation shall be slipped over tubing in full cylinder. Where necessary to cut and at joints, insulation shall be joined by brushing with suitable adhesive (Johns-Manville #57 or equal). Surfaces shall be allowed to become 'tacky' before being pressed together.

h. For freeze protection:

1. Piping subject to freezing shall be further protected by 1 1/2" thick glass fiber pipe insulation applied over above specified insulation. Finish for inside layer of insulation shall be omitted and placed over outside layer.

44. THERMAL INSULATION FOR DUCTWORK

a. All insulating materials shall be applied over clean dry surface. It is the intent of the specification that all vapor barriers shall be sealed to prevent moisture penetration. Ducts having internal liner shall not be further insulation.

b. For ductwork not exposed to view:

1. Material: Glass Fiber blanket insulation 1" thick, 1 pcf density, Johns-Manville, Microlite, or approved equal. The Insulation shall have a "K" factor not exceeding.245 @ 75° F mean temp.

2. Application: Insulation shall be cut slightly longer than circumference of duct to insure full thickness at corners. Insulation shall be adhered to duct with fire resistant adhesive, J-M No. 42 Adhesive or approved equal, applied to duct in 4" wide brush strips on 12" centers. Insulation shall be further secured with loops of #12 with gauge galvanized steel wire on 12" centers.

3. Finish: No further finish required on ducts used solely for heating. Ducts carrying air at a lower than ambient temperature shall have a vapor barrier facing type FSK (.001 aluminum foil, glass scrim, kraft) laminate, applied over the insulation. All joints shall be sealed with 2" wide vapor barrier tabs sealed with J-M 42 Adhesive or equal.

c. For Ductwork exposed to view:

1. Material Glass fiber insulation 6 pcf minimum density, Johns-Manville 414 Spintex, or approved equal, 1" thick.

2. Application: Insulation shall be applied to duct by impaling over insulation pins. Pins shall be welded to duct at a rate of one pin per square foot. Pins shall be placed adjoining insulation joints. Speed clips shall be pushing over pins and firmly pressed into the insulation. The excess pin length shall be clipped off close to the clip.

3. Finish: Insulation shall have a factory applied vapor barrier of asphalt-kraft paper, Johns-Manville VA or equal. All joints, and other openings shall be sealed with strips of the vapor barrier embedded in J-M No. 42 Adhesive or approved equal. Galvanized corner angles shall be applied and 8 oz. canvas completely adhered to the vapor barrier with J-M No. 40 adhesive.

d. For Ductwork from Kitchen Exhaust Hoods (#10 gauge block iron):

1. Material: Hydrous Calcium Silicate, Johns-Manville Thermobestos, or approved equal, 1 1/2" thick.

2. Application: Insulating blocks shall be secured to duct with #12 W&M gauge galvanized wire attached to anchors. Blocks shall be further secured on underside of duct with J-M No. or equal.

3. Finish: Insulation shall be given two 1/4" coats of finishing cement, Johns-Manville #352 or equal. The first coat shall be applied over galvanized hexagonal wire. The second coat shall be mixed 2:1 with portland cement. Doors shall be insulated as above. Framing angles shall be proveded around access doors.

45. SOUND INSULATION

a. All ducts connecting to Exhaust Fans, except Kitchen Hood Exhaust Fans, shall be insulated as follows for a distance of 10'0" from the fan inlet. Provide 1/2" thick Johns-Manville "Airocoustic" pasted and secured with pins and washers. All joints shall be taped.

b. Insulation shall be similarly applied for a distance of 10'0" to the ducts on the discharge side of all supply units; on the suction side of return fans and for the full distance indicated on the drawing to ducts inducated to be acoustically lined.

c. Where acoustic insulation is applied internally to ducts, the duct dimensions shown on drawings shall be the inside dimensions of the insulation.

46. PAINTING

a. All equipment shall be delivered with prime coat of paint.

b. Paint all pipe hangers with one coat of rust inhibiting paint equal to Rustoleum.

47. IDENTIFICATION OF PIPING

a. All pipe lines, equipment and appratus, after finished painting under another division shall be identified by means of labels indicating its system, use or equipment identification marking, and in the case of pipe lines, also the direction of flow.

b. Each system identification or labels shall have its own distinguishing color. Letters and numerals on labels shall be 1" high. The Contractor shall submit samples and schedules for approval.

ZONOLITE

CONSTRUCTION PRODUCTS DIVISION

July 5, 1973

Environmental Protection Agency
1 North Wacher Drive
Chicago, Illinois 60606

ATTENTION: Director, Enforcement Division

Re: National Emissons Standards for
Hazardous Air Pollutants
Sub Part B, Sec. 6122E1, Spraying

Dear Sir,

The subject reference requires that a report be made on those construction projects on which a fireproofing material is being spray applied.

The attached is a list of fireproofing jobs on which Grace's Monokote fireproofing is being sprayed. Monokote fireproofing in use today is manufactured without the addition of any asbestos and fully complies with the requirements of Sec 6122E1.

We are presently involved in discussions with EPA officials regarding this reporting procedure. Very shortly we expect that EPA will conclude that this reporting procedure is unnecessary and can be discontinued. Until that decision is made, we will continue to report to you.

Very truly yours,

Construction Products Division
W. R. Grace & Company

W. K. Rogers
Manager, Eastern Region

WKR/kaf
cc: T. P. Feit

Attachment

Applicator	Jobsite
Patti Plastering Corp. 2334 Flatbush Ave. Brooklyn, N.Y. 11234	Bankers Trust Liberty & Washington N.Y., N.Y.
Glenbro Plastering 2384 Flatbush Ave. Brooklyn, N.Y. 11234	G.E. Bldg. 31-35 Eston Turnpike Fairfield, Conn.
J. P. Gara 5211 N. Lawrence St. Phila., Pa.	c/o Turner Construction 1234 Market St. Phila., Pa.
Duggan & Marcon P.O. Box 2324 Allentown, Pa. 18601	c/o Murray Walter, Inc. Gracedale County Home Nazareth, Penna.
Cuddihy Huebner Lamparter 295 Merrit Avenue Wyandanch, N.Y.	Cultural Center Swan & Madison Albany, N.Y.
F. M. Venzie 1909 Taylors Lane Cinnaminson, N.J. 08077	General Accident Bldg. 5th & Walnut Sts. Philadelphia, Pa.
Lundy Lumber 280 Arch Street Williamsport, Pa. 17701	Williamsport Hospital Rural Ave. & Walnut Williamsport, Pa.
Longo & Kolasa 377 Church Avenue Cedarhurst, L.I., N.Y. 11516	Dedell Gardens 100 Terrace Avenue Hempstead, L.I., N.Y.
Scientific Coating P.O. Box 463 Orange, N.J. 07050	Hastings Townhouse 445 Broadway Tarrytown, N.Y.
McKeown Plastering 1541 Stillwell Ave. Bronx, N.Y. 10461	Pathmark Supermarket 1880 Bartow Ave. Bronx, N.Y.
Giamboi Fireproofing 729 W. Merrick Rd. Valley Stream, N.Y.	Painting Facility(Brooklyn Navy Yard) Seatrain Ship Bldg. Brooklyn, N.Y.
Miller Masons 726 Adriatic Ave. Atlantic City, N.J. 08401	Sears Office Bldg. Route 30 St. Davids, Pa.
Giamboi Bros., Inc. 2508 Coney Island Avenue Brooklyn, N.Y.	Green Point Hospital Flushing Ave. & Broadway Brooklyn, N.Y.
T.J. McGlone, Inc. 2083 Elizabeth Avenue Rahway, N.J. 07065	Newark Airport Terminal 3 Newark, N.J.

C7CC4A-

Applicator	Jobsite
Acme Plastering 15 Wharton Street Newark, N.J. 07101	Englewood Hospital Engle Avenue Englewood, N.J.
Cuddihy Huebner Lamparter 295 Merrit Avenue Wyandanch, N.Y.	Pan-Am Bldg. J.F.K. Airport Queens, N.Y.
C. J. Coakley 115 Hillwood Ave. Falls Church, Va. 22046	F.B.I. Bldg. 9th & E St. N.W. Washington, D.C.
Mario DiBono plaster Co. 370 Northern Blvd. Great Neck, L.I., N.Y. 11021	Celanese Bldg. 48th St. & 6th Ave. N.Y., N.Y.
Patti Plastering 2384 Flatbush Avenue Brooklyn, N.Y. 11234	C.A.V. 225th & Lenox St. N.Y., N.Y.
Longo & Kolasa 377 Church Avenue Cedarhurst, L.I., N.Y. 11516	Concordia College Library White Plains & Tanglewyde Bronxville, N.Y.

073341

073341

Dickman & Sons
18450 Livernois
Detroit, Michigan 48208

Berti Co.
25380 Five Mile Road
Detroit, Michigan 48239

Wm. Reichenbach Plastering
2446 W. Jolly
Okemos, Mich. 48864

South Macomb Hospital
12 Mile & Hoover Road
Warren, Michigan

Metro Airport New Terminal
Romulus, Michigan

M. S. V. Office Building
Harrison & E. Crescent
East Lansing, Michigan

07733

Easley & Rivers
P.O. Box 458
Monroeville, Penna. 15146

Central Medical Pavilio
Center Avenue
Pittsburgh, Penna.

Carmalt School
Breining & Georgette
South Hills
Pittsburgh, Penna.

Kaufman's Dept. Store
Ft. Steuben Mall
Steubenville, Ohio

Becker Plastering Co.
14048 Indian Hollow Road
Grafton, Ohio 44044

Lorain Co. Administratio
Third & Middle
Elyria, Ohio

Eastman-Kodak Co.
Kodak Park
Rochester, New York

Construction Div.,Bldg.
1041 Ridge Road West
Rochester, New York

Pace School
Baum Bldg. & S. Beatty
East Liberty, Penna.

J. J. Morris & Sons
P.O. Box 14038
Pittsburgh, Pennsylvania 15239

Carolina Drywall Co.
1320 Lynn Avenue
Turtle Creek, Penna. 15145

Larry's Bldg. Supplies Di
1320 Lynn Avenue
Turtle Creek, Penna.

James Banda Plastering
Spanish Main
Monroeville, Penna.

Altoona Area High School
6th Ave. & 14th Street
Altoona, Penna.

6733

Capital Dist. Lath & Plaster Co., Inc.
1900 Maxon Road
Schenectady, New York 12308

Acmat Corpoation
111 Prestige Park Road
East Hartford, Conn. 06108

The Bader Company
180 Flynn Avenue
Burlington, Vermont 05401

T. J. Bell Plaster Co.
501 S. Pearl Street
Albany, New York

Davis Acoustical Corp.
4 Tyler Street
Troy, New York

Schnectady Bank
Lower State Street
Schnectady, N.Y.

Conn. Finance Bldg.
Corner Main & Pearl Sts.
Hartford, Conn.

Mercy Hospital
Springfield, Mass.

St. Peter's Hospital
New Scotland Avenue
Albany, New York

Albany Savings Bank
501 State
Schnectady, New York

07334

Blazier-Pierce Co.
2440 Virginia Avenue
Springfield, Virginia

B. R. Thomas
49 Harford Road
Beltsville, Maryland

Davenport Insulation
8420 Terminal Road
P.O. Box 706
Springfield, Virginia

National Floors & Ceiling
1011 North Fremont Avenue
Baltimore, Maryland

Labor Dept.
3rd & Constitution, N.W.
Washington, D. C.

Harford Heights Elem. Sc
Broadway & North Ave.
Baltimore, Maryland

Circle Towers Apartments
Springfield, Virginia

Catonsville Community Co.
Catonsville, Maryland

SPECIFICATION S-2600-3

GENERAL CONSTRUCTION

NEW ENGINE TEST FACILITY

PAN AMERICAN WORLD AIRWAYS, INC.
JFK INTERNATIONAL AIRPORT
JAMAICA, NEW YORK

BURNS AND ROE, INC.
ENGINEERS AND CONSTRUCTORS
HEMPSTEAD, N.Y.

AUGUST 23, 1960

INSTRUCTIONS TO BIDDERS

FOR

SPECIFICATION S2608-3

GENERAL CONSTRUCTION

FOR THE

NEW JET ENGINE TEST FACILITY

FOR

PAN AMERICAN WORLD AIRWAYS, INC.
J. F. KENNEDY INTERNATIONAL AIRPORT
NEW YORK, NEW YORK

Burns and Roe, Inc.
320 Fulton Ave.
Hempstead, New York 11550

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INSTRUCTIONS TO BIDDERS

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TECHNICAL SECTIONS

FOR

SPECIFICATION S2608-3

CONSTRUCTION WORK

FOR

THE NEW JET ENGINE TEST FACILITY

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DIVISION	TITLE	SECTION	TITLE
16	Electrical	---	Electrical
17	Instrumentation and Controls	17A	Instrumentation Tubing, Wire, Cable and Connectors

DIVISION 5

SECTION 5C

MISCELLANEOUS METAL WORK

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, materials, equipment and services necessary for and incidental to the furnishing and erection or installation of all miscellaneous metal indicated on the Contract Drawings and as specified herein.

2.0 SHOP DRAWINGS

2.1 Complete shop drawings of all miscellaneous metal work shall be submitted in accordance with the General Provisions for approval by the Engineer.

2.2 These drawings shall show the methods of joining, thicknesses of metal, the relationship and methods of fastening to all adjacent materials and finishes, and all necessary reinforcements, framing and structural supports.

3.0 MEASUREMENTS, ETC.

It shall be the responsibility of the Contractor to coordinate his work with the work of other trades to the end that all details of construction, attachment and finish may be properly worked out.

4.0 FABRICATION AND ERECTION

4.1 General

Insofar as possible, work shall be fitted and shop assembled, ready for erection. Work shall be executed in strict accord with drawings, details and approved shop drawings. Structural steel framing, connection, parts and accessories shall, where applicable, conform to the Handbook of the American Institute of Steel Construction. Jointing and intersection of metals shall be accurately made, tightly fitted, and made in true planes with adequate fastenings.

21.0 INSULATION MARINITE - 36

Insulation for the concrete walls, ceiling and floor of the augmenter tube enclosure shall be a structural insulating panel such as Marinite - 36 as manufactured by Johns-Manville Panels shall be attached to the concrete surfaces by powder-driven fasteners spaced no greater than one-foot apart. Fasteners for the panels shall be Ramset drive pins having a 3/16 inch shank diameter and a 3/8 inch flat head.

22.0 SHOP AND ERECTION DRAWINGS

22.1 General

The Contractor shall submit shop drawings, erection drawings and shop bills for approval in accordance with the General Provisions.

22.2 Details

The shop drawings shall include anchor locations, expansion joint details, framing plans, shop details, and erection plans of all steel work and shall be made in conformity with the best modern practices and with due regard to speed of fabrication and erection.

DIVISION 7

SECTION 7B

BUILT-UP ROOFING

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, materials, equipment and services necessary for and incidental to the furnishing and installing of all roof insulation, bituminous flashing, and all other work required to make a complete, workmanlike and waterproof job.

2.0 GENERAL

Asphalt built-up roofing, asphalt-saturated felt vapor barrier and insulation shall be applied to the roof surface as indicated on the drawings. Vapor barrier and insulation will not be required for the Test cell roof.

3.0 MATERIALS

3.1 Roof Insulation

Roof insulation shall be similar or equal to Barrett asphalt-impregnated rigid fiberboard roof insulation completely coated with asphalt on all sides and edges, laid in two (2) layers, each layer shall be 1 inch thick.

3.2 Bitumen and Felt

Bitumen and felt shall be Barrett or equal, and shall meet the requirements of the Underwriters' Laboratories for Class "A" Roofing Materials.

3.3 Surfacing Material

Surfacing material shall be silicate gravel, hard, dry, and free from dirt, clay, loam, sand, elongated particles, and flat or sharp-edged particles. Particles shall range in size from 1/4-inch to 5/8-inch. Foreign substances or materials that would cause deterioration or staining of any metal with which they would come in contact shall be removed.

DIVISION 7

SECTION 7E

CEMENT ASBESTOS PANELS

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances and materials, and performing all operations in connection with the furnishing and installation of all Cement Asbestos and related work complete, in accordance with the Contract Drawings and as herein specified.

2.0 WORK INCLUDED

.1 Cement asbestos extruded facing panels

.2 Accessories and fastenings including hanger bars

.3 Protection

.4 Cleaning

3.0 SHOP DRAWINGS

3.1 Shop Drawings

Shop drawings shall be submitted to the Engineer for approval in accordance with the General Conditions.

Shop drawings shall show the materials, sizes, sections and dimensions of the units, the jointing, anchoring girt framing and all necessary details.

4.0 SAMPLES

The Contractor shall submit, for approval, samples of all cement asbestos materials he proposes to use, all in accordance with the General Conditions.

5.0 SHIPPING AND DELIVERY

Cement asbestos material shall be carefully packed for transportation and all precautions shall be taken against damage to the material in transit. Where necessary to insure against damage, the material shall be crated.

6.0 MATERIALS

6.1 Colored extruded cement asbestos members shall be made of an inorganic mixture of synthetic calcium aluminum silicate binder, formed under hydrothermal conditions, reinforced with finely dispersed asbestos fibers integrally mixed with inorganic pigments and fillers. The material shall be homogeneous and free from stratifications. The extruded asbestos cement panels shall be Johns-Manville ACE process "Colorlith", flush surface, meerschaum color, sandblast finish, or approved equal.

6.2 The extruded colored asbestos cement units shall be sealed on all exposed faces with the manufacturer's clear, breathing type, silicone sealer.

6.3 Abutting Joints

Abutting joints of the extruded panels shall be sealed with pressure sensitive vinyl foam tape as manufactured by Norton Company, Troy, New York. The tape shall be Number 578 1/2 inch width and shall closely match the color of the panels, all as approved.

6.4 Accessories and Fastenings

6.4.1 Hanger Bars (150°) supporting members for cement asbestos panels, shall be included under the work of this Section and shall be 3/16" stainless steel.

6.4.2 Toggle Bolts, Screws and Fasteners

Toggle bolts, screws and fasteners shall be stainless steel of sizes required to properly secure the panels to the masonry and hanger bars.

7.0 ERECTION AND SETTING

Cement asbestos panels shall be accurately set and solidly secured in place. They shall be true to line, with faces of abutting members even and true in plane. The Contractor shall do all cutting and fitting in the field necessary to overcome any inaccuracies in the work or to make the material fit and conform to the structural conditions of the building. The joints of abutting members shall be approximately 1/8 inch wide but in all cases shall be tightly closed and sealed by the pressure sensitive tape when the panel units are in place.

DIVISION 9

SECTION 9B

SPRAYED-ON FIREPROOFING

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances, and materials, and performing all operations necessary and required for sprayed-on fireproofing work in accordance with the Contract Drawings and as specified herein.

2.0 GENERAL

2.1 Provide sprayed fireproofing to structural steel in areas indicated.

2.2 All clips, inserts, clamps, etc. required for support of ductwork-piping, etc. shall be installed prior to the beginning of work under this section.

3.0 MATERIALS

3.1 The fiber shall be of factory-quality controlled and formulated mix consisting of virgin asbestos fibers, mineral-wool fiber, combined with inorganic binders.

3.2 The bonding adhesive shall be as recommended by the manufacturer of the sprayed-on fireproofing.

3.3 The sealer shall be as recommended by the manufacturer of the sprayed-on fireproofing.

3.4 Material shall be supplied to the job in sealed paper bags, properly marked and labeled to show the approval of the Underwriters' Laboratories, Inc.

3.5 Thickness of fireproofing shall be such as to provide a three-hour fire-retardance rating.

3.6 Materials and methods of application shall conform to the New York City Building Code and shall be subject to the approval of the Engineer.

DIVISION 9

SECTION 9C

RESILIENT FLOORS

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances and materials and in performing all operations in connection with the furnishing and installing of vinyl asbestos flooring complete, in strict accordance with the Contract Drawings and as specified herein.

2.0 SAMPLES

Before the flooring work is started, the samples of materials listed below shall be submitted for approval.

Vinyl-asbestos tile	2 each
Base	2 each

3.0 MATERIALS

3.1 Vinyl Asbestos Tile

Vinyl asbestos tile shall be 1/8 inch thick and 9" x 9" squares.

3.2 Colors and Patterns

Colors and patterns shall be as selected by the Owner.

3.3 Base

Base shall be homogenous vinyl cove type 6" high, color to be selected by the Owner. Provide one-piece internal and external corners for all right angle corners.

3.4 Adhesives

Adhesives of the type recommended by the manufacturer of the tile and base shall be used in accordance with the manufacturers' directions.

DIVISION 9

SECTION 9E

ACOUSTICAL TILE

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances and materials, and performing all operations in connection with ceilings, complete, and in strict accordance with the Contract Drawings and as specified herein.

2.0 MATERIALS

2.1 Acoustic Tile (Control Room)

2.1.1 Acoustic material shall be Fiberglass Fissured, Vinyl finish Acoustical tile. Tile shall be rated as Class A, Grade 3 in Federal Specification SS-A-118b, in manufacturer's white finish.

2.1.2 Tiles shall be 24" x 48" x 3/4" thick and have a N.R.C. range of .85 to .90 for application on mechanical suspension system. Tiles shall have fissured texture.

2.2 Acoustic Tile (Toilet and Hydraulic Systems Area)

2.2.1 Acoustic material shall be waterproof, non-combustible, high density ceramic board similar to Armstrong Travertine Ceramaguard or equal. Tile shall be rated as Class A, Grade 2B in Federal Specification SS-A-118b in manufacturer's white finish.

2.2.2 Tiles shall be 24" x 48" x 5/8" thick and have a N.R.C. range of .60 to .70 for application on mechanical suspension systems.

2.3 Suspension System

2.3.1 Suspension system shall be a system of exposed tees. Main tees shall be supported on galvanized flat iron or steel, size 1/8 inch by 1 inch. Main tees shall be of not less than .025-inch-thick cold-rolled steel, double-web bulb tee section 1-1/2 inches high. Bottom flange shall be 15/16 inch wide.

DIVISION 10

SECTION 10C

MOVABLE METAL PARTITION

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances and materials and in performing all operations in connection with the furnishing and installing of Movable Metal Partitions, complete, in accordance with the Contract Drawings and as specified herein.

2.0 WORK INCLUDED

Movable metal and glass partition including gloss and glazing.

3.0 SHOP DRAWINGS

Submit shop drawings showing partition layout, elevations and finish. Shop drawings must be approved by the Engineer before fabrication and assembly of material.

4.0 MATERIALS

4.1 General

Exposed steel shall be full-pickled cold-rolled furniture stock free from all defects, pits, scales, buckles or seams. Gauges specified are U.S. Standard. Partition shall be as manufactured by Acme Metal Partition, Inc.

4.2 Panel Units

Partition shall be 2-3/4" thick, posts 3" thick, insulated with rockwool, factory assembled with threaded tie rods (permitting field cutdown). Partition unit verticals shall be No. 16 gauge rolled steel, panel plates, No. 20 gauge steel with horizontal reinforcements 12" apart welded to back face of panel with double row of spot welds 3" on center.

DIVISION 13

SECTION 13C

INTERIOR ACOUSTICAL METAL PANELS FOR THE ACOUSTICAL PLENUM

1.0 SCOPE

The work covered by this section of the specification consists in furnishing all plant, labor, equipment, appliances, and materials and in performing all operations in connection with the furnishing and installation of all acoustical metal panels complete, all as indicated on the Contract Drawings and as herein specified.

2.0 MATERIALS

2.1 Panels

2.1.1 Panels shall be "Noise-Shield" four inches thick "Septum" type as manufactured by the Industrial Acoustics Company, New York.

2.1.2 Both surfaces shall be 22 gauge perforated sheet with 3/32 inch diameter holes on 3/16 inch staggered centers and a 16 gauge cold rolled steel septum sheet in the center. Design weight maximum 9 lbs per square foot.

2.1.3 Acoustic fill shall be incombustible, inert, mildew-resistant and vermin proof..

2.1.4 The face sheet shall be welded and riveted to the panel assembly to acoustically compress and hold in place the fill materials. Panel assembly shall hold the fill material in place under severe conditions of vibrations encountered in shipping and installation.

3.0 ACOUSTIC PERFORMANCE

3.1 The absorption and transmission loss values for the panels shall be not less than the following:

.1 Transmission loss in decibels,

Octave Band	45 90	90 180	180 355	355 710	710 1400	1400 2800	2800 5600	5600 11200
T.L.:	26	33	30	42	51	29	58	58

DIVISION 15

SECTION H

PLUMBING

1.0 SCOPE

This section covers the plumbing systems, complete, including

.1 Domestic Cold Water and Hot Water

.2 Sanitary Soil, Waste and Vent

.3 Toilet Fixtures

.4 Storm Water and Floor Drainage

2.0 APPLICABLE CODES AND SPECIFICATIONS

All plumbing shall be in accordance with the New York City Administrative Code, New York City Building Code, and all local laws and regulations.

In addition, the following specifications and standards shall apply insofar as they conform to or are not in contradiction with the applicable legal or administrative codes. The issue in effect on the date of bid shall apply.

2.1 American Society of Mechanical Engineers (ASME)

ASME Boiler and Pressure Vessel Code, Section VIII; Unfired Pressure Vessels

2.2 United States of America Standards Institute (USAS)

A21.4 Cement and Mortar Lining for Cast Iron Pipe and Fittings for Water

A21.6 Cast Iron Pipe Centrifugally Cast in Metal Molds for Water or Other Liquids

A21.8 Cast Iron Pipe Centrifugally Cast in Sand-Lined Molc for Water or Other Liquids

A40.1 Cast-Iron Soil Pipe and Fittings

A40.4 Air Gaps in Plumbing Systems

A40.6 Backflow Preventers in Plumbing Systems

encased in concrete for a distance of at least 3 feet on each side of the crossing point or for a distance shown on the Contract Drawings. After pipe lines have been tested, inspected and approved by the Owner, and the legal authorities, forms shall be removed and the excavation shall be cleared of truck and debris, and backfilled. Material for backfilling shall consist of the excavation, or borrow of sand, gravel or other materials approved by the Owner, and shall be free of truck lumber or other debris. Backfill shall be placed in horizontal layers not exceeding 9 inches in thickness and properly moistened. Each layer shall be compacted in accordance with the method specified in another section of these specifications. Backfill shall be brought to a suitable elevation above grade to provide for anticipated settlement and shrinkage.

7.3 Drainage and Vent Piping

7.3.1 Horizontal soil and waste piping shall be given a minimum grade of 1/8 inch per foot, except as plainly indicated on the Contract Drawings.

7.3.2 All main vertical soil and waste stacks shall be extended full size to the roof lines and above, except where otherwise specifically indicated. Where permissible and practicable, two or more vent pipes shall be connected and extended as one pipe through the roof.

7.3.3 The connection point of a circuit vent pipe from any fixture, or line of fixtures, to a vent line serving other fixtures shall be at least four feet above the floor on which the fixtures are located, to prevent the use of any vent line as a waste.

7.3.4 A cleanout shall be installed at the foot of each soil and waste line, at changes in direction in lines, and where indicated on the Contract Drawings and specified herein.

7.4 Protection to Fixtures, Materials and Equipment

Pipe openings shall be closed with caps or plugs during installation. Fixtures and equipment shall be tightly covered and protected against dirt, water and chemical or mechanical injury. Upon completion of all work, the fixtures, materials and equipment shall be cleaned thoroughly and delivered in a satisfactory condition to the Owner.

7.5 Joints

7.5.1 Bell and Spigot Joints

.1 Bell and spigot joints for sanitary piping, or between sanitary piping and threaded piping or caulking ferrules, shall be firmly packed with braided or twisted hemp or oakum gaskets of the best commercial grade and shall allow for not less than one inch depth of lead. Each bell joint shall contain not less than 12 oz. of fine soft pig lead for each inch of diameter of the pipe. Gask shall not project into the base of the finished joint. After the

gaskets are placed, the joints shall be cleaned and the remaining space filled at one pouring with lead which shall be caulked in a manner to insure a tight joint without overstraining the iron of the bells. After the caulking, the lead shall be practically flush with the face of the bells. The lead shall contain not less than 99.7 percent pure lead.

.2 Joints in the cast iron pipe for drain systems shall have pure asbestos rope packing filled to one-half the bell and be leaded as specified hereinbefore for sanitary piping.

.3 Bell and spigot pipe under pressure shall be laid with the bell pointing in the direction of flow; other pipe shall be laid with bell pointing up-grade. Pipe shall be graded carefully and shall be supported firmly and uniformly at its proper elevation and grade. Adjacent lengths of pipe shall be adjusted with reference to each other; blocking or wedging between hub and spigot will not be permitted. Spigots shall be adjusted in the bells so as to give a uniform space all around and, if any pipe does not allow sufficient space for proper caulking, it shall be replaced by one of the proper dimensions. Open ends of pipe at the end of each day's work shall be closed by a watertight plug.

7.5.2 Screw and Solder Joints

.1 Threaded joints shall be tapered standard pipe threads conforming to USAS B1.1. Screw joints shall be made with a suitable lubricant, such as graphite and oil compound, applied on the male threads only. Threads shall be full cut and not more than three threads on the pipe shall remain exposed. Threaded pipe and tubing shall be cut accurately and shall be worked into place without springing or forcing. Where outlets for fixtures are indicated or specified for fixture equipment, the lines shall be extended not less than 6 inches above the floor and capped or plugged. Proper provision shall be made for the expansion and contraction of all pipes and tubing lines. Pipe and fittings shall be free from fins and burrs. Copper tubing shall be cut with square ends. All burrs and fins shall be removed. Tubing shall be handled and protected carefully and all tubing that is cut, dented, or otherwise damaged shall be replaced with new tubing. End of tubing and fittings shall be cleaned and inserted in the fittings to their full depth. Stems and washers of solder-joint type valves shall be removed before soldering. All changes in sizes of tubing and pipe shall be made with reducing fittings or recessed reducers.

.2 Unions shall be provided at all equipment connections, control valves and specialties such as meters, filters, separators, etc., or where required for ready disconnecting of the piping system, whether or not indicated on the Contract Drawings. On ferrous pipe, 2½ inches in size and smaller, unions shall be 150 lb. WSP, zinc-coated malleable iron, ground-joint type; on

DIVISION 15

SECTION 15I

HEATING, VENTILATION AND AIR CONDITIONING

1.0 SCOPE

This section covers the heating, ventilating and air conditioning systems, complete.

2.0 APPLICABLE SPECIFICATIONS

2.1 New York City Building Laws and Administrative Code, Port of New York Authority Rules and Regulations

2.2 Air Moving and Conditioning Association, Inc. Bulletins

No. 20 Standard Test Code for Steam Unit Heaters

No. 210 Test Code for Air Moving Devices

2.3 National Fire Protection Association (NFPA)

No. 89M Clearances for Heat Producing Appliances
No. 90A Air Conditioning and Ventilating Systems
No. 90B Residence Type Warm Air Heating and Air Conditioning Systems
No. 91 Blower and Exhaust Systems for Dust, Stock, and Vapor Removal or Conveying

2.4 Air Conditioning and Refrigerating Machinery Association, Inc. Publication

Equipment Standards

2.5 American Society of Refrigerating Engineers' Standards

No. 15 Safety Code for Mechanical Refrigerator

2.6 United States of America Standards Institute (USASI)

B.19 Safety Code for Compressed Air Machinery and Equipment
B.31.1.0 Code for Pressure Piping - Power Piping

2.7 American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

Heating, Ventilating and Air Conditioning Guide

5.4 Ceiling Outlets, Registers and Grilles

5.4.1 Ceiling Outlets

Ceiling air diffusers shall be provided where shown on the drawings. The outlets shall be designed to operate without noticeable drafts or noise and to distribute the air uniformly over the horizontal cross-sectional area served. They shall be sized in accordance with the data on the drawings and with the manufacturers' certified tests and recommendations. Each diffuser shall be furnished complete with equalizing grids, volume controllers, anti-smudge rings, and necessary baffles. Anti-smudge rings need not be furnished where outlets are mounted on exposed ductwork. The ceiling diffusers shall be fully adjustable after installation through all air patterns from horizontal to vertical, without the use of any special equipment or tools. All exposed diffusers shall have a baked metalescent aluminum finish. Registers, grilles and diffusers shall be the standard product of Tuttle and Bailey or General Air Products Co. or approved equal.

5.4.2 Wall Type Air Supply Registers

Supply air registers shall be furnished and installed where indicated on the Contract Drawings and shall be of the type with horizontal and vertical adjustable vanes for obtaining the desired air distribution. Each supply register shall be of the size indicated on the Contract Drawings and shall be equipped with an opposed blade volume controller, regulated by a removable key operator. Each register shall be given a rust-inhibiting primer and a finish coat of lacquer. Register shall be Tuttle and Bailey T647 or T557 or approved equal.

5.5 Insulation of Ductwork

5.5.1 All heating and air conditioning ductwork, except in Test Cell, and all fresh air ductwork for ventilating and air conditioning systems shall be insulated with not less than 1 inch thickness of flexible fiberglass with aluminum foil vapor barrier, or other equally suitable material as approved by the Owner. Minimum density of exposed insulation shall be 6 pounds per cubic foot. The insulating material shall be held in place by welded pins and speed washers, spaced on not greater than 12 inch centers or by means of galvanized steel wire and corner angles. If wires are used to hold the insulation in place, the corners of the insulation shall be adequately protected against injury.

5.5.2 Ductwork in concealed spaces shall have an integral factory applied fire resistant vapor barrier of aluminum base facing equal in flame resistance to the insulator. During erection, a vapor barrier of not less than 4" wide vapor-barrier tape shall be used to seal all joints. All joints and breaks in facings shall be sealed with vapor-barrier tapes or mastic glass fiber tape set in mastic, centered over the tape.

5.5.3 All outdoor insulated ductwork shall be weather-proofed as described in section, 15L THERMAL INSULATION for piping.

5.5.4 Aluminum jacketing finish shall be placed over insulation in exposed areas in the same manner as specified for piping in section, 15L THERMAL INSULATION in this Division.

5.6 Filters

5.6.1 Air filters shall be supplied and installed in the Test Cell ventilation supply system, and the Preparation Area fresh air supply as shown on the Contract Drawings. These filters shall be of the permanent washable type and shall be easily removable for servicing.

5.6.2 Filter media shall consist of strips of tapered, crimped screen wire.

5.6.3 Maximum face velocity across the Equipment Room fresh air supply shall be 300 fpm. Maximum face velocity across the filters in the Test Cell ventilation supply system shall be 410 fpm. Maximum face velocity across the Preparation Area ventilation system filters shall be 360 fpm.

5.6.4 Filters shall be American Air Filter type HV filter or approved equal.

5.7 Acoustic Treatment

5.7.1 Acoustic treatment shall be provided in Control Room air conditioning, the Preparation Area ventilation, the toilet exhaust duct, and the Test Cell ventilating system supply and return ducts as shown on the Contract Drawings.

5.7.2 The outer casings of the rectangular silencers for the air conditioning system and the toilet exhaust duct, shall be made of galvanized steel, with minimum thicknesses as recommended by the ASHRAE GUIDE, for the particular duct size. Seams shall be lock formed and mastic filled. Interior partitions shall be made of 24 gauge galvanized steel.

5.7.3 The outer casings of the tubular silencers in the Test Cell supply and exhaust ducts shall be fabricated of 1/4 inch steel plate or pipe. All seams shall be welded. Interior construction shall be compatible with the outside casings. The silencer ends shall be prepared for welding into the ductwork. The sheet steel shall be given a rust inhibiting treatment in accordance with Section 9A of these specifications after fabrication.

5.7.4 Acoustic filler material shall be an inorganic mineral or glass fiber material of a density sufficient to obtain the specified acoustic performance and packed under not less than 5% compression to eliminate voids due to vibration and settling. Material shall be inert, vermin and moisture proof.

5.7.5 Combustion rating for the acoustic fill shall be not less than the following, when tested in accordance with ASTM E84, NFPA Standard 255, or UL No. 723.

Flame spread classification - 20

Smoke development rating - 20

Fuel contributed - 15-30

5.7.6 Airtight construction shall be used throughout. Silencers shall be leakproof when subjected to a differential air pressure of 8" of H_2O inside to outside the casing.

5.7.7 Acoustic and Aerodynamic Performance

.1 Acoustic rating of silencer shall include Dynamic Insertion Loss and Self-Noise Power Levels.

.2 The Test Cell supply and exhaust duct silencers shall be capable of the following Dynamic Insertion Loss (DIL) sound attenuation with no air flowing.

Octave Bands, cps DIL, db	1	2	3	4	5	6	7	8
10 foot section	16	20	29	40	50	52	48	37
12 foot section	20	24	37	50	54	55	52	42
Combined Total	36	44	66	90	104	107	100	79

Maximum static pressure drop shall be 1.0" H_2O per section of silencer.

DIVISION 15

SECTION 15 L

THERMAL INSULATION

1.0 SCOPE

This section covers thermal insulation for piping systems and equipment, complete. Thermal insulation for ductwork is covered in Section 15I, "Heating, Ventilation and Air Conditioning".

2.0 APPLICABLE CODES AND SPECIFICATIONS

The applicable sections of the New York City Building Laws and the following specifications and standards shall apply to the extent referred to herein. The issue in effect on the date of Invitation to Bid shall apply.

2.1 American Society for Testing Materials (ASTM):

C193	Magnesia Thermal Insulating Cement
C194-	Asbestos Thermal Insulating and Finishing Cement
C195	Mineral Fiber Thermal Insulating Cement
C262	Mineral Fiber Batt Insulation (Industrial Type)
C263	Mineral Fiber Blanket Insulation (Metal Mesh Covered) (Industrial Type)
C280	Mineral Fiber Blanket - Type Pipe Insulation
C533	Spec. for Calcium Silicate Block and Pipe Thermal Insulation
C489	85 percent Magnesia Block and Pipe Thermal Insulation
C547	Mineral Fiber Preformed Pipe Insulation
C552	Cellular Glass Block and Pipe Thermal Insulation
C553	Mineral Fiber Blanket and Felt Insulation (Industrial Type)

3.0 INSULATION SCHEDULES

The piping and equipment shall be insulated in accordance with the class as specified below, in sections 15G, 15H and 15I and in other sections of this specification.

3.1 Class A (Anti Sweat)

Glass fiber molded dual temperature insulation with a factory applied vapor barrier jacket having the following minimum physical properties:

.1 Density - approximately 3-1/2 lbs/cu.ft.

.2 Thermal Conductivity - 0.22 BTU/in/hr/sq.ft./°F at 50°F mean temperature

0.31 BTU/in/hr/sq.ft./°F at 125°F mean temperature

The vapor barrier jacket shall be of a fire-resistant type and shall consist of a white bleached 35 lb. Kraft paper bonded to aluminum foil with a fire-resistant adhesive and reinforced with glass fibers. In all other respects fibre glass insulation shall conform to ASTM C-552.

Class A insulation shall be Owens Corning Fiberglass - BEH Mono-Cover, Eagle Picher - Alum-A-Felt, and Johns-Manville - Micro Lock.

3.2 Class C (151 - 300°F)

Nominal Pipe Size inches	Insulation Thickness inches
under 2	1
2	1
2-1/2	1
3	1
4	1
6	1
8	1-1/2
10	1-1/2
12	1-1/2
over 12	1-1/2

Insulation shall be 85% magnesia or anhydrous calcium silicate having the following minimum physical properties:

	85% Magnesia	Anhydrous Calcium Silicat
.1 Density	10 to 12 lbs/cu.ft.	10 to 13 lbs./cu.ft.

	85% Magnesia	Anhydrous Calcium Silicate
.2 Thermal Conductivity	0.35 BTU/in/hr/ sq.ft./°F at 100°F mean temperature	0.39 BTU/in/hr/ sq.ft./°F at 200 mean temperature 0.52 BTU/in/hr/ sq.ft./°F at 400 mean temperature

4.0 CLEANING

The insulation shall be applied only after the pipe line has been hydrostatically tested. Before any insulating material is applied all surfaces shall be thoroughly cleaned of all foreign material such as scale, dirt, grease, or rust by wire brushing, scraping, or, if necessary, sandblasting.

5.0 THICKNESS

The thickness of insulation, whether in molded blanket or cement form, shall be equal to, or greater than the thicknesses listed for the class in paragraph 3.0. The thicknesses shown are nominal. For 85% Magnesia, the simplified thickness standard of the Magnesia Insulation Manufacturers Association shall apply.

6.0 INSTALLATION

6.1 Premolded sectional forms in two halves to fit the pipe shall be used for all pipe sizes for which sections are available. All sections shall be carefully fitted with side and end joints butted tightly.

6.2 Insulation shall be securely wired in place. No. 16 gauge annealed galvanized steel wire shall be used for pipe sizes 10" and smaller. No. 14 gauge annealed galvanized steel wire shall be used for pipe sizes larger than 10". At least 4 wires to each 3 foot length shall be used. The ends of all wire loop shall be firmly twisted together with pliers, bent over, carefully embedded into and flush with the surface of the covering. All wires shall be completely covered with insulating cement before applying the finish.

6.3 All joints shall be pointed up with first quality long fiber asbestos or mineral wool cement.

6.4 Vapor barrier material shall be white vapor barrier lap cement.

6.5 Sealing tape shall be a waterproof fabric tape, Johns-Manville Brine and Ammonia Sealing Tape or an approved equal.

7.0 INSULATION OF BENDS

Insulation applied to piping bends shall be mitered into lengths that fit neatly and securely together, sealed and smoothed over with cement as specified for straight piping, and securely wired at intervals of at least 15 degrees of arc with No. 16 gauge annealed iron wire. Joints shall be carefully and completely sealed with cement and tapered.

8.0 INSULATION OF VALVES, FITTINGS AND FLANGES

Valves, fittings, and flanges shall be insulated with sectional pipe insulation and/or blocks of the same material and total thickness as the covering on the adjacent pipe, except where otherwise specified. The sections or blocks may be fabricated into special shapes before application. The insulation shall be securely wired in place with No. 16 gauge annealed galvanized steel wire and covered with one inch hexagonal wire mesh stretched tightly over the surface. Mesh wire shall be 20 gauge annealed galvanized steel wire.

9.0 CEMENT INSULATION

For valves and fittings 2-1/2 inch nominal size and smaller, an all-cement insulation may be substituted for the sections or blocks. The insulation shall be carried up to the valve stuffing box. The cement shall be applied in two or more layers according to the total thickness required. Each layer shall be approximately 1/2 inch thick and shall be dry before the next layer is applied. The final layer of 1/2 inch hard finish asbestos cement shall be applied over the insulation to give an overall thickness equal to that of the adjacent covering.

For valves and fittings 3" nominal size and larger, the insulation shall be finished with a coating of hard finish 1/2 inch thick asbestos base cement. The surface shall be troweled smooth. Valve bonnets shall be insulated up to the stuffing boxes.

Premolded fitting insulation, equivalent to that specified above, will be acceptable.

10.0 FUEL FILTER SEPARATOR

The fuel filter water separator (located in the Fuel cubi

will be furnished with a sump heater with a capacity of 750 W, 110 volt and a drain line heater with a capacity of 200 W 110 volt. The sump of the filter separator shall be covered with insulation consisting of 4 inches of calcium silicate, covered with a troweled layer of cement and finished for outdoor services as described in paragraph 13.0 of this section. The drain line shall be insulated with Class "C" insulation as specified herein and finished for an outdoor installation.

11.0 GLYCOL HEAT EXCHANGER, PUMP AND EXPANSION TANK

The shell of the glycol heat exchanger, the expansion tank and the circulating pump of the snow melting system shall be insulated with Class "C" insulation as specified herein.

12.0 FINISH

12.1 All insulated pipe and equipment located indoors shall be finished with an aluminum metallic jacket. This jacket shall be applied over straight portions of the pipe, long diameter bends and all sections of piping and equipment in which a length of metallic jacket can be placed. Other sections, such as short bends, fittings, and equipment irregular surfaces shall be finished with 8 ounce canvas jackets pasted or cemented over the smoothing coat of asbestos cement and with 1/2" X 0.015 inch thick corrosion resistant bands and clips spaced on 6 inch maximum centers. The canvas shall be painted with aluminum paint to match the aluminum metallic jacket. The aluminum jacketing shall be smooth aluminum alloy No. 3003 or No. 3005 having a thickness of 0.016 inches with self-locking longitudinal seam joints and end joint butt straps. Aluminum jacketing shall have a vapor proof barrier bonded to the inside of the aluminum to protect the aluminum against chemical reaction with the insulation. Factory applied aluminum jacketing on the insulation is acceptable provided that it fully meets the requirements of this specification.

12.2 Bands for securing aluminum jacketing shall be either aluminum or stainless steel of 1/2 inch width and 0.020 inch thickness, or 3/4 inch width and 0.015 inch thickness.

12.3 Glass fabric shall be 10 X 10 white open weave cloth.

13.0 OUTDOOR LINES

13.1 Steam supply and condensate return piping exposed to the weather shall be insulated with anhydrous calcium silicate type insulation in accordance with the previous paragraphs of this specification except that they shall receive a finish consisting of one layer of asphalt saturated and coated asbestos felt. The jacket shall be secured by loops of 1/2 X .05" corrosion resistant metal bands and clips on 6" maximum centers

with one loop on each lap. Laps of not less than one inch shall be provided on all edges. Side lap on vertical piping shall be sealed with asphalt cement. All horizontal joints in felt jackets shall be lapped downward so as to shed water. Outside of the weather-proofing, an aluminum jacket with moisture barrier shall be provided. This jacketing shall be as specified in section 12.0. An asphalt saturated roofing, to which aluminum foil is bonded may be used in place of the felt and separate jacket. Corrosion resistant straps shall be applied as above.

For uneven pipe and equipment surfaces, such as short bends, fittings, valves, etc., a plastic weatherproof finish consisting of asbestos fiber and asphalt compound shall be used. For large equipment to be finished with plastic weatherproofing, the insulation shall be given a base coat of asbestos and Portland cement and light gauge galvanized 1" wire mesh shall be applied over the cement and drawn taut, with all edges tied and wired in place. The weatherproofing plastic shall then be applied to a finished thickness of 1/4" to a smooth even surface.

13.2 Water piping, exposed to the weather or located outdoors less than 3 feet below the ground level, shall be traced electrically, lagged with four (4) layers of 1" thick each built-up hair-felt sectional covering securely bound in place with heavy jute twine and finished with weatherproof jacket sealed at all joints as specified above for steam and condensate.

Electric heating shall be provided as follows wherever required:

For 1/2" pipe - 8 watts/ft. of pipe length.

For 3/4" pipe - 9.5 watts/ft. of pipe length.

For 1" pipe - 11.2 watts/ft. of pipe length.

For 1-1/4" pipe - 14 watts/ft. of pipe length.

For 1-1/2" pipe - 16 watts/ft. of pipe length.

For 2" pipe - 19.5 watts/ft. of pipe length.

For 2-1/2" pipe - 23 watts/ft. of pipe length.

15.0 UNDERGROUND LINES

All underground piping requiring thermal insulation shall be placed in a separate trench and properly supported. The

DIVISION 16

ELECTRICAL WORK

1.0 SCOPE

Under this Division of the specifications the Contractor shall provide a complete electrical installation fully tested and functioning properly in accordance with the Contract Drawings and as specified herein.

The Contractor shall furnish, install and connect all electrical equipment as shown on the Contract Drawings and as specified herein.

The Contractor shall install and connect all electrical equipment furnished by others and as specified under other Divisions of these specifications and shown on the Contract Drawings.

The Contractor shall connect all electrical equipment furnished and installed by others as specified under other Divisions of these specifications and as shown on the Contract Drawings.

After award of Contract the owner will issue to the Contractor connection and/or schematic wiring diagrams of the equipment furnished by the Owner or the manufacturer. The Contractor shall connect up the equipment in accordance with these drawings. The Contract Drawings indicate the size, type and number of cables required. This work shall be included in the bid price.

He shall furnish all labor, supplies, materials, including lamps and fuses, erection equipment and tools, and shall perform all operations including cutting, channeling, chasing, rigging, setting, aligning, patching and grouting necessary for the installation of a complete interior and exterior electrical facility.

The Contractor shall test all electrical equipment connected by him and as specified herein.

All of the above work shall be in strict accordance with this Division of the specifications and the applicable drawings, and subject to the terms and conditions of the Contract.

Electrical equipment specified in other Divisions of these specifications shall conform to this Division of the specifications.

inch and 3/4 inch sizes and 150 feet in length for 1-inch or larger sizes, and shall not contain more than three 90-degree bends or the equivalent. Additional pull or junction boxes shall be installed to comply with these limitations whether or not indicated on the drawings. Inside radii of bends in conduits of 1-inch size or larger shall be not less than ten times the grade diameter. A zinc-coated steel wire not less than 14 guage shall be installed in all 1/2 inch and 3/4 inch branch telephone raceways with not less than 8 inches of slack left at each outlet.

For other requirements of fire alarm system, see section entitled Fire Alarm System.

4.5 Underground Duct Banks:

The Contractor shall furnish and install the conduit and underground duct banks including the manholes and hand-holes in accordance with the Contract Drawings and as specified herein. This work shall include all required excavating, grading, filling, backfilling, reinforcing, concrete forms, etc.

The duct system shall consist of single, round-bore conduit, either asbestos cement or precast concrete encased in concrete. At termination of concrete duct at a building or equipment the conduit shall be full weight, threaded hot dipped galvanized steel encased in concrete and coupled to the asbestos cement conduit by coupling adapters.

The concrete encasement shall not be less than 3 inches thick on all sides top and bottom and not less than two inch between the different ducts in the run.

Asbestos cement conduit shall be in accordance with Federal Specification W-C-571 Type I unless otherwise specified.

The number and size of ducts shall be as indicated on the drawings. Duct lines shall be laid to a minimum grade of four inches per 100 feet and shall slope so as to drain into the manholes, pits etc. Changes in direction of runs exceeding 10 degrees shall be accomplished by using special coupling or bends manufactured for this purpose. Duct lines shall be installed so that the top concrete is not less than 2-1/2 feet below finished grade or finished paving at any point.

Trenching and backfilling shall conform to the Divisions of these specifications covering clearing, excavating, filling and grading.

Where duct lines enter manholes, the conduits shall terminate in end bells. Where it is necessary to cut a tapered end on a piece of conduit at the site, the cut shall be made with a tool or lathe designed to cut a taper to match the taper

of the particular conduit to be used.

After the duct line has been completed, a mandrel not less than 12 inches long, having a cross-section approximately one-fourth inch less than the inside cross-section of the conduit shall be pulled through each conduit, after which a brush with stiff bristles shall be pulled through to make certain that no particles of earth, sand, or gravel have been left in the line.

Where connection is made to duct which is of different material and shape than the duct being installed, a suitable coupling of a type recommended by the duct manufacturer shall be used.

Each single asbestos cement conduit shall be completely encased in concrete. Spacing blocks, where required, shall be made of concrete or other suitable nonmetallic, nondecaying material. Joints of cement asbestos conduit or concrete conduit shall be staggered at least 6 inches. The tapered ends shall be swabbed with a bituminous compound before coupling is applied, to insure a watertight joint. Ducts encased in concrete shall be securely anchored to prevent movement during the placement of concrete.

Concrete shall be plain except where reinforced concrete is specified herein or indicated on the drawings. Plain and reinforced concrete shall conform to the Division of these Specifications covering concrete and cement work. Duct lines shall be of monolithic construction. Where a connection is made to an existing line, manhole, or handhole the concrete encasement shall be well bonded to the existing line, manhole or handhole.

When an underground duct system is to be continued above ground, galvanized steel elbows shall be installed with at least a three inch concrete envelope, the envelope terminating at least four inches above grade. An adapter from duct to steel conduit shall be provided for each duct, and shall be as manufactured by the duct manufacturer. Conduit installed directly in the earth outside the building shall be heavily coated with tar or pitch as approved by the Owner. Conduit end bells shall be used on each conduit termination at manholes, pull boxes and equipment. Cement asbestos conduit adapters or reducing adapters shall be installed approximately six inches above finished grade level to connect to metal conduits and enclosed within protecting concrete pedestals forming a part of the duct enclosure.

Where one duct bank crosses another duct bank, a six inch sand cushion shall be installed between them.

In general, conduits entering the building from underground shall be sealed as above after installation of cable. Empty conduits shall be sealed or effectively plugged so as to be water-tight.

All spare conduits shall be plugged with wooded plugs. Conduits carrying cables into manholes shall be sealed with Johns-Manville Duxseal, except where rubber or rubber type sheathed cables are used. Minnesota Mining and Manufacturing Company duct sealing compound or compound as recommended by the cable manufacturer shall be used on rubber or rubber-like sheathed cable.

The Contractor shall notify the Owner when excavations are ready for installation of ductbanks, and no work shall be performed until the condition of the excavation is approved. After the ducts are installed, the Contractor shall obtain the Owner's approval before concrete is poured. Backfilling shall not be performed until the Owner has inspected the duct bank with concrete envelope.

Cable buried directly in the earth shall be unreeled in place along the side of the trench. Pulling of cable in the trench will not be permitted. The trench shall be clean, even and smooth, free of stones or sharp objects. Before placing the cable in the trench, a 6 inch layer of smooth, dry, clean sand shall be placed in the bottom of the trench. Another 6 inch layer of sand shall be placed above the cable after it is laid in the trench. A nominal 2 inch thick pentachlorophenol treated board not less than 8 inches wide shall be placed above this sand layer 6 inches above the cable and the trench backfilled. Trenching and backfilling are to be as described in the section on "Excavation, Filling and Backfilling."

4.6 Manholes

The Contractor shall furnish and install all manholes in accordance with the Contract Drawings. All manholes shall be located and constructed in accordance with the Contract Drawings and specifications. Relocation of manholes and duct banks before installation shall be done only on the condition of interference with other utilities, and then only if approved by the Owner.

Concrete, forms, mixing, pouring, finishing and manholes shall conform so the Standards of the Port of New York Authority Reinforcing steel shall conform to the Division of these specifications covering concrete.

Covers and frames shall be made of grey cast iron, conforming to ASTM Specification A-48, Class 30. A machine-finished seat shall be provided to insure a perfect joint between the frame and cover. In paved areas, the top of

6.3 Installation of Wire and Cable

The Contractor shall furnish all of the material and labor to install the wire and cable as indicated on the Contract Drawings or as specified herein.

The Contractor shall furnish all materials for terminating cables and wires such as connectors, insulation, fireproofing and copper tapes, solder, clamps, braces, supports, hardware, bushings, pulling compounds, identification tags, terminal blocks, ground straps, ground copper, serving material, etc. and other material which may be required for the complete installation of cable and wire in accordance with the best modern practice.

The Contractor shall furnish, install and connect two 5 KV power feeder cables from existing manholes of the Port of New York Authority through existing and new underground duct and manholes to supply power to the Test Cell Facility as shown on the contract drawings and as specified herein.

One feeder V 10A shall be extended from its existing manhole ESW-7A through existing manholes ESW-8A,9A and 10A through the new manholes and underground duct furnished and installed by the contractor to the new 5 KV fused disconnect switchgear furnished and installed on the electrical equipment balcony.

The second feeder VC6A shall be extended from the existing manhole ESW-10A through the new underground ducts and manholes as an alternate feeder to the new 5 KV fused disconnect switchgear on the electrical equipment balcony.

The 5 KV feeders shall consist of 3-350 MCM conductors quadroplexed with a #2/0 AWG neutral cable. The 5 KV neutral, the 480 volt transformer neutral and the 5 KV switchgear ground bus shall be connected together by means of the ground conductor located beneath the electrical equipment balcony.

The following general procedure shall be followed in the installation of all power and control wires and cables:

6.3.1. Cables shall be arranged in cableways and pull-boxes in a neat and orderly fashion. Single-conductor and multi-conductor cables shall be supported by suitable damps or grips when unsupported lengths exceed approximately 30 inches.

6.3.2 Control cables entering control boards and panels shall be securely fanned out in a neat arrangement and tied into position to enter terminal lugs attached to terminal blocks. Cables shall not be lashed against metallic support unless a micarta liner is used.

6.3.3 All cables shall be fire protected where exposed in manholes underground by insertion within woven asbestos tubing, 1/16 inch thick, Johns-Manville Style Nos. 1530-1532 or approved equal or wrapped with 1/16 inch thick, cloth-reinforced asbestos type half lapped, with ends inserted about 2 inches within conduits or ducts and securely fastened with bronze wire wrapping. All cables from the same conduit or duct may be enclosed within the same fireproofing tube.

6.3.4 The Contractor shall follow the instructions of the cable manufacturers in making all splices, terminations, etc., and all splicing materials shall be as recommended by the cable manufacturer.

6.3.5 Terminal lugs at terminations and equipment shall be of the clamp solderless type, O-Z type L, LH, Burndy type VA, or approved equal for power circuits. All stranded control cables shall be provided by the Contractor with terminals, Burndy "Hylug" or approved equal, of proper size to fit terminal blocks.

6.3.6 All control cables shall be marked at both ends with an identification tag clearly stamped or engraved. Such tags shall be attached as close as possible to the terminal block to which its conductors are connected but before any conductors are peeled off for training to terminal points.

6.3.7 Control wiring terminal blocks where required in boxes and control equipment shall be of the molded base type with separate lugs for incoming and outgoing cables, with barriers between terminals, terminal marking strips and covers, Westinghouse switchboard type TBA or equal.

6.3.8 All power and control cables installed by the Contractor shall be in a continuous length; splices shall be kept to a minimum and all splices shall be accessible. Splices shall be made in accordance with cable manufacturer's requirements. To facilitate pulling cables in conduit, lubrication as recommended by the cable manufacturer shall be used. Under no circumstances shall soap or oil of any kind be used on rubber insulated cables.

6.3.9 Pulling of cables into conduits or other raceways shall be done with care to prevent damaging the cables. The reels shall be set up as close as practicable to the raceway entrance, and the cable shall be trained as directly as possible with a minimum amount of bending. A protector shall be provided at each end of the raceway to protect the cable jacket. Where several cables are to occupy one conduit, they shall be pulled together.

U. S. MINERAL PRODUCTS CO./COLU[illegible] [illegible]S FOR ACOUSTICS AND FIREPROOFING CO.

STATE: New York

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Bruderle & Lamparter 4 Burns St. Hicksville, N.Y	S & M Caterers Northern Blvd. & Lakeville Rd. Great Neck, NY	3-22-63	Cafco Sound Shield	07972	NY 1
Same as above	Same as above	3-8-63	Cafco Sound Shield Cafco Blaze Shield Cafco Latex Adhesive Patching Fiber	07936	NY 2
Same as above Hicksville, Long Island, NY	~~Same as above~~ S & N Caterers Northern Blvd & Lakeville Rd. Great Neck, Long Island, NY	5-3-62	Cafco Blaze Shield Cafco Sound Shield Cafco Adhesive Cafco Sealer	07324	NY3
Same as above	Same as above	6-15-62	Cafco Blaze Shield Cafco Sound Shield Cafco Adhesive Cafco Sealer	07442	NY4
Long Island Lighting Co. 250 Old Country Road Mineola, Long Island, NY	Long Island Lighting Co. Electric Power Station Port Jefferson, NY Attn: A. Galloway	5-13-68	Cafco Power Shield	07573	NY5

SALES TO [illegible] FOR

U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: New York

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Cuddihy, Hurbner and Lamparter, Inc. 295 Merritt Ave. Wyandanch, Long Island, NY	Library Building Suffolk Community College Selden, Long Island, NY	2-26-68	Cafco Heat Shield Cafco Solvent Adhesive	06296	NY 6
Cuddihy and Hurbner 250 West Main St. Bayshore, LI, NY	St. Francis Rectory Wantaugh Avenue Wantaugh, LI, NY South Side Southern State Parkway	5-23-67	Heat Shield Latex Adhesive	11255	NY7
Hudson Plastering Co. 200 Sheridan Ave. Buffalo, NY	Police Headquarters Garage Church and Franklin St. Buffalo, NY	11-9-66	Type D "	42301	NY 8
Same as above	Temple Beth Zion Delaware and Barker Ave. Buffalo, NY	7-21-65	Cafco Blaze Shield Type D	illegible	NY9
Same as above	same as above	7-26-65	Cafco Blaze Shield Type D	illegible	NY10

STATE: New York

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Hudson Plastering Co. 200 Sheridan Ave. Buffalo, NY	Main Place AT Pearl & Court St. Buffalo, NY	9-22-67 ~~02209~~	Cafco Blaze Shield Type D	02209	NY 11
Same as above	Student Union Building NY State University Elmwood Ave. Buffalo, NY	1-5-67	Type H Type D Adhesive Sealer	43564	NY 12
Same as above	Temple Beth Zion Delaware & Barker St. Buffalo, NY	7-6-66	Type D "	11754	NY 13
Henderson-Johnson Co. Inc. 918 Canal St. Syracuse, NY	c/o Wm. C. Pahl Const. Co. Onandaga Co. Savings Bank Office Bldg. Syracuse, NY	5-28-64	Cafco Heat Shield Cafco Adhesive	08012	NY 14
Same as above	1st Stop: c/o F.G. Foster Co. Parking Coburn School, Mt. Zoar St. Elmira, NY 2nd Stop: 918 Canal St. Syracuse, NY	7-28-60	1st Stop: Cafco Blaze Shield Cafco Sound Shield Cafco Adhesive & Cafco Sealer 2nd Stop: Cafco Heat Shield Cafco Blaze Shield Cafco Sound Shield Cafco Adhesive & Cafco Sealer	04570	NY 15

STATE: New Yo

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
William Ishizwood Inc. Mr. William Ishizwood 56 West 45th St. New York, NY	Mony Insurance Bldg. Harrison & Warren Sts. Syracuse, NY	1-11-66	Cafco Blaze Shield Type D	9802	NY16
Same as above	Same as above	1-20-66	Cafco Blaze Shield Type D	9907	NY17
Same as above	Same as above	3-08-66	Cafco Blaze Shield Type D "	10306	NY18
Same as above	Same as above	2-21-66	Cafco Blaze Shield Type D 1 Spraying Machine	10168	NY19
Same as above	Same as above	2-15-66	Cafco Blaze Shield Type D Pole Gun Assembly Stainless Steel Nozzle Plastic Hose	illegible	NY20

STATE: New Y

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Wm. Ishterwood Inc. Mr. Wm. Ishterwood 56 West 45th St. New York, NY	Mony Insurance Bldg. Syracuse, NY	12-10-65	Cafco Blaze Shield Type D	9608	NY 21
Henderson Johnson Co. 918 Canal St. Syracuse, NY	c/o Perfetto & Whalen Mercy Hos Health & Reha CTR Auburn, NY	6-01-71	Cafco Blaze Shield Type D	10568	NY 22
Wm. Ishterwood Inc. Mr. Wm. Ishterwood 56 West 45th St. New York, NY	Mony Insurance Bldg. Harrison & Warren Sts. Syracuse, NY	1-25-66	Cafco Blaze Shield Type D "	9959	NY 23
Same as above	Same as above	12-13-65	Cafco Blaze Shield Type D	9609	NY 24
Henderson-Johnson Co. Inc. 918 Canal St. Syracuse, NY	C/o. W.C. Pahl Const. Co. Onondaga County Savings Bank Office Building Syracuse, NY	9-10-63	Cafco Blaze Shield Cafco Heat Shield	08292	NY 25

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co. Inc 918 Canal St. Syracuse, NY	Wm. C. Pahl Const. Co. Towers Apartments 770 James St. Syracuse, NY	9-19-62	Cafco Heat Shield Cafco Adhesive	07640	NY 26
Same as above	Perfetto & Whalen Mercy Hospital Health CTR, Auburn and Nursing Home Attn: Lloyd Martin	7-09-71	Cafco Blaze Shield Type D C/F Cafco Blaze Shield Type D	11385	NY 27
Same as above	c/o Pahl Const. Co. Warren St. Parking Garage 325 - 345 So. Warren St. Syracuse, NY	5-23-62	Cafco Heat Shield Cafco Adhesive Cafco Sealer	07398	NY 28
"Same as above	c/o Buffalo Acoustics 605 Indian Church Rd. Buffalo 24, NY	1-22-60	Cafco Sound Shield	03913	NY 29
Same as above	c/o Vincent J. Smith Community Hospital Broad Rd. & Seneca Tnpk. Syracuse, NY	6-21-62	Cafco Heat Shield Cafco Adhesive Cafco Sealer	07457	NY 30

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co., Inc. 918 Canal St. Syracuse, NY	1st Stop: c/o Turner Const. Co. 3-M Building 1900 Mt. Read Blvd., Rochester, NY Last Stop: c/o Collum Acoustical Co. Turner Const. Co. Mony Plaza Harrison & Warren St. Syracuse, NY	7-22-68	Cafco Blaze Shield Type D Cafco Heat Shield Cafco Bond-Seal	08593	NY31
Same as above	c/o Collum Acoustical Co., Inc Turner Const. Co. Mony Plaza Harrison & Warren St. Syracuse, NY	8-27-68	Cafco Heat Shield	09138	NY32
Same as above	1st Stop c/o Warehouse, 918 Canal St., Syracuse, NY Last Stop c/o Collum Acoustical Co., Inc. Turner Const. Co. Mony Plaza Harrison & Warren St. Syracuse, NY	8-15-68	1st Stop Cafco Blaze Shield Type D Last Stop Cafco Heat Shield	09009	NY33
Same as above	c/o Cowper Const. Co. Sibley Project - Phase B South Salina St. Syracuse, NY	11-25-68	Cafco Heat Shield Cafco Bond Seal	10812	NY34
Same as above	Same as above	10-30-68	Cafco Heat Shield Cafco Mark II Coating Cafco Bond Seal	10299	NY35

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: _____

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. New York, NY (Note: must be Ishiswood)	c/o Chanin Building 39th St. and Broadway 1411 Broadway NY, NY	3-11-69	Cafco Blaze Shield Type D	12359	NY 36
Same as above	c/o New Office Bldg. 39th St. and Broadway NY, NY	9-24-68	Cafco Blaze Shield Type D	09613	NY 37
Same as above	Same as above	2-21-69	Blaze Shield Type D "	12032	NY 38
Same as above	c/o Chanin Building 39th St. and Broadway 1411 Broadway NY, NY	3-5-69	Cafco Blaze Shield Type D Model "B" Nozzle	12273	NY 39
Same as above	c/o Passaic County Courthouse	5-14-68	Cafco Blaze Shield Type D	07597	NY 40

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____ _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Richter Acoustical & Fireproofing Co. 641 Center Avenue Mamaroneck, NY	c/o Pelham Parkway & Stillwell Avenue Bronx, NY	7-10-59	Cafco Sound Shield Cafco Adhesive	03161	NY 41
Same as above	c/o Three Eighty Garage 19 East 46th St. (Between Madison & 5th) NY, NY	8-13-58	Cafco Spray Standard Cafco Spray Type 1 Cafco Adhesive Cafco Equipment Rental	01864	NY 42
Same as above	207th Street New York City, NY	4-6-60	Cafco Sound Shield Cafco Adhesive "	04210	NY 43
Same as above	Richter Acoust. & FP Co. Corner Boston Post Rd. and East Chester Rd. Bronx, NY	10-17-58	Cafco Spray, Type 1 Cafco Adhesive	03480	NY 44
Same as above	c/o Receiveway Restaurant & Corner of Boston Post Rd & E. Chester Rd. Bronx, NY	8-7-59	Cafco Sound Shield Cafco Adhesive	03272	NY 45

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
L.D. Reeder Co. of San Diego 2900 Rowena Ave. Los Angeles, Calif.	280 Park Avenue New York City, NY	7-18-62	Cafco Heat Shield Cafco Blaze Shield	07504	NY 46
Same as above	c/o Diesel Const. Co. Bankers Trust Co. Bldg. 280 Park Ave. NY, NY	7-23-62	Cafco Heat Shield Cafco Blaze Shield * This corrects invoice 07504	07515	NY 47
Same as above	280 Park Ave. NY, NY	8-15-62	Cafco Heat Shield Cafco Blaze Shield	07557	NY 48
Same as above	Bankers Trust Co. 280 Park Ave. NYCity, NY	8-31-62	Cafco Heat Shield Cafco Blaze Shield	07580	NY 49
Same as above	c/o Diesel Const. Co. Bankers Trust Co. Bldg. Park Ave. & 49th St. NY City, NY	1-29-62	Cafco Blaze Shield Cafco Heat Shield Cafco Adhesive	07130	NY 50

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U. S. MINERAL PRODUCTS CO./COLU ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
L.D. Reeder Co. of San Diego 2900 Rowena Ave. Los Angeles 39, Calif.	C/o Diesel Const. Co. Bankers Trust Co. Bldg. 280 Park Ave (Park & 48th) NY, NY	4-5-62	Cafco Heat Shield	07264	NY 51
L.D. Reeder Co. of Portland 585 East Main St. East Orange, NJ	C/o Greyhound Terminal New York Port Authority Bus Terminal NY, NY	8-29-63	Cafco Sound Shield (one bag)	08288	NY 52
Same as above	Same as above (Port Authority Bus Depot) ~~NY, NY~~	8-5-63	Cafco Sound Shield (one bag) "	08232	NY 53
L.D. Reeder Co. of Portland 14 Woodland Ave. East Orange, NJ	330 Madison Ave. Project NY, NY	7-27-64	Cafco Blaze Shield, Patching Fibre	08936	NY 54
L.D. Reeder Co. of Portland 585 East Main St. East Orange, NJ	C/o 330 Madison Ave. NY, NY	9-12-63	Cafco Sound Shield	08290	NY 55

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
L.D. Reeder Co. of Portland 585 E. Main St. East Orange, NJ	c/o Mr. Tony Masella Alexander Stein Ind. National Maritime Union Bldg. 12th & 7th Ave. NY, NY	7-23-63	Cafco Blaze Shield	08209	NY 56
Same as above	c/o Rose Associates [redacted] 280 Park Ave. NY, NY Attn: M. Freeman	6-21-63	Cafco Blaze Shield	08168	NY 57
L.D. Reeder Portland 14 Woodland Ave. East Orange, NJ	c/o Rose Assoc., 27th Floor 280 Park Ave. NY, NY	6-5-64	Cafco Blaze Shield "	08824	NY 58
Same as above	Pickup for Bankers Trust Co. 280 Park Ave. NY City, NY Corrects invoice 7580	12-27-62	Cafco Heat Shield Cafco Blaze Shield	07843	NY 59
L.D. Reeder Co. of San Diego 2900 Rowena Ave. Los Angeles 39, Calif.	c/o Diesel Const. Co. Bankers Trust Co. Bldg. Park Ave & 49th St. NY, NY	12-29-61	Cafco Heat Shield Cafco Blaze Shield	06999	NY60

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
New York Artcrafts, Inc. 280 Madison Ave. NY City, NY	c/o 51-09 2nd St. Long Island City, NY (Borden Ave. & E. River near Midtown Tunnel)	9-13-61	Cafco Heat Shield Cafco Sound Shield	06645	NY 61
Neff Lathing Co. 274 Madison Ave. NY, NY	c/o. George A Fuller Union Carbide Bldg. Between Madison & Park Ave. on 48th St. Block, one block off Madison Ave. NY, NY	10-29-58	Cafco Spray Standard SprayDon	02112	NY 62
Same as above	Same as above	10-24-58	Cafco Spray Standard SprayDon Cafco Strips Cafco Adhesive	02062	NY 63
Same as above	Same as above	10-21-58	Cafco Spray, Standard, SprayDon Cafco Adhesive.	02054	NY 64
Same as above	Same as above	10-13-58	Cafco Spray, Standard, SprayDon Cafco Adhesive	02042	NY 65

STATE: N'

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Neff Lathing Co. Inc. 274 Madison Ave. NY City, NY	C/o George A. Fuller Union Carbide Building Between Madison & Park Ave on 48th St. ½ block east of Madison Ave. NY, NY	10-16-58	Cafco Spray, Standard Spray Don Cafco Adhesive, Gross Cafco Sealer Gross	02038	NY 66
same as above	same as above	11-7-58	Cafco Spray Standard 50" Spray Don Cafco Sealer Cafco Adhesive Cafco Hopper	02140	NY67
same as above	same as above	11-7-58	Cafco Spray Standard 50" Spray Don Cafco Sealer Cafco Adhesive	02139	NY68
"same as above	same as above	11-5-58	Cafco Spray, Standard 50" Cafco Sealer Cafco Adhesive Fiber Gun	02119	NY69
same as above	same as above	11-21-58	Cafco Spray Standard 50" Spray Don Cafco Sealer	02165	NY70

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Neff Lathing Co., Inc. 274 Madison Ave. NY, NY	c/o GA Fullert Union Carbide Building Between Madison & Park Ave. on 48th St. 1 block off Madison Ave. NY, NY	11-18-58	Cafco Spray Standard 50# Spray Don Cafco Sealer 2 Fiber Guns	02158	NY71
Same as above	Same as above	11-13-58	Cafco Spray Standard, 50# Spray Don Cafco Sealer	02152	NY72
Same as above	Same as above	12-2-58	Cafco Spray Standard Spray Don Cafco Sealer "	02217	NY73
Same as above	Same as above	12-2-58	Cafco Spray Standard Spray Don	02231	NY74
Same as above	Same as above	12-5-58	Cafco Spray Standard	02232	NY75

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Neff Lathing Co. 274 Madison Ave. NYCity, NY	C/o George A. Fuller Union Carbide Bldg. 270 Park Ave. NYCity, NY	9-29-58	Cafco Spray, Standard, 50# per bag Stencil SprayDon Cafco Sealer Paint Extension Dust Respirators Filters Hoses Cat Gun	01987	NY 76
Same as above	Same as above	9-18-58	Cafco Spray, Standard, 50# SprayDon Cafco Adhesive	01963	NY 77
Same as above	Same as above	1-16-59	Cafco Spray BLAZE-SHIELD # Compressor "	02378	NY 78
Same as above	Same as above	10-1-58	Cafco Spray Standard SprayDon Cafco Applicator Eqpt. Set Model # Adhesive Gun Tamping Board	01993	NY 79
Same as above	C/o Columbia Pictures 711 Fifth Avenue NYCity, NY	9-29-58	Cafco Spray Standard SprayDon	02000	NY 80

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Neff Lathing Co. 274 Madison Ave. NY City, NY	c/o Columbia Pictures 711 Fifth Ave. NY City, NY	9-29-58	Cafco Spray Standard Spray Dry	01998	NY 81
Same as above	Same as above	9-12-58	Cafco Spray Standard Spray Dry	01913	NY 82
Mario & DiBono Plastering Co. 370 Northern Blvd. Great Neck, L.I., NY	c/o New Office Building 825 3rd Avenue NY, NY	5-27-68	Cafco Blaze-Shield Type D "	07870	NY 83
Sprayed Fireproofing Contractors 56 West 45th St. NY, NY 10036	c/o New Office Building 39th St. & Broadway NY, NY	10-9-68	Cafco Blaze-Shield Type D	09924	NY 84
Same as above	c/o American Airlines Inc Kennedy Airport Turner Const. Co. Long Island, NY	10-28-69	Cafco Blaze-Shield Type D	16481	NY 85

STATE: NY

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contractors, Inc 249 East 36th St. NY, NY	c/o Malmed Realty Corp. 48-29 31st Pl. Queens, NY	12-9-63	Cafco Blazeshield Type D	08455	NY86
Sprayed Fireproofing Contractors, Inc. 56 West 45th St. NY, NY	c/o New Office Bldg. 39th St. & Broadway NY, NY	8-14-68	Cafco Blaze-Shield Type D Barbed Fittings Type B Gun Head Water Valves Vinyl Tubing	08961	NY87
Same as above	same as above	8-20-68	Cafco Blaze-Shield Type D Model B Gun Head Slipover Bags	09034	NY88
Same as above	same as above	8-29-68	Cafco Blaze-Shield Type D 8' Poles	09164	NY89
same as above	Same as above	9-10-68	Cafco Blazeshield Type D	09397	NY90

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contractors 56 West 45th St. NY, NY	c/o Sprayed Fireproofing Contrs. 39th St. & Broadway NY City, NY	7-22-68	Cafco Blaze-Shield Type D	08607	NY 91
Same as above	c/o New Office Bldg. 39th St. and Broadway NY, NY Attn: Joe Huff	7-29-68	Cafco Blaze-Shield Type D	08649	NY 92
Same as above	Same as above	8-2-68	Cafco Blaze-Shield Type D Type B Gun Head	08779	NY 93
Sprayed Fireproofing Contrs, Inc. 3949 E. 35th St. NY, NY	C/o Greyhound Terminal New York Port Authority Bus Terminal NY, NY	8-23-63	Cafco Sound Shield (1 bag)	08274	NY 94
Sprayed Fireproofing Contractors, Inc. 56 West 45th St. NY, NY	C/o Fordham University Between 60 and 62nd St. and Columbus Circle NY, NY	5-19-67	Type D	11158	NY 95

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contractors 56 West 45th St NY, NY	RH Macy Queens Blvd. Rego Park N.Y.	5-24-65	Cafco Blaze Shield Type D	05994	NY 96
Same as above	40 Channin Bldg. 1411 Broadway 39th St. and Broadway NY, NY	3-11-69	Cafco Blaze Shield Type D	12360	NY97
Same as above	RH Macy Queens Blvd. Rego Park, NY	4-22-65	Cafco Heat Shield Cafco, Adhesive	05849	NY98
Same as above	Same as above	4-21-65	Cafco Blaze Shield Type D Water Valves	05813	NY99
Same as above	Same as above	4-19-65	Cafco Heat Shield Slipover Bags	05798	NY100

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contr. 56 West 45th St. NY, NY	Chanin Job 39th St. & Broadway NY, NY	8-9-68	Cafco Blazeshield Type D	08856	NY101
Same as above	c/o Fordham University Between 60 & 62nd St. and Columbus Circle NY, NY	5-3-67	Type D	10754	NY102
Same as above	c/o Harkness Medical Bldg. 1300 York Ave. & East 70th St. NY City, NY	5-22-67	Type D "	11059	NY103
Same as above	c/o Fordham University Between 60 and 62nd St. and Columbus Circle NY, NY	5-17-67	Type D	11077	NY104
Same as above	Same as above	5-3-67	Type D	10753	NY105

STATE: _____

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY	c/o Fordham University Between 60 and 62nd St. and Columbus Circle NY, NY	5-25-67	Type D	11159	NY 106
Same as above	Same as above	6-2-67	Type D Cafco Sealer	11160	NY 107
Sprayed Fireproofing Contractors, Inc 249 E. 35th St. NY, NY	c/o Empire Chevrolet Agency Utica & Empire Aves. Brooklyn, NY	9-17-63	1st Stop Cafco Blaze Shield 2nd Stop Cafco Blaze Shield Cafco Sound Shield	08305	NY108
Same as above	c/o CBS-5 530 West 57th St. NY, NY	6-10-63	Cafco Blaze Shield Cafco Heat Shield Cafco Adhesive Cafco Sealer	08147	NY109
Same as above	c/o Malmed Realty Corp. 48-29 31st Pl. Queens, NY	1-9-64	Cafco Blaze Shield Type D	08514	NY110

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contractors 56 West 45th St. NY, NY	c/o Fordham University 67th and 9th Ave. NY, NY	6-13-69	Cafco Blaze-Shield Type D	13901	NY 111
Same as above	R H Macy Queens Blvd. Rego Park, NY	4-08-65	Cafco Heat Shield Cafco Adhesive Cafco Sealer	05691	NY 112
Same as above	Same as above	4-20-65	Cafco Heat Shield & Gun Heads "	05601	NY 113
Same as above	c/o 2550 Atlantic Ave. Brooklyn, NY	7-31-70	Cafco Blaze Shield Type D	22219	NY 114
Same as above	R H Macy Queens Blvd. Rego Park, NY	4-16-65	Cafco Blaze Shield Type D	05797	NY 115

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY	RH Macy Queens Blvd Rego Park Queens, NY	4-13-65	Cafco Blaze-Shield Type D	05692	NY116
Same as above	Same as above	3-09-65	Cafco Heat Shield 8 inch Polz Gun 6 inch Polz Gun Cafco Adhesive	05340	NY117
Same as above	Same as above	3-16-65	Cafco Blaze Shield Type D "	05415	NY118
Same as above	Same as above	2-23-65	Cafco Blaze Shield Type D	05158	NY119
Same as above	Same as above	3-01-65	Cafco Blaze Shield Type D	05229	NY120

SALES RF DS FOR
U. S. MINERAL PRODUCTS CO./COLU ACOUSTICS AND FIREPROOFING CO.

STATE: NY

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY	R H Macy Queens Blvd. Rego Park, NY	1-28-65	Cafco Blaze Shield Type D	04765	NY121
Same as above	Girl Scout Council Bldg. 335 E. 46th St. NY, NY	1-21-66	Cafco Blaze Shield Type D	9925	NY122
Same as above	Nat. Maritime Union Bldg. 346 West 17th St. NY, NY	10-21-65	Cafco Blaze Shield Type D "	07947	NY123
" Same as above	Same as above	10-27-65	Cafco Sound Shield Patching Fiber Cafco Blaze-Shield Type D Slipover Bags	08063	NY124
Same as above	40 Fordham University Job Between 60th & 62nd St. Columbus Circle NY, NY	7-31-67	Cafco Type D	12839	NY125

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____ _____

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., New York	c/o Meadowbrook Hospital Hempstead Turnpike & Carman Ave. Meadowbrook, Long Island, NY	4-24-69	Cafco Blaze-Shield Type D	13110	NY126
Same as above	Same as above	2-21-69	Cafco Blaze-Shield Type D	12084	NY127
Same as above	same as above	2-27-69	Cafco Blaze-Shield Type D	12161	NY128
Mancini & Klimchuck 129 Odell Ave. Endicott, NY	c/o First City Natl Bank Court St. Binghamton, NY HRH Const. Co.	8-23-71	Cafco Blaze-Shield Type D	11962	NY129
Same as above	c/o Temple Israel Bldg. Vestal, NY c/o Edward L. Nezelek, Inc	4-19-68	Cafco Blaze-Shield Standard Cafco Latex	07144	NY130

SALES TO [illegible] FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mancinni & Klinchuck 129 Odell Avenue Endicott, NY	c/o Vincent J. Smith, Gen. Contr. Wilson Memorial Hosp. Johnson City, NY	12-4-68	Cafco Blaze-Shield Type D	10984	NY131
Same as above	1st Stop Busse (or Russe) School Glenwood Rd. Binghamton, NY 2nd Stop Cornell Univ. Multi Cat. Lab Bldg. Ithaca, NY Stewart & Bennie G.C.	12-13-71	1st Stop Cafco Blazeshield Type D C/F Cafco Patching Fiber 2nd Stop Cafco Blazeshield Type D C/F	13345	NY132
Same as above	1st Stop Spencer Van-Elton School Spencer, NY Last Stop Chemung Canal Trust Co. Main St. Elmira, NY	9-21-70	1st Stop Cafco Blazeshield Type D Last Stop Cafco Blazeshield Type D	23132	NY133
Richter Acoustics Co. 510 Fenimore Rd. Mamaroneck, NY	c/o 67th Ave. & 102nd St. Forest Hills, Queens, NY	9-5-62	Cafco Sound Shield	07625	NY134
Richter Sales Co., Inc. Same address as above	c/o Route 59 & New York Thruway, Spring Valley, NY	7-5-62	Cafco Sound Shield	07486	NY135

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Richter Insulation & Sales Co. 641 Center Ave. Mamaroneck, NY	Meet man at Post Rd. in Dairy Ann, just before Norwalk Border Line, just before Cook Restaurant	11-26-57	Cafco Spray, Type 1 Cafco Sealer	01076	NY136
Richter Acoustical and Fireproofing ~~641 Center Ave~~ Same address as above	Chatran Towers Restaurant 1 block away from Pelham Base	5-7-58	Cafco Spray, Standard Cafco Adhesive	03466	NY137
New York Aircraft Inc 280 Madison Ave. NY, NY	551 09 2nd St. Long Is. City, NY	2-15-66	Cafco Sound Shield 85 Cafco Blaze Shield Type D	10143	NY138
Anderson-Johnson Co. 918 Canal St. Syracuse, NY	c/o Fletcher McCarthy Const. Co. Utica Mutual Life Insurance Co. New Hartford, NY	6-4-70	Cafco Blaze-Shield Type D	21237	NY139
same as above	Conforti & Eisele Co. Colonie Center Colonie, NY	1-66	Type D	11805	NY140

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Hendrison Johnson Co. 918 Canal St. Syracuse, NY	Streeter Assoc. St. Johns Attendment Seminary Montour Falls, NY	11-08-65	Cafco Heat Shield Cafco Adhesive	8039	NY141
Same as above	c/o Sano Rubin Const. Co. Albany State Teachers College, New Dormitory Western Ave Albany, NY	7-17-59	Cafco Heat Shield	03174	NY142
Same as above	c/o Sano Rubin Const. Co. Albany Medical College New Scotland Ave. Albany, NY	6-4-62	Cafco Sound-Shield Cafco Blaze-Shield Cafco Adhesiv Cafco Sealer	07419	NY143
Same as above	c/o Pahl Const. Co. Sibley Project, Phase B Syracuse, NY	6-4-69	Cafco Heat Shield Cafco Bond-Seal	13693	NY144
Same as above	H.S. Kaiser Co. Veterans Admin. Hospital Syracuse, NY	2-23-66	Cafco Blaze Shield Type D	10167	NY145

SALES RECORDS FOR

U. S. MINERAL PRODUCTS CO./COLUMBIA ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co Inc 918 Canal St. Syracuse, NY	Minnesota Mining & Mfg. Co. 1900 Mt. Reed Blvd. Rochester, NY	2-1-68	Cafco Patching Fiber	05758	NY 146
Same as above	40 3M Building 1900 Mt. Reed Blvd. Rochester, NY Turner Const. Co.	1-15-68	Cafco Blazeshield Type D	05465	NY 147
Same as above	Same as above	1-3-68	Cafco Blazeshield Type D "	05229	NY 148
Same as above	Same as above	12-8-67	Cafco Patching Fiber	04055	NY 149
Same as above	Same as above	11-28-67	Cafco Blazeshield Type D Mark II Coating Cafco Patching Fiber	03731	NY 150

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co. Inc 918 Canal St. Syracuse, NY	3M Building 1900 Mount Read Blvd. Rochester, NY	11-13-67	Cafco Blaze-Shield Type D Mark II Coating	03363	NY151
Same as above	C/o M.S. Kelliher Co. Inc University of Rochester Dining Hall East and West Towers Rochester, NY	3-25-63	Cafco Sound Shield	07979	NY152
Same as above	C/o 3M Building Turner Const. Co. 1900 Mount Read Blvd. Rochester, NY	3-20-68	Cafco Blaze-Shield Type D "	06620	NY153
Same as above	Minnesotta Mining & Mfg. Co. Same address as above	4-10-68	Cafco Patching Fiber	07145	NY154
Same as above	Perfetto Whalen Const. Mercy Hospital Health & Rehabilitation Center Nursing Home Auburn, NY	5-07-71	Cafco Blaze-Shield Type D	10333	NY155

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

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STATE: _____ _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contractors 56 West 45th St. New York, NY	c/o National Bank of Westchester North Avenue New Rochelle, NY	6-2-69	Cafco Blaze Shield Type D	13585	NY156
Same as above	c/o Long Island University Willoughby Street Brooklyn, NY G.C. Foster Goldman	5-1-67	Type D	10187	NY157
Same as above	c/o Susan Wagner High Bricelle Ave. & Manor Rd. Richmond, Staten Is., NY	12-6-66	Type D	42690	NY158
Wm. Isherwood, Inc. Same address as above	MONY Insurance Bldg. Syracuse, NY	6-20-66?	Type D	11620	NY159
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, Long Island, NY	c/o Meadowbrook Hospital Hempstead Turnpike & Carman Ave. Meadowbrook, Long Island, NY.	11-14-69	Cafco Blaze-Shield Type D	16968	NY160

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	c/o Diesel Const. Co. Richmond College 130 Stuyvesant Place St. George, Staten Is. Attn: John O'Donnell	10-11-68	Cafco Patching Fiber	09990	NY 161
Henderson Johnson Co. Inc 918 Canal St. Syracuse, NY	Utica Mutual Life Insurance Co. New Yartford, NY	6-24-70	Cafco Blazeshield Type D	21686	NY162
Allied Plastering Co. 20 East First Ave. Mt. Vernon, NY	c/o Pepsi-Cola Building Anderson Hill Road Harrison, NY	1-10-69	Cafco Patching Fiber "	11433	NY163
Colletti & Liquidone Inc. 10 Fiske Place Mt. Vernon, NY	New Yonkers Public Library Central Ave. South of Tuckahoe Rd. Yonkers, NY	8-3-61	Cafco Sound Shield Cafco Adhesive	06532	NY164
same as above	same as above	8-7-61	Cafco Sound Shield	06549	NY165

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Colletti & Lagunidara Inc 20 East First St. Mt. Vernon, NY	c/o IBM job 1000 Westchester Ave. Harrison, NY	10-2-67	Cafco Blaze-Shield Type D	02461	NY 166
Same as above	Same as above	10-11-67	Type D	02604	NY 167
Same as above	Same as above	10-12-67	Type D	02605	NY 168
Same as above	c/o Westchester Plains Plaza North Broadway & Main St. White Plains, NY	10-16-67	Cafco Heat Shield Cafco Latex Cafco Sealer	02745	NY 169
Same as above	c/o IBM 1000 Westchester Ave. Harrison, NY	10-19-67	Cafco Blaze-Shield Type D	02809	NY 170

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____

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SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Colletti & Laquidara Inc. 20 East 1st Street Mt. Vernon, NY	IBM 1000 Westchester Ave. Harrison, NY	10-20-67	Cafco Blaze Shield Type D	02814	NY 171
same as above	same as above	10-26-67	Cafco Type D	02924	NY 172
same as above	same as above	10-27-67	Cafco Blaze-Shield Type D "	02931	NY 173
Colletti & Laquidara, Inc 10 Fiske Place Mt. Vernon, NY	c/o Sinai Temple 132 Crary Avenue Mt. Vernon, NY	6-25-59	Cafco Heat Shield Cafco Sound Shield Cafco Adhesive Cafco Sealer	03058	NY 174
same as above	same as above	7-20-59	Cafco Sound Shield Cafco Heat Shield Cafco Adhesive Cafco Sealer	03175	NY 175

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Cellitti & Laquidara, Inc. 20 East First St. Mt. Vernon, NY	Van Wyck Expressway job Queens, N.Y.	1-10-64	Cafco Blaze Shield Cafco Sound Shield	NX#68	NY 176
Same as above	IBM Building 1000 Westchester Ave. Harrison, NY	11-6-67	Cafco Blaze Shield Type D Model B Nozzles Cafco Latex Adhesive	03309	NY 177
Same as above	c/o Pepsi-Cola Building Anderson Hill Rd. Harrison, NY Entrance on Lincoln Ave.	10-30-69	Cafco Blaze-Shield Type D "	16553	NY 178
Same as above	1st Stop Office Bldg., 2006 Ken St. off Rte 22 White Plains, NY / Pepsi Cola Bldg Anderson Hill Rd. Harrison, NY	10-15-69	1st Stop Cafco Blaze Shield Type D / Cafco Blazeshield Type D Cafco Patching Fiber Model B Nozzle	16192	NY 179
Same as above	c/o National Airlines Bldg. Kennedy Airport Long Island, NY John Lowery, gen cont.	2-21-69	Cafco Blazeshield Type D	12556	NY 180

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Colletti & Lequidara, Inc. 20 East First St. Mt. Vernon, NY	Bloomingdale Road North Side of Cross Westchester Expressway, White Plains, NY	3-29-67	Type D Model A Nozzle Sealer	10012	NY 181
Same as above	40 Pepsi Cola Building Anderson Hill Road Harrison, NY	1-22-69	Cafco Blazeshield Type D	11596	NY 182
Same as above	Same as above	2-5-69	Cafco Blazeshield Type D	11843	NY 183
Same as above	Same as above	1-10-69	Cafco Blazeshield Type D	11435	NY 184
Same as above	Same as above	1-16-69	Cafco Blazeshield Type D	11518	NY 185

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Colletti & Laguidara, Inc 20 East First Street Mt. Vernon, NY	c/o Pepsi Cola Building Anderson Hill Road Harrison, NY	1-27-69	Cafco Blaze Shield Type D	11670	NY 186
Same as above	Same as above	1-31-69	Cafco Blaze Shield Type D	11776	NY 187
Colletti & Laguidara Inc 10 Fiske Place Mt. Vernon, NY	c/o Colletti & Laguidara Inc. 370 West St. West & Washington St. NY City (Lower Manhattan)	9-21-60	Cafco Sound Shield Cafco, Adhesive	04731	NY 188
Colletti & Laguidara Inc 20 East First Ave. Mt. Vernon, NY	c/o Pepsi-Cola Bldg. Anderson Hill Rd. Harrison, NY	11-27-68	Cafco Blaze Shield Type D	10803	NY 189
Same as above	Same as above	12-5-68	Cafco Blazeshield Type D	10804	NY 190

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Galletti & Laquidara, Inc. 20 East First St. Mt. Vernon, NY	c/o Pepsi-Cola Bldg. Anderson Hill Rd. Harrison, NY	11-14-68	Cafco BlazeShield Type D	10559	NY191
Same as above	Same as above	11-14-68	Cafco BlazeShield Type D	10560	NY192
Same as above	Same as above	11-6-68	Cafco Blazeshield Type D	10360	NY193
Same as above	c/o 4231 Virgo Ave. Off 233rd St exit, head East Near Woodland Cemetary, 2 blocks before Webster Ave. Bronx, NY	10-16-68	Cafco BlazeShield Type D	10075	NY194
Same as above	c/o Pepsi-Cola Bldg. Anderson Hill Rd. Harrison, NY	10-31-68	Cafco BlazeShield Type D	10358	NY195

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Colletti & Laguidara Inc. 20 East First St. Mt. Vernon, NY	c/o Pepsi-Cola Building Anderson Hill Rd. Harrison, NY	11-6-68	Cafco Blazeshield Type D Cafco Patching Fiber	10359	NY196
Same as above	c/o Continental Baking Co. Theodore Freind Ave. (get off at Rye Playland exit) Parallel with New England Thruway near Osborne Old Age Home Rye, NY	3-8-68	Cafco Blazeshield Type D Cafco Patching Fiber Cafco Solvent Adhesive Cafco Sealer	06495	NY 197
Same as above	c/o Stewart Muller 222 Westchester Ave. White Plains, NY (near new IBM Building)	3-14-68	Cafco Blazeshield Type D "	06594	NY 198
Cuddihy & Hubner 250 West Main St. Montauk Highway Bayshore, Long Is., NY	c/o Harper College Physical Science Bldg. Binghamton, NY Penn York, Gen. Contrs.	12-18-67	Cafco Heat Shield Cafco Sealer Cafco Solvent Adhesive	04199	NY199
Bill Gargano, Inc. Po Box 673 122 Jennings St. Endicott, NY	Harper College Physical Ed. Bldg. Vestal, NY c/o Bill Gargano	9-23-68	Sound Shield 85 Blaze-Shield Type D	09551	NY 200

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mr. Wm. Gargano 122 Jennings St. Endicott, NY	Neil R. Nielson Const. YMCA Building Oneonta, NY	2-15-65	Cafco Sound Shield Cafco Heat Shield Cafco Adhesive Solvent	05098	NY201
Henderson-Johnson Co. Inc. 918 Canal Street Syracuse, NY	c/o Daniel J. Meagher Const. Co. Treadway Inn Oak St. Batavia, NY	10-26-60	Cafco Sound Shield Cafco Adhesiv Cafco Sealer	04880	NY202
same as above	c/o Deline Const. Co. YMCA-YWCA Pool Bldg. 200 Block of Massey St. Watertown, NY	10-4-68	Cafco Blazeshield, Standard "	09763	NY203
Davis-Fetch & Co. 236 Seajaquada St. Buffalo, NY	c/o New York State Animal Hospital Springville, NY (40 mi. South of Buffalo)	11-12-58	Cafco Spray Type 1	02148	NY204
Gargano Plastering Co. 122 Jennings St. Endicott, NY	Cortland State Teachers C Cortland Lecture Hall Cortland, NY William C. Paul, Gen. Contr.	1-11-66	Cafco BlazeShield Type D	9827	NY205

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Allied Plastering Co. 20 E 1st St. Mt. Vernon, NY (same address as Colletti & Laguidara, Inc)	Indoor Tennis Court Cliff St. New Rochelle, NY	11-05-65	Cafco Blaze Shield Type D	8067	NY206
Same as above	Korvettes Dept. Store Pelham Pky & Boston Post Rd. US 1 Pelham Manor Westchester County, NY	11-12-65	Cafco Blaze Shield Type D	8233	NY207
Same as above	Same as above	11-12-65	Cafco Blaze Shield Type D "	8234	NY208
" Same as above	Same as above	11-26-65	Cafco Blaze Shield Type D	8330	NY209
Same as above	Same as above	11-26-65	Cafco Blaze Shield Type D	8331	NY210

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: _____

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Allied Plastering Co. 20 E 1st St. Mt. Vernon, NY (same address a Colletti & Laguidara, Inc)	Korvettes Dept. Store Pelham Pky. & Boston Post Rd US 1 Pelham Manor Westchester County, NY	12-08-65	Cafco Blazeshield Type D	9567	NY 211
Same as above	Same as above	12-13-65	Cafco Blazeshield Type D	9629	NY212
Same as above	c/o 134th St. & Union Tpke. Queens, NY	8-29-63	Cafco Blaze Shield Cafco Sound Shield	08280	NY213
Same as above	c/o Milton Harbor Houses Rye, N.Y.	4-19-67	Type D	10469	NY214
Same as above	c/o Pepsi-Cola Bldg. Anderson Hill Rd. Harrison, NY	11-6-68	Cafco Patching Fiber	10460	NY215

SALES TO ... OS FOR
U. S. MINERAL PRODUCTS CO./COLU... ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co. Inc 918 Canal St. Syracuse, NY	c/o Lange-Finn Const. Co. Maintenance Bldg. Water Filtration Plant Northern Drive at Rt. #40 Troy, NY	9-24-64	Cafco Blaze Shield	09140	NY 216
Same as above	c/o D. Fortunato Inc. NY.P.P. Power Control Center Rt. 20 & Rt. 146 Near McCormacks Corner Guilderland, NY	4-15-69	Cafco Blaze Shield Type D	12872	NY 217 ~~[illegible]~~
Sprayed Fireproofing Con. 56 West 45th St. NY, NY	Memorial Home Hospital 15 Armon St. Brooklyn, NY	12-02-65	Cafco Blaze Shield Type D "	9527	NY 218 ~~[illegible]~~
Wm. Isherwood, Inc. 6 W. 46th St. NY City, NY	c/o American Airlines Passenger Terminal Bldg. International Airport Queens, NY	11-23-59	Sound Shield Cafco Adhesive	03754	NY 219
Wm. Isherwood, Inc. 56 West 45th St. NY, NY	Pan Am Cargo Bldg. Kennedy Airport NY, NY	1-25-66	Cafco Blazeshield Type D	9956	NY 220

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

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STATE: NY

SOLD TO	~~1st Stop~~ SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. Inc. 56 West 45th St. NY, NY	1st Stop c/o New Bank Bldg. 176 Broadway NY, NY 2nd Stop Warehouse 496 Jelliff Ave. Newark, N.J.	9-19-67	1st Stop Cafco Blazeshield Type D 2nd Stop Cafco Blazeshield Type D	02163	NY221
J.L. Kempthorne c/o Sprayon Insulation and Acoustics 315 N. 6th St. Newark, N.J.	J.L. Kempthorne c/o Right Finishing Co. 14 St. John St. Monticello, NY	3-3-58	Cafco Spray, Type 1	01338	NY222
Same as above	Fort DuBoise Job, N.Y.	6-20-58	Cafco Spray, Type 2 Cafco Spray, Standard	01684	NY223
Same as above	Richter Acoustics and Fireproofing Co. 641 Center Ave. Mamaroneck, NY	4-8-58	Cafco Spray, Type 1 Cafco Adhesive Cafco Sealer Cafco Spray, Type Standard	01501	NY224
Same as above	Same as above	9-25-58	Cafco Spray, Standard Spray Bon	01988	NY225

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: N

46

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
J.L. Kempthorne c/o Spraydon Insulation & Acoustics 315 North 6th St. Newark 7, N.J.	c/o Richler Acoustical and Fireproofing Co. 3181 Westchester Ave. Bronx, NY Ordi Const. Co.	9-23-58	Spraydon, Standard Adhesive Sealer	01983	NY226
Mancini & Klimchuck 129 Odell Ave. Endicott, NY	First City National Bank Court St. Binghamton, NY HRH Const. Co.	6-18-71	Cafco Blazeshield Type D	11134	NY227
Same as above	New York Telephone Bldg. Church St. Elmira, NY	6-03-71	Cafco Blazeshield Type D "	11115	NY228
" Same as above	Same as above	6-03-71	Cafco Blazeshield Type D	11116	NY229
Same as above	1st Step IBM job Bldg. #14 Endicott, NY 2nd Sale Elmira, NY	11-20-?	Cafco Blazeshield Type D Cafco Blazeshield Type D	24636	NY230

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mancini & Klimchuck Co., Inc. 129 Odell St. Endicott, NY	1st Stop: Wayne County Memorial Hospital Job Honesdale, Penn. Last Stop: Theodore Roosevelt Bevir St. Binghamton, NY	6-15-70	1st Stop Cafco Blazeshield Type D Last Stop Cafco Blazeshield Type D	21416	NY231
Same as above	c/o Theodore Roosevelt Bevir St. Binghamton, NY	8-5-70	Cafco Blazeshield Type D	22330	NY232
Kane Acoustical Co., Inc. 692 West Prospect Ave. Fairview, N.J.	Kay Fries Chemical West Haverstraw, NY	7-18-62	Cafco that Shield Cafco Adhesive Cafco "Sealer	07509	NY 233
William Isherwood Inc. 6 E. 46th St. NY17, NY	c/o American Airlines Passenger Terminal Bldg. International Airport Queens, NY	7-14-59	Cafco Blaze Shield Cafco Sound Shield	03157	NY 234
Iario & DiBono Plastering Co. Inc. 370 Northern Blvd. Great Neck, Long Is., NY	437 Madison Ave. NY, NY Job Phone: 755-2551	5-17-67	Type D	11126	NY235

SALES RE[illegible]US FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

48

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering Co. Inc. 370 Northern Blvd. Great Neck, Long Is., NY	437 Madison Ave. NY, NY Job Phone 755-2551	5-5-67	Type D	10892	NY 236
Same as above	Same as above	5-5-67	Type D	10893	NY237
Same as above	40 New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave. NY, NY	7-22-68	Cafco Blazeshield Type D "	08617	NY238
Same as above	437 Madison Ave. NY, NY	4-6-67	Type D	10252	NY239
Same as above	Same as above	4-20-67	Type D	10429	NY240

SALES RE DS FOR
U. S. MINERAL PRODUCTS CO./COL ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering Co. Inc. 370 Northern Blvd. Great Neck, L.I., NY	437 Madison Ave. NY, NY	4-3-67	Type D	10097	NY 241
Same as above	c/o New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave. NY, NY	8-7-68	Cafco Blazeshield Type D	08471	NY242
Same as above	Same as above	7-12-68	Cafco Blazeshield Type D "	08467	NY243
Same as above	McGraw Hill Job 7th Avenue Between 48th & 49th St. Enter on 7th Ave. NY, NY	9-21-70	Cafco Blazeshield Type D	23139	NY 244
Same as above	Same as above	9-16-70	Cafco Blazeshield Type D	22969	NY245

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

50

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	600 3rd Ave. NY, NY	9-8-70 ~~22946~~	Cafco Blazeshield Type D	22946	NY246
Same as above	McGraw Hill Project 7th Avenue Between 48th & 49th St. Enter on 7th Ave. Side N.Y., N.Y.	9-4-70	Cafco Blazeshield Type D	22834	NY247
Same as above	Same as above	9-3-70	Cafco Blazeshield Type D "	22833	NY248
Same as above	600-3rd Ave. NY, NY	7-1-70	Cafco Blazeshield Type D	21675	NY249
Same as above	% World Trade Center 136 Liberty St. and Westside Highway NY, NY	3-31-70	Cafco Blazeshield Type D-X ?	20060	NY250

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

51

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering Co. Inc. 370 Northern Blvd. Great Neck, L.I., NY	c/o Sig. Sommers Const. Co. 600 3rd Ave. NY, NY	6-19-70	Cafco Blazeshield Type D	21510	NY 251
Same as above	c/o 111 Livingston St. Brooklyn, NY	6-22-70	Cafco Blaze Shield Type D Cafco Patching Fiber	21534	NY 252
Same as above	Same as above	2-24-70	Cafco Blazeshield Type D "	21588	NY 253
Same as above	Same as above	6-26-70	Cafco Blazeshield Type D	21589	NY 254
Same as above	Same as above	6-16-70	Cafco Blazeshield Type D	21451	NY 255

SALES N[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering Co. Inc 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway New York, NY	1-27-66	Cafco Blazeshield Type D	9947	NY256
Same as above	Same as above	2-03-66	Cafco Blazeshield Type D	9969	NY257
Same as above	Same as above	12-27-65	Blaze Shield "D" "	9736	NY 258
Same as above	Same as above	1-03-66	Cafco Blazeshield Type D	9777	NY 259
Same as above	Same as above	1-26-66	Cafco Blazeshield Type D	9917	NY260

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N.

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering Co. Inc. 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway NY, NY	1-26-66	Cafco BlazeShield Type D	9944	NY261
Same as above	c/o McGraw Hill job 7th Ave. Between 48th & 49th St. Enter on 7th Ave. Side NY, NY	11-11-70	Cafco BlazeShield Type D	24279	NY262
Same as above	Same as above	11-17-70	Cafco BlazeShield "	24494	NY263
Same as above	Same as above	11-20-70	Cafco Blazeshield Type D	24543	NY264
Same as above	Same as above	11-24-70	Cafco Blazeshield Type D	24573	NY 265

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

54

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	c/o McGraw-Hill job 7th Ave. Between 48th & 49th St. NY, NY	11-2-70	Cafco Blazeshield Type D	24016	NY266
Same as above	Same as above	11-6-70	Cafco Blazeshield Type D	24212	NY267
Same as above	Same as above	10-19-70	Cafco Blazeshield Type D	23733	NY268
Same as above	140 Broadway NY, NY Permit # 11 1734496	3-03-66	Cafco Blazeshield Type D	10279	NY269
Same as above	Same as above	3-08-66	Cafco Blazeshield Type D	10326	NY270

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

55

STATE: N.

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastri-) 370 Northern Blvd. Great Neck, L.I., NY	40 McGraw-Hill job 7th Ave. Between 48th & 49th St. Enter on 7th Ave. Side NY, NY	11-30-7[illegible]	Cafco Blazeshield Type D	24736	NY271
Same as above	114 Broadway NY, NY Permit # 11 1734496	2-23-66	Cafco Blazeshield Type D	10191	NY272
Same as above	140 Broadway NY, NY Permit # 11 1734496	2-25-66	Cafco Blazeshield Type D	10249	NY273
Same as above	Same as above Permit # 11 1734469	3-01-66	Cafco Blazeshield Type D	10252	NY 274
Same as above	Same as above Permit # 11 1735496	2-08-66	Cafco Blazeshield Type D	10048	NY275

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

56

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri- 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway NY, NY Permit # 11 1734496	2-10-66	Cafco Blazeshield Type D	10089	NY276
Same as above	Same as above	2-16-66	Cafco Blazeshield Type D	10139 ?	NY277
Same as above	114 Broadway NY, NY Permit # 11 1734496	2-18-66	Cafco Blazeshield Type D "	10158	NY278
Same as above	140 Broadway NY, NY 11-1734496	3-20-67	Type D	45223	NY279
Same as above	437 Madison Ave. NY, NY 11-1734496	3-27-67	Type D	45352	NY280

SALES R' 'S FOR
U. S. MINERAL PRODUCTS CO./COL' ACOUSTICS AND FIREPROOFING CO.

57

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBaro Plastri-, 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway NY, NY 11-1734496	12-20-66	Type D	43322	NY281
Same as above	437 Madison Ave. NY, NY 11-1734496	3-13-67	Type D	45095	NY 282
Same as above	Same as above	7-25-67	Cafco Type D	12539	NY 283
Same as above	Same as above	2-1-67	Type D	44232	NY 284
Same as above	Same as above	2-1-67	Type D	44305	NY 285

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N.

58

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & Dibono Plasteric 370 Northern Blvd. Great Neck, L.I., NY	437 Madison Ave. NY, NY 11-1734496	1-16-67	Type D	43860	NY 286
Same as above	Same as above	1-26-67	Type D	44116	NY 287
Same as above	Same as above	1-16-67	Type D	43859	NY 288
Same as above	140 Broadway NY, NY 11-1734496	1-5-67	Type D	43566	NY 289
Same as above	Same as above	7-14-66	Type D	11959	NY 290

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N

59

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri, 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway N.Y.	6-16-66	Type D	11602	NY 291
Same as above	Same as above	6-23-66	Type D	11622	NY 292
Same as above	Same as above	6-23-66	Type D	11623	NY 293
Same as above	Same as above 11-1734496	6-30-66	Type D	~~11714~~ 11714	NY 294
Same as above	Same as above	6-30-66	Type D	11715	NY 295

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

60

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	140 Broadway N.Y	6-16-66	Type D	11601	NY296
Same as above	437 Madison Ave. NY, NY 11-1734496	2-14-67	Type D	44515	NY297
Same as above	140 Broadway NY, NY 11-1734496	2-20-67	Type D	44641	NY298
Same as above	437 Madison Ave NY, NY 11-1734496	2-27-67	Type D	44712	NY299
Same as above	Same as above	3-2-67	Type D	44863	NY300

SALES R[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

61

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	437 Madison Ave. NY, NY 11-1734496	3-8-67	Type D	44966	NY301
Same as above	c/o World Trade Center 136 Liberty St. & Westside Highway NY, NY	3-24-70	Cafco Blazeshield Type "D-X" ?	19974	NY302
Sprayed Fireproofing Contrs. Inc. 249 East 35th St. NY, NY	1st Stop N.L.(?) Burner 265 Great Neck Rd. Great Neck, NY 2nd Stop 494 Jelliff Ave. Newark, N.J.	1-27-64	1st Stop Cafco Heat Shield 2nd Stop Cafco Blaze Shield Cafco Sound Shield	08526	NY303
Sprayed Fireproofing Contrs. Inc. 56 West 45th St. NY, NY	State College New Paltz, NY	6-23-70	Cafco Blazeshield Type D	21574	NY304
Same as above	Same as above	6-30-70	Cafco Blazeshield Type D	21696	NY305

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

02

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. Inc. 56 West 45th St. NY, NY	C S Braun (?) Mountain Ave & Diamond Hi Murray Hill, NY	2-26-65	Cafco Blaze Shield Patching Fiber	05238	NY 306
Same as above	SE Queens High School Springfield Blvd. Springfield Gardens, NY	5-06-65	Cafco Blaze Shield Type D	06001	NY 307
Same as above	c/o IBM Bldg. Faculty Complex Bldg. 133 Westchester Ave. White Plains, NY	7-22-68	Cafco Blaze Shield Type D	08606	NY 308
Same as above	Same as above	5-27-68	Cafco Blaze Shield Type D	07803	NY 309
Same as above	Same as above	7-1-68	Cafco Blaze Shield Type D	08355	NY 310

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N.

63

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. Inc. 56 West 45th St. NY, NY	IBM Headquarters Faculty Complex Bldg. 133 Westchester Ave. White Plains, NY	6-19-68	Cafco BlazeShield Type D	08204	NY311
Right Finishing Co. Woodcliff Ave. Monticello, NY	New YMCA Bldg. Poughkeepsie, NY	5-15-68	Cafco BlazeShield Type D	07570	NY312
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	65th & Central Park West NY, NY on 65th St. 11-1734496	11-10-69	Cafco BlazeShield Type D "	16844	NY313
Same as above	Same as above	10-31-69	Cafco BlazeShield Type D	16610	NY314
Same as above	1st Stop 1133 6th Ave. NY, NY 2nd Stop 50th St. & 3rd Ave. NY, NY	9-23-68	1st Stop Cafco BlazeShield Type D 2nd Stop Cafco BlazeShield Type D	09622	NY315

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: N

64

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastri- 370 Northern Blvd. Great Neck, L.I, NY	New Office Bldg. 43rd and 6th Ave. NY, NY	11-1-68	Cafco Blazeshield Type D	10377	NY316
Same as above	Same as above	11-20-68	Cafco Blazeshield Type D	10672	NY317
Same as above	Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave. NY, NY	3-21-68	Cafco Blaze Shield Type D	06741	NY318
Same as above	39th St. & 3rd Ave. NY, NY	7-8-70	Cafco Blazeshield Type D	21843	NY319
Same as above	140 Broadway NY, NY 11-1734496	12-7-66	Type D	43060	NY320

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: _____

65

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & Dibono Plastering Co 370 Northern Blvd. Great Neck, LI, NY	600 - 3rd Ave. NY, NY	7-13-70	Cafco Blazeshield Type D	21920	NY 321
Same as above	Same as above	7-20-70	Cafco Blaze Shield Type D	22070	NY 322
Same as above	Same as above	8-26-70	Cafco Blazeshield Type D	22727	NY 323
Same as above	Same as above	9-1-70	Cafco Blazeshield Type D	22798	NY 324
Mario & DiBono Plastering 370 Madison Ave. NY, NY	1st Stop 600-3rd Ave. NY, NY Last Stop c/o School Job Co-op City Baychester Ave Bronx, NY	8-7-70	1st Stop Cafco Blazeshield Type D Last Stop Cafco Blazeshield Type D	22408	NY 325

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

66

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	600-3rd Avenue & 39th St. NY, NY	8-21-70	Cafco Blazeshield Type D	22645	NY326
Same as above	Same as above	7-16-70	Cafco Blazeshield Type D	22002	NY327
Same as above	New Office Bldg. 43rd St. and 6th Ave. NY, NY	3-4-69	Cafco Blazeshield Type D	12227	NY328
Same as above	New Office Bldg. 50th St. & 3rd Ave. 825 3rd Ave. NY, NY	6-14-68	Cafco Blazeshield Type D	08127	NY329
Same as above	New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave. NY, NY	6-20-68	Cafco Blazeshield Type D	08197	NY330

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasterin 370 Northern Blvd. Great Neck, L.I., NY	New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave. NY, NY	6-20-68	Cafco Blaze Shield Type D	08198	NY331
Same as above	Same as above	6-28-68	Cafco Blaze Shield Type D	08289	NY332
Same as above	Same as above	6-28-68	Cafco Blazeshield Type D	08290	NY333
Same as above	Same as above	5-23-68	Cafco Blazeshield Type D	07815	NY334
Same as above	Same as above	6-5-68	Cafco Blaze Shield Type D	07912	NY335

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

68

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri, 370 Northern Blvd. Great Neck, Long Is., NY	New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133 6th Ave. NY, NY	6-5-68	Cafco Blazeshield Type D	07913	NY336
Same as above	Same as above	6-13-68	Cafco Blazeshield Type D	08074	NY337
Same as above	Same as above	3-29-68	Cafco Blazeshield Type D	06831	NY338
Same as above	Same as above	3-18-68	Cafco Blazeshield Type D	06633	NY339
Same as above	Same as above	5-21-68	Cafco Blazeshield Type D	07774	NY340

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLV[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133 - 6th Ave. NY, NY	5-6-68	Cafco BlazeShield Type D	07500	NY 341
Same as above	Same as above	4-24-68	Cafco BlazeShield Type D	07295	NY 342
Same as above	Same as above	5-17-68	Cafco BlazeShield Type D	07701	NY 343
Same as above	Same as above	5-13-68	Cafco BlazeShield Type D	07619	NY 344
Same as above	Same as above	4-30-68	Cafco BlazeShield Type D	07366	NY 345

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

70

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasterin 370 Northern Blvd. Great Neck, L.I., NY	New Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133-6th Ave NY., NY	4-5-68	Cafco BlazeShield Type D	06948	NY 346
Same as above	Same as above	2-29-68	Cafco BlazeShield Type D	06392	NY 347
Same as above	Same as above	2-21-68	Cafco Blazeshield Type D	06238	NY 348
Same as above	Same as above	3-12-68	Cafco BlazeShield Type D	06556	NY 349
Same as above	Same as above	4-19-68	Cafco BlazeShield Type D	07213	NY 350

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

71

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri-) 370 Northern Blvd. Great Neck, L.I., NY	Office Bldg. 43rd St. & Ave. of Americas Between 43rd & 44th St. 1133 - 6th Ave. NY, NY	4-15-68	Cafco BlazeShield Type D	07168	NY 351
Same as above	Same as above	4-9-68	Cafco BlazeShield Type D	06987	NY352
Same as above	Same as above	2-15-68	Cafco Blaze Shield Type D	06158	NY353
Same as above	Same as above	3-6-68	Cafco BlazeShield Type D	06469	NY 354
Same as above	Same as above	6-6-69	Cafco BlazeShield Type D	13777	NY355

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY.	95 Wall St. New York, NY	5-23-69	Cafco Blaze Shield Type D	13553	NY356
Same as above	95 Wall St. & Water St. NY, NY	5-9-69	Cafco Blaze Shield Type D	13350	NY357
Same as above	95 Wall St. NY, NY	5-16-69	Cafco Blaze Shield Type D	13452	NY358
Same as above	Same as above	6-12-69	Cafco Blaze Shield Type D	13886	NY359
Same as above	Same as above	5-29-69	Cafco Blaze Shield Type D	13649	NY360

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

73

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri- 370 Northern Blvd. Great Neck, L.I., NY	77 Water St. NY, NY (Manhattan)	6-5-69	Cafco BlazeShield Type D	13776	NY361
same as above	same as above	6-10-69	Cafco BlazeShield Type D	13844	NY362
same as above	same as above	5-19-69	Cafco BlazeShield Type D	13487	NY363
same as above	same as above	5-21-69	Cafco BlazeShield Type D	13520	NY364
same as above	same as above	5-26-69	Cafco BlazeShield Type D	13580	NY365

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COI[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	77 Water St. NY, NY (Manhattan)	5-12-69	Cafco BlazeShield Type D	13376	NY366
Same as above	Same as above	5-15-69	Cafco BlazeShield Type D	13408	NY367
Same as above	Same as above	5-8-69	Cafco BlazeShield Type D	13323	NY368
Same as above	Same as above	6-3-69	Cafco BlazeShield Type D	13691	NY369
Same as above	Same as above	5-28-69	Cafco BlazeShield Type D	13635	NY370

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plasteri 370 Northern Blvd. Great Neck, L.I., NY	77 Water St. NY, NY (Manhattan)	6-13-69	Cafco BlazeShield Type D	13908	NY 371
Same as above	Same as above	6-17-69	Cafco BlazeShield Type D	13925	NY 372
Same as above	Jewish Blind Institute Off 65th St. & Central Parkway NY, NY	10-17-69	Cafco BlazeShield Type D "	16269	NY 373
Same as above	World Trade Center 136 Liberty St. & Westside Highway NY, NY	10-17-69	Cafco BlazeShield Type D	16204	NY 374
Same as above	Same as above	10-20-69	Cafco BlazeShield Type D	16205	NY 375

SALES RF DS FOR
U. S. MINERAL PRODUCTS CO./COL / ACOUSTICS AND FIREPROOFING CO.

STATE: NY

76

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	World Trade Center Liberty St. & Westside Highway NY, N.Y.	10-24-?	Cafco BlazeShield Type D	16375	NY376
Same as above	Same as above	10-27-69	Cafco BlazeShield Type D	16507	NY377
Same as above	Same as above	10-31-69	Cafco BlazeShield Type D	16544	NY378
Same as above	Same as above	10-29-69	Cafco BlazeShield Type D	16545	NY379
Same as above	Same as above	11-5-69	Cafco BlazeShield Type D	16659	NY380

SALES R' 'DS FOR
U. S. MINERAL PRODUCTS CO./COL' ACOUSTICS AND FIREPROOFING CO.

STATE: NY

77

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, LI, NY	World Trade Center Liberty St. & Westside Highway NY, NY	11-20-69	Cafco Blazeshield Type D	16960	NY381
Same as above	Same as above	2-20-70	Mark II Coating Cafco Blazeshield Type DX	19381	NY382
Same as above	Same as above	4-17-70	Cafco Blazeshield Type DX "	20399	NY383
Same as above	Same as above	4-17-70	Cafco Blazeshield Type DX	20356	NY384
Same as above	Same as above	4-15-70	Cafco Blazeshield Type D-X Cafco Mark II Coating	20354	NY385

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

78

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	World Trade Center 136 Liberty & Westside Highway NY, NY	4-14-70	Cafco BlazeShield Type D-X	20353	NY386
Same as above	Same as above	4-9-70	Cafco BlazeShield Type D-X	20264	NY387
Same as above	Same as above	4-8-70	Cafco BlazeShield Type D-X	20241	NY388
Same as above	Same as above	3-26-70	Cafco BlazeShield Type D-X	20045	NY389
Same as above	Same as above	3-26-70	Cafco BlazeShield Type D-X	20031	NY390

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, LI, NY	World Trade Center 136 Liberty St. and Westside Highway NY, NY	2-25-70 Thru 3-26-70	Cafco Blaze-Shield Type D-X	19482, 19674, 19739, [redacted], 19894, 20044	NY 391 (5 pages) ~~(6 pages)~~
Same as above	Same as above	3-13-70	Cafco Blaze Shield Type D	19809	NY392
Same as above	McGraw-Hill job 7th Ave. Between 48th & 49th St. Entr on 7th Ave. Side NY, NY	8-4-70 Thru 5-17-71	Cafco Blaze Shield Type D	22362 Thru 10752	NY 393 (28 pages
Same as above	Bankers Trust Bldg. 280 Park Ave. Entr at 49th St. entrance NY, NY c/o Zigmund Sommers Genl. Contr.	12-28-67 Thru 5-13-68	Cafco Blazeshield Type D	05113 Thru 07588	NY394 (20 pages
Same as above	1st Step 280 Park Ave., Bankers Trust Bldg. NY, NY 2nd Step	2-9-68	Cafco Blazeshield Type D	05982	NY395

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

80

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastri-) 370 Northern Blvd. Great Neck, L.I., NY	600-3rd Ave. & 39th St. NY, NY	4-13-70	Cafco BlazeShield Type D	20315	NY396
Same as above	111 Livingston St. Brooklyn, NY	5-29-70 thru 7-17-70	Cafco BlazeShield Type D	21156 thru 22013	NY397 (8 pages)
Same as above	c/o CO-OP City Service Road of New England Thruway Barton [illegible] Exit Bldg. #6 NY, NY	6-10-69 and 6-17-69	Cafco Blazeshield Type D "	13855 and	NY398 (2 pages)
Same as above	c/o CO-OP City New England Thruway Boston Ave. Bronx, NY	10-19-70	Cafco Blazeshield Type D	23763	NY399
Same as above	437 Madison Ave. NY, NY	4-20-67 thru 11-6-67	Type D	10474 thru [illegible]	NY400 ([illegible]

SALES R[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

81

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	C/o Co-op City Customers Trailer 2800 Baychester Ave. At Barton & Baychester Ave. Bronx, NY	4-16-70	Cafco Blaze Shield Type D	20377	NY401
Same as above	C/o Co-op City Baychester Ave. Bronx, NY C/o School Job	8-10-70	Cafco Blaze Shield Type D	22409	NY402
Same as above	C/o Sigmund Sommers Const. Co. Third Ave. Between 39th and 40th NY, NY	3-31-70 and 4-3-70	Cafco Blaze Shield Type D "	20077 and 20128	NY403 (2 pages)
Same as above	C/o New Office Building 43rd St. and 6th Ave. NY, NY	1-7-69	Cafco Blaze Shield Type D	11337	NY404
Same as above	C/o Meadowbrook Hospital Hempstead Turnpike & Carman Ave. Meadowbrook, L.I.	4-16-69 Thru 11-5-69	Cafco Blaze Shield Type D	12881 Thru 16[illegible]	NY405 12 more

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

82

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Mario & Dibono Plastri-370 Northern Blvd Great Neck, L.I., NY	130 John St. Manhattan, NY one block from Water St.	4-23-69	Cafco Blazeshield Type D	13102	NY406
Same as above	Johns St. & Water St. Downtown Manhattan, NY	4-16-69	Cafco Blazeshield Type D	12986	NY407
Same as above	Water St.-John & Pearl St. NY, NY Blitz Const. Co.	4-3-69	Cafco Blazeshield Type D	12776	NY408
Same as above	40 Diesel job 75 Water St. Manhattan, NY	4-23-69	Cafco Blazeshield Type D	13078	NY409
E.T. Sampson & Co. Inc 409216 Boivin St. Ville LaSalle, P.Q., Canada	40 IBM Exhibition Pavilion New York Worlds Fair 111th St. & Long Is. Expressway NY, NY	8-13-63 10-28-63 11-26-63	Cafco Heat Shield	08238 08387 08429	NY410 (2 Doors

SALES RE[illegible]DS FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: N.

83

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY 10036	c/o Channin Bldg. 39th St & Broadway NY, NY (1411 Broadway) (New Office Bldg.)	1-10-69 1-20-69 1-22-69 2-21-69	Cafco Blazeshield Type D	11323 11733 11593 12034	NY411 (4 pages)
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	c/o World Trade Center Liberty St. & Westside Highway NY, NY	3-29-69 7-31-69 10-11-69 10-14-?	Cafco Blazeshield Type D	12809 13708 16062 16172	NY412 (4 pages)
Allied Plastering Co. 20 East 1st St. Mt. Vernon, NY	Security Mutual Ins Bldg. Grand Concourse & 149th St. Bronx, NY	6-03-65 6-03-65 6-15-65 6-24-65 6-11-65	Cafco Blazeshield Type D " (6-11-65 invoice also has Cafco Heat Shield)	06314 06315 06446 06577 06?57?	NY413 (5 pages)
Carney & DelGuidice Inc. 1845 Jasmine Ave. New Hyde Park, NY	Chevrolet Whse MacDonald Ave. Brooklyn, NY (MacDonald Ave. & Ave. I)	2-11-65 8-3-65	Cafco Blazeshield Type D	07164 07?85	NY414 (2 pages)
Colletti & Laquidara Inc 20 E. First St. Mt. Vernon, NY	St. Augustine Chapel 292 Henry St. (Deliver on Madison St) NY, NY	3-13-63 4-15-63	Cafco Blaze Shield Cafco Heat Shield	07956 08034	NY415 (2 pages)

SALES BY [illegible]S FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

84

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Neff Lathing Co. Inc 274 Madison Ave. NY City, NY	Union Carbide Bldg. Between Madison & Park Ave. on 48th St ½ Block East of Madison Ave NY, NY c/o George A. Fuller	9-29-58 10-3-58 10-7-58 10-13-58 11-26-58	Cafco Spray, Standard Spraydon	02002 02028 02030 02036 02211	NY416 (5 pages)
Allied Plastering Co Twenty East First St. Mt. Vernon, NY	Federal Office Bldg. NY, NY (Lafayette St.) across from Gov't. Bldg)	6-24-66 thru 1-31-67, 10-6-67	Type D (Some are Type D-3, Type H, Cafco Patching Fiber)	11708 thru 44111, 02460	NY417 (40 pages)
Wm. Isherwood Inc. 56 West 45th St. NY, NY	Pan Am Cargo Bldg. Kennedy Airport NY, NY	1-06-66 2-21-66 2-28-66	Cafco BlazeShield Type D "	8209 10192 10274	NY418 (3 pages)
Colletti & Liquidata Inc 20 East First St. Mt. Vernon, NY	National Airlines Terminal Unit JF Kennedy Intl. Airport New York Intl. Airport Queens, L.I., NY John Lowry, Gen. Contr. (Between TWA & Trans-Caribbean Airlines)	10-22-68 3-4-69 3-29-69	Cafco BlazeShield Type D	09780 12237 12757	NY419 (3 pages)

SALES R[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COL[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

85

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY	American Airlines Inc. Kennedy Airport Turner Const. Co. Long Is., NY	11-13-69	Cafco Blazeshield Type D	16945	NY420
Allied Plastering Co. 20 E. 1st St. Mt. Vernon, NY	Columbia University Uris Hall 120th St. between Broadway & Amsterdam Ave. NY, NY Turner Const. Co.	6-28-63 12-26-63 3-3-64 4-29-64	Cafco Blazeshield and Patching Fiber	08164 08464 08580 08650	NY421 14 pages
Same as above	1st Stop 15 Broad St. NY, NY Attn: Dan Brada 2nd Stop Uris Hall Columbia University 120th St., NY, NY	12-13-63	1st Stop Cafco Blazeshield 2nd Stop Cafco Blazeshield and Patching Fiber *SAYS NOT SHIPPED*	08463	NY422
Cuddihy & Hurbrier & Lamporter Inc. 250 West Main St. Montauk Ave. Bayshore, Long Is., NY	c/o St. Aloyicious Church 350 Seneca Ave. Brooklyn, NY	9-29-67	Cafco Blazeshield Type D	02444	NY423
Allied Plastering Co 20 East First St. Mt. Vernon, NY	c/o PS 185 111th St. between 5th & Lennox NY, NY	7-15-66	Type D	11971	NY424

SALES R/ OS FOR
U. S. MINERAL PRODUCTS CO./COL ACOUSTICS AND FIREPROOFING CO.

STATE: NY

86

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Allied Plastering Co. 20 East First St. Mt. Vernon, New Jersey	NY Coliseum 58th St. & Columbus Circle NY, NY	7-28-66 8-1-66	Type D Blazeshield	12053 12063	NY425 (2 pages)
Aristocraft Fiberspraying Co. 915 East 89th St. Brooklyn 36, NY	3 Holmes Lane Brooklyn, NY	8-6-64	Cafco Sound Shield	08953	NY426
Colletti & Lagudara Inc. 10 Fiske Place Mt. Vernon, NY	Social Security Office Bldg. Walton Ave & E 151st St. Bronx, NY	11-20-59	Cafco Heat Shield Cafco Blaze Shield "	03675	NY427
Ace Builders Supply Co. 33 St. & E. River Dr.	Dryden Hotel 150 E. 39th St. New York	8-12-60	Cominco #2	01430	NY428
E. T. Sampson & Co, Inc c/o 92116 Boivin St. Ville LaSalle, P.Q., Canada	New York Port Authority Heliport New York Worlds Fair New York	5-6-63 10-30-63 12-3-63	Cafco Blazeshield & Blazeshield Patching Fibre	08074 08392 08448	NY429 (3 pages)

STATE: N

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Henderson-Johnson Co, Inc 918 Canal St. Syracuse, NY	3M Building 1900 Mt. Read Blvd. Rochester, NY c/o Turner Const. Co.	12-8-67	Cafco Patching Fibre	04056	NY430
Same as above	c/o A.W. Hopman & Sons, Co. St. Mary's Hospital Rochester, NY	7-10-64	Cafco Blaze Shield Cafco Heat Shield	08894	NY431
Sprayed Fireproofing Contrs. 56 West 45th St. NY, NY	IBM Bldg. Faculty Complex Bldg. 133 Westchester Ave. White Plains, NY	7-29-68	Cafco Heat Shield "	08738	NY432
" Same as above	RH Macy Queens Blvd. Rego Park Queens, NY	3-23-65	Cafco Blaze Shield - Type D	05416	NY433
Same as above	Travelers Insurance Pavilion New York Worlds Fair NY, NY	2-20-64	Cafco Sound Shield	08558	NY434
Terminal S. Kearny, N.J.	Tompkins Tidewater Terminal		and Stop Cominco #1 & #2	(02747)	

SALES RECORDS FOR

U. S. MINERAL PRODUCTS CO./COLUMBIA ACOUSTICS AND FIREPROOFING CO.

STATE: NY

89

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Party Const. Co. Inc. 1218 Steuben St. Utica, NY	c/o Robert Potter Rte #11 Cicero, NY	10-20-67	Cafco that Shield Cafco Type "H"	01738	NY440
Mario & DiBono Plastering 370 Northern Blvd. Great Neck, L.I., NY	77 Water St. NY, NY	5-6-69 4-29-69	Cafco Blazeshield Type D	13264 13156	NY441
Lee Jerman	c/o Knudsen Assoc. 4014 New Court Ave. Syracuse, NY	6-28-63	Cominco Monoply Insulating Cement	17121	NY442
Henderson-Johnson Co. Inc. 918 Canal St. Syracuse, NY	Robert F. Hyland & Sons Rochester, NY	7-27-66	Type D Blazeshield	12197	NY443
Mario & DiBono Plastering 370 Northern Blvd. Great Neck L.I. NY	140 Broadway NY, NY	10-3-66	Patching Fiber	41251	NY444

SALES IN[illegible] FOR

U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

90

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Johns-Manville International Corp. 22 East 40th St. NY, NY	Same (Ave to the attention of Mr. August Pocius 8th Floor)	7-14-64 10-6-64 6-26-65	Cafco Power Shield J spray (Johns Manville J spray) (Standard samples J spray)	08875 09158 6454	NY445 (3 pages)
Johns-Manville Sales Corp. 22 East 40th St. NY, NY	E. J. Brandt 50-20-25th St. Long Island City, NY	9-23-66	Sample J-Spray	41035	NY446
Johns-Manville Sales Corp. 560 South 3rd Ave Mt. Vernon, NY	Same	9-21-67	J spray	10472	NY447
JM International 22 East 40th St. NY 16, NY	Markings Schneider Winterthur Via Antwerp	3-17-65	Cafco Blaze Shield Cafco Blaze Shield Type D Cafco Sound Shield Cafco Sound Shield 85 Power Shield	5329	NY448
			Asbestos Cement Cafco Adhesive		

SALES TO /S FOR

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

91

LD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
TM International Corp. 22 East 40th St. NY, NY	c/o S.S. American Traveler 59 North River NY, NY	11-29-66	Cafco Power Shield	42440	NY449
Same as above	c/o Costa Lines S.S. Maria Costa Pier #5, Port Authority Brooklyn, NY	10-27-66	Cafco BlazeShield Type D	41387	NY450
Same as above	will advise	1-30-67	Cafco BlazeShield Type D "	43851	NY451
mpire Ace Insulation Mfg. Co. 000 Cooper Ave. Glendale, LI, NY or	Some go to Same Others to ①451 ? Ave Jersey City, N.J.	3-21-61 Thru 4-11-69	Ace-tite Cominco Cominco Loose Wool. Cominco #1 Cominco Monoply Cement Stencilled Ace Power Cement	04262 Thru 12930	NY452 (31 pages)
1 Cozine Ave. Brooklyn, NY	② Attn Mr. Harold Faske in Cozine Ave. ③ Con Edison 134th St. & Locust Ave. Bronx, NY ④ Con Ed.	③ Con Edison Brooklyn, NY			

SALES RE[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

92

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Empire Acc Insulation Mfg. 1 Cozine Ave. Brooklyn, NY	National Asbestos Co 6 Liberty St. Hawthorne N	6-07-65	Cominco Monoply Cement Stencilled Acc Power Cement	06313	NY453
Consolidated Edison Co. of NY, Inc. 4 Irving Place NY, NY	Con-Edison Co. 1 Hudson Ave. Brooklyn, NY (c/o Mr. Ray Shaw, Maint. Dept. or Mr. Hobing, storekeeper)	9-1-67 10-9-68 4-15-69 4-28-69	Cafco Power Shield	01734 09821 12896 13083	NY454 (4 pages)
Same as above	Waterside Plant, Unit #13 708 First Ave. NY, NY Attn: Mr. George Kraus	12-7-67	Cafco Power Shield "	04012	NY455
Same as above	Books only Corrects invoice #05062	1-4-68	Cafco Power Shield	05376	NY456
Same as above	Store Room #27 134 Marshal St. Brooklyn, NY Attn: Mr. Daniel	2-13-68	Cafco Power Shield	06105	NY457

SALES R S FOR

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

93

LD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
onsolidated Edison Co. of NY, Inc. 4 Irving Place NY, NY	T. Denver Astoria Station Major MTC E or Storekeeper 20th Ave. & 21st St. Long Is. City, NY	5-3-68 5-8-68 4-15-69	Cafco Power Shield	07417 07554 12864	NY458 (3 pages)
Same as above	1st Stop East River Station 14th St. & East River Dr. NY, NY Attn: Mr. T. Kautto 2nd Stop Waterside Station 674 First Ave. NY, NY	5-10-68	1st Stop Cafco Power Shield 2nd Stop Cafco Power Shield	07525	NY459
Same as above	850-12th Ave NY City, NY Attn: Mr. Hesselman	6-5-68	Cafco Power Shield "	07903	NY460
Same as above	Con Edison Co. 14th St. & East River Dr. NY, NY Attn: T. Denver	11-15-68	Cafco Power Shield	10634	NY461
Same as above	Hell-Gate Generator Station 134th & Locust Ave. Bronx, NY Attn: Mr. T. Kautto	1-31-69 2-21-69 2-21-69	Cafco Power Shield	11783 11853 12075	NY462 (3 pages

SALES RE[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Consolidated-Edison Co of NY, Inc. 4 Irving Place NY, NY	1st Stop Con-Edison Co. 59th St. Station 850-12th Ave. NY, NY Attn: Mr. C. Troccoli 2nd Stop Con-Edison Co. Storekeeper 90th Ave. & 21st St. Astoria, NY	4-21-69	1st Stop Cafco Power Shield 2nd Stop Cafco Power Shield	13018	NY463
Con Edison Co. of NY 4 Irving Place NY 3, NY	Con Edison Co. of NY 708 1st Ave. NY, NY Attn: Storekeeper	7-30-58 Thru 6-5-64	Cominco	03276 Thru 24258	NY464 (43 pages)
Same as above	Con Edison Co. of NY 416 East 36th St. NY City, NY	8-22-58 Thru 3-13-62	Cominco "	03562 08937	NY465 (14 pages)
Same as above	1st Stop 708 1st Ave. NY City, NY 2nd Stop 416 East 36th St. NY City, NY	5-10-61	Cominco #1	04779	NY466
Same as above	Consolidated Edison of NY 4 Irving Place NY 8, NY	6-22-61	Cominco #1	05350	NY467

U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

95

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
onsolidated Edison Co. 4 Irving Place NY 9, NY	20th Ave. & 21st St. New Warehouse #136 Astoria, L.I., NY	3-18-64	Cominco All-Purpose Ins. Cement	23356	NY468
on Edison Astoria Plant 20th Ave. & 21st St. Astoria, L.I., NY	Same - New Warehouse #136	4-16-64 5-14-64 6-9-64	Cominco All-Purpose Cement	23612 23916 24276	NY469 (3 pages)
Slattery Contracting Co. 46-36 54th Road Maspeth 78, L.I., NY	% Con Edison Excavation Work 69th St. & 3rd Ave. NY City, NY	9-16-60	Cominco #1 "	01860	NY470
Slattery Contracting Co. Same address as above	% Con Edison Excavation Work 66th St. & 3rd Ave. NY City, NY	8-12-60	Cominco #1	01491	NY471
Robert A. Kresby 39 W. 19th St. NY City, NY	Pickup Robert Levine	5-31-60	Cominco #2	12310	NY472

SALES R[illegible] S FOR

U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

96

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Rbt. A. Krasby Co 139-149 West 19th St. NY 11, NY	Same	8-31-64 1-18-65 3-08-65 5-26-65	Cominco	24961 04582 05289 6266	NY473 ~~24961~~ (4 pages)
Robert A. Krasby Co. 921 No. State St. Syracuse, NY	(our says Attn: Carmine Amgotti) Same	10-1-63 6-22-64 8-5-64 8-12-64 11-06-64	Cominco Mono-Ply & Cominco All Purpose	20859 24326 24764 24733 25767	NY474 (5 pages)
Robert A. Krasby Co. 58 No. Manning Blvd. Albany, NY	Same Attn: Mr. Zeckerick (first letter unknown)	11-19-63	Cominco Mono-Ply & Cominco All Purpose	21661	NY475
Rbt. A. Krasby Co. 141 West 19th St. NY, NY	1st Stop Consolidated Edison Warehouse #136 Astoria Plant 20th Ave & 21st St. Astoria, LI, NY 2nd Stop Rbt. A Krasby Co. 141 W. 19th St. NY, NY	6-29-64	1st Stop Cominco All-Purpose 2nd Stop Cominco All Purpose Cominco Monoply	28870	NY476
Rbt. A. Krasby Co. 139-149 West 19th St. NY 11, NY	Con-Edison 20th Ave. & 21st St. Astoria Plant, LI, NY Bldg #136	8-14-64 6-19-65 8-04-65	Cominco All Purpose	24765 06437 07077	NY477 (4 pages)

SALES RE[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

97

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Tri-City Insulation Co., Inc 35 Broadway Menands, NY	(out to J. Derrico) Suburb of Albany, NY	6-24-64 10-7-64	Cominco Mono-Ply Cominco All-Purpose Cominco Insulation (new formulation)	23988 25401	NY478 (2 pages)
Tri-City Insulation Co. 35 North Broadway Albany 4, NY	same	3-11-64	Cominco All-Purpose Cominco Mono-Ply	23262(?)	NY479
Calvin T. Pickersgill JR Bldrs Supply Albany, NY		3-27-65	Cominco Mono-Ply "	5414	NY480
Smith W. Davis Inc 195 Mt. Hope Ave. Rochester, NY		12-31-64 4-1-65	Cominco Mono-Ply Cominco All-Purpose Asbestos Cement	4464 05529	NY481 (2 pages)
Rochester Ind. Insulation 1631 Dewey Ave. Rochester, NY	Attn Mr. S. Stachelck	11-10-64	Cominco Monoply	4064	NY482

SALES RE[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLUM[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

98

LD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Jilliam Summerhays Sons Corp. 520 Clinton Ave. South Rochester, NY	Attn: Mr. Larry Youtzy	5-8-64	Cominco All Purpose Cominco Mono-Ply Loose Wool	23632	NY483
astern Insulation Specialty Co. 132 Salt Point Rd. Poughkeepsie, NY	c/o Cherry Ridge Farms Route #23 Hudson, NY	10-12-64	Cominco All-Purpose	25621	NY484
S&M Home Insulation Co. 568 Broad St. N. Bellmore, L.I., NY	c/o 2470 N. Jerusalem Rd. 1 block east of New Bridge Rd. N. Bellmore, L.I., NY	3-31-60	Cominco Batts'	11744	NY485
yracuse Insulation Distributors, Inc. Old Liverpool Rd. Liverpool, N.Y	same	10-1-63	Cominco	20858	NY486

(The Following Are Invoices with Plastering Companies but No Jobsites)

SALES RE[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

99

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Allied Acoustical Co. 3141 Southern Blvd. Bronx, NY (between 181-182 St) or 3060 Heathcote Ave., Bronx, NY		9-29-60 9-30-60 9-30-60	Cafco Sound Shield	04755 04821 04820	NY487 (3 pages)
Aristocraft Fiberspraying Co. 715 East 89th St. Brooklyn, NY		1-17-66 Thru 2-27-69	Cafco Heat Shield Cafco Blaze Shield Type D Cafco Blaze Shield Standard Type H	9911 Thru 12121	NY488 (22 pages)
Bruderle & Lamparter 4 Burns St. Hicksville, NY		1-14-63 9-9-63 8-11-65	Cafco Blazeshield Cafco Blazeshield Patching Fiber "	07889 08289 0712?	NY489 (3 pages)
Carney & Del Guidice 1845 Jasmine Ave. New Hyde Park, NY		11-18-63 Thru 1-07-65	Cafco Blaze Shield Cafco Sound Shield Cafco Blaze Shield Type D	11-18-63 Thru 04536	NY490 (9 pages)
Colletti & Laguidara Inc 10 Fiske Place Mt. Vernon, NY		12-6-62 12-20-62 1-28-63 2-17-69	Heat Shield Cafco Blaze Shield Patching Fiber	07814 07832 07904 12045	NY491 (5 pages

U. S. MINERAL PRODUCTS CO./COLU ACOUSTICS AND FIREPROOFING CO.

STATE: NY

100

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Collum Acoustical Corp. of ? 616 Delaware Ave. Albany, NY		11-21-63	Cafco Blaze Shield	08423	NY492
Cuddihy, Huzbner, & Lampartes, Inc. 296 Merritt Ave. Syandanach, L.I., NY		3-18-68	Cafco Patching Fibre	06554	NY493
FOR DAVIS & FETCH Co. Look after Rochester Davis-Fetch Corp.					
Vergard Coatings Inc. 301 Portland Ave. Rochester, NY		11-29-68 12-26-68	Cafco Blaze Shield Type D Cafco Blaze Shield Standard Cafco Blaze Shield Type H	10813 11242	NY494 (2 pages)
Mr. William Gargano 122 Jennings St. Endicott, NY		11-05-64 2-5-68 1-3-69	Cafco Sound Shield Cafco Patching Fibre	04012 05901 11298	NY495 (3 pages)
Henderson-Johnson Co. Inc. 918 Canal St. Syracuse, NY		1-11-61 Thru 4-16-71	Cafco Heat Shield Cafco Blaze Shield Type D Cafco Blaze Shield Patching Fibre Blaze Shield Standard	5077 Thru 10080	NY496 (9 pages)

SALES M /S FOR
U. S. MINERAL PRODUCTS CO./COLUM ACOUSTICS AND FIREPROOFING CO.

STATE: NY

OLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Hudson Plastering Co. 200 Sheridan Ave. Buffalo, NY		10-14-66 4-5-67 7-24-68 4-25-69 5-22-69 11-6-70	Blazeshield Type D Heat Shield Type H (Blaze Shield)	41540 10131 08613 13055 13459 24129	NY497 (6 pages)
William Isherwood Inc. 56 West 45th St. NY, NY		7-12-66	Patching Fiber	11861	NY498
Mario & DiBono Plastering Co. 570 Northern Blvd Great Neck, L.I., NY		7-7-66	Type D (Cafco Blaze) "	11880	NY499 (2 pages)
New York Aircrafts Inc. 280 Madison Ave NY 16, NY	Warehouse 5102 2nd St. East River & Borden Ave. L.I. City, NY	12-2-60 3-23-64 3-31-67	Cafco Blaze Shield Cafco Sound-Shield Type H	04994 08605 10046	NY 500 (3 pages)
Michael Pepe (?) 780 Garden St. Bronx, NY		6-18-62	Cafco Sound Shield	07448	NY501

SALES R[illegible]S FOR
U. S. MINERAL PRODUCTS CO./COLU[illegible] ACOUSTICS AND FIREPROOFING CO.

STATE: NY

102

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Richter Insulation & Sales Co. 541 Center Ave. Mamaroneck, NY		11-7-57 Thru 9-21-62	Cafco Spray Standard Cafco Spray Type 1 Cafco Sound Shield Cafco Heat Shield	01008 Thru 07660	NY502 (26 pages)
Right Finishing Co. 14 St. John St. Monticello, NY (John Bogden		11-22-57 Thru 7-23-70	Cafco Spray Type 1 Cafco Spray Standard Cafco Soundshield Blaze Shield Heat Sound Shield (Special)	01083 Thru 21994	NY503 (81 pages)
			Cafco Sound Shield 85 Blaze Shield Type H Blaze Shield Type D Blaze Shield Type D (C/F Fiber)		
Rochester Davis-Fetch Corp. 22 Right St. Rochester 11, NY		7-2-58	Cafco Spray Type 1	01717	NY504
Davis-Fetch & Co. Inc 236 Seajaquada St. Buffalo 15, NY		7-7-58 10-1-58	Cafco Spray Type 1	01732 02004	NY505 (2 pages)

SALES RECORDS FOR

U. S. MINERAL PRODUCTS CO./COLUMBIA ACOUSTICS AND FIREPROOFING CO.

STATE: NY

103

SOLD TO	SHIP TO	INVOICE DATE	PRODUCT DESCRIPTION	INVOICE NUMBER	COMMENTS
Sprayed Fireproofing Contrs 249 East 35th St. NY, NY		10-7-64 Thru 5-12-71	Cafco Heat Shield Cafco Blaze Shield Type D Blaze Shield Patching Fiber Type H (Blaze Shield)	09172 Thru 10668	NY506 (32 pages)
Turner Const. Co. 1999 Mt. Road Blvd. Rochester, NY		9-19-68 11-25-68	Cafco Patching Fiber	09545 10599	NY507 (2 pages)

United States Mineral Licensing Agreements

State: New York

Plastering Company	Products in Agreement	Date	Document Number	Misc./Comments
Earl Paint Corporation ? Gen ? Utica, New York (?) County of Oneida (might have been inc. in Fla.)	Cafco Blazeshield Soundshield Heat Shield	9-15-61	License NY 1	Alabama. *This N.Y. address was crossed out & put Fla. address.

NEW YORK AND NEW JERSEY JOB SITES FROM WALLS & CEILINGS/ PLASTERING INDUSTRIES MAGAZINES

Job	Product	Issue
Chase Manhattan Bank, NYC	Limpet Sprayed Asbestos	August 1959
ITT Building, NYC	Zonolite Monokote	October 1960
Manufacturers & Traders Trust Co., Buffalo, NY	National Gypsum Materials	July 1965
New York Penn Station	Monokote	July 1966
Madison Square Garden		July 1966
Campus Center Elmira College Elmira, NY	Perfolyte (Gold Bond)	August 1966
Four Corners Office Bldg. Rochester, NY	Fireshield	October 1966
World Trade Center, NY	Cafco (p. 37)	December 1968
Prudential Plaza Building Newark, NJ	Zonolite Aggregate USG Plaster	September 1959
Senior High School Vineland, NJ	Kilnoise	July 1966
Youth Reception & Correction Center Yordville, NJ	Kilnoise	August 1968
Newark Airport	Monokote	October 1970

Sweet's Catalog
Job Sites

NEW JERSEY JOB SITES FROM SWEETS CATALOGS

BUILDING	LOCATION	PRODUCT	MANUFACTURER	REFERENCE
Barnert Memorial Hospital Addition	Peterson, NJ	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1966 thru 1971
McGuire Air Force Base	New Jersey	Asbestospray	Asbestos Manufacturing Company	Sweet's 1966 thru 1971
American Cyanamid Office Bldg.	Wayne, NJ	Cafco Blazeshield	Columbia Acoustics & Fireproofing Co.	Sweet's 1963, 1964, 1965-1968
Federal Office Buildings	Newark, NJ	Cafco Blazeshield	United States Mineral Co.	Sweet's 1970
Governor Morris Hotel	Morristown, NJ	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1967, 1968, 1971
Senior Citizens Housing	Iselin, NJ	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1967, 1968-1972
B'nai Israel Synagogue	Millburn, NJ	Hushkote	Cleveland Gypsum Co.	Sweet's 1953
RKO Theatre	Trenton, NJ	Kalite	Certainteed	Sweet's 1938
Auditorium of Washington Irving School	Teaneck, NJ	Kilnoise	Kelley Island Lime & Transport	Sweet's 1943
Egyptian Lacquer Co.	South Kearny, NJ	Kilnoise	Kelley & Island Lime & Transport	Sweet's 1947
Pleasantdale School	West Orange, NJ	Kilnoise	Kelley Island Lime & Transport	Sweet's 1954

New Jersey State Hospital	Ancora	Kilnoise	Tiger Brands/ Basic Inc.	Sweet's 1959
St. Frances Hospital	Jersey City	Kilnoise	Basic	Sweet's 1962
Lord & Taylor	Milburn, NJ	Kilnoise	Basic, Inc.	Sweet's 1962
Princeton University Swimming Pool	Princeton, NJ	Kilnoise	Basic, Inc.	Sweet's 1962
Bristol-Myers Co.	Hillside, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	Sweet's 1959
Dupont (Chamber Works)	Deepwater, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Woodbridge High School	Woodbridge, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Tenacre Foundation	Princeton, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Radio Corp. of America	Harrison, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Federal Telephone & Radio Corp.	Clifton, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Passaic Valley Regional H.S.	Little Falls, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
McGuire Air Force Base	Ft. Dix, NJ	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Convention Hall	Asbury Park, NJ	Macoustic	National Gypsum	Sweet's 1935
Camden Safe	Camden, NJ	Macoustic	National Gypsum	Sweet's 1935

Deposit Co.				
Holy Name of Jesus Church	East Orange, NJ	Macoustic	National Gypsum	Sweet's 1935
Bamberger Store	Newark, NJ	Macoustic	National Gypsum	Sweet's 1935
Post Office	Newark, NJ	Macoustic	National Gypsum	Sweet's 1935
Casino	Asbury Park, NJ	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Ocean City Theatre	Ocean City, NJ	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Central H.S.	Trenton, NJ	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date) located in Branham Files
Wright Aeronautical Corporation	Paterson, NJ	Softone Acoustical Units and Plaster	Amerian Franklin-Olean Tile Co.	Sweet's 1945
Wright Aeronautical Corp.	Woodbridge, NJ	Softone Acoustical Units and Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Astor Theatre	Atlantic City, NJ	Softone Acoustical Units and Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Community Theater	Morristown, NJ	Stucoustic	California Stucco Products Company	Sweet's 1939
High School	Summit, NJ	Stucoustic	California Stucco Products Company	Sweet's 1939
Wright Aero-nautical Corp.	Paterson, NJ	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945

Wright Aero-nautical Corp.	Woodbridge, NJ	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Astor Theatre	Atlantic City, NJ	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Standard Oil Company of New Jersey	NJ	Spraykote	Spray Insulation Inc.	Sweet's 1947
Reynolds Metals Co.	Harrison, NJ	Spraykote	Spray Insulation Inc.	Sweet's 1947
General Motors	Bloomfield, NJ	Spraykote	Spray Insulation Inc.	Sweet's 1947
Fairlawn Schools	Fairlawn, NJ	Spraykote	Spray Insulation Inc.	Sweet's 1947
Kearny H.S.	Kearny, NJ	Spraykote	Spray Insulation Inc.	Sweet's 1947
Passaic Herald News	Passaic, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Hercules Co.	Jersey City, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Lakehurst Naval Terminal	Lakehurst, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Overlook Hospital	New Jersey	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Passaic Herald News	Passaic, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Montgomery Presbyterian	Belleville, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1947

Church				
Ciba Pharmaceutical Co.	Summit, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Duralac Chemical Co.	Newark, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Chris-Kraft Instrument Co.	Union, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Ballentine & Sons	Newark, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
The Hercules Company	Jersey City, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Wilkata Folding Box Company	Kearney, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Photo Products Division of DuPont de Nemours Co.	Parlin, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Naval Reserve Armory	Clifton, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Naval Reserve Armory	Elizabeth, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Setan Hall College Urban Division	Newark, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Station WCTC Chanticleer Broadcasting Co.	New Brunswick, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949

Television AM & FM Radio Station WATV	Newark, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Western Electric Co.	Kearny, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Paper Mill Playhouse	Millburn, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Herald News Offices	Passaic, NJ	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Duro Test Corp	North Bergen, NJ	Softone Acoustical Plaster	American Acoustics, Inc.	Sweet's 1947
WATV Television Studio	Newark, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Public Service Corp.	Newark, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Standard Oil Co. of N. J.	Bayway, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
E. I. DuPont de Nemours Co.	Parlen, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Ciba Pharma-ceutical Co.	Summit, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Sherwin-Williams Paint Co.	Newark, NJ	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
YMCA Swimming Pool Ceiling	Asbury Park, NJ	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1954
Presbyterian Church	Jamesburg, NJ	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959

Professional Office Building	Summit, NJ	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959
St. Joseph Parochial School	Damarus, NJ	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959
Lyndhurst, NJ High School	Lyndhurst, NJ	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1960
Swimming Pool Fairmont Hotel	Lakewood, NJ	Spraycraft	Smith & Kanzler Corp.	Sweet's 1962
Grand Ballroom Military Park Hotel	Newark, NJ	Spraycraft	Smith & Kanzler Corp.	Sweet's 1962
Standard Oil Company	New Jersey	Spraydon	Sprayon Research Corp.	Sweet's 1973

NEW YORK JOB SITES FROM SWEETS CATALOGS

BUILDING	LOCATION	PRODUCT	MANUFACTURER	REFERENCE
Lever House	New York, NY	Zonolite Plaster	W. R. Grace	Sweet's 1957 Fireproofing
Arrival Building New York International Airport	NY	Zonolite Plaster	W. R. Grace	Sweet's 1960 Fireproofing
Ramapo Trust Company	Spring Valley, New York	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1953
TWA Arrival Building	(J.F.K.) Idlewild International Airport, NY	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1963 thru 1971
Library Building College of the City of N.Y.	New York, NY	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1964 thru 1971
State Capital Campus Site State of N.Y. (bldg #'s 4, 5 & 8)	Albany, NY	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1964 thru 1971
Westside H.S. Bd. of Ed.	New York, NY	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1966 thru 1971
St. Lukes Hosp. Women's Hospital Division	New York, NY	Asbestospray	Asbestos Products Manufacturing Company	Sweet's 1966 thru 1971
Union Carbide Building	New York City, NY	Cafco Blazeshield	Columbia Acoustics & Fireproofing Co.	Sweet's 1960, 1962, 1963, 1964 1965, 1968

			(U.S. Mineral)	
Hanover Bank Building	New York City	Cafco Blazeshield	Columbia Acoustics & Fireproofing Co.	Sweet's 1962, 1963, 1964, 1965-1968
Marine Inland Grace Trust Co. Bldg.	New York City	Cafco Blazeshield	Columbia Acoustics & Fireproofing Co.	Sweet's 1967
Marine Midland Building	New York City	Cafco Blazeshield		Sweet's 1968
140 Broadway Building	New York City	Cafco Blazeshield	United States Mineral Co.	Sweet's 1970
Fordham University	New York City	Cafco Blazeshield	United States Mineral Co.	Sweet's 1970
Federal Office Buildings	New York City, NY	Cafco Blazeshield	United States Mineral Co.	Sweet's 1970
Adams Central High School	Syracuse, NY	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1966, 1967, 1968, 1971
Camp for the Blind	Spring Valley, NY	Cafco Sound shield "85"	U.S. Mineral Co.	Sweet's 1967, 1968, 1971, 1972
Junior H.S.	South Orangetown, NY	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1967, 1968-1972
Cortland State College	Cortland, NY	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1967 1968-1972
American Museum of Natural History	New York, NY	Cafco Soundshield "85"	U.S. Mineral Co.	Sweet's 1972 & 1971
New School of Social Research	New York City	Calicel Acoustical	The Calicel Company	Sweet's 1934

Restaurant		Plaster		
International Music hall Rockefeller Center Radio City Section	New York, NY	Kalite	Certainteed	Sweet's 1938
New Criterion Theatre	New York, NY	Kalite	Certainteed	Sweet's 1938
Federal Courthouse Bldg.	New York City	Kalite	Certainteed	Sweet's 1938
Bankers Trust Building	New York, NY	Kalite	Certainteed	Sweet's 1938
Continental Bank Buiding	New York, NY	Kalite	Certainteed	Sweet's 1938
Loew's Blvd. Theatre	New York, NY	Kalite	Certainteed	Sweet's 1938
Metropolitan Life Insurance Bldg.	New York, NY	Kalite	Certainteed	Sweet's 1938
Lincoln Bank Building	Brooklyn, NY	Kalite	Certainteed	Sweet's 1938
Radio Station WEBR	Buffalo, NY	Kalite	Certainteed	Sweet's 1938
Court Rooms Federal Ct. Bldg.	New York, NY	Kalite	Certainteed	Sweet's 1938
Ascot Theatre	New York, NY	Kalite	Certainteed	Sweet's 1938
Alteration to Vitaphone Studio of Warner Bros.	Brooklyn, NY	Kalite	Certainteed	Sweet's 1938

Studio				
Transmitter Building	WHN Astoria Long Island, NY	Kalite	Certainteed	Sweet's 1938
Fenimore Cooper School	East Chester, New York	Kalite	Certainteed	Sweet's 1938
New Criterion Theatre	New York, NY	Kalite	Certainteed	Sweet's 1938
Drydock Savings Bank	New York, NY	Kalite	Certainteed	Sweet's 1938
Federal Courthouse	Buffalo, NY	Kalite	Certainteed	Sweet's 1938
Drydock Savings Bank	New York, NY	Kalite	Certainteed	Sweet's 1939
Central Islip State Hospital Infirmary Bldg. #95	Central Islip, Long Island, NY	Kilnoise	Kelley Island Lime & Transport	Sweet's 1944
Public School #99	New York City	Kilnoise	Kelley Island Lime & Transport	Sweet's 1947
Immaculate Conception School	New York City	Kilnoise	Kelley Island Lime & Transport	Sweet's 1947
United Nations Conference Bldg.	New York	Kilnoise	Kelley Island Lime & Transport	Sweet's 1954
Teagle Hall Cornell Univ.	New York	Kilnoise	Tiger Brands/ Basic Inc.	Sweet's 1959
Misericordia Hospital	New York City	Kilnoise	Basic	Sweet's 1962

Fifth Ave. Synagogue	New York City	Kilnoise	Basic, Inc.	Sweet's 1962
U. N. Building	New York City	Kilnoise	Basic, Inc.	Sweet's 1962
School	East Aurora, NY	Kilnoise	Basic, Inc.	Sweet's 1962
Metropolitan Life Insurance	New York City	Kilnoise	Basic, Inc.	Sweet's 1962
New Rochelle YMCA Pool	New Rochelle, NY	Kilnoise	Basic, Inc.	Sweet's 1962
Cornell University Swimming Pool	New York	Kilnoise	Pfizer	Sweet's 1964
Deering-Milliken Building	New York City	Sprayed Limpet Asbestos	Keasby & Mattison	Sweet's 1959
Chase Manhattan Bank	New York City	Sprayed Limpet Asbestos	Keasby & Mattison	Sweet's 1960, 1962, 1963, 1964
Mohawk Manor	Buffalo, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
66th St. School	Niagra Falls, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Airway Motel	Cheektowaga, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Seaman's Bank Bldg.	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Towne House Hotel	Buffalo, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Board of Educ. Admin. Bldg.	Niagara Falls, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files

Temple Emanuel	Great Neck, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
American Academy of Arts & Letters	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Merchants Midtown Bank	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
F. H. McGraw & Co.	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Railway Express Co.	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Onodaga County Sanitorium	Syracuse, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Horn & Hardart Restaurant	Flushing, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1956 Brochure, Branham Files
Deering-Milliken Bldg.	New York, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Roehrig Insut. Agency	Kenmore, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Continental Inn	Kenmore, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
University of Buffalo	Buffalo, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
M & T Bank	Buffalo, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Park	Snyder, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files

Greiner Bowling Alley	Cheektawaga, Ny	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Derrick Mfg. Co.	Cheektawaga, NY	Sprayed Limpet Asbestos	Keasby & Mattison	1957 Brochure, Branham Files
Bronx Magistrate Court	Brooklyn, NY	Macoustic	National Gypsum	Sweet's 1935
Grassland Hospital	Eastview, NY	Macoustic	National Gypsum	Sweet's 1935
First Presbyterian Church	New Rochelle, NY	Macoustic	National Gypsum	Sweet's 1935
City Bank Farmers Trust Co.	New York	Macoustic	National Gypsum	Sweet's 1935
Fordham University	New York	Macoustic	National Gypsum	Sweet's 1935
Junior League Club	New York	Macoustic	National Gypsum	Sweet's 1935
Clarence Mackay	New York	Macoustic	National Gypsum	Sweet's 1935
National Broadcasting Studio	New York	Macoustic	National Gypsum	Sweet's 1935
Salvation Army Building	New York	Macoustic	National Gypsum	Sweet's 1935
Second Church of Christ Scientist	Rochester, NY	Macoustic	National Gypsum	Sweet's 1935
General Electric Company	Schenectady, NY	Macoustic	National Gypsum	Sweet's 1935

Post Office	Albany, NY	Macoustic	National Gypsum	Sweet's 1935
Brooklyn Law School	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Loew's Theatre	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Paramount Theatre	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Sweet's 1930
National Broadcasting Co. Studios	New York, NY	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Beverly School	New York, NY	Macoustic	Macoustic Engineering Co.	Sweet's 1930
Pitkin Theatre	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweet's (no date) located in Branham Files
United Hospital	Port Chester, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date) located in Branham Files
State Teachers College	Bufffalo, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date) located in Branham Files
Paramount Theatre	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date) located in Branham Files
Physics Bldg. Fordham Univ.	New York, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date)

				located in Branham Files
Public School #10	Brooklyn, NY	Macoustic	Macoustic Engineering Co.	Brochure from Sweets (no date) located in Branham Files
Earl W. Brydges Public Library	Niagra Falls, NY	Albi-Clad	Albi Manufacturing Corp.	Brochure produced by USG
Gulf & Western Plaza	New York, NY	Pyrospray	Keene Corp.	Sweet's 1971
United Nations General Assembly Bldg.	New York, NY	Thermacoustic	Sealtite Insulation Manufacturing Co.	Sweet's 1968 and 1969
110 William St. Building	New York, NY	Thermacoustic	Sealtite Insulation Manufacturing Co.	Sweet's 1968 and 1969
Curtiss-Wright Corp.	Buffalo, NY	Softone Acoustical Units and Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Kew Gardens Apartments	Long Island, NY	Spray-o-flake	Sprayo-Flake Co.	Sweet's 1932
First National Bank of New York	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1938
Union Club	New York	Stucoustic	California Stucco Products Company	Sweet's 1938
Academy of Medicine	New York	Stucoustic	California Stucco Products Company	Sweet's 1938
International	Times Square, NY	Stucoustic	California Stucco	Sweet's 1938

Casino			Products Company	
Queens County Courthouse	Jamaica, Long Island, NY	Stucoustic	California Stucco Products Company	Sweet's 1939
Cancer Hospital	New York	Stucoustic	California Stucco Products Company	Sweet's 1939
High School	Glen Cove Long Island, NY	Stucoustic	California Stucco Products Company	Sweet's 1939
New York Historical Museum	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1939
Public National Bank	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1939
Needle Trades H.S.	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1940
Assembly Hall New York State School	Wassaic, NY	Stucoustic	California Stucco Products Company	Sweet's 1940
Hospital for Joint Diseases	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1940
R.K.O. Theatre	W 23rd St. New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1940
Museum of Modern Art	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1940
Nassau County Court House	Mineola Long Island, NY	Stucoustic	California Stucco Products Company	Sweet's 1941
Hunter College	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1941

Benjamin Franklin H.S.	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1942
Chemical National Bank	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1942
State Hospital	Deer Park Long Island, NY	Stucoustic	California Stucco Products Company	Sweet's 1942
Cardinal Hayes Memorial H.S.	New York, NY	Stucoustic	California Stucco Products Company	Sweet's 1942
Brooks Memorial Hospital	Dunkirk, NY	Softone Acoustical Units and Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Harlem Hospital	New York, NY	Softone Acoustical Units and Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Curtiss-Wright Corp.	Buffalo, NY	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Brooks Memorial Hospital	Dunkirk, NY	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
Harlem Hospital	New York, NY	Softone Acoustical Units & Plaster	American Franklin-Olean Tile Co.	Sweet's 1945
St. George Hotel (Swimming Pool)	Brooklyn, NY	Spraykote	Spray Insulation Inc.	Sweet's 1947
Gilmore Steak House	New York, NY	Spraykote	Spray Insulation Inc.	Sweet's 1947
New York State Racing Commission	New York, NY	Spraykote	Spray Insulation Inc.	Sweet's 1947
Mason General Hospital	Deer Park, Long Island, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1947

Department of Justice	Ellis Island, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Miller Field	Long Island, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
New York Housing Authority	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Hempstead Elks Club	Hempstead Long Island, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1947
Fire Dept Repair Shop	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Public School 157	Queens, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Public School 22	Bronx, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Reuben's Restaurant	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
W&J Sloane	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Marine-Midland Trust Co.	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Charleston Gardens B. Altman & Co.	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
N Y State Housing Authority	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
N Y City Housing Authority	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949

International Airport	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Republic Aviation Corp.	Farmingdale, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Patne Industries	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Textron, Inc.	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Hotel Commodore	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Yankee Stadium Club Room	New York, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Tournament Lanes Bowling Alleys	Brooklyn, NY	Spraykote	Sprayed Insulation Inc.	Sweet's 1949
Lord & Taylor's Bird Cage Restaurant	Mamaroneck, NY	Softone Acoustical Plaster	American Acoustics, Inc.	Sweet's 1949
The Brass Rail	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Howard Johnson's New Yorker	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Eastman Recordak Corp.	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Charleston Gardens B. Altman & Co.	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
U.S. Supreme Court	Brooklyn, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953

N.Y. Fire Dept. Repair Shop	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Republic Aviation Corp.	Farmingdale, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Hotel Commodore	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
International Airport	New York, NY	Spraycraft	Sprayed Insulation, Inc.	Sweet's 1953
Charleston Gardens B. Altman & Son	Fifth Avenue New York, NY	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1956
Thayer Hall United States Military Academy	West Point, NY	Spraycraft	Smith & Kanzler Corp.	Sweet's 1959
Monroe Bowling Alley	Monroe, NY	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959
Westchester Airport	Westchester, NY	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959
West Point Military Academy	West Point, NY	Spraycraft	Installed by: "Aaer-Sprayed" Insulations, Inc.	Sweet's 1959
Nurses Dining Room Bellview Hospital	New York, NY	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1959
Puhlman Foundry	Buffalo, NY	Thermacoustic	National Gypsum Co.	Letter located in NG documents dated 3/27/59.

Thruway Bowling Lanes	Buffalo, NY	Thermacoustic	National Gypsum Co.	Letter located in NG documents dated 3/27/59.
Suburban Bowling Lane	Tonawanda, NY	Thermacoustic	National Gypsum Co.	Letter located in NG documents dated 3/27/59.
Skyway Bowling Lane	Plattsburg, NY	Thermacoustic	National Gypsum Co.	Letter located in NG documents dated 3/27/59.
Old Westbury Estates	Old Westbury Long Island, NY	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1960
Administration, Construction and Maintenance Bldg. #5	Dept. of Public Works, Albany, NY	Spraycraft	Smith & Kanzler Corp.	Sweet's 1962
Pan Am Building	New York	Spraycraft	Smith & Kanzler Corp.	Sweet's 1962
60 Broad Street	New York	Spraycraft	Smith & Kanzler Corp.	Sweet's 1962
Episcopal Church Center	New York	Spraycraft	Smith & Kanzler	Sweet's 1964
Chemical Bank New York Trust Building	Park Ave., New York, NY	Spraycraft	Smith & Kanzler	Sweet's 1964
Buffalo & Erie County Public Library	Buffalo, NY	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1964
AT&T 1964-65 New York	New York, NY	Spraydon	Sprayon Insulation & Acoustics, Inc.	Sweet's 1964

World's Fair				
Home Insurance Co. Bldg.	New York, NY	Spraydon	Sprayon Research Corp.	Sweet's 1966
Madison Square Garden Sports & Entertainment Center	New York, NY	Spraycraft	Smith & Kanzler	Sweet's 1967
General Motors	769 Fifth Ave New York, NY	Spraydon	Sprayon Research Corp.	Sweet's 1968
United Nations General Assembly Building	New York, NY	Thermacoustic	Sealtite Insulation Manufacturing Co.	Sweet's 1968 & 1969
Information Center Gateway Building		Thermacoustic	Sealtite Insulation Manufacturing Co.	Sweet's 1968 & 1969
110 William St. Building	New York, NY	Thermacoustic	Sealtite Insulation Manufacturing Co.	Sweet's 1968 & 1969
Monroe County Health & Welfare Administration Building	Rochester, NY	Spraycraft	Smith & Kanzler	Sweet's 1969
No. 1 New York Plaza	New York, NY	Spraycraft	Smith & Kanzler	Sweet's 1969
Gulf & Western Plaza	New York, NY	Pyrospray	Keene Corp.	Sweet's 1971
Marine Midland Building	Buffalo, NY	Spraydon	Sprayon Research Corp.	Sweet's 1973
Agency Bldg.	South Mall	Spraydon	Sprayon Research	Sweet's 1973

	Albany, NY		Corp.	
Earl W. Brydges Public Library	Niagra Falls, NY	Albi-Clad	Albi Manufacturing Corp.	Brochure produced by USG.

1

THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF NEW YORK
CASE NO. 91-CIV-0310

THE PORT AUTHORITY OF NEW YORK, and NEW JERSEY (formerly known as "The Port of New York Authority") and PORT AUTHORITY TRANS-HUDSON CORPORATION ("PATH"), individually and as successor in interest of properties owned by Hudson Tunnel Railroad Company, New York and New Jersey Railroad Company, Hoboken & Manhattan Railroad Company, Hudson and Manhattan Railroad Company, Hudson and Manhattan Corporation, Hudson Rapid Tubes Corporation, and Hudson-Manhattan Railroad,

Plaintiffs,

vs

ALLIED CORPORATION, (individually and as a subsidiary of "Allied-Signal Inc."), et al.,

Defendants.

DEPOSITION UNDER ORAL EXAMINATION OF JOHN C. OTTINGER VOLUME I

BRODY & GEISER
CERTIFIED SHORTHAND REPORTERS
77 Hamilton Avenue
Fords, New Jersey 08863
(908) 738-8555

JOB #201285

1 A Plastic, p-l-a-s-t-i-c, which is a formulated
2 material that had asbestos in it and was used for
3 acoustical applications.
4 Q Were there any other asbestos --
5 A There was another product that was a -- what was
6 called a castable, a high temperature insulating cement
7 which contained asbestos. It was used in boiler
8 applications and oil burner conversions from coal.
9 Q Were there any other asbestos-containing
10 products that you manufactured?
11 A No.
12 Q Let me ask you about specific buildings at
13 Kennedy Airport and see if any of these jog your memory
14 at all.
15 A Yes.
16 Q The question would be on whether or not
17 Grace fireproofing or plaster products were installed
18 in those buildings. We're talking about
19 asbestos-containing, and again, the pre-1973 period.
20 Or if you know of any other companies whose products
21 were used in those buildings, fireproofing or plaster
22 asbestos-containing products.
23
24
25

1 [redacted]
2
3
4
5 Q Pan American Hangar 17.
6 A No knowledge of that one.
7 Q Pan American Hangar 19.
8 A No, not of that one.
9 [redacted]
10
11
12
13
14
15
16 Q The Pan Am Passenger Terminal, that's the
17 building you referred to earlier in your testimony.
18 A I believe it -- that's the building, yeah, that
19 I do recall.
20 [redacted]
21
22
23
24
25

[redacted]

[redacted]

PORT AUTHORITY CONTINUED TO ALLOW SPRAYING OF OTHER ASBESTOS-CONTAINING CEMENTITIOUS PRODUCTS

[redacted]

Specifications For Pan Am Passenger Terminal at JFK Allowed Asbestos-Containing Monokote

"(2) Asbestos Containing Material - The sprayed fireproofing material shall be cementitious type, and may be Monokote 3, which contains asbestos, as manufactured by Zonolite Division of W.R. Grace & Co., or approved equal, provided that its application procedures comply with the Order of the Commissioner, New York City Department of Air Resources, entitled 'In the Matter of the Spraying of Asbestos Containing Material,' effective June 23, 1970."

(Pan Am Specification, Revised 11/16/70, DX-659)

THE PORT AUTHORITY OF NY & NJ

One World Trade Center
New York, N.Y. 10048

Office of Senior
Litigation Counsel

Milton H. Pachter
Senior Litigation Counsel
(212) 432-6157

File

August 17, 1988

MEMORANDUM

Re: Defendants' Inspection Activities
Port Authority, et al v. [redacted]

Gentlemen:

Please be advised of the following additions in reference to the asbestos removal schedule regarding abatement projects at Port Authority facilities. [redacted]

(1) John F. Kennedy International Airport, Building No. 52, West Wing, Unit Terminal Area (Job No. T215.020); an asbestos removal contract has been established; approximately 290 linear feet of pipe insulation is being removed at an estimated cost of $10,000.00.

(2) John F. Kennedy International Airport, Building No. 179, 1st floor warehouse (Job No. T215.028); an asbestos removal contract has been established; approximately 770 linear feet of pipe insulation is being removed at an estimated cost of $15,000.00.

(4) John F. Kennedy International Airport, Building No. 53, Pan Am Worldport, Concourse level (Job No. T215.022); an asbestos removal contract has been established; approximately 530 square feet of spray-on fireproofing is being removed at an estimated cost of $30,000.00.

There is currently no Port Authority asbestos control program survey data available for the above-referenced areas.

Also enclosed are contract specifications for item "1" - Building 52 at JFK -- extracted from construction records and other sources. (There is currently no information available regarding items "2" and "3"). The material provided may not apply to the particular area which is the subject of this removal. The manufacturers listed in this data are possible manufacturers. Defendants expressly assume the risk of relying on such information to their own detriment and may not use the fact of such reliance as grounds to preclude the plaintiffs from offering any evidence as to any manufacturer of such material.

Pending agreement or assignment of lead counsel for defendants, as additional information becomes available relating to Port Authority abatement activities, it will be forwarded to all counsel who have appeared and/or demanded a complaint.

If there are any questions concerning inspection activities please do not hesitate to call the undersigned.

Very truly yours,

Ann Marie Christie

Ann Marie Christie
Attorney
(212) 432-6136

THE PORT OF NEW YORK AUTHORITY

NEW YORK INTERNATIONAL AIRPORT

INTERNATIONAL ARRIVAL AND AIRLINE WING BUILDINGS

SUPERSTRUCTURE

CONTRACT NYA-650.01

PART THREE OF THREE PARTS

APRIL 1956

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

AMD-13

PAN ~~AB~~ AM

1

71	Building 53, East Customs			215.087
50	✓ Submittle	✓ Plans	? ✓ Approval	Y-6072A
	✓ Narritives	✓ checklist	– T/O Assess.	– Waste Ship Doc.
	– samples		– clearance	Still in Progress OSI
~~44~~	Building B 53, Departure Level Drive way Ceilings			215.076
~~44~~	Submittle	Plans	Approval	Y-6142
44	Nat.	checklist	T/O Assess.	Waste Doc.
	Samples		Clearence	
~~42~~	Canopies			215.059
9	✓ submittle	✓ Plans	Approval	Y 6076
	✓ Nat.	checklist	T/O Assmnt.	Waste Doc. Suspended Job.
	Samples		Clearance	
~~53~~	Bldg 53 Pan AM D Area Bag. Service Area, office Bath Rooms			215.052
23	✓ Submittle	✓ Plans	Approval	Y-6074A
	~~✓~~ Nat.	checlist	T/O Assmnt.	Waste Doc
	Samples		Clearance	
~~19~~	Pan Am Bldg 53 Hudsons Shop			215.022
1	✓ Submittle	Plans	Approval	Y-5980
	Nat.	checklist	T/O Assmnt.	Waste Doc.
	Samples		clearance	
~~45~~	Pan Am Bldg 53 ~~Y-61~~ World Port Pilot Lounge west Column Repair Australia Room			215.063
32	✓ Submittle	Plans	Approval	Y-6112
	Nat.	checklist	T/O Assmnt	Waste Doc.
	Samples		clearance	

PAN AM AMD-13

57	Bldg 53 concourse level Pan AM world Port Gate #9				215.071
36	✓ Submittle	Plans	✓ Approval		34 Y-6135A
ired Not.	✓ Narritives	✓ checklist	T/D Assess.	Waste Ship Doc.	Y 6123A
	✓ samples		clearance		
56	Pan Am H. 19 Employee office Area				215.068
37	✓ Submittle	✓ Plans	Approval		Y-6122A
	✓ Nar.	checklist	T/D Assess.	Waste Doc.	
	✓ Samples		Clearence		
44	Pan Am Building 53 oddsize Baggage conveyor				215.062
31	✓ submittle	✓ Plans	Approval		Y-6068A Y-6080A
	✓ Nar.	checklist	T/D Assmnt.	Waste Doc.	
	Samples		Clearance		
	Building 54, outbound conveyor East Side Belt ?				
cems one but No Info!	✓ Submittle	Plans	Approval ?		
	Nar.	checlist	T/D Assmnt.	Waste Doc	
	Samples		Clearance		

[redacted]

JFK 215.0[illegible]

AMD-13

[illegible]

FANAN

Bill 53 - Converse

Local Gate 9

39

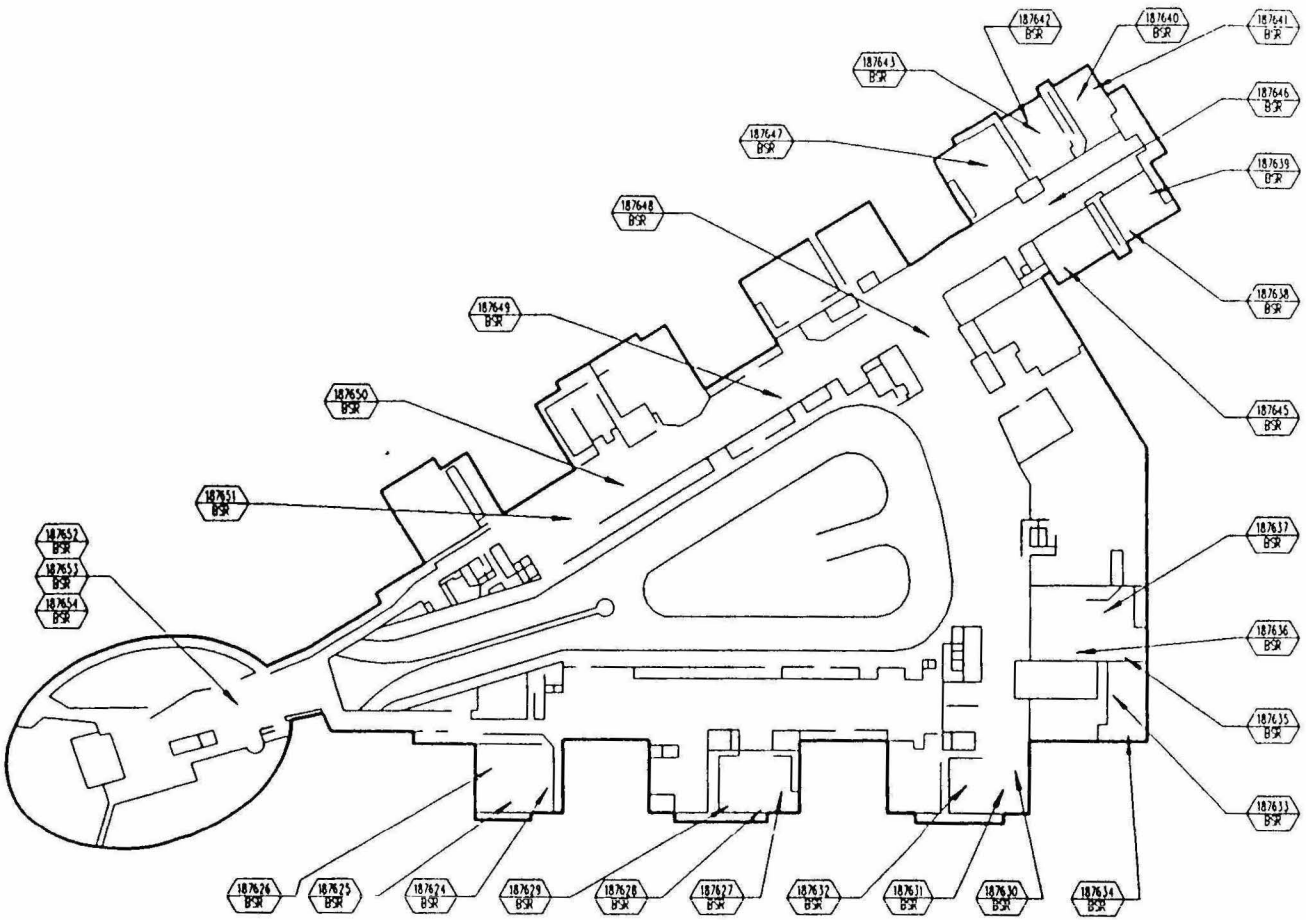
AMD-13

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 053

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
44 -187630	Y	Y	10	10							60		30		100
44 -187631	Y	Y	10	10							70		20		100
44 -187632	Y	Y	8	8							62		30		100
44 -187633	Y	Y	12	12							68		20		100
44 -187634	Y	Y	15	15							65		20		100
44 -187635	Y	Y	15	15							45		40		100
44 -187636	Y	Y	8	8							62		30		100
44 -187637	Y	N	0								60		40		100
44 -187638	Y	Y	12	12							75		13		100
44 -187639	Y	Y	15	15							65		20		100
44 -187640	Y	Y	10	10							65		25		100
44 -187641	Y	Y	15	15							60		25		100
44 -187642	Y	Y	10	10							60		30		100
44 -187643	Y	Y	15	15							60		25		100
0 -187644	N	N	0						80				20		100
44 -187645	Y	Y	10	10							60		30		100
44 -187646	Y	Y	12	12							55		33		100
44 -187647	Y	Y	25	25							45		30		100
44 -187648	Y	Y	30	30							30		40		100
44 -187649	Y	Y	25	25							25		50		100
44 -187650	Y	Y	15	15							35		50		100
44 -187651	Y	Y	8	8							62		30		100
44 -187652	Y	Y	2	2							58		40		100
44 -187653	Y	Y	3	3							47		50		100
44 -187654	Y	Y	2	2							68		30		100
0 -187655	N	N	0						85				15		100
0 -187656	N	N	0						80				20		100
0 -187657	N	N	0						70				30		100
0 -187696	N	Y	2	2									18	80 CAL	100
0 -187697	N	Y	2	2									18	80 CAL	100
0 -187698	N	Y	2	2									15	83 CAL	100
0 -187699	N	Y	2	2									18	80 CAL	100
0 -187700	N	Y	2	2									18	80 CAL	100

AMD-13



CONCOURSE LEVEL PLAN

HALL-KIMBRELL ENVIRONMENTAL SERVICES 4840 WEST FIFTEENTH STREET LAWRENCE, KANSAS 66044	FINAL DRAWING ASBESTOS ASSESSMENT STUDY	PROJECT NUMBER 01-10177 Sheet 18 of 23
SCALE 1/16 = 1' DATE 3/13/88	JFK INTERNATIONAL AIRPORT PAN AMERICAN WORLD AIRWAYS PASSENGER TERMINAL EXPANSION	

PA18

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

AMD-13

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT

BUILDING: 053

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
44 -187630	Y	Y	10	10							60		30		100
44 -187631	Y	Y	10	10							70		20		100
44 -187632	Y	Y	8	8							62		30		100
44 -187633	Y	Y	12	12							68		20		100
44 -187634	Y	Y	15	15							65		20		100
44 -187635	Y	Y	15	15							45		40		100
44 -187636	Y	Y	8	8							62		30		100
44 -187637	Y	N	0								60		40		100
44 -187638	Y	Y	12	12							75		13		100
44 -187639	Y	Y	15	15							65		20		100
44 -187640	Y	Y	10	10							65		25		100
44 -187641	Y	Y	15	15							60		25		100
44 -187642	Y	Y	10	10							60		30		100
44 -187643	Y	Y	15	15							60		25		100
0 -187644	N	N	0						80				20		100
44 -187645	Y	Y	10	10							60		30		100
44 -187646	Y	Y	12	12							55		33		100
44 -187647	Y	Y	25	25							45		30		100
44 -187648	Y	Y	30	30							30		40		100
44 -187649	Y	Y	25	25							25		50		100
44 -187650	Y	Y	15	15							35		50		100
44 -187651	Y	Y	8	8							62		30		100
44 -187652	Y	Y	2	2							58		40		100
44 -187653	Y	Y	3	3							47		50		100
44 -187654	Y	Y	2	2							68		30		100
0 -187655	N	N	0						85				15		100
0 -187656	N	N	0						80				20		100
0 -187657	N	N	0						70				30		100
0 -187696	N	Y	2	2									18	80 CAL	100
0 -187697	N	Y	2	2									18	80 CAL	100
0 -187698	N	Y	2	2									15	83 CAL	100
0 -187699	N	Y	2	2									18	80 CAL	100
0 -187700	N	Y	2	2									18	80 CAL	100

PA 3618 / 7-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
Transport And Disposal Assessment

AMD-13

Inspection Date 8/15/89
Inspection Time: 10:45 AM PM

Facility/Generator: Port Authority / Pan Am
Contract/TAA No.: 215.071
Facility/Generator Address: Pan Am Worldport, JFKIA
Jamaica, NY
Asbestos Abatement Contractor: Aped
Telephone #: ( ) -
Abatement Contractor's On-Site Supervisor: Greg Stubenck.
Contractor's Waste Hauler: Mola Trucking / TA Mitchko
Waste Hauler's Address: PO Box 414, 630 Myrtle Ave, Boontown
Waste Hauler's Driver's License #: L263078500 01402
State: NJ
Waste Hauler's Transport Vehicle License Plate #: T450 G-F NJ
Registration # & State VIN: A N30782
Transportation Certificates: NYS DEC SA-020
Disposal Site Name: Industrial Maintenance SE
Address: Rte 3, Mail Box 563
Clarkesburg, WV, 26301
Temporary Storage Facility Name:
Address:
Date Storage to Commence: / /
Estimated Length of Storage:

Location and Condition of Waste Prior to Transport

___ Worksite
✓ Designated Storage Area
✓ Waste contained in properly labeled 6-Mil plastic bags or drums with no visible damage or leakage and checked every 24 hours

Location: outside oversized Baggage area
If Deficiencies, indicate: trailor - emergency break has locked, driver corrects before leaving site

Amount of Waste for Transport: 100 Cubic yds
Transport Certificates Corresponds to Vehicle Decals: ✓ Yes ___ No
Visual Inspection of Transport Vehicle: ___ Acceptable:
If Deficiencies, Indicate: ✓
Waste Hauler Manifest Properly Completed ✓ Yes ___ No
Port Authority Shipping Document Properly Completed ✓ Yes ___ No
Comments: Waste generated by several areas: odd sized baggage, Phase Ia outside concourse, 2 test procedures + spot removal

Note: Any conditions which is unsatisfactory must be corrected and reinspected.

Signature of Inspector: [signature]
Date 8/15/89

Routing: Original--EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport Phase I DATE: 08 / 4 / 8

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: # 6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA 1366	East Concourse - Phase I - clean room	01243	13.5	13.5	1125	1315	9875	~~less than~~ 0.011
JFKIA 1367	Field Blank for sample JFK-1366	—	—	—	—	—	9876	N/A

COMMENTS: Sample taken during gross removal

PORT AUTHORITY REPRESENTATIVE(S): Keith Pierce

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport Phase I E conc. DATE: 08, 09, 8

AMD-13

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: #6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-1396A	Phase I w/in containment in center of large room.	01348	15.0	15.0	1437	1605	10020	less than 0.013
JFKIA-1397A	Field Blank for sample JFKIA-1396A	—	—	—	—	—	10021	N/A

RECEIVED 89 AUG 12 P 1:32 RISK MGT. DIV.

COMMENTS: Above sample taken as representative area sample taken after (+ during ATC stop @ 1445) Clearance sample of ATC. As directed by Tony Fontanetta.

PORT AUTHORITY REPRESENTATIVE(S): [signature]

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

FACILITY: JFKIA AREA: Pan Am - Worldport - East Concourse DATE: 8, 17, 89

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

Rotometer Number: #6

SAMPLE NUMBER	LOCATION / NAME	PUMP NUMBER	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-M03A	Phase Ib - East Concourse inside clean room	01243	15.0	15.0	1231	M03	10203	less than 0.012
JFKIA-M04A	Field Blank for Sample JFKIA-M03A	—	—	—	—	—	10204	N/A

COMMENTS: Sample taken during Phase Ib final air clearance, taken by ATC.
Pump number corresponds to Hygienetics label

PORT AUTHORITY REPRESENTATIVE(S): Keith J Gross

USE BLACK INK ONLY!!

AMD-13

PORT AUTHORITY OF NEW YORK AND NEW JERSEY AIRBORNE FIBER SAMPLING PROGRAM

USE BLACK INK ONLY!! <-------<<<

FACILITY: JFKIA AREA: Pan Am - World port - gate 8 DATE: 08/28/89

Sample Type: - Check one -		Cassette Size: - Check one -		Membrane Type: - Check one -		Pore Size: - Check one -	
Environmental	[✓]	25 mm	[✓]	MCE	[✓]	0.8 um	[✓]
Personal	[ ]	37 mm	[ ]	PC	[ ]	0.45 um	[ ]
Other _____	[ ]	Other _____	[ ]	Other _____	[ ]	Other _____	[ ]

USE BLACK INK ONLY!! <-------<<<

Rotometer Number: #6

USE BLACK INK ONLY!! <-------<<<

SAMPLE NUMBER	LOCATION / NAME	FLOW RATE (LITERS / MIN) INITIAL	FINAL	TIME (24 HOUR FORMAT) ON	OFF	LAB NUMBER	RESULT (f/cc)
JFKIA-1407A	Outside gate 8, at column in front of Les Must de Cartier	13.0	13.0	2341	0130		
JFKIA-1408A	Field Blank for sample JFKIA-1407A	—	—	—	—		

COMMENTS: Above samples taken during Spot removals utilizing HEPA vacume & wet meathods

PORT AUTHORITY REPRESENTATIVE(S): [signature]

IMPORTANT: Type or print firmly so that all copies are legible

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - World Port - gate 9

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0900 Meeting begins, see list of attendants. Tony F. wishes Lumo Tsungu, ATC would correct future submittals so that when using PA specs "Authority" be replaced w/ "ATC". Lumo informs us work will most likely begin around July 6th. Work will probabely last four nights, hrs from 8:00pm or 10:00pm on. The total amt of asbestos to be removed is 151 sq ft of 2% Chrysotile Fireproofing. Ron Durante expresses need to limit project to spot removal due to difficulties which may arrise during reinstalation of fireproofing. Lumo informs us that waste will be temporarly stored w/ waste generated at Oversized baggage area also at Pan Am. Questions arrise about waste storage facilities. Copy of local law 70 will be given to Lumo and Phil Taylor which will also be sent to PA lawyer to determine PA liability. Several deficiencies must be corrected prior to small project comencemen. Wast transporters Dep of Consumer Affairs permit must be submitted, as well as new ETAPS certificate, and also AIHA no. must be submitted. Submittal only approved as spot removal

Keith Goss — 06/28/89

(Print) Name **Signature** **Date**

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

IMPORTANT: Type or print firmly so that all copies are legible

PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 0800 After receiving a page which I suspect to be from Greg, Aped at Pan Am Worldport, (since yesterday he told me to be available at this time) I arrive on site. I'm told by Preston, ATC consultant that final air testing is being taken in test procedure at gate 9. I'm quite sure that the PA EMD has not been informed of this activity so I confront supervisor John, Aped. He shows me notification and tells me Lumo Tsungo has given PA notice

0845 Preston and John analyze my inspection meathodaly and believe I am to severe. They suggest that my pre-encapsulant visual be given after the first layer of poly "work poly" (John). Since it is expected that debris collects in areas. I inform them both that the reason we choose to inspect at this time is to prevent further cleaning problems, also no visible debris prior to encapsulation. They disagree, I tell them I will correspond their concern w/ Tony Fontanetta.

Keith Goss — Keith A Goss — 8/8/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - World port - East Concourse - Phase I

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 0930 John, Aped supervisor said ATC consultant finished sampling in tent and left at 0700. This is a contradiction w/ Greg's, Aped perception. If this was true (air testing concluded) why was work continuing in tent at 0800. This will require further investigation. We will require air clearance results. Tent is dismantled and all workers gone when I go to check area. Suspect previous conversation w/ C Preston, ATC + John, Aped may have been to delay my actions in the hopes that the test procedure could be broken down.

1000 Discuss future tent procedures and spot removals w/ Luma Tsunga, ATC: the next tent procedure will combine 2 previously submitted seperate areas. Tony Fontanetta will be made aware of this as well as Luma's plans to begin spot removal next week. The start dates and specification alterations were not made available to PA EMD. Luma agrees to provide air sampling results from tent procedure

Keith Gass — Keith Gass — 8/8/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 1015 Suit up to reinspect phase Ia
1150 Exit work area - area generally clean yet some beams need to be re-wiped, as well as some clamps, and some areas on the floor. After further inspection area found in small room to right of D.F. where due to track ceiling existance in past upper deck not visible. After looking at "demising wall" I see areas partially poly'ed, w/ the remainder just plywood. At the seals above and below plywood ACM is exposed w/in work area. I advise that these areas be HEPA vacumed, and possibly poly'ed over in the future to avoid this problem in the next phase Ib. I find waste water collected from shower in work area, it is being used to reclean area. this water is not filtered. I tell greg it must not be utilized in this fashion and must be removed. After above corrected area is ready for encapsulation. Note area passed AIC visual before I entered
1215 Review AIC area samples, < LOQ (<0.002) leave site

Keith Gass — Keith Gass — 8/8/89
(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

Facility: JFKIA AMD-13 Contract/TAA No.: 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ia
Jamaica, NY

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: Greg Studencki

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Curtis Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

Area generally clean some areas need to be re-wiped; clamps, beams + floor. One Area where demising wall surrounded by ACM (+ taped over) must require further attention

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

D.F. is in good condition yet require that outer 2 chambers of DF be reclaimed. Also waste water from shower w/in work area, must be removed

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

manometer reads above -0.05" H_2O
good evidence of influx of make up air throug DF curtains

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	✓ Present	___ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	___ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site: ___ Not Available	✓ Acceptable	___ Not Acceptable

Comments: Phase Ia - Area required some recleaning after ATC consultant Curtis Preston had approved area. Air monitoring results are seen after Luma requests Preston to display them. Prior to Mr. Tsungo, ATC request Preston reluctant to show results

Name: [signature]

8 18 89 — Inspection Date

10:15 AM PM — Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AWD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ✓ Final Air Sampling

Comments: 1437 (cont'd) Clearance sampling. After entering area I discover air sampling in progress. I leave work area immediately. I see Preston, he is concerned that I have disrupted his samples. I reassure him this is not possible. I confront him about informing me about sampling he tells me he is unaware of responsibility to inform PA EMD. I inform him that this is his responsibility as well as those discussed w/ Aped Supervisor. I meet Lumo Tsungo outside work area. I return to DF suit up, enter area to set up sample JFKIA-1396A

1445 Request Lumo, ATC observe work by electricians at gate 7. Yet when he arrives there he cannot find work. I'm in process w/ contacting Tony Fontanetta to request advice on current situations. In hopes he can advise on proper channels to follow up. I look for electricians they are gone as is all debris + evidence of suspect ACM.

1500 Discuss w/ Preston + Tsungo the need to be

Keith Goss — Keith Goss — 8/9/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ✓ Final Air Sampling

Comments: 1415 arrive at Worldport to check progress of Phase Ib. I see electricians doing work above plenum near gate 7. There is an accumulation of debris suspect ACM which electrician said had fallen from pan ceiling tiles which I believe is sprayed on debris fallen from beams above suspended ceiling. I tell then that they must not remove any tiles in the future w/o proper precautions taken by asbestos contractor w/ HEPA vaccume.

1437 I meet Greg Studenski, Aped he informs me final air clearace sampling has been completed. I inform him that PA EMD must be notified prior to air sampling (clearance), pre-abatement, pre-encapsulation, since we reserve the right to be present during these paramount stages of abatement. I am given impression final air has passed clearance at this time. I enter work area to set up PA EMD representative area sample wearing my respirator just in case area not passed

Keith Cross — Keith Cross — 8/9/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Phase Ia

Asbestos Abatement Contractor:

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress
____ Cleaning Phase ✓ Final Air Sampling

Comments: 1500 (cont'd) informed when sampling (clearance) is planned as well as expressing interest about future waste trailor transport, and being informed accordingly. Preston leaves site w/ Tsunga to Bld 67 Emergency cleanup. I again attempt to page Fontanetta - unable to contact

1530 Walk through Phase Ib Concourse west, mirror image of Phase Ia, area being constructed by VRH again enclosing greater area than originally submitted.

1600 Collect sample

1630 Prepare samples for transport, leave site

No Further Entry Authorized

Keith Goss — (Print) Name

Keith Goss — Signature

8/9/89 — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: PAN AM - Worldport - East Concourse - Phase IA

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ✓ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1345 Arrive at Worldport to contact ATC about emergency clean up at Bld 67, Pan Am. I contact Curtis Preston, ATC and tell him we need copies of his log entries, sample results and waste manifest documentation

1400 Tony Fontanetta arrives. I take several pictures of next phase of removal which is a mirror image of previous phase.

1415 Conversation w/ Tony Fontanetta + Greg Studerski, Aped supervisor. Supervisor is not satisfied w/ construction of critical barriers surrounding work area - the construction of both phases combines the work of 2 test procedures. This triples the amt of removal he had scheduled - work, time + mat'ls. Tony instructs him that these alterations were not approved and should not be accepted by Aped. I personally am more comfortable w/ containment vs test procedures - especially ATC monitored test procedures 1430 Off site go to Hngr 19 + Travelodge

Keith Cass (Print) Name — Keith J Cass Signature — 8/10/89 Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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PA 3617 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0730 Arrive at Bld 14, work on documentation
0930 Leave Bld 14 go to Pan Am
1015 Arrive at Worldport + discuss what Port Authority requires of ATC w/ Curtis Preston: notification for pre-abatement, pre-encapsulation, final air clearence and wast out. Having been paged by Aped that waste transporter is prepared to remove trailer, I am on site to fill out appropriate documentation. I begin completion of waste documents w/ driver. At this time I discover that gross removal has begun w/o Port Authority approval due to what ATC calls a problem w/ communication
1020 I speak w/ Lumo Tsungo, ATC about situation. I inform him regardless of what communication problems exist it is his responsibility to get Port Authority approval He informs me notice was given Friday 8/11 to REO. This was not the case the only notice I received was today (see enclosed work slip). I inform Lumo that work must stop until pre-abatement inspection given. Lumo insists

Keith Goss — Keith J Goss — 8/15/89

(Print) Name — Signature — Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215-071

Location: Pan Am - World Port - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1020 (cont.) work can continue while I give visual. I tell him that since I represent the property owner and I have come in contact w/ unauthorized abatement activity it must be stopped until approval is given. I tell him area will be inspected after waste transport documents are completed. He does not communicate there is any reluctancy to comply.

1030 Tell Greg Studescki, Aped that workers may remain w/in work area but work is to stop until I complete visual. Greg complys, and I return my attention to the waste transporter.

1110 Driver has difficulties and apprehension about whether his large trailer will fit under bridge where previous, full trailer is located. Consultant Preston, ATC informs me that regardless of what Luma Tsunga discussed w/ myself work may continue - I must contact Fontetta to take proper action. Curtis responds "Luma said you do not have authority to do what you plan to do (stop work)" Yet I confront Aped Supervisor and he assures me work has

Keith Gross — Keith Gross — 8/15/89

(Print) Name — Signature — Date

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMPM3 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ib

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 1110 (cont'd) stopped and will not continue until this situation is solved. At this point I am concerned about ATC's role as third party. It appears that they are acting in a non-professional fashion, and they are more construction supervisors w/ time constraint pressures than competant Hygienists. Another question arrises that I must persue is duration of waste storage in trailer, since it contains waste from several phases, will check local law 70

1128 After driver has repaired locked emegency breaks on traile to be removed. I return to concours to inspect work area. Greg informs me that area will be ready for pre-encapsulant visual Wed 8/16 @ 1:00pm

1130 Curtis Preston requires that I have handlers lisence to enter work area. I display my contractor supervisor ID issued by HTI, and tell him I am owners representative & therefore have right to enter. He still shows opposition. I inform Greg, Aped that since I cannot give visual work may not continue until situation resolved. I also inform

Keith Gross — Keith Gross — 8/15/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase II

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 1130 (cont.) Greg, Aped that ATC return to work "work order" violates Port Authorities ultimate Jurisdiction, and therefore must not be adhered to. I must note contractor's, Aped willingness to comply to all requests.

1151 We all contact our project managers. Preston → Lumo Greg → John, Joe etc., Myself → Brian K. + Tony F.

1155 Fontanetta returns call he will contact Lumo + arrive on site to advise.

1230 Fontanetta has arrived and meet w/ Aped Proj managers

1245 There is much discussion of Lumo's negligence from EMD reps + Aped Reps Fontanetta gives go ahead for work to continue. Fontanetta expresses his problems w/ site from spec alterations (expanded work areas) to lack of ATC compliance. It is decided that Aped will directly contact EMD through REO. Aped again discusses desire to push back EMD visual until first layer of poly has been removed - Tony informs them business as usual (not acceptable). Manometer reads >0.07 1315 Leave site, No visual.

Keith Goss **(Print) Name** Keith Goss **Signature** 8/15/89 **Date**

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215 071

Location: Pan Am - Worldport - East Concourse - Phase I6

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 0730 On site at Bld 14 w/ Brian K. we await Mark Jacubek, Phil Taylor and John Prince.

1030 Continue keeping up w/ documentation

1130 Take Lunch

1200 Leave Bld 14

1225 Arrive on site at Worldport

1230 check manometer reads between 0.01 - 0.02. Greg Studencki corrects pressure loss

1245 Conversation w/ Preston, ATC: he is unhappy w/ results of yesterdays meeting w/ Fontanetta + Aped reps. He believes Fontanetta's accusations are unsubstantiated yet I assure him I myself have experienced ATC's ineffectiveness. He displays a type in specs, PA specs which ATC has used + inserted "ATC" where Port "Authority" previously was found. Since this was not done w/ consistency entire passages meanings have changed. He infers ATC has no obligation to Pan Am.

1305 Mention to Greg OSHA sampling results must be posted

Keith Goss — Keith Goss — 8/16/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMP-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase Ib

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1230 Leave site go to CHRP
1245 Leave CHRP go to Travelodge
1352 Arrive at Travelodge. Neg air established above -0.03" H_2O. It is agreed glass panels will receive 2 layers of poly. It appears leak influx from HVAC has developed. It will be necessary to have Bld Engineer tony check it out. Sequence of events in future. Saba, BCM give pre-ACM disturbal inspection (possibly tomorrow), Returns sealed, feeds sealed, fixture removal - sealed all done after HVAC + large hole addressed then when containment complete I will give pre-abatement visual then gross removal may commence.
1425 Off site go to Pan Am
1500 Arrive at Worldport as agreed yesterday for pre-encapsulant visual. Greg, Aped tells me Preston inside work area giving visual. Greg shows personal sample results to me and posts them
1515 John, Aped Supervisor tells me work area is ready

Keith Gass — Keith A Gass — 8/16/89
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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase IB

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1515 (cont) for encapsulation. I inform him that I will wait for Preston, ATC to finish his visual

1520 Ask John, Aped where results are for test procedures inside Gate 9. He informs me that they have been faxed to VRH trailer + will be available tomorrow. He also tells me to make Tony Fontanetta aware that Aped will remove ceiling tiles for electricians + control possible fiber release w/ HEPA vacumes, this will occurr tomorrow night around 11:00pm between gates 9 → 3.

1530 Enter work area to inspect for visible debris Monometer reads -0.04 "H_2O

1535 While in work area car towed from in front of work area where Aped employees are waiting.

1625 Conclude visual - area generally clean, some areas needed recleaning, debris found on drop ceiling tracks, floor, on beams + w/in D.F. Exit work Area

1633 Discover car has been towed, attempt to locate persons responsible. Leave site in wrecker to Lot 7

Keith Gass — 8/16/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKTA AWD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - East Concourse - Phase IL

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1640 (cont'd) to find car I have no choice but to leave case w/ Respirators outside DF where workers are. Since wrecker is leaving + will not wait.

1650 Arrive at Airport Towing Service - they refuse to release car w/o paying $65 fine

1700 Attempt to get cash at Citibank - closed

1705 Contact PA vehicle, they give me ride to PA Police

1730 Return to Lot 7 w/ PA police office who negotiates for me, they take check for $25 + release car

1740 Return to Pan Am to retrieve equipment. It is gone! I inquire w/ Security + Greg Studencki he says it was there at 1730 I fill out report for missing baggage w/ Pan Am Baggage Service.

1800 Return to PA Police to fill out stolen property report

1830 Leave Police station, off site

Keith Goss — Keith J Goss — 8/16/89

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Worldport

Asbestos Abatement Contractor: Aped.

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
____ Cleaning Phase ✓ Final Air Sampling

Comments: 0730 Arrive at Building 14, catch up on documentation
1145 Take Lunch
1215 Leave Bld 14 to Worldport
1230 Arrive at Worldport to take representative area samples, during clearance sampling at phase IC I set up sample JFKIA-1403A and Field Blank JFKIA-1404A unlock D.F. w/ Key provided by Greg Studencki.
1235 Contact Pan Am baggage service about lost respirator, has not been found. Contact Ron Sabo at Travelodge about visual - Area not ready yet for ACM disturbal visual. Also contact Brandee Velez about lost/stolen respirator.
1425 Collected samples prepared for delivery, write narrative up. Preston, ATC apprehensive about my collecting samples. He believes I will disturb his clearance samples. I assure him this will not be the case since my sample is run in clean room off site go to travelodge
→
→

Keith Gross — Keith Gross — 8/17/89
(Print) Name — Signature — Date

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ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - gate 4 concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 2200 On site outside gate 8. Construction workers removing ducts. Work intended to go until 0600 hrs

2215 Meet Steave, ATC and John + Greg, Aped and single handler. They describe scope of work and procedures

2240 Steave Grund leaves site to get sampling pumps

2245 Worker suits up in tyvek + respirator (half face neg pressure) and uses vacume to remove visible debris. John hangs Asbestos warning tape around poyed section of floor.

2300 Page Fontanella to make him aware of:

a) ductworkers do not have restricted handlers lisence (not Fit tested)

b) ATC consultant is not on site, he believes he will be gone for one hour. Tony wants me to tell Grund when he returns we need a copy of his narratives, waste flow documentation and results of air sampling analysis

2316: Handler uses amended water to mist work area, I ask Greg why he has only spray bottles when job requires hudson sprayers. I do not see any encapsulant being used

Keith J Gass — Keith J Gass — 08/28/99

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - gate 9 concourse

Asbestos Abatement Contractor: Aped.

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 2321 Ductworker returns to work area to remove duct.

2330 Leave work area to park car upstairs (roof)

Note: work not being monitored

2341 Set up sample JFKIA-1407A and Blank JFKIA-1408A

Lumo Tsungo on site for ATC. Note project not monitored by ATC for 1hr during Asbestos removal.

~~2408~~ 0008 I overhear John, Aped + Lumo discuss path of ductwork. They speak about area outside Phase Ia containment where ACM possibly impacted by ductworkers. I investigate and find a great deal of debris on ground, on black iron taken down, and light fixtures. Debris and contaminated material must be removed and area aprox 32 sq ft must be cleaned.

~~2412~~ 0012 John shows me lack of communication w/ ATC and maintenance is responsible for hazzard + worker exposure. He tells me it is a "poor planned" abatement. He leaves site and informs me same problem will exist outside

Keith F Goss — Keith F Goss — 08 128189

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - Gate 9 Concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: ~~2412~~ 2413 (cont'd) where Phase Ib was. Containments did not include these areas (3 ft beyond) despite VRH expanding containment + deviating from specs.

0025 ~~2425~~ Make Lumo aware of debris outside. I ask him to look at amount of material. Also inform him what PA will require for cleanup.

0035 Discuss hazzards w/ Ductworkers. They inform me they created hazzard outside. Inform them about the dangers of fiber release to themselves and public. I inform them if the situation should arrise again (it will at next phase) and they suspect they may impact Asbestos they must contact supervisor at Pan Am, Pan Am must contact consultant and abatement contractor. I give them Business card w/ Ron Durantes telephone number should any problems arrise. I ask Greg to put warning tape around area outside

0100 Walk w/ Lumo Tsungo, AIC to other area where it is expected ACM will be impacted, phase Ib (outside) - he believes

Keith J Goss — Keith J Goss — 08/28/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMP-13 **Contract/TAA No.:** 215.071

Location: Pan Am - World port - gate 9 concourse

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: (0100) area can be enclosed in a tent. I discuss w/ Luma communication must be made w/ Pan Am about alterations; electrical, ductwork + plumbing advising potential for ACM disturbal so such a gross violation does not occurr in future

0105 Return to work area, ductworkers desire to wear half face respirators supplied by Aped. I show them how to give Fit Check. I require Aped Mist area regularly to keep fiber counts low.

0115 Luma informs me he has utilized this procedure in past + results for sampling low. He tells me Ron Durante will receive package at end of project including narratives, sample results + waste documents. He leaves site. Steave Grund remains he is informed about cleanup outside

0130 Collect Sample JFKIA-1407

0145 Greg Studenchi, Aped tells me hazzard outside will be attended to before they leave. Leave site.

Keith T Goss (Print) Name — Keith T Goss Signature — 08/28/89 Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress ____ Cleaning Phase ____ Final Air Sampling

Comments: 0920 At travelodge speak w/ Fontanetta about late developments last night: the amount of debris I had found outside the last phases due to ductworkers, as well as concerns about potential fiber release during spot removal

1345 Return to PAN Am Worldport to make sure debris was cleaned up afte last nights discovery

1400 Arrive at Worldport to inspect area outside Phase Ia where ductworkers disturbed ACM. Small amount of ACM still remains. will contact Fontanetta

1415 Inspect othe work area - outside Phase Ib and Concourse outside gate 9. See two electricians working above Pan ceiling, they do not appear to be disturbing any ACM. Outside Phase Ib work area large piece of sprayed on ACM has fallen from ceiling during night (1 lg enough to fill 12 oz container) No evidence of debris from spot removal last night.

1430 Contact Fontanetta about debris. He will inspect tonight. OFFsite

Keith T Goss — Keith T Goss — 12/9/89

(Print) Name — Signature — Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

AMD-13

Facility: JFKIA **Contract/TAA No.:** 215.071

Location: Pan Am - Worldport - east Concourse

Asbestos Abatement Contractor:

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 0730 Bld 14 arrive on site.

0830 Discuss Spot Removal Work Stop order last night. Duct work alteration never approved by REO

0930 Leave Bld 14 go to Worldport. Stop speak w/ Bruce REO about progress at American w/ Dobric. I inform him we require a site specific procedure and other material, and the Gorm Dobric has REO fax number. He will send required material via fax. Also note: ten day notification needed prior to abatement.

0945 - Arrive at Worldport to show Tony Fontanetta several areas where debris has accumulated due to poor Pan Am workpractices: at gate 9 outside Phase Ia where I previously asked Lumo Tsunga to correct, ATC proj mngr., outside Phase Ib, and on new ductwork due to poor Aped workpractice during spot removal.

1015 Leave site after Tony takes photos of spot removal area and overhang at driveway entrance. Go to Travelodge.

Keith J Gross — Keith J Gross — 8/31/89

(Print) Name — Signature — Date

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ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

215.071

Facility: JFKIA AMD-13 Contract/TAA No.: 4-6110A

Location: Pan Am Worldport - East concourse Phase I + II Combined

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: ~~Kurt~~ G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: KURT Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

ceiling tiles must be removed and cleaned then demising walls will be constructed to decking + or beams. Port Authority will be contacted prior to actual abatement when walls completed

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

Air lock aft clean rm - not sealed, corrected when seen. Shower not ready - must be turned on across st. As is D.F. is in work area - before gross removal begins D.F. WALL X-tended above to decking.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

Tested plenum, good influx downward manometer reads 0.02" w/ ceiling open D.F. curtains show good flow

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	___ Present	✓ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	___ Present	✓ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site:	✓ Not Available	___ Acceptable ___ Not Acceptable

Comments: D.F. must not be in work area when gross removal begins. After all demising walls are erected and polyed DA EMD will re-inspect to determine if area ready for gross removal. Consultant will have background samples on site for future inspections. All deficiencies will be corrected before work cont.

Name: Keith J. Goss

7/31/89 Inspection Date

12:30 AM/PM Inspection Time

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ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log
-Checklist-

Facility: JFKIA AMD-13 Contract/TAA No.: ~~Y-6110~~ 215.071 A

Location: Pan Am Worldport concourse Phases I + II w/in containment

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Kurt Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separation
___ Fatigue

Note: due to overspray containment barrie at rear perimeter not attatched to decking. Must be resealed after strip removal before gross removal starts

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Intact
___ Cuts
___ Seam Separations
___ Fatigue
___ Evidence Of Debris In Clean Room

Discover extra set (3) of flaps, airlock between work area and dirty room - not necessary. Flaps are to be rolled up and left open. Shower functional as is 5μm filter - wast water will be bagged.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

✓ Smoke Tube Test — Give Locations & Findings
✓ Pressure Gradient Measurements
✓ Visual Observations — Give Details

Smoke test yields several air influxes will be foamed manometer reads 0.01" H_2O w/ traps bw, one off curtains and interior poly show good neg pull.

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	___ No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	___ No
VI) Posting Of P.A. Specification On Site:	✓ Present	✓ No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	___ No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	___ No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	___ No
X) Contractors Daily Log Book On-Site:	✓ Present	___ No
XI) Current Results Of Air Monitoring On-Site:	✓ Not Available	___ Acceptable ___ Not Acceptable

Comments: Combined phases w/in single containment. Posted is DOL. ACP + receipt for flame retardent plywood (previously questioned) is acceptable. Abatement may begin afte containment at decking resealed. Deficiencies will be corrected by tomorrow. EMD will inspect that above satisfied. Also PA specs will be provided.

Name: [signature]

8/12/89 Inspection Date

12:00 AM/PM Inspection Time

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

215.071
215.071

Facility: JFKIA AMD-13 **Contract/TAA No.:** ~~Y-6135A~~

Location: Pan Am · Worldport - East Concourse - Phase

Asbestos Abatement Contractor: Aped

Project Status: ____ Pre-Construction Meeting ____ Pre-Abatement Preparation ✓ Work In Progress

____ Cleaning Phase ____ Final Air Sampling

Comments: 1100 On site inspect general area, licenses, clean rm and negative air; all licenses valid, clean room has no debris and manometer reads -0.05" H_2O

1125 Set up samples JFKIA-1363 and Blank JFKIA-1364

1315 Collect samples

1330 Off Site

No Further entrys authorized

Keith Goss
(Print) Name

Keith J. Goss
Signature

8/04/89
Date

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ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

215.071

Facility: JFKIA AMD-13 Contract/TAA No.: ~~V-6135A~~

Location: Pan Am - Worldport - East Concourse - Phase Ia

Asbestos Abatement Contractor: Aped

Project Status: ___ Pre-Construction Meeting ___ Pre-Abatement Preparation ___ Work In Progress
✓ Cleaning Phase ___ Final Air Sampling

Comments: 1245 On site at Worldport Greggory Studeschi, Aped tells me he has attempted to page me for last ½ hr. I show him my page display - all pages attempted preceeded with the # '1' thus eliminating last digit. Yet I was informed yesteday that area would be ready after 1200 so I expected pre-encapsulant visual. Despite fact that he has attempted to contact me for said purpose ATC rep Curtis Preston has yet to inspect area. I make it clear that the Port Authority does not give visuals to satisfy third party, ATC, and that ATC must feel competent w/ Apeds work before Port Authority visual granted. Since this may have been unclear I am willing to accompany Preston, who is reluctant to go into area due to unknown malady, but does go in when I stress aforementioned PA role, he double suits and enters work area.

1330 Many areas found w/in work area which need further attention: walls - seams, floor - especially corners & around eq, under microtraps, areas of fatigued folded poly and

Keith Gross — Keith Gross — 8/7/89
(Print) Name — Signature — Date

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THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM
Asbestos Abatement Supervisor's Log
-NARRATIVE-

Facility: JFKIA AMD-13 Contract/TAA No.: 215.071 ~~4-6135A~~

Location: Pan Am - worldport - East Concourse - Phase I

Asbestos Abatement Contractor: Aped

Project Status: ✓ Pre-Construction Meeting ____ Pre-Abatement Preparation ____ Work In Progress
✓ Cleaning Phase ____ Final Air Sampling

Comments: 1330 (cont'd) around several clamps on black iron. After only partially inspecting areas of removal, beams and overspray (partially - since gross amts of ACM debris on floors, walls etc.) they appear to be cleaned well. I recommend area be recleaned concentrating on above defficiencies, also outer two chambers of D.F.
1400 off site go to Pan Am Hanger 19.

Keith Gass
(Print) Name

Keith Gass
Signature

8/7/89
Date

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

PA 3616 / 5-88

THE PORT AUTHORITY OF NY & NJ

ENVIRONMENTAL MANAGEMENT DIVISION
ASBESTOS MANAGEMENT PROGRAM

Asbestos Abatement Supervisor's Log

-Checklist-

215.071

Facility: JFKIA AUMD-13 Contract/TAA No.: ~~Y-615A~~

Location: Pan Am - World port - Phase I

Asbestos Abatement Contractor: Aped

Abatement Company's On-Site Supervisor: G. Studenchi

Air Monitoring Company: ATC

Air Monitoring Company's Industrial Hygienist Representative: Kurt Preston

Type of Respiratory Protection in Use: PAPR

I) Containment and Critical Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Intact
- ✓ Cuts
- ✓ Seam Separation
- ✓ Fatigue

Due to great neg air poly has ballooned and has seperated from walls yet contain ment not compromised. Folds + cuts in poly have accumulated debris which fell from beams. All seams, cuts and folds must be recleaned

II) Decontamination Barrier: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Intact
- Cuts
- Seam Separations
- Fatigue
- Evidence Of Debris In Clean Room

DF is in good shape yet some debris found in equipment room. Recomend last 2 compartments be recleaned.

III) Determination Of Negative Air Flow: Comments: (If Deficiencies Are Observed, Indicate Corrective Action)

- ✓ Smoke Tube Test — Give Locations & Findings
- ✓ Pressure Gradient Measurements
- ✓ Visual Observations — Give Details

Good influx at D.F. curtains poly balloons manometer reads above 0.05" H_2O

IV) Listing And Photo I.D. Of All Certified Workers On Site:	✓ Present	No
V) Posting Of All Applicable Regulations On-Site:	✓ Present	No
VI) Posting Of P.A. Specification On Site:	✓ Present	No
VII) Copy Of U.S.E.P.A. Notification Letter On-Site:	✓ Present	No
VIII) Posting Of Approved Restricted Access Warning Signs On-Site:	✓ Present	No
IX) Posting Of All Emergency Procedures And Phone Numbers On Site:	✓ Present	No
X) Contractors Daily Log Book On-Site:	✓ Present	No
XI) Current Results Of Air Monitoring On-Site:	Not Available	✓ Acceptable / Not Acceptable

Comments: Inspected beams only partially due to gross amts of debris on floor, at seams, in holes in poly, on equipment, under microtraps, on clamps. Area must be recleaned w/ concentration on poly. ATC consultant aggrees that area must be recleaned

Name: [signature]

08/07/89 Inspection Date

1:30 AM/PM Inspection Time

Routing: Original—EMD Office, 2 yellow—EMD Project Supervisor, 3 pink—Facility Manager

TENANT REVIEW REQUEST

AWD-13

	DISTRIBUTION	LOCATION
1	Engineering	1WTC-43E
	Trfc. Eng.	PATC -73
	Insp & Safety	25 JSTC-57
	Avia. Plng.	1WTC-65E
	Avia. Tech. Svs.	1 WTC-65NE
	Law Dept.	1 WTC-66W
1	EMD P. TAYLOR	
	Ops.	Bldg. 269
	Trm.Svcs.	
	Police	Bldg. 269
1	Pl.&St.	
1	Res. Eng.	
	Negot.	
1	L. VERNON - B. PRUNO	
1	P. Fernandez	
1	FILE	

Description of Work:
WORLDPORT
CONCOURSE LEVEL GATE 9
REMOVAL OF SPRAY ON
FIREPROOFING.

FACILITY: JFKIA

APPL. NAME: PAN AM

APPL. NO.: Y-6134A

DWG NOS.:

DATE: 6/21/89

☑ Please review the attached application & send comments to:

☐ Attached are revised dwgs. Please review only those items on which exception was previously taken & send comments to:

Org. Unit	Room No.	Contact	Ext.
661	Bldg. 141 KIA-Rm.240	Eileen Spolidora	62586

No later than 6/14/89

If no reply is received by above date, your concurrence will be assumed unless arrangements are made for more review time!!

COMMENTS: Indicate next to each comment whether it is a condition or recommendation.

ATTACHED:

1). SUBMITTAL PACKAGE

APPROVED 06/28/89
W/ EXCEPTION

STARTING DATE 07/06 or 07

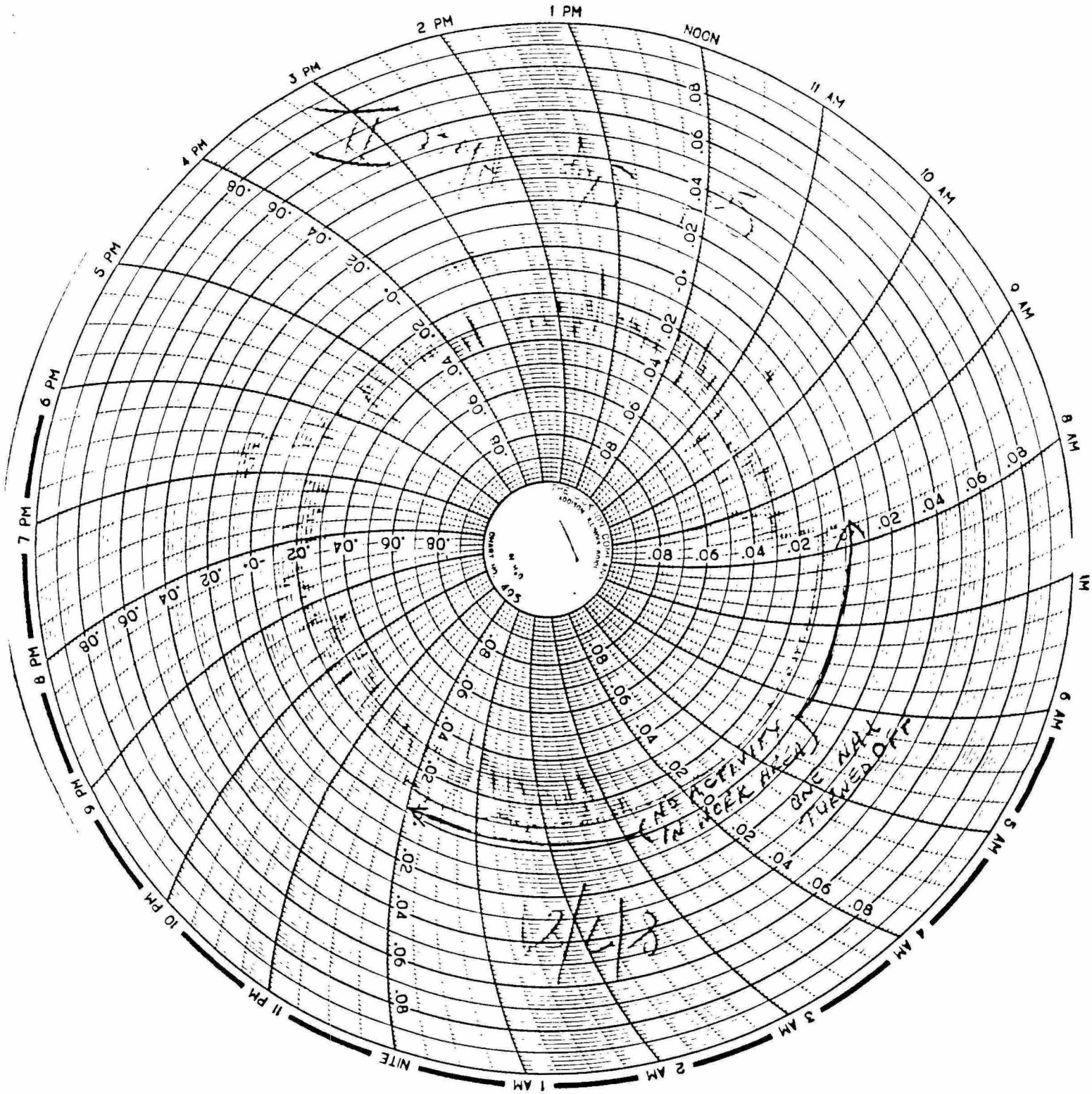
195-215-071

DATE: 6/28/89 AMD-13

TAA N°: Y-6135A PAN AM WORLDPORT - GATE 9

NAME	COMPANY	TELEPHONE
MAURICE KOPELOWICZ	P.A TENANT LIAISON	718 656 2584
LUMO TSUNGO	ATC ENVIRONMENTAL, INC.	212-353-8280
Keith Goss	PA EMD	212-458-2280
TONY FONTANETTA	P.A. E.M.D.	212 458-5620
RON DURANTE	P.A. REO	718-656-6894
Bob Pruno	P.A. Env Eng	212 7756641
MIKE CAPASSO	P.A./R.E.O.	718-656-458

APPROVED 6/28/89


1 PM
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11 PM
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ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-25
Sampling Date: 08-09-89
Analysis Date: 08-09-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
A2157	230 Mins.	3294.8	0.002
A2158	229 Mins.	3342.3	0.006
A2159	227 Mins.	3130.3	0.002
A2160	227 Mins.	3343.7	0.003
A2161	227 Mins.	3291.5	<0.001
A2162	Field Blank		BDL
A2163	Field Blank		BDL

Analytical Method: NIOSH 7400 ("B" Rules)
f/cc = Fibers Per Cubic Centimeter of Air
< = Sample concentration is as reported, but is below limit of detection
BDL = Below Detectable Level
ELAP Certificate #10911
* This test report relates only to the items tested and must not be reproduced, except in full, without the approval of the laboratory.

ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

ECL

2 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, new York 10701-52077

Samples taken at Pan Am
FIND NO.# 4-8-17
Sampling Date: 08-07-89
Analysis Date: 08-08-89 Report Date: 08-09-89

ECL Sample Number	Sample Time	Volume (liters)	Concentration (f/cc)*
A2111	300 Mins.	1980	0.004
A2112	300 Mins.	1950	0.006
A2113	289 Mins.	1936.3	<0.002
A2114	289 Mins.	1907.4	<0.002
A2115	289 Mins.	1907.4	<0.001
A2116	Field Blank		BDL
A2117	Field Blank		BDL
A2118	360 Mins.	1692	<0.001
A2119	360 Mins.	1692	0.007
A2120	360 Mins.	1746	<0.001
A2121	360 Mins.	1692	0.006
A2122	360 Mins.	1692	<0.001

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AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

Samples Taken At Pan Am
FIND #4-7-30
Sampling Date: 8/6/89
Analysis Date: 8/7/89 Report Date: 8/8/89

ECL Sample Number	Sample Time: Mins.	Volume (liters)	Concentration (f/cc)*
A2032	255	1747	0.004
A2033	255	1683	0.003
A2034	255	1747	0.007
A2035	250	1713	<0.001
A2036	250	1713	<0.001
A2037	250	1675	<0.001
A2038	Field Blank		BDL
A2039	Field Blank		BDL
A2040	255	1747	0.004
A2041	255	1747	<0.002
A2042	255	1683	<0.001
A2043	255	1747	<0.001
A2044	255	1747	<0.001
A2045	255	1683	<0.001

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CHART NO. 495

ENVIRONMENTAL COMPLIANCE LABORATORIES, INC.

214 Marcus Boulevard, Hauppauge, New York 11788 Tel: (516) 273-3150 Fax: (516) 273-3727

AIR SAMPLE ANALYSIS
Enviropact Northeast
540 Palmer Road
Yonkers, New York 10701-52077

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A2039	Field Blank		BDL
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A2042	255	1683	<0.001
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A2044	255	1747	<0.001
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JFK Resident Engineer's Office
Capasso Office - Tenant Asbestos Construction

TENANT ASBESTOS REMOVAL PROJECTS

DATE FORWARDED	CONTRACT OR Y-NUMBER	COST RECOVERY NUMBER	TITLE	DATE RETURNED
[redacted]				
1/17/90	Y-6142A	215.075	Pan Am - Bldg #53 - Departure Level - Ceilings	2-14
1/17/90	Y-6123A	215.071	Pan Am - Bldg #53 - Gate #9	
[redacted]				
1/17/90	Y-6112A	215.063	Pan Am - Bldg #53 - Column Repairs/Pilot's Lounge	
1/17/90	Y-6110A	215.072	Pan Am - Bldg #53 - Supplemental Air Conditioning	
[redacted]				
1/17/90	Y-6080A	215.062	Pan Am - Bldg #53 - Odd Size West - O/B Baggage	
1/17/90	Y-6076	215.059	Pan Am - Bldg #53 - Canopies	2-14
1/17/90	Y-6074A	215.052	Pan Am - Bldg #53 - Baggage Claim Office	
1/17/90	Y-6072A	215.087	Pan Am - Bldg #53 - East - Immigration & Customs	
1/17/90	Y-6062A	215.505	Pan Am - Bldg #53 - O/B Baggage Sys.	
[redacted]				

2-

1 IN THE UNITED STATES DISTRICT COURT
FOR THE SOUTHERN DISTRICT OF NEW YORK
2

3 THE PORT AUTHORITY OF NEW YORK)
AND NEW JERSEY (formerly known)
4 as "The Port of New York)
Authority" and PORT AUTHORITY)
5 TRANS-HUDSON CORPORATION,)
Plaintiffs,)
6)CIVIL ACTION FILE NO.
- against -)
7)91 CIV 0310(CLB)(MDF)
ALLIED CORPORATION,)
8 (individually) and as a)VOLUME III
subsidiary of "Allied-Signal,)
9 Inc."), et al.,)
Defendants.)
10
UNITED STATES MINERAL PRODUCTS)
11 COMPANY and DALEN (formerly)
Isolatek Corp.),)
12 Third-Party)
Plaintiff,)
13)
- against -)
14)
TISHMAN REALTY AND)
15 CONSTRUCTION CO., INC.,)
et ano.,)
16 Third-Party)
Defendants.)
17
CONTINUATION OF THE DEPOSITION OF
18 WILLIAM M. EWING

19 November 13, 1996
9:15 a.m.
20
3800 One Atlantic Center
21 1201 West Peachtree Street
Atlanta, Georgia
22

Frances Buono, RPR, CCR-B-791

23

PRIOTIY-ONE COURT REPORTING, INC.

24 41 KELL AVENUE

STATEN ISLAND, NEW YORK 10314

25 (718) 761-0527

1 APPEARANCES OF COUNSEL
On behalf of the Plaintiff:
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3 Ness, Motley, Loadholt,
Richardson & Poole
4 151 Meeting Street
Suite 600
5 Charleston, South Carolina 29402

6
On behalf of the Defendant:
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8 DEAN R. NICYPER, Esq.
RICHARD WILLIAMSON, Esq.
9 Flemming, Zulack & Williamson, LLP
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10 New York, New York 10006-1404

11 RICHARD C. FINKE, Esq.
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14 On behalf of the Defendant:
Asbestospray
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KRISTI K. OTTMAR, Esq.
16 Stich, Angell, Kreidler,
Brownson, Ballou, P.A.
17 The Crossings, Suite 120
250 Second Avenue South
18 Minneapolis, Minnesota 55401

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On behalf of the Defendant:
20 United States Mineral Products Company

21 CALUM B. ANDERSON, Esq.
Danaher, Tedford, Lagnese & Neal, P.C.
22 Capitol Place, 21 Oak Street

Hartford, Connecticut 06106

1
On behalf of the Defendant:
2 Tishman Realty & Construction Company

3 MARY L. McIVOR, Esq.
McMahon, Martine & Gallagher
4 One State Street Plaza
New York, New York 10004
5

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1 WILLIAM M. EWING,

2 having been previously sworn, was examined and

3 testified as follows:

4 FURTHER EXAMINATION

5 BY MR. NICYPER:

6 Q. Good morning, Mr. Ewing.

7 A. Good morning.

8 Q. When we finished yesterday, we were

9 discussing JFK Building 53, that is what is

10 currently the Delta Terminal, previously the Pan Am

11 Terminal. I would like to pick up where we left

12 off.

13 Let me show you one of your photographs,

14 this is photograph 15 15:30. You can look at this

15 one. And it is referred to in your field notes on

16 Page 12 of 16.

17 A. Yes.

18 Q. Can you tell me what is depicted in this

19 photograph?

20 A. It is a view of the fireproofing at a

21 perimeter beam.

22 Q. It appears that there are -- is that a

23 single homogeneous fireproofing, in your opinion?

24 A. It doesn't appear to be. Does not appear

25 to be.

1 Q. Do you know whether there was more than
2 one type of fireproofing in that particular -- this
3 is in the fourth floor mechanical equipment room; is
4 that correct?
5 A. Yes. It is in the fourth floor
6 mechanical equipment room.
7 Q. Do you know whether there is more than
8 one type of fireproofing in that room?
9 A. Offhand, I do not. There may be
10 information in the bulk sample survey in the
11 binders, if there happened to be several taken
12 there, which I can look through at this point and
13 tell you.
14 Q. With respect to the Delta Terminal at
15 JFK, are the opinions that you anticipate giving at
16 trial in this case, with respect to this building,
17 any different than those than you have mentioned
18 with respect to [redacted]? I think you had
19 four items there?
20 A. I think they would be very consistent
21 with what I said about the [redacted]. I
22 think there are some, I believe there are some items

23 on that list that we may have discussed yesterday

24 that are quite specific to this building.

25 Q. Why don't we go ahead and look at

1 Exhibit 16, if you would. I believe that is the
2 list you are referring to.
3 And on the bottom of the second page it
4 appears to refer to this building, and carries over
5 to the third page. There appear to be three
6 paragraphs that reference this building. Is that
7 correct?
8 A. Yes.
9 Q. The first paragraph refers to the baggage
10 claim area of customs?
11 A. Yes.
12 Q. And your recommendation was that the
13 debris should be cleaned up and the fireproofing
14 removed?
15 A. In that area, yes.
16 Q. And when you say removed in that area,
17 what area specifically is it you are referring to?
18 A. It is the -- there are baggage claim
19 carousels for the international flights, which is
20 separate from the other baggage claim, and the
21 fireproofing in that area was rated as significantly
22 damaged fireproofing.

23 Q. And was that because at times it appeared

24 to have been impacted by baggage?

25 A. Some of it appears that that may have

1 been the case.

2 Q. And, is it your opinion that all of the

3 fireproofing in that entire area, that baggage claim

4 area, should be removed, or merely that fireproofing

5 that may be impacted by baggage?

6 A. It would be my opinion that they remove

7 all of the fireproofing in the area of, I think

8 there are four or five baggage carousels. I don't

9 think you could easily remove it in, for example, at

10 each carousel because of the way you would have to

11 contain it. You would have to contain an entire

12 carousel, and you would want to remove all within

13 the contained area.

14 The simple thing would be the cost of

15 removing all of it would be, I think, almost

16 identical to the cost of removing just the material

17 that really has to be removed, or I think has to be

18 removed.

19 Q. Is it your opinion that people in that

20 baggage carousel area who pick up their bags are at

21 risk?

22 MR. JEKEL: Objection to the form of

23 the question.

24 A. There may be some

25 exposure from time to time to passengers, but

1 it would be rather short-lived, I think.
2 Q. Is it your opinion that
3 passengers should be notified of the condition of
4 the fireproofing and the circumstances in those
5 areas?
6 MR. JEKEL: Objection to the form of
7 the question.
8 A. No.
9 Q. Do you know whether the
10 fireproofing in that area has been removed since you
11 made the recommendation?
12 A. I don't know.
13 Q. The next paragraph refers to the customs
14 level arrivals outside. And I guess both
15 paragraphs, to some extent, refer to the same
16 recommendation, is that true? Let me ask it this
17 way. Is the recommendation in the second paragraph
18 on this third page refer to the circumstances
19 described in the first paragraph on that page?
20 A. No, these are two different areas. The
21 top paragraph on the third page refers to an area
22 outside the building where some of the tiles need to

23 be replaced, as well as some areas out over the

24 roadway that need to be replaced.

25 Whenever they choose to renovate or

1 remove the remaining tiles or whatever reason, that
2 would be the time to abate the fireproofing.
3 Q. I see. And, if the fireproofing remains
4 in the same condition, substantially the same
5 condition it is currently in, and if they do not
6 choose to remove the remaining tiles, is it your
7 opinion that the material could stay in place until
8 the time of demolition?
9 MR. JEKEL: Objection to the form of
10 the question.
11 A. I think I could say as
12 long as they don't disturb that area through
13 renovation activities, then it could stay.
14 Q. I noticed in that paragraph
15 there is no recommendation listed here.
16 Did you make a recommendation regarding that area at
17 the time of your inspection?
18 A. Only that the tiles, the metal pans,
19 should be put back in. Well, not put back in, they
20 were missing. The ones that were missing should be
21 replaced.
22 Q. And then the last paragraph refers to

23 adherence to the O & M procedures; is that correct?

24 A. Yes.

25 Q. And, your recommendation there was that

1 material be cleaned up using the appropriate O & M
2 techniques; is that correct?
3 A. Yes.
4 Q. Other than these [redacted]
5 [redacted] did you make any
6 other recommendations at the time of your inspection
7 with respect to the asbestos-containing materials in
8 this building?
9 A. No, I don't think so.
10 Q. Other than the recommendations listed in
11 this [redacted]
12 do you recommend abating or cleaning other areas in
13 this building within any specified period of time?
14 MR. JEKEL: Objection to the form of
15 the question.
16 A. It is my opinion that I
17 think what they are doing is appropriate,
18 which is abating areas as they are being
19 renovated.
20 [redacted]
21
22

23 [redacted]

24

25

1 [redacted]
2
3
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6
7
8 [redacted]
9
10
11
12
13
14 [redacted]
15
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17
18
19 A. Yes, with the exception of the customs
20 baggage area.
21 Q. With respect to your last -- let me step
22 back. Statement that the asbestos-containing

23 fireproofing in this building is friable, what is

24 the basis for that opinion?

25 A. Physically touching the fireproofing, it

1 meets the definition of friable fireproofing. Also,
2 I have never yet seen any spray-applied
3 asbestos-containing fireproofing in which asbestos
4 was added as a constituent to the product that was
5 not friable. I am not aware that such a thing ever
6 existed.
7 Q. Any other basis for that opinion?
8 A. Well, I think you can look at
9 Mr. Hatfield's videotapes that demonstrate pretty
10 clearly that, yeah, that stuff is friable.
11 Q. And those are the videotapes of the
12 experiments or demonstrations he conducted at
13 Port Authority buildings?
14 A. Yes.
15 Q. Do you know whether he conducted any
16 demonstrations in this building, the [redacted] Terminal?
17 A. Offhand, I don't remember, I really
18 don't.
19 Q. The opinion that asbestos-containing
20 material releases asbestos, what is the basis for
21 that opinion with respect to the Delta Terminal?
22 A. The presence of dust and debris on

23 surfaces below the in-place material. There are

24 also a number of articles that we have referred to,

25 again, yesterday, and other documents that have

1 concluded the same thing, that friable,
2 spray-applied surfacing materials release fibers
3 over time, or release asbestos.
4 Q. Any other basis for that opinion?
5 A. No, I think that is it.
6 Q. And then the third item that the asbestos
7 accumulation is a high concentration, what is the
8 basis for that opinion?
9 A. The results of dust sampling done in the
10 building.
11 Q. And, this was dust sampling conducted by
12 you?
13 A. Yes.
14 Q. Any other basis for that opinion?
15 A. The photographs and videotape of the
16 inspection showing dust and debris on surfaces,
17 visually.
18 Q. And how does that show a high
19 concentration of asbestos fibers?
20 A. Well, the debris that is present is
21 fireproofing debris, and would have the same
22 concentration in it as the parent material. So, if

23 the parent material is 9 to 10 percent chrysotile,

24 the debris would be the same.

25 Q. Any other basis for that opinion?

1 A. No.
2 Q. And the final opinion that the
3 fireproofing should be removed in a phased manner,
4 such as in conjunction with renovation or
5 demolition, what is the basis for that opinion?
6 A. Much of it would be required to be
7 removed under the existing regulations, the NESHAP
8 regulations. To me, the more important one would be
9 to remove a hazardous material in a controlled
10 manner, and then they can proceed with whatever
11 renovation they want to do without unnecessarily
12 exposing the workers who had come in to remodel the
13 space or renovate the space.
14 Q. Under this particular opinion you have
15 given, if, in fact, the fireproofing that is
16 currently in the building remains substantially in
17 the same condition it is in, and there were no
18 further renovation activities, would it be your
19 opinion that it should be removed at the time of
20 demolition but not necessarily any sooner?
21 MR. JEKEL: Objection to the form of
22 that question.

23 A. If it remained in the same

24 condition, and they did no renovation

25 activities to disturb it, or the dust and

1 debris from it, then that is certainly
2 possible. If I can, without having to go
3 back and say what the exception to the
4 customs --
5 Q. Yes, with the exception of what
6 we spoke about with respect to Exhibit 16,
7 yes, I understand.
8 Are you aware of what other, other than
9 fireproofing, what other asbestos-containing
10 materials are in this building?
11 MR. JEKEL: Objection to the form of
12 the question.
13 A. Not without going back
14 through the binders to look at that.
15 Q. Let me show you in your binder
16 from Volume 8, an item, which is listed in
17 your reliance materials as 2-H. Within that section
18 2-H is a Hall-Kimbrell report. And, I am looking
19 now at the first introductory page to it.
20 If you would look at the fourth paragraph
21 of that introductory page, reads: "Building
22 materials which have been confirmed by laboratory

23 analysis to contain asbestos include spray-applied

24 fireproofing; corrugated, wrapped cardboard; and

25 magnesia pipe coverings with mudded joint packing;

1 mudded joint packing on fiberglass-insulated piping
2 systems; vinyl floor tiles; tank insulation and
3 debris."
4 Do you see that?
5 A. Yes.
6 Q. Do you have any information inconsistent
7 with that statement?
8 A. No.
9 Q. And your knowledge with respect to
10 whether or not there are other asbestos-containing
11 materials, other than fireproofing, in this
12 building, is based on documents such as this
13 Hall-Kimbrell report?
14 A. Yes.
15 Q. Feel free if you want to look at it.
16 A. No.
17 Q. Do you know how many hours you spent
18 visiting this building?
19 A. I arrived at 9:30 in the morning on
20 May 15. Actually, I must have arrived sooner than
21 that. I took my last photograph at 4:39 in the
22 afternoon. It looks like I was actually there

23 between about 9:15 in the morning and 5 o'clock in

24 the afternoon.

25 Q. And that was on May 15, 1996?

1 A. Yes.
2 Q. Other than your visit on May 15, 1996,
3 have you visited this building on any other occasion
4 for the purpose of inspecting the fireproofing, or
5 other asbestos-containing materials, taking
6 photographs, taking videos, or taking dust or air
7 samples?
8 A. No.
9 Q. Do you anticipate visiting this building
10 again for any of these purposes?
11 A. No.
12 Q. Do you anticipate visiting this building
13 again for any other purpose pertaining to this
14 litigation?
15 A. No.
16 (Ewing Exhibits 19 and 20 were marked
17 for identification.)
18 Q. (By Mr. Nicyper) Mr. Ewing, let me show
19 you two documents that I have asked the court
20 reporter to mark. Exhibit 19 is a multiple page
21 document that appears to be a report from Materials
22 Analytical Services to you concerning Building 67,

23 Delta Cargo Building at JFK Airport.

24 Exhibit 20 appears to be field notes, ten

25 pages; were notes taken May 16, 1996 at Building 67,

1 Delta Cargo Building.

2 MR. JEKEL: Is there a question?

3 MR. NICYPER: No, I am just asking him

4 to look at these. I am just waiting for

5 Mr. Ewing to pull together whatever he would

6 like to in connection with this building.

7 THE WITNESS: Somewhere we misplaced

8 one of my files.

9 MR. JEKEL: He may still have it

10 right -- is that the building?

11 MR. NICYPER: We can go off the record

12 on this.

13 (Discussion ensued off the record.)

14 Q. (By Mr. Nicyper) Exhibit 19 is the

15 Materials Analytical Services report concerning dust

16 samples that you took in Building 67; is that

17 correct?

18 A. Yes.

19 Q. When you received these reports, do you

20 review them for accuracy?

21 A. I review them, yes. When you say for

22 accuracy, normally what I look at is the asbestos

23 structures reported and whether anything looks

24 particularly unusual.

25 Occasionally I have had ones that have

1 had a typo or are not calculated correctly between
2 the structures per square foot and the structures
3 per square centimeter.
4 But, as far as going back in and
5 reviewing the count sheets and that type of thing, I
6 don't do that.
7 Q. Are you familiar with whatever quality
8 control or quality assurance procedures are used by
9 the Materials Analytical Services laboratory?
10 A. I am familiar that they have such
11 procedures, but I am not prepared to be able to
12 comment on them.
13 Q. Are you familiar with what degree of
14 error is used by that, or is acceptable under those
15 laboratory quality control/quality assurance
16 procedures?
17 MR. JEKEL: Objection to the form of
18 the question.
19 A. I don't know if I understand
20 what you mean by degree of error?
21 Q. Well, maybe an easier way to
22 do it. If you would look at the fourth to

23 the last page of this document, which we have marked

24 as Exhibit 19?

25 MR. JEKEL: Is it work sheet A?

1 Q. (By Mr. Nicyper) Work sheet A, yes, for
2 sample 15267-6.
3 A. Fourth from the last page?
4 Q. Yes. It might be three from the last
5 page on the exhibit.
6 MR. JEKEL: Yeah, we have got a blank.
7 Q. (By Mr. Nicyper) There is a blank page,
8 I see, that is on the last page. Do you see the
9 work sheet there?
10 A. Yes.
11 Q. Do you see under Item 1 it says "total
12 structures in original count," it was counted as 14,
13 do you see that?
14 A. Yes.
15 Q. And then below that it says "total
16 structures in duplicate count" is 17, do you see
17 that?
18 A. Yes.
19 Q. Are you aware of whether or not that
20 variation in count was acceptable under the
21 Materials Analytical Services procedures?
22 MR. JEKEL: Objection to the form of

23 the question.

24 A. Well, looking at Item 2,

25 it looks like it would be, yes.

1 Q. And in your mind, is that an
2 acceptable variation for fiber count for
3 tests such as this?
4 MR. JEKEL: Objection to the form of
5 the question.
6 A. As far as the 14 and 17?
7 Q. Yes.
8 A. Yes.
9 Q. Yes, it is?
10 A. Yes, I have no problem with that.
11 Q. If you would look now at Exhibit 20,
12 please, which appear to be your field notes. Do you
13 have that in front of you?
14 A. Yes.
15 Q. And again, it appears that both you and
16 Mr. Dawson conducted this inspection; is that
17 correct?
18 A. Yes.
19 Q. Do you recall who from the Port Authority
20 was present during this inspection?
21 A. Certainly Mr. Danny Ng was, and I think
22 Keith, and I have forgotten his last name.

23 Q. Keith Murphy?

24 A. Keith Murphy also.

25 Q. Do you recall whether there was more than

1 one type of fireproofing in this Building 67?

2 A. Yes, there was.

3 Q. Did anybody tell you what types of

4 fireproofing were in that building?

5 A. I believe I knew somewhere along the way

6 beforehand the actual product names that they had

7 identified. At the time I was there, all I knew was

8 that there were actually two types of

9 asbestos-containing fireproofing, which I have

10 identified as low density and high density.

11 Q. Do you know whether there is more than

12 one type of low-density fireproofing in the

13 building, more than one manufacturer?

14 A. Of asbestos containing low density?

15 Q. Yes.

16 A. I would not have known that at the time I

17 went to the building. If it is in the binders, I

18 reviewed that and saw that. But, at the time I was

19 at the building, I wasn't aware of that.

20 Q. Looking at the floor plans attached to

21 your field notes, and if you could look at the --

22 MR. JEKEL: I have got his field notes.

23 Q. (By Mr. Nicyper) -- actual exhibit that

24 we have marked because the copies we have actually

25 are split into pages. Could you tell me, out of

1 these four pages of floor plans, which area is
2 alleged or do you believe contained high-density
3 fireproofing?
4 A. On Page 9 of 10 of my field notes, on
5 mine, the area that appears in orange would be the
6 high-density material. And on Page 10 of 10, the
7 same area.
8 Q. Two floors, same area of the building; is
9 that correct?
10 A. Yes.
11 Q. Referring now to your handwritten notes,
12 the second paragraph refers to second floor HVAC
13 room. That is not a high density area; is that
14 correct, high-density fireproofing area?
15 A. No, it is not.
16 Q. Do you have any understanding as to what
17 product is alleged to be the high-density
18 fireproofing product in the areas you have just
19 described?
20 A. Well, I had an understanding at the time
21 I was there that it was Monokote fireproofing. The
22 basis for that now, as I sit here, is I can't

23 remember why except that I think it was with the

24 bulk results that I originally received. Certainly

25 whatever is in the binders regarding that would be

1 what I would have -- would rely upon.

2 Q. This second paragraph then in your notes

3 is not referring to what you believe was Mon-kote

4 fireproofing; is that correct?

5 A. No, it would not be.

6 Q. And, the third paragraph in your notes,

7 is that referring to what you believe is Mon-kote

8 fireproofing or a different type of fireproofing?

9 A. That would be a different material.

10 Q. The third paragraph on this first page of

11 your notes, is that referring to what you believe is

12 Mon-kote fireproofing or a different type of

13 fireproofing?

14 A. Different type.

15 Q. And, the first paragraph on Page 2 of

16 your notes, is that referring to what you believe is

17 Mon-kote fireproofing or a different type of

18 fireproofing?

19 A. I think I can maybe just say that

20 everything regarding -- everything in my field notes

21 on Pages 1 and 2 are dealing with the low-density

22 fireproofing.

23 Q. So none of that is what you believed was

24 Mon-kote; is that correct?

25 A. I am sure it was not Mon-kote.

1 Q. Then the third page, this is referring to
2 the high-density fireproofing section?
3 A. Yes.
4 Q. If you would look at the second paragraph
5 on that third page, in the last line there there is
6 a reference, I believe it says same as Dallas, is
7 that what that says?
8 A. Yes.
9 Q. What does that mean?
10 A. Well, one of the studies we did was in
11 the Dallas, a library in Dallas, and the study was
12 looking at basically Mon-kote fireproofing and
13 fireproofing debris on tops of one foot by one foot
14 ceiling tiles. And, this was basically an identical
15 situation that we had out there.
16 Q. What library was that in Dallas?
17 A. The Lancaster-Keist, K-e-i-s-t, Public
18 Library.
19 Q. Was that in litigation regarding -- was
20 that an asbestos-in-buildings litigation building?
21 A. I am assuming it was. I don't really
22 know that for a fact.

23 Q. Did you conduct an inspection of that

24 building?

25 A. Yes, it was the building in which one of

1 the experiments was done in looking at exposures
2 during change-out of ceiling tiles and vacuuming of
3 carpet with debris on it.
4 Q. Is this an experiment you participated
5 in?
6 A. Yes.
7 Q. And who else assisted you in that
8 experiment? Who else worked with you in that
9 experiment?
10 A. Mr. Hays was there. Mr. Hatfield was
11 there. Mr. Eric Markert, M-a-r-k-e-r-t. Two
12 gentlemen from the Dallas maintenance staff. I am
13 sure there were -- Mr. Michael Thompson was there.
14 And I think Eva Ewing was there.
15 Q. Did you publish the results of that
16 study?
17 A. Yes.
18 Q. And is that included in your reliance
19 materials in this case?
20 A. Yes.
21 Q. Could you point out to me in Exhibit 7, I
22 believe it is, which of those articles under the

23 heading A is the published results regarding that

24 study?

25 A. It is in item number 27 that appears on

1 Page 3.

2 Q. Looking back at Exhibit 20, which are

3 your field notes and surface dust sampling log,

4 could you identify for me on the surface dust

5 sampling log which of the surface dust samples is

6 the high-density fireproofing or taken from high-

7 density fireproofing areas?

8 A. None of them.

9 Q. And, if you would go to your photograph

10 log and identify for me which photographs are

11 photographs taken in the high-density fireproofing

12 area of that building?

13 A. If you are on Page 7 of 10 of my field

14 notes, the last five photographs on that page.

15 Q. That is beginning with 16 21 --

16 A. 23.

17 Q. Point 23 or colon 23?

18 A. Yes. And the five photographs on the

19 next page were also taken in those areas.

20 Q. All other photographs were taken in areas

21 other than the area which you have described as

22 where high-density fireproofing was located, is that

23 correct?

24 MR. JEKEL: Objection to the form of

25 the question.

1 A. That is correct.

2 Q. You also took videotapes

3 in this building; is that correct?

4 A. Yes.

5 Q. And in looking at the videotape, I

6 noticed there is a videotape taken in two areas,

7 both of those areas were areas that were not what

8 you have described as the high density fireproofing

9 areas; is that correct?

10 A. Yes.

11 Q. So you do not have a videotape of the

12 high density fireproofing area in this building, JFK

13 --

14 A. I am sorry, I was -- I may have misspoke

15 there. Could you ask me that again question, I am

16 sorry.

17 Q. Certainly. I noted two separate areas

18 you videotaped in this [redacted], both of those

19 areas were areas other than the high density

20 fireproofing areas; is that correct?

21 A. I think I videotaped other areas in this

22 building.

23 Q. When you say other areas, what are you

24 referring to?

25 A. I feel quite certain I videotaped more

1 than two areas in this building. And as I sit here,
2 without looking back at it, I can't remember whether
3 I took any in that, in the high density area or
4 not.
5 Q. Maybe we will have an opportunity to look
6 at the videotape later today.
7 I had noted an area on the second floor
8 HVAC which you had noted on the videotape was low-
9 density fireproofing, and then a second area that
10 was described as the second floor above Zubiena
11 Airlines, which in referring to your notes also
12 appears to be an area that was low-density
13 fireproofing?
14 A. Yes. Now, if there is nothing beyond
15 that on the tape, then there is nothing from the
16 high density area.
17 Q. Looking at Exhibit 16, again you have a
18 couple of paragraphs in Exhibit 16 that reference
19 this [redacted] And they appear on
20 the first page carrying over to the second page; is
21 that correct?
22 A. Yes.

23 Q. The first two paragraphs refer to low-

24 density fireproofing areas; is that correct?

25 A. Yes.

1 Q. And the second, the third paragraph,
2 referring to a locker room on the second floor of
3 the south end, refers to the area which you have
4 described as the high-density fireproofing area; is
5 that correct?
6 A. Yes.
7 Q. With respect to that area, your
8 recommendation is that the area be cleaned up; is
9 that correct?
10 A. Yes.
11 Q. With respect to the high-density
12 fireproofing area, did you make any other
13 recommendations at the time of your inspection with
14 respect to the fireproofing in that area of the
15 building?
16 A. No.
17 Q. Other than that recommendation regarding
18 that area, do you recommend abating or cleaning
19 other areas within this high-density fireproofing
20 area of [redacted] within a specified period of
21 time?
22 A. No.

23 Q. What opinions do you anticipate giving at

24 trial with respect to this high-density fireproofing

25 area in [redacted], and if they would be the same

1 as the opinions that you described with respect to
2 JFK 53 and [redacted] you could answer that
3 way is fine?
4 A. Basically they would be the same, the
5 exception being that third paragraph of Exhibit 16
6 that we just discussed.
7 Q. And those four opinions, or what we
8 identified four opinions with respect to the other
9 buildings, would the basis for your opinions be the
10 same except you would use the materials that pertain
11 to this building rather than materials you described
12 pertaining to those buildings respectively?
13 A. I think that is right, yes.
14 Q. We had identified those four opinions.
15 Do you anticipate giving any other opinions with
16 respect to any of these three buildings, Newark
17 Terminal A, JFK Building 53, and [redacted]
18 A. I really can't answer that without
19 knowing what I am going to be asked.
20 Q. But as you sit here today, do you
21 anticipate other opinions with respect to those
22 buildings?

23 A. I will certainly have other opinions

24 regarding the rest of the [redacted] that

25 we have not discussed. But, as far as my general

1 opinions regarding the high-density material in that
2 building, and the Terminal A, and --
3 Q. [redacted]
4 A. [redacted], I don't have
5 other opinions that come to mind.
6 [redacted]
7
8
9
10 A. Again, it would be whatever is in the
11 survey documents.
12 Q. This might be a good time for a break.
13 (A recess was taken.)
14 Q. (By Mr. Nicyper) Looking back at
15 [redacted], and I just want to, again, focus on
16 what we have described as the area that you referred
17 to or that is referred to in the drawing as to where
18 the high-density fireproofing is located which you
19 believe is Mon-kote.
20 In that area, is it your opinion that
21 there are any portions of that area that do not have
22 asbestos contamination as you have defined that term

23 previously in this deposition?

24 A. I don't know about the lower floor where

25 the maintenance shops are. Those areas appeared to

be cleaned rather regularly, and I would think that most of those areas would not be considered contaminated surfaces.

Q. And then the other portions of that section of the building, are there any of those which you -- it is your opinion do not have asbestos contamination as you defined it?

MR. JEKEL: Objection to the form of the question.

A. The upper floor certainly did.

[redacted]

have asbestos contamination as you have defined that term previously in this deposition?

A. There are some areas that have less contamination that I am aware of. The areas that have been abated, I am making an assumption that the asbestos contamination was taken out as part of the abatement. All the other areas it appeared to be very consistent and the sampling was done at random,

23 so I believe that to be representative of the other

24 areas.

25 Q. So, it is your opinion that areas other

1 than those areas that have been abated have asbestos
2 contamination as you defined that term in this
3 deposition?
4 A. Yes.
5 Q. With respect to [redacted] are
6 there any areas in that building that it is your
7 opinion do not have asbestos contamination as you
8 have defined that term previously in this
9 deposition?
10 A. I know it sounds like such a simple
11 question, but there are certainly areas, for
12 example, the top of a ticket counter in Terminal A,
13 I wouldn't contend that that has asbestos
14 contamination on it.
15 But, I am assuming we are talking about
16 surfaces below the fireproofing, such as the tops of
17 ceiling tiles and that type of thing, those are the
18 areas that I am referring to when I am talking about
19 asbestos contamination. The areas that are cleaned
20 very regularly, I don't believe are contaminated.
21 Q. Is it your opinion then that cleaning
22 will eliminate contamination?

23 MR. JEKEL: Objection to the form of

24 the question.

25 A. Will greatly reduce it

1 and in some cases eliminate it, yes.

2 [redacted]

3

4

5

6 A. [redacted]

7 Q.

8 A.

9 Q.

10 A.

11 Q.

12 [redacted]

13

14

15

16

17 MR. JEKEL: Objection to the form.

18 MR. NICYPER: What is the objection?

19 MR. JEKEL: I am going to let him

20 answer. I am just putting it on the record.

21 It is like a compound question. You haven't

22 defined what area you are talking about. But.

23 Q. (By Mr. Nicyper) Do you understand what

24 area I am talking about in the building?

25 A. Yes, I think so.

1 Q. I'm talking about the area regarding
2 high-density fireproofing. And if Mr. Jekel would
3 like me to lay a foundation every single time I ask
4 a question, I will be happy to do that.
5 MR. JEKEL: No, I am just putting it on
6 the record, Dean.
7 THE WITNESS: The answer is no.
8 Q. (By Mr. Nicyper) And, do you anticipate
9 visiting this building at any time in the future for
10 any of these purposes which I have just listed? And
11 strike that.
12 Do you anticipate visiting this portion
13 of this building where the high density fireproofing
14 is located for any of these purposes in the future?
15 A. No.
16 Q. And, do you anticipate visiting this
17 portion of the building for any other purpose
18 pertaining to this case?
19 A. No.
20 (Ewing Exhibit 21 and 22 were marked
21 for identification.)
22 Q. (By Mr. Nicyper) Mr. Ewing, let me show

23 you documents I have marked. The first is

24 Exhibit 21, which appears to be a June 11, 1996

25 cover memorandum from William E. Longo to

1 Mr. William Ewing, which appears to attach records
2 regarding the analysis of dust samples in Building
3 178, the old U.S. Customs Building at JFK Airport.
4 And, I have marked as Exhibit 22, seven
5 pages of field notes dated May 16, 1996, again for
6 JFK Building 178, the Old U.S. Customs Building.
7 Exhibit 21, the Materials Analytical
8 Services memorandum and attachments, this refers to
9 dust samples that you took in this building; is that
10 correct?
11 A. Yes. And whenever I say that, Mr. Dawson
12 generally actually physically collected them. We
13 were together at the time.
14 Q. I see. So, dust samples that either you
15 or Mr. Dawson, who works for you, took in this
16 building; is that correct?
17 A. Yes.
18 Q. Are you aware that other dust samples
19 have been taken by other experts in this building?
20 A. I believe that is correct.
21 Q. Have you spoken to Mr. Hatfield about
22 dust samples he took in the building?

23 A. No.

24 Q. Have you spoken to Mr. Hatfield about his

25 inspection of the building?

1 A. No, I haven't.

2 Q. Have you seen the results of

3 Mr. Hatfield's dust samples regarding this building?

4 A. Yes.

5 Q. In fact, let me show you what is in

6 Volume 12 of the binders you brought with you, or

7 Binder 12, Item I, refers to dust samples, again, a

8 Materials Analytical Services report to Mr. Hatfield

9 that refers to dust samples he took in the

10 building. The second page of which identifications

11 the dust samples in the areas in which they were

12 taken and the results of the analysis. Do you see

13 that?

14 A. Yeah. I think either the Customs

15 building got real big or this is the World Trade

16 Center.

17 Q. What, is this the World Trade Center?

18 A. Yes.

19 Q. I see. I am sorry, it is in that

20 section. All of his dust sample reports, I guess,

21 are all in Section I, and I am now looking further

22 into that section are the dust samples concerning

23 JFK 178.

24 If I remember correctly, there are

25 actually two sets of dust samples that he took

1 there, one was a three set, a three sample group and
2 which apparently concerned the videotape experiment
3 he conducted; is that correct?
4 A. Yes.
5 Q. And then the other was a four sample
6 group, which appears to be dust sampling similar to
7 that which you did in the building; is that correct?
8 A. Yes.
9 Q. Of course one of those four samples is a
10 blank; is that correct?
11 A. Yes.
12 Q. If you will look first at the three
13 sample group, the first sample, or all of the
14 samples, appear to be taken on the first floor, do
15 you see that, on top of a ceiling tile?
16 A. The first sample in the three sample
17 group, I believe, was taken from the top of a
18 ceiling tile. The other two, I believe, were taken
19 down on the floor after the demonstration.
20 Q. So the first sample is taken on top of a
21 ceiling tile, and that was before the demonstration
22 was conducted; is that correct?

23 A. That is my understanding, yes.

24 Q. And, that is sample number M-15124-1; is

25 that correct?

1 A. Yes.
2 Q. And, I see he has come up with a result
3 of that analysis of 19.8 million structures per
4 square centimeter; is that correct?
5 A. Yes.
6 Q. If you would look at Exhibit 21. The
7 third sample you took, sample M-15269-03, also is
8 taken on the first floor above the ceiling tiles,
9 but this was from a metal duct; is that correct?
10 A. Yes.
11 Q. And, you come up, or the analysis of the
12 sample you took is 1.3 million structures per square
13 centimeter; is that correct?
14 A. Yes, that is correct.
15 Q. Do you have any opinion as to the
16 difference between the structure count in your
17 sample above the ceiling on the first floor and the
18 structure count in Mr. Hatfield's sample taken above
19 the ceiling on the first floor?
20 A. There were clearly more asbestos
21 structures in the area that he sampled than the area
22 that I sampled.

23 Q. And do you know why that is?

24 A. There is some -- there would be various

25 possibilities, but I don't know for a fact why one

1 area is particularly higher than another area.
2 Q. Looking at the four sample set, which
3 Mr. Hatfield took, if you would look at the third
4 sample out of that set, which is sample M-15123-3,
5 it is taken on the second floor, top of ceiling
6 tile, and analysis results are 74.5 million
7 structures per square centimeter, do you see that?
8 A. Yes.
9 Q. And if you will look at your dust samples
10 in Exhibit 21, the fourth sample down, sample number
11 M-15269-4, also is taken from the second floor above
12 the ceiling, but it is taken from a metal light
13 fixture, and the sample analysis results are
14 2.1 million structures per square centimeter; is
15 that correct?
16 A. Yes, that is correct.
17 Q. And, do you have any knowledge with
18 respect to why there is such a large difference
19 between the structure count on your sample and the
20 structure count on Mr. Hatfield's sample, both of
21 which were taken above the ceiling on the second
22 floor?

23 A. No. Again, it is most likely different

24 concentrations in the dust in those two locations.

25 Q. Any reason why they would be different

1 concentrations in the dust in those two occasions,
2 in your opinion?
3 A. Well, there are several possibilities.
4 One that I have observed in the past is proximity of
5 the sampling location to a return air shaft or
6 return air duct that the closer to the return air
7 duct, often the higher the concentration of asbestos
8 on a surface. It could also be in the vicinity of
9 some past maintenance activity that could result in
10 more dust, asbestos dust, being deposited in one
11 area than another area.
12 Q. Could it also be that the indirect prep
13 method resulted in a larger number of fibers being
14 split apart in one sample than in another?
15 MR. JEKEL: Objection to the form of
16 the question.
17 Q. (By Mr. Nicyper) Larger number of
18 structures?
19 A. Well, the analyses I would certainly
20 assume, particularly being done by the same
21 laboratory, I would expect that the analyses would
22 be virtually identical between one sample and the

23 next.

24 If that were the case, then it would be

25 just as likely as my sample would be higher than his

1 sample. I don't see anything to indicate one way or
2 the other.
3 Q. Do you know whether your sample or
4 Mr. Hatfield's sample was taken near an air duct
5 system?
6 A. Which sample?
7 Q. From your samples?
8 A. Yes. Which one are we referring to?
9 Q. 15269-4.
10 A. My sample JFK 23, taken on the second
11 floor, was taken from a location near the north
12 perimeter wall, which was not near a return air
13 pickup. My sample up in the third floor, JFK 24,
14 which was an order of magnitude higher, was taken
15 near a return air pickup.
16 Q. And, you are determining that by looking
17 at the oversized drawings you have in your file of
18 which you were -- of which we made a copy; is that
19 correct?
20 A. Yes.
21 Q. How are you determining whether or not
22 there was a return air pickup?

23 A. The pickup for the return air is located

24 really in the middle of that floor, and my

25 photograph 15:22, is a photograph of that pickup up

1 on the third floor, but it is the same down on the
2 second and first.
3 Q. Do you know how close to that pickup
4 sample, I guess 24, was taken?
5 A. I think it was taken on top of that duct,
6 this photograph.
7 Q. Are you certain of that?
8 A. I can't be absolutely positive. But,
9 yes, I can be absolutely positive.
10 Q. It was taken on top of a duct?
11 A. Yes, it was taken on top of this duct.
12 Q. When you say this duct, you are referring
13 to picture what number?
14 A. 15:22. And if you are looking at 15:22,
15 it would be taken over near this demising wall about
16 two feet in on top of that duct.
17 Q. So, two feet away from the mouth of the
18 duct, the opening of the duct?
19 A. Yes.
20 Q. And looking at that, you had mentioned
21 that that sample, 24, JFK 24, was an order of
22 magnitude higher than the sample JFK 23; is that

23 correct?

24 A. Yes.

25 Q. In fact, JFK 24 shows 11.7 million

1 structures per square centimeter; is that correct?

2 A. Yes.

3 Q. And sample 23 shows 2.1 million

4 structures per square centimeter; is that correct?

5 A. Yes. Not quite an order of magnitude.

6 Q. In fact, more like half an order of

7 magnitude; is that correct?

8 A. That is correct.

9 Q. If you would look now at Exhibit 22,

10 which I believe are your field notes concerning this

11 building, JFK 178. If you would look on the second

12 paragraph -- well, first look at the first

13 paragraph, there is a reference in your second

14 sentence to both asbestos-containing fireproofing

15 and nonasbestos-containing fireproofing; is that

16 correct?

17 A. Yes.

18 Q. And then further down you state that it

19 appears like MK-4 or five; is that correct?

20 A. Yes.

21 Q. And that is based on visual observation

22 only?

23 A. Solely on visual observation.

24 Q. If you look down at the next paragraph,

25 there are references there to non-ACM and then

1 fireproofing exposed. Are any of the references in
2 this particular paragraph to asbestos-containing
3 fireproofing?
4 A. Yes.
5 Q. And which of those references are to
6 asbestos-containing fireproofing?
7 A. The entire second paragraph would be.
8 Q. The second sentence of the second
9 paragraph says: "Also four locations above one foot
10 by two foot splined CT's non-ACM." The reference
11 non-ACM there is only to the ceiling tiles
12 themselves?
13 A. Yes.
14 Q. I see. On the second page, the end of
15 the second paragraph, you make a reference to the
16 building having been vacated approximately two or
17 three years ago; is that correct?
18 A. That was based on what I was told by
19 either Danny or Keith.
20 Q. And the building when you were there was
21 vacant; is that correct?
22 A. Yes.

23 Q. In your opinion, what was the condition

24 of the building itself when you conducted your

25 inspection?

1 MR. JEKEL: Objection to the form of
2 the question.
3 A. There were some areas
4 with water intrusion, other areas that
5 appeared like just an unoccupied building.
6 Q. In the condition that
7 it is in, would you consider it to be habitable?
8 MR. JEKEL: Objection to the form of
9 the question.
10 A. Portions, certainly,
11 would be. Most of it would be.
12 Q. (By Mr. Nicyper) In the south end
13 portion of the building do you recall seeing pigeons
14 in the building and pigeon defecation?
15 A. In the stairwell at the far end, yes;
16 live and dead.
17 Q. Looking back at Exhibit 16, I don't see a
18 reference in this exhibit to your inspection of
19 Building 178; is that correct?
20 A. That is correct.
21 Q. What opinions do you anticipate giving at
22 trial with respect to [redacted]? And if those

23 opinions are the same as the opinions you discussed

24 regarding the other buildings that may shortcut the

25 process?

1 A. They are basically the same as we have
2 discussed regarding the other buildings with high-
3 density fireproofing; that the appropriate time to
4 perform abatement of the fireproofing in this
5 building is in conjunction with renovation of the
6 building, assuming it will be renovated prior to
7 reoccupancy, or demolition of the building if it is
8 going to be demolished.
9 Obviously, to me it is obvious there are
10 areas that need to be addressed before it can be
11 reoccupied. You couldn't just simply have people
12 walk in there and start working without doing some
13 asbestos cleanups.
14 But, --
15 Q. Did you make any recommendations to the
16 Port Authority regarding those areas?
17 A. No, I did not because I understood it was
18 not scheduled to be reoccupied any time in the near
19 future.
20 Q. Did anybody tell you what the anticipated
21 plans were for that building?
22 A. I was told that the future of the

23 building was undetermined.

24 Q. In looking at your notes, are there

25 specific areas you have in mind that you believe

1 should be cleaned up before occupancy?
2 A. I don't think I made a note of it, but it
3 would be my recommendation to them, but I think it
4 would be something they would do anyway, to have an
5 inspector go through the building and identify any
6 areas where ceiling tiles had come down, where there
7 was asbestos debris present, and at least clean
8 those areas; and where there is water-damaged
9 material, then replace that material, at least.
10 But, I would say that they should do that
11 at the time they are going to reoccupy.
12 Q. If on reoccupancy they do not renovate
13 the building, is it your opinion that the
14 asbestos-containing material that is not water
15 damaged can stay in place until demolition, assuming
16 there is no renovation prior to demolition?
17 MR. JEKEL: Objection to the form of
18 the question.
19 THE WITNESS: And assuming the
20 condition does not change, I think that would
21 be all right.
22 Q. (By Mr. Nicyper) Approximately how many

23 hours did you spend visiting this building on

24 May 16, 1996?

25 A. I arrived at 12:25 p.m., and left at

1 4 o'clock p.m., so three and a half hours.

2 Q. Other than your visit to this building on

3 May 16, 1996, have you visited the building on any

4 other occasion for the purpose of inspecting

5 asbestos-containing materials, taking photographs,

6 taking videos, or taking dust or air samples?

7 A. No.

8 Q. And, do you anticipate visiting this

9 building again at any time in the future for any of

10 these purposes?

11 A. No.

12 Q. Do you anticipate visiting this building

13 at some time in the future for any other purpose

14 pertaining to this case?

15 A. No.

16 Q. Let me show you what I would like to mark

17 as Exhibit 23. This is Materials Analytical

18 Services reports regarding dust samples taken in

19 [redacted] of JFK Airport, sometimes referred to

20 as the Tower Air Terminal.

21 (Ewing Exhibit 23 was marked for

22 identification.)

23 MR. NICYPER: And let me show you what

24 I will mark as Exhibit 24, these are seven

25 pages of field notes by W. Ewing/T. Dawson

1 dated May 16, 1996, again pertaining to
2 [redacted] of JFK Airport, otherwise known
3 as the Tower Air Passenger Terminal.
4 (Ewing Exhibit 24 was marked for
5 identification.)
6 Q. (By Mr. Nicyper) If I could just step
7 back for one minute going back to [redacted]. In
8 viewing your videotape, I noticed you took videos at
9 two different areas in the building, both of which
10 were identified on the tape as the third floor or
11 fourth level.
12 Why did you choose those areas in
13 [redacted] to take a videotape?
14 A. Offhand, I don't remember that that was
15 the particular area I took a videotape. My memory
16 is that I thought I took maybe a couple of locations
17 in the building.
18 But, the purpose of the videotape is to
19 just remind me of what the material looked like and
20 that type of thing. It shouldn't be any different
21 than the other floors.
22 Q. Did anybody, other than you, select the

23 areas to be videotaped in [redacted]?

24 A. No.

25 Q. Is that also true with respect to the

1 other buildings we have discussed this morning, are
2 you the only person who made the determination on
3 where to conduct the videotaping?
4 A. Yes.
5 Q. Videotaping that you did?
6 A. Yes.
7 Q. And who ran the videotape, was that you
8 or Mr. Dawson in these buildings?
9 A. That was me.
10 Q. If you would look now at Exhibit 23,
11 which is the Materials Analytical Services report
12 regarding dust samples at [redacted] Tower Air
13 Terminal, this report concerns dust samples that you
14 took in that building; is that correct?
15 A. Myself or Mr. Dawson, yes.
16 Q. And Exhibit 24 are your field notes from
17 that building; is that correct?
18 A. Yes, it is.
19 Q. On the first page you have notes
20 regarding the mechanical equipment room on the first
21 floor, and then the mechanical equipment room on the
22 second floor; is that correct?

23 A. Yes.

24 Q. Then there is a drawing on Page 2. Then

25 on Page 3 are notes regarding -- notes that begin

1 this roof, do you see that?

2 A. Yes.

3 Q. What roof are you referring to?

4 A. The roof of the building.

5 Q. Did you actually go out onto the top of

6 the roof?

7 A. It just so happened I did, but I had no

8 reason to.

9 Q. Have you had any opportunity -- I

10 noticed -- strike that. In the last paragraph you

11 refer to being unable to inspect, it says these

12 areas. What areas are you referring to?

13 A. If you look on Page 2 of my field notes,

14 on the top drawing where it shows the MER on the

15 south side of that floor. That floor is basically

16 like a doughnut that goes all the way around. And I

17 would have liked to have been able to inspect up

18 above a couple of these ceilings, but these were

19 lounges, waiting areas that were occupied by

20 passengers, and obviously could not go up at that

21 point.

22 Q. Do you anticipate visiting this building

23 again to inspect that area?

24 A. No.

25 Q. Also on Page 3, there is a reference

1 there that you told Paul, Tower Air maintenance, not
2 to sweep or disturb this material. What material
3 is referred to in that sentence?
4 A. The fireproofing on the floor.
5 Q. On the floor of which area?
6 A. MER-2. Or the second floor of MER.
7 Q. Your notes refer to MER on the first
8 floor and the second floor MER. Did you inspect any
9 other areas in this building other than the first
10 floor MER and the second floor MER?
11 A. Not of the fireproofing. These were the
12 only areas that the fireproofing was available to be
13 seen.
14 Q. On the first page of your notes
15 concerning the second floor MER, you refer to some
16 nails piercing the fireproofing?
17 A. Yes.
18 Q. And was it your opinion that when a new
19 roof had been put on that building, nails had been
20 used to secure the roof?
21 A. Yes.
22 Q. And those nails had gone through the

23 existing fireproofing on the ceiling; is that

24 correct?

25 A. Yes.

1 Q. Did you notice any areas where those
2 nails had caused areas of the fireproofing to
3 delaminate?
4 A. Areas as in whole sheets or --
5 Q. Portions, yes, anything larger than the
6 size of the head of the nail, or the point of the
7 nail?
8 A. No, I don't recall seeing that.
9 Q. If you would look at Exhibit 16, there
10 are a couple of references here to this building and
11 your inspection of the Tower Air Terminal. Do you
12 see that?
13 A. Yes.
14 Q. In fact, it is the first section of this
15 memorandum; is that correct?
16 A. Yes.
17 Q. Under the heading [redacted] in the
18 first paragraph, there is a reference to the first
19 floor mechanical equipment room; is that correct?
20 A. Yes.
21 Q. And the recommendation there is that for
22 cleanup; is that correct?

23 A. Yes.

24 Q. Then the second paragraph refers to the

25 second floor mechanical equipment room; is that

1 correct?

2 A. Yes.

3 Q. And the recommendation there is, again,

4 cleanup; is that correct?

5 A. Yes.

6 Q. The videotape taken of this building is

7 in two sections, one is in the first floor MER and

8 the second is in the second floor MER, is the reason

9 you didn't take a videotape of other areas is

10 because you did not have access to the other areas

11 at the time of your visit?

12 A. Yes, that is correct.

13 Q. What opinions do you anticipate giving at

14 trial with respect to this building? And maybe I

15 can shortcut it. Are those opinions any different

16 than what you have stated with respect to JFK

17 Building 53 and [redacted]?

18 A. They would basically be the same, same

19 opinions, the only thing that would be different is

20 I would have recommended that they remove the

21 fireproofing prior to doing that roofing work.

22 Q. Your recommendation then would have been

23 to remove all of the fireproofing on the second

24 floor ceiling before installing the new roof?

25 MR. JEKEL: Objection to the form of

1 the question.

2 A. Yes, that is correct.

3 Q. That recommendation,

4 however, is retrospective, they have already done

5 it. So with respect to future recommendations, your

6 recommendations would then be the same as they were

7 with respect to JFK Building 53 and [redacted]

8 [redacted] is that correct?

9 A. Yes.

10 Q. And the basis for those opinions and

11 recommendations would be the same as the basis you

12 gave for the other buildings except you would use

13 the data and the information you had with respect to

14 this building; is that correct?

15 A. Yes.

16 Q. Just a couple of final questions

17 regarding this building. Do you anticipate any

18 other visits to this building with respect to this

19 litigation?

20 A. No.

21 Q. Let me show you what I would like to mark

22 as Exhibit 25, this is a Materials Analytical

23 Services report regarding [redacted]

24 [redacted] otherwise known as the [redacted]

25 [redacted].

1 (Ewing Exhibit 25 was marked for
2 identification.)
3 MR. NICYPER: And let me show you what
4 I will ask the court reporter to mark as
5 Exhibit 26, these are four pages of field
6 notes regarding [redacted]
7 [redacted].
8 (Ewing Exhibit 26 was marked for
9 identification.)
10 Q. (By Mr. Nicyper) If I could, just for a
11 minute, go back to Building 213. Was it your
12 understanding that half of that building had been
13 abated?
14 A. Tower Air?
15 Q. The Tower Air Terminal, yes.
16 A. About half of the second floor had been
17 abated -- well, it depends on how you look at it.
18 But, yeah, I would say about half. For the Tower
19 Air renovations.
20 Q. Your review was only of the mechanical
21 equipment rooms. Was it your opinion that in those
22 rooms there was asbestos contamination as you define

23 it?

24 A. Yes.

25 Q. And, is it your opinion that there is any

1 asbestos contamination, as you have defined it in
2 this deposition, in any other areas of that
3 building?
4 A. I would expect to find the same thing in
5 the other areas. I wouldn't expect it to be any
6 different, particularly with the roofing
7 situation.
8 Q. And, that is based upon extrapolating
9 from what you saw to the other areas that you did
10 not see; is that correct?
11 A. Yes.
12 Q. Is that based on anything else?
13 A. No, it is not.
14 Q. The areas that you saw, the mechanical
15 equipment rooms in [redacted], what degree of
16 contamination, as you define it, is it your opinion
17 was present in that building?
18 A. Well, I thought it was significant enough
19 to notify the Tower Air people immediately, and to
20 have them get it cleaned up immediately.
21 Q. Under the categories that you have
22 previously described in this deposition, would it be

23 your opinion that that area was highly contaminated?

24 A. There would be no other possible

25 conclusion anybody in their right mind could come

1 to.

2 Q. Is it your opinion that passengers using

3 that terminal would be at risk?

4 MR. JEKEL: Objection to the form of

5 the question.

6 A. I don't expect the

7 passengers would be.

8 Q. Is it your opinion that

9 anyone using that building is at risk?

10 MR. JEKEL: Objection to the form of

11 the question.

12 Q. (By Mr. Nicyper) I am talking about risk

13 of asbestos exposure?

14 A. I think the maintenance person, Paul,

15 from Tower Air, there is no doubt in my mind he has

16 been exposed, unnecessarily exposed.

17 Q. If, in fact, the maintenance personnel

18 follow the O & M procedures that we have seen

19 described in your reliance materials in Item 11,

20 would that risk be removed?

21 A. Well, you are asking me to assume

22 something that just doesn't make any sense because

23 what I observed is they are not following it. And,

24 have not followed it.

25 Q. And when you say you observed that in

1 that building, what observations did you make in
2 that building that would indicate to you that they
3 have not followed it?
4 A. Using a broom to dry sweep piles of
5 fireproofing across a concrete floor would not be
6 considered a good practice.
7 Q. And where did you see that occur?
8 A. In the MER rooms. It is clear that that
9 is how they had swept it, because there were brooms,
10 it is very apparent.
11 Q. Do you know whether they wore protective
12 clothing in dry sweeping those floors?
13 A. There is no indication that they did
14 that.
15 Q. Did anybody tell you that, in fact, they
16 dry swept the floors in the mechanical equipment
17 rooms?
18 A. Paul indicated to me that something to
19 the affect that this was first time anybody had
20 brought this up, and that he had thought it might be
21 a problem, but hadn't asked about it.
22 Q. You didn't mention that in your notes.

23 Is there anything else you can recall from your

24 visit to that building that is not reflected in your

25 notes?

1 MR. JEKEL: I am sorry, just with
2 regard to Tower Air?
3 Q. (By Mr. Nicyper) Yes.
4 A. No, I am sure there were other things I
5 recall, but I am not sure there are other things
6 that are really significant.
7 Q. Significant to this case, or to your
8 opinions in this case?
9 A. Yes.
10 Q. Is it your opinion that the maintenance
11 and custodial workers in this building cannot be
12 trained to follow a proper asbestos operations and
13 maintenance program?
14 A. I think they can be trained.
15 Q. Is it your opinion that maintenance
16 workers in any of the buildings we have discussed
17 thus far cannot be trained to follow an asbestos
18 operations and maintenance program?
19 A. I think most of them can be trained.
20 Q. Are there any particular buildings you
21 have in mind where the maintenance workers are not
22 capable of being trained?

23 A. Well, only because the way you have

24 worded it, there is an individual in the Delta Cargo

25 Building that I think just couldn't be trained to do

1 this simply because of a language barrier. But,
2 that is all.
3 Q. Did that individual -- what was his
4 language?
5 A. Russian.
6 Q. But it is your belief he was not capable
7 of being trained to follow an asbestos operations
8 and maintenance program?
9 A. If it were taught in Russian and
10 translated into Russian, I think he could be, yes.
11 Q. Mr. Ewing, if you would look now at what
12 we have marked as Exhibit 25, this is a report from
13 Materials Analytical Services concerning dust
14 samples that you and/or Mr. Dawson took in
15 [redacted] is that correct?
16 A. Yes, it is.
17 Q. If you would look at the second page of
18 this exhibit, it refers to three samples, dust
19 samples having been taken in this building by you
20 and/or Mr. Dawson, the fourth of which is a blank.
21 Samples two and three show concentrations
22 respectively of 2.6 million structures per square --

23 centimeter squared and 1 million structures per

24 square centimeter, and then sample one shows 16.7

25 million structures per square centimeter. Both

1 samples, one and two, are taken from the second
2 floor mechanical equipment room on top of different
3 surfaces there.
4 Do you have any explanation with respect
5 to why sample one is approximately eight times
6 greater in structure count than sample two?
7 A. Sample number one is higher than sample
8 number two, and I would, looking at the results,
9 believe that it reflects that the dust concentration
10 on the surface is higher. I can't say that it is
11 significantly higher, though.
12 Q. Significantly higher in your opinion is
13 at least by one order of magnitude?
14 A. Yes.
15 Q. And, this is only approximately three
16 quarters of that; is that correct?
17 A. Yes.
18 Q. Looking at Exhibit 26, these are your
19 field notes for your inspection of this building; is
20 that correct?
21 A. Yes.
22 Q. Down on the third paragraph on the first

23 page of these field notes, the last sentence of that

24 paragraph reads: "FP is damaged, friable surfacing

25 ACBM." Do you see that?

1 A. Yes.
2 Q. Do you have any opinion regarding what
3 was the cause of the damage?
4 A. It is my opinion that the damage that I
5 saw in this building was due to physical damage and
6 deterioration.
7 Q. And when you say deterioration, what are
8 you referring to?
9 A. Aging of the material over time.
10 Q. Is it your opinion that aging of Mon-kote
11 over time causes it to deteriorate?
12 A. Yes.
13 Q. Have you conducted any studies or tests
14 that establish that?
15 A. Well, I have conducted sampling and made
16 observations of this type of fireproofing. But, I
17 think it is consistent with other types of
18 spray-applied fireproofing as well in which was not
19 subject to water, not subject to physical abuse, or
20 maintenance abuse, any sort of physical damage; and
21 have observed over time the accumulation of asbestos
22 fibers or structures on surfaces below it, and

23 debris released from it on surfaces below it.

24 Q. Is it your opinion that the degree of

25 deterioration increases over time?

1 A. I really don't know whether it increases
2 over time, potentially decreases over time, or stays
3 at a steady rate over time, that I don't know.
4 Q. Are you aware of any published studies
5 that establish that over time Mon-kote deteriorates?
6 A. That names Mon-kote by name?
7 Q. Yes.
8 A. I am not aware of any studies that name
9 the fireproofing products by name regarding
10 deterioration.
11 Q. The studies you have referred to
12 regarding fireproofing, do those studies distinguish
13 between high-density fireproofing and low-density
14 fireproofing?
15 A. What I was just referring to was
16 observations regarding high-density fireproofing,
17 and I think I said I have seen the same thing with
18 low-density fireproofing. Others have observed the
19 same thing.
20 One of the guidance documents in the
21 references states it as clear as day that that is
22 what does happen. I didn't know that was even an

23 issue.

24 Q. When you talk in terms of deterioration,

25 and what you are talking about from your

1 observations is that at times you find particles
2 beneath where fireproofing has been installed?
3 MR. JEKEL: Objection to the form of
4 the question.
5 A. Both dust and debris.
6 Q. Dust and debris. It is
7 that observation on which you make your statement
8 that the fireproofing itself is deteriorated; is
9 that correct?
10 MR. JEKEL: Objection to the form of
11 the question.
12 A. That is the main reason.
13 As I said, I have also done the type of
14 testing where you put a container out and
15 leave it for a period of time and come back
16 and retrieve it at a later period of time,
17 and certainly in some instances there is no
18 indication that there was a maintenance
19 activity or other type of physical
20 disturbance of the material.
21 I am not a strong proponent of air
22 erosion causing fiber release. And you had

23 asked me earlier about ventilation or, excuse

24 me, vibration. I am not aware of enough

25 studies being done on that. But, it is

1 something that I have seen in many buildings,
2 some subject to more vibration than others.
3 And, I would say it is actually rather
4 consistent finding in buildings with
5 spray-applied fireproofing.
6 Q. Are you aware of any
7 studies that have determined whether fireproofing
8 that is 15 years old has less deterioration in a
9 given specified time, than fireproofing that is 20
10 years old?
11 MR. JEKEL: Objection to the form of
12 the question.
13 A. I am not aware of studies
14 that have looked at that. I think I
15 mentioned the other day that one of the
16 things I was interested in was trying to look
17 at the construction dates for some of the
18 buildings I have sampled.
19 I don't think there will be enough data
20 to -- I think the spread of the data will
21 overlap enough that there wouldn't be any
22 significant finding one way or the other.

23 There are some samples, including

24 samples taken in these Port Authority

25 buildings, that certainly appear that the

1 fireproofing is releasing asbestos structures
2 at a fairly high rate today.
3 And, I am thinking of the [redacted]
4 [redacted] where we had three
5 samples, I think, taken from new surfaces, or
6 surfaces that were only one to three years
7 old, and found, to me, surprisingly high
8 numbers on those, particularly for a building
9 that is under an O & M program.
10 Q. Do you know whether there
11 had been any maintenance work conducted in
12 that area during the three-year period?
13 A. No, I don't.
14 Q. You had referred previously to the test
15 being done where receptacles were placed under
16 fireproofing material, I think sometimes referred to
17 as the tin cup test; is that correct?
18 A. Sometimes, or passive dust samples.
19 Q. Passive dust samples. And you stated
20 that there was no evidence in connection with those
21 dust samples that the fireproofing had been
22 disturbed.

23 Isn't it true that in each instance the

24 tins were in an unsecured location, such that

25 maintenance workers or others could have done work

1 in those areas and disturbed the fireproofing?
2 MR. JEKEL: Objection to the form of
3 the question.
4 A. Certainly some of them
5 were. In some buildings there were samples
6 collected or containers placed in a building
7 where I believe fairly strong maintenance
8 records were retained when they went into a
9 ceiling so that you knew whether or not there
10 was a maintenance activity in that particular
11 area.
12 Q. Your assumption there is that
13 accurate maintenance records were
14 maintained?
15 MR. JEKEL: Let him finish.
16 THE WITNESS: Yes. I am making that
17 assumption. In one building that had locking
18 splined ceilings, when ceiling tiles were
19 taken out, plastic was glued back into place
20 with basically with glue and wooden strips.
21 And, that was really where I first
22 noticed it because over a year's period of

23 time you started with very clean plastic, and

24 some areas it was 20 or 30 square feet of

25 clear plastic, and you could go back several

1 months later or six months later, look up at
2 it, and the fireproofing was sprayed in a
3 separate line on the beams, and sure enough,
4 right below that was a nice straight line of
5 small pieces of fireproofing debris and a
6 layer of dust, which surprisingly always
7 seems to have the exact same color as the
8 dust of the fireproofing itself.
9 Q. (By Mr. Nicyper) What building are you
10 talking about there?
11 A. That one I was talking about the Pacific
12 Northwest Bell Building in Seattle.
13 Q. And again, do you know whether or not
14 there was maintenance activity above that ceiling
15 between the time the plastic was put in and when you
16 observed dust?
17 A. There was no maintenance activity above
18 that ceiling.
19 Q. And how do you know that?
20 A. Because their policies, and they had a
21 person stationed on every floor to make certain that
22 no one went into the ceilings.

23 They had probably the most stringent

24 O & M program I ever saw. And, their policy was

25 that under no circumstances were the ceilings to be

1 opened for any reason, including when the heat went
2 out in the building and they were issued coats and
3 blankets and hats to the workers.
4 Q. Was that area above that ceiling a plenum
5 area?
6 A. Yes.
7 Q. And what type of building was that?
8 A. Headquarters building for Pacific
9 Northwest Bell.
10 Q. How long a period of time was there from
11 when you made your observation and when the plastic
12 was applied?
13 A. It spanned about a two-year period of
14 time.
15 Q. Did you conduct any tests of that
16 material?
17 A. The end of the period of time I don't
18 recall how many, but I clearly do recall cutting
19 open some of the plastic and taking the samples of
20 the debris and having them tested.
21 Q. And were they tested in connection with
22 the litigation concerning that building?

23 A. Partially in connection with the

24 litigation, but I was also working on parts of the

25 O & M program of that building.

1 Q. You were retained as an expert in the
2 asbestos-in-buildings litigation concerning that
3 building; is that correct?
4 A. That is correct.
5 Q. Coming back to [redacted]
6 [redacted]. Looking at
7 Exhibit 16, I don't see any reference in Exhibit 16
8 to this building; is that correct?
9 A. That is correct.
10 Q. So at the time you conducted your
11 inspection, you did not make specific
12 recommendations to the Port Authority regarding
13 handling of asbestos-containing material in that
14 building; is that correct?
15 A. That is correct.
16 Q. You also did not take any videos in this
17 building, is there any reason why?
18 A. Quite frankly, I don't remember whether I
19 did or didn't. But, assuming I did not, it was
20 probably because this building was added on because
21 I had additional time, and I think the other --
22 possibly I just didn't have any videotape. It was

23 really quite a small building.

24 Q. Are the opinions you anticipate giving at

25 trial with respect to this building any different

1 than the opinions you have expressed today regarding
2 JFK Building 53 and [redacted]?
3 A. I expect them to be about the same.
4 Q. Any differences you can think of as you
5 sit here today?
6 A. No.
7 Q. And the basis of those opinions would be
8 the same types of material you described as the
9 basis for your opinions regarding the other
10 buildings, except they would be those same materials
11 that were obtained or taken with respect to this
12 building; is that correct?
13 A. Yes.
14 Would this be a good place to break for
15 lunch?
16 Q. Almost. Could I ask just a few more
17 follow-up questions here. Is it your opinion that
18 there are any areas in this building that do not
19 have asbestos contamination, as you have defined
20 that term previously in this deposition?
21 A. It is my opinion that surfaces below
22 in-place fireproofing in this building does have

23 asbestos contamination. Surfaces such as the desk

24 that somebody sits at up above the toll plaza

25 itself, I have no reason to believe that desk is

1 contaminated.

2 Q. Is your opinion, is it your opinion that

3 workers in this building are at risk from asbestos

4 exposure?

5 MR. JEKEL: Objection to the form of

6 the question.

7 A. My concern is more for

8 maintenance and service worker who work in

9 the vicinity of the asbestos itself. I don't

10 think the actual toll booth operators would

11 receive a significant exposure to the

12 asbestos from the fireproofing. Probably no

13 more than they get from the brakes from the

14 cars.

15 Q. Is it your opinion that the office

16 workers in this building would receive a

17 significant asbestos exposure from the fireproofing

18 in that building?

19 MR. JEKEL: Objection to the form of

20 the question.

21 A. I would not expect that

22 under normal circumstances. I would expect

23 that, for example, just prior to my being

24 there, someone was running coaxial cable

25 through the ceiling plenum or the ceiling

1 space and not following the O & M
2 procedures.
3 I have no idea what the exposures were
4 from that cable pulling operation. I do
5 believe that they would have resulted in a
6 significant increase in the airborne
7 concentration, at least to the person doing
8 the work.
9 Q. Do you believe that increase --
10 is it your opinion that that increase
11 would have exceeded the OSHA levels on a
12 time-weighted average basis?
13 A. I wouldn't be able to offer the opinion
14 on that.
15 Q. But you don't have an opinion one way or
16 another?
17 A. My opinion would be that it is possible
18 that it could have. It is also possible that it
19 wouldn't have.
20 Q. And with respect to the maintenance
21 workers you discussed in this building, would your
22 concern regarding their asbestos exposure be

23 alleviated if they followed an appropriate asbestos

24 and maintenance program for the building?

25 MR. JEKEL: Objection to the form of

1 the question.
2 A. It would certainly reduce
3 their exposure. And if they followed it
4 correctly, I think it could reduce their
5 exposure to the point where I don't feel they
6 were at any increased risk of exposure.
7 Q. Do you recall approximately
8 approximately how long you spent inspecting this
9 building?
10 A. Between an hour and a half and two
11 hours.
12 Q. Other than that visit, have you paid any
13 other visits to this building?
14 A. No.
15 Q. And do you anticipate visiting this
16 building again for any purpose?
17 A. No.
18 MR. NICYPER: As you request, this may
19 be a good time to take a lunch break.
20 (Luncheon recess was taken.)
21 (Ewing Exhibit 27 was marked for
22 identification.)

23 Q. (By Mr. Nicyper) Mr. Ewing, let me show

24 you what I have asked the court reporter to mark as

25 Exhibit 27. This is a May 23, 1996 letter from

1 Tod A. Dawson of Compass Environmental,
2 Incorporated, to William E. Longo, transferring what
3 appears are two fireproofing debris samples.
4 Was this document prepared by Mr. Dawson
5 of your office?
6 A. Yes, it was.
7 Q. Could you describe what this is, please?
8 A. It is the transmittal letter with the
9 chain of custody and sampling information attached,
10 transferring two debris samples to Dr. Longo's
11 office, or his laboratory.
12 Q. One of those debris samples, if you look
13 at the third page of this document, was taken from
14 the [redacted]
15 A. Yes.
16 Q. And, this refers to it as high-density
17 fireproofing. Was that taken from the section that
18 we talked about earlier today?
19 A. Yes.
20 Q. And then the other sample, if you look
21 two pages beyond, says it is taken from [redacted]
22 [redacted]

23 A. Yes.

24 Q. Why were these two debris samples taken

25 in these two buildings?

A. I took the two debris samples in case someone questioned whether or not they were really fireproofing debris. The option would be there to have them analyzed.

Q. Do you have photographs of the debris that you took samples of?

A. Yes.

Q. For [redacted], could you identify on your photograph log which photograph refers to those debris samples?

A. The debris sample taken in [redacted] [redacted]s shown in photograph 16 21:39 and 16 21:40.

Q. Thank you. Do you have the debris sample photograph or photographs of the debris sample taken in the [redacted]? If you could please identify those for the record.

A. The debris sample taken in the [redacted] is shown in photograph 13 16:52.

Q. Did anyone specifically ask you to take these debris samples or either of them?

A. No.

23 Q. And again, your purpose was to be able to

24 determine what the debris was or if anybody had a

25 question regarding what the debris was, I believe

1 was your answer?
2 A. My purpose for taking them was to be able
3 to confirm to someone else. In my mind, I have no
4 problem stating that this is, in fact, fireproofing
5 debris consistent with the material in that same
6 space. If I were questioned on that, I would be
7 able to ask that the samples be analyzed to confirm
8 that.
9 Q. You have not asked for analysis of this
10 sample to date; is that correct?
11 A. No. No one has questioned it yet.
12 Q. And, in the first paragraph of
13 Mr. Dawson's letter to Mr. Longo, to Dr. Longo, it
14 states that they requested samples be held until
15 such time as analysis is required, and then says
16 that it is possible that when analysis is required,
17 it will be of a time sensitive nature. In what
18 circumstances do you anticipate analysis may be
19 required?
20 A. The only circumstance I can think of
21 would be possibly after my testimony at trial, if it
22 is raised as an issue that I had not analyzed this,

23 that would allow me to go ahead and analyze, have

24 the samples analyzed and, I guess, through rebuttal

25 testimony, state here is what the results were.

1 Q. Did you take any debris samples in any
2 other buildings, other than the two referred to in
3 Exhibit 27?
4 A. No, I did not.
5 Q. If someone questioned the constituents of
6 a debris sample in Building 53, would you use this
7 debris sample from [redacted] as a basis for any
8 opinion you might give in that regard?
9 A. What is Building 53?
10 Q. I am sorry, that was the Delta Terminal?
11 A. I don't think so, no. If I understand
12 your question, no, I would not do that.
13 Q. Why is it that you only took a debris
14 sample regarding what is alleged to be Grace
15 fireproofing from Building 67 rather than any other
16 building?
17 A. Because this was debris off of the floor
18 of the employee's locker room, and it is not a
19 normal place you find fireproofing debris.
20 Q. Was there an open ceiling in that locker
21 room?
22 A. Yes, there was.

23 Q. Where do you believe that debris on the

24 floor came from?

25 A. I think it fell from the fireproofing up

1 above or from the ceiling tiles that at one time had
2 been present in that room.
3 Q. How large a piece of debris was it?
4 A. There was quite a bit of it scattered
5 around the floor.
6 Q. The piece you took, how large a piece was
7 that?
8 A. What I did was just picked up enough to
9 fill a 35 millimeter film canister, but there was
10 considerably more than that.
11 Q. And the amount you picked up did fill a
12 35 millimeter film canister?
13 A. Yes, it did.
14 Q. If you could, let me show you what I
15 would like to mark as Ewing Exhibit 28, this is a
16 May 23, 1996 letter from Tod Dawson to William
17 Longo, appears to enclose various surface dust
18 samples.
19 (Ewing Exhibit 28 was marked for
20 identification.)
21 Q. (By Mr. Nicyper) Were all of the dust
22 samples that you collected in [redacted]

23 buildings transferred to Mr. Longo at the same time?

24 A. Yes, they were.

25 Q. And, are all of those samples reflected

1 in this document which we have marked as Exhibit 28?

2 A. All of the dust samples, I believe, are

3 in here. I haven't gone back through to verify

4 that.

5 Q. It identifies 53 surface dust samples

6 collected from [redacted] buildings. Do you

7 believe 53 is the total number of dust samples that

8 you took in those buildings?

9 A. I didn't sit there and add them up. I am

10 sure Mr. Dawson did and I didn't check it. I would

11 just add up how many are referenced.

12 Q. Is it your understanding that this

13 document refers to all dust samples you had analyzed

14 from these buildings?

15 A. Yes.

16 Q. Were there any dust samples that you took

17 which you did not send to Materials Analytical

18 Services, dust samples from these buildings which

19 you did not send?

20 A. There was one sample, I think you asked

21 me about very early on. I remember it was sample

22 number six from some building that --

23 Q. That is what I recall.

24 A. -- that was voided. That one would not

25 have been sent.

1 Q. You did not send that one because it was
2 voided because the filter was --
3 A. The nozzle had been clogged.
4 Q. The nozzle had clogged. Do you intend to
5 do any further work in this case, other than testify
6 at trial?
7 A. If I receive the air samples that we
8 discussed, I think several times during the
9 deposition, relating to maintenance and renovation
10 activities, I would intend to review those. If I do
11 not, then I don't expect that I will have
12 additional.
13 Q. We, of course, we reserve our right to
14 ask Mr. Ewing any questions should he be provided
15 additional materials in this case intended to be
16 used as a basis in whole or in part for any opinions
17 or work or to supplement any opinions or work he has
18 done in this case to date.
19 Is there anything else that you
20 anticipate that may be additional work in this case,
21 other than reviewing air sample logs or air sample
22 materials?

23 A. No, I don't believe so.

24 Q. When you inspected the buildings that we

25 have discussed thus far, do you recall during any of

1 those inspections that ceiling tiles were moved in
2 order for you to inspect fireproofing above a drop
3 ceiling?
4 A. Yes.
5 Q. Do you recall in which building that
6 occurred?
7 A. I definitely recall it having occurred in
8 the Delta Cargo Building. I am sure it occurred in
9 some other buildings, but without sitting back and
10 looking at my field notes and photographs I can't
11 really pinpoint some of the locations.
12 Probably in the old Customs Building.
13 Did not occur, I know, in Tower Air or in the toll
14 plaza. And it did not occur in the [redacted] Terminal
15 A. It did occur in the Delta World Port Terminal.
16 And I would have to look at [redacted] to
17 answer that question, my files there.
18 Q. What procedure was followed, let's take
19 the [redacted] what procedure was
20 followed in moving the ceiling tile in order for you
21 to do an inspection above that drop ceiling?
22 A. In the [redacted] to go above

23 the drop ceiling, we first identified a ceiling tile

24 that had -- that we didn't have to break to get into

25 because it was a splined type ceiling. And then

1 placed plastic on a ten foot by ten foot plastic
2 sheeting on the floor. Placed a ladder on top of
3 that.
4 I wore a respirator and a full body
5 protective suit. We did the work after hours. The
6 ventilation was shut down for the area. And,
7 someone posted to keep people out. We did not place
8 signs. Actually, the [redacted] protocol says
9 put traffic cones up, and we did not do that.
10 Q. Didn't want people to walk under the
11 ladder?
12 A. Well, in that particular building it was
13 easier just to basically lock people out of the area
14 that I was in, or put somebody in a corridor in case
15 somebody happened to be coming down the corridor.
16 But, it was at night and that never happened.
17 Q. Was any type of enclosure or tent
18 enclosure put up for that particular ceiling entry?
19 A. No.
20 Q. Were the same procedures followed, I
21 think you said Building 53, the Delta Terminal, was
22 the same procedure followed for going above the

23 ceiling in the Delta Terminal?

24 A. Yes, with the exception of, for example,

25 if there was an area outside customs arrivals, there

1 was an area that had a number, I think it was 14
2 metal pan ceiling tiles out. Did not need to put
3 down plastic and did not put a suit on. I put on a
4 respirator to look up above the area.
5 Q. I see. But where ceiling tiles were
6 removed, you did put plastic down and did put a suit
7 on?
8 A. Yes. To finish that answer --
9 Q. I am sorry, I didn't mean to interrupt.
10 A. -- there was another special circumstance
11 that makes it easy to do some inspections at that
12 particular building.
13 There are areas that have been abated,
14 and you could go to the edge of an area that had
15 been abated, and go up into the ceiling at that
16 point, and then actually look into areas that had
17 not been abated.
18 Q. Do you recall whether there were any
19 ceiling tiles moved in order for you to look above
20 the ceiling in any areas that had not been abated in
21 the Delta Terminal?
22 A. Yes.

23 Q. And the procedure you used there, I think

24 you have described, you put plastic down on the

25 floor, a ladder on top and you wore a suit and a

1 respirator to go above the ceiling?

2 A. Yes.

3 Q. And, in those circumstances, as I

4 understand it, you did not use an enclosure, or tent

5 enclosure around the area where the ceiling tile was

6 moved; is that correct?

7 A. That is correct. We did have a HEPA

8 vacuum for cleanup as well.

9 Q. Have you at any time reviewed the

10 videotape prepared by Dr. Longo and Mr. Hatfield

11 regarding ceiling tile dust and debris? It is

12 included in one of the videotapes in your collection

13 of 13?

14 A. I know which one you are talking about.

15 Yes, I have.

16 Q. Can you recall any of the ceiling tiles

17 that were moved in order for you to go above a drop

18 ceiling in any of the Port Authority buildings,

19 whether any of those ceiling tiles contained the

20 same amount of dust and debris that you saw on the

21 videotape in Dr. Longo and Mr. Hatfield's video?

22 A. The actual tile that I moved, or

23 adjoining tiles?

24 Q. Yes, the one that you moved.

25 A. I would say not usually. There was one

1 that I moved in the Delta Cargo Building underneath
2 the low-density material that had a rather
3 significant accumulation of fireproofing on it.
4 Q. So let me ask in connection with the
5 high-density material, do you recall removing any
6 ceiling tiles that contained the same quantity of
7 dust and debris that you saw on the video prepared
8 by Dr. Longo and Mr. Hatfield?
9 A. I don't recall moving any having about
10 that quantity. But, I really didn't have to move a
11 whole lot of ceiling tiles in this inspection.
12 Q. And the ceiling tiles you did remove when
13 you say didn't have about that quantity, the
14 quantity of the ones you removed, had less or a
15 smaller quantity than what you saw in that
16 videotape; is that correct?
17 A. Generally, that would be correct.
18 Q. Do you recall with respect to any high-
19 density fireproofing that you saw in the buildings
20 you inspected, do you recall seeing any ceiling
21 tiles that had as much dust and debris as the
22 ceiling tile you saw in the videotape prepared by

23 Dr. Longo and Mr. Hatfield?

24 A. Yes.

25 Q. In what buildings do you recall seeing

1 that quantity of dust and debris on ceiling tiles?
2 A. Certainly in the Delta World Port
3 Terminal. And I would have to go back and look
4 through my notes and photographs to really give you
5 a good answer to that entire question.
6 Q. Do you recall where in the Delta
7 World Port Terminal you saw that amount or quantity
8 of dust and debris? If you would like to go ahead
9 and look at your photographs, that is fine.
10 (Discussion ensued off the record.)
11 THE WITNESS: For example, photograph
12 number 15 13:35, there is a significant
13 concentration of asbestos fireproofing debris
14 on tops of ceiling tiles.
15 Q. (By Mr. Nicyper) This appears to be an
16 area where there was some structural supports added
17 above the drop ceiling; is that correct?
18 A. No, that is just the black iron for the
19 ceilings, the ceiling grid.
20 Q. The black iron, can you determine whether
21 or not that was installed before or after the
22 fireproofing was installed?

23 A. After.

24 Q. There also appears to be a cloth-like

25 material in this photograph. Do you recall what

1 that is?

2 A. It appears to be some fiberglass

3 insulation.

4 Q. There seems to be a fairly large quantity

5 of it over to the lower right-hand corner; is that

6 correct, as we are looking at this photograph, I

7 guess?

8 A. Yes.

9 Q. Do you know where that -- did that fall

10 from someplace on a ceiling above, do you recall?

11 A. I don't know why it was there. It is not

12 unusual, though, to find that.

13 Q. And are there any other photographs that

14 you find in your building, Delta Terminal, set of

15 photographs that has the same quantity of dust and

16 debris as you saw on the videotape by Dr. Longo and

17 Mr. Hatfield?

18 A. Well, there is photograph 15 12:35. And,

19 I would say I don't know the actual quantity that

20 was in the videotape, but it would seem that this

21 would be somewhat comparable to it.

22 Q. On that same ceiling tile that you have

23 identified in 15 12:35 photograph, there also appear

24 to be some metal pieces and some metal hooks there

25 and things; is that correct?

1 A. Photograph 15 12:35 is not a ceiling
2 tile.
3 Q. Okay.
4 A. And your question earlier was ceiling
5 tiles but now was any amount, so I thought --
6 Q. I see. I did not mean to go away from
7 ceiling tiles. What was that area that you have in
8 that photo, is that a duct?
9 A. That is the top of an air duct, yes.
10 Q. Have there been work done above it, or
11 are those metal pieces on top of the duct from work
12 that had been conducted somewhere above that duct?
13 A. Well, the metal pieces I see just appear
14 to be the hanger straps for the duct. I don't know
15 the maintenance history of the area.
16 Q. Do you see any other ceiling tile
17 photographs that fit the description that we just
18 discussed?
19 A. On photographs 10:47 and 10:46, I believe
20 it is 10:46 is ceiling tiles and 10:47 -- I would
21 have to look them up exactly what they are. But,
22 when you open up the ceiling, that is what you see.

23 And it would be my opinion that that would be

24 considerably more than what you would see in the

25 Hatfield video.

1 Q. And, do you recall that the material you
2 see on 10:46 had actually been dislodged or scraped
3 from the fireproofing above in order to install
4 equipment?
5 A. It is my opinion that the material, the
6 fireproofing, had delaminated from the beam up above
7 that.
8 Q. When you say delaminated, what was the
9 cause, in your mind, of the delamination?
10 A. Loss of adhesion between the fireproofing
11 and the metal beam itself.
12 Q. What is the basis for your conclusion?
13 A. Touching the fireproofing and noting that
14 there was a gap between fireproofing where it had
15 separated right at this point, and seeing sections
16 missing.
17 Q. You are referring there to photograph
18 10:45, which appears to have a beam with
19 fireproofing on it, and then some areas where there
20 is no fireproofing that appears to be covered with
21 rust; is that correct?
22 MR. JEKEL: Objection to the form of

23 the question.

24 A. Yes, that is correct.

25 Q. Do you know whether

1 there was any water damage in that area?
2 A. It appears that there may have been some
3 water damage to the fireproofing, but it is unclear
4 where that could have come from.
5 Q. And, go ahead and complete your review
6 and tell me if you find any other ceiling tiles with
7 the same quantity of dust and debris as you viewed
8 on the videotape by Dr. Longo and Mr. Hatfield?
9 MR. JEKEL: Just the Delta World Port,
10 or do you want him to go through all of the
11 photos.
12 Q. (By Mr. Nicyper) Let's just do the Delta
13 World Port for now.
14 A. Photograph 15 9:59 photograph 15 9:29.
15 Photograph 15 15:05. And I am not positive if that
16 is a ceiling tile or another surface adjoining a
17 ceiling tile. Photograph 15 16:19. And again, I
18 can't say positively whether that is a ceiling tile
19 or not. And, I think that is it.
20 Q. Looking at photograph, the one that you
21 identified there, 15 9:29, in your estimation, that
22 is the same amount of dust and debris that you saw

23 in the ceiling tile in the Dr. Longo and

24 Mr. Hatfield videotape?

25 A. Well, I don't know how much was on that

1 ceiling tile in that videotape.

2 Q. You have seen it, though?

3 A. I have seen the videotape, yes. And, I

4 really can't say whether -- what it is.

5 Q. In this photograph 15 9:29 there appears

6 to be some debris. Is there any visible dust on

7 that ceiling tile?

8 A. There is dust on the tile, it is not

9 visible in the photograph, no.

10 Q. In fact, you can see the tile itself, you

11 can see it has little indentations and things like

12 that fairly clearly in this photograph; is that

13 correct?

14 A. I guess so.

15 Q. In your estimation, would you say the

16 amount of dust on the ceiling tile in the

17 Hatfield/Longo video is representative of the

18 majority of ceiling tiles you saw in high-density

19 fireproofing buildings in this case?

20 MR. JEKEL: Objection to the form of

21 the question.

22 A. Did you say the amount of

23 dust or the amount of debris?

24 Q. Let's first start with

25 the amount of dust?

1 A. I can't tell from looking at the video
2 the quantity of dust that is on the surface of that
3 to begin with.
4 Q. So you don't feel you are capable of
5 providing such a conclusion?
6 A. Well, I know that a lot of the ceiling
7 tiles in the buildings underneath the high-density
8 material had a very significant layer of dust,
9 visible layer of dust. So, I am assuming they are
10 both dusty ceiling tiles. To complete the answer, I
11 think in general, the ceiling tiles, if you averaged
12 it out that I looked at, usually had less than what
13 appeared on the videotape.
14 Q. Is that also true with respect to the
15 amount of debris?
16 A. Isn't that what I just said or did I --
17 Q. Maybe that was -- was your answer
18 concerning dust and debris?
19 A. Well, I was saying that for dust I really
20 can't say. There is a dusty tile, and in the
21 videotape -- and I looked at dusty tiles, I really
22 can't quantitate visually. I wasn't trying to, at

23 the time I inspected the buildings, make any sort of

24 comparison against that videotape. And I am not

25 even sure if that videotape existed at that time.

1 As far as debris, it appeared that there
2 was more debris than on average I would have found
3 in the buildings I looked at under the high-density
4 material, that would not apply to the low-density
5 material in Delta Cargo Terminal.
6 Q. As I understand from what you are saying
7 then, the amount of debris you saw on the
8 Hatfield/Longo videotape ceiling tile was more than,
9 on average, you saw on ceiling tiles under high-
10 density debris on the ceiling tiles you looked at in
11 this case; is that correct?
12 A. On average, I think that would be
13 correct.
14 Q. For any of the buildings we have
15 discussed over the last couple of days, did you
16 review any maintenance records for those buildings?
17 A. I did not review any maintenance records.
18 Q. Did you see any maintenance schedules
19 regarding those buildings?
20 A. No, I did not.
21 Q. Do you have an opinion with respect to
22 when asbestos-containing fireproofing begins to

23 release -- in-place material, begins to release

24 structures or fibers?

25 A. I think it begins to release structures

1 shortly after it is cured.

2 Q. And by cured, you mean curing upon

3 installation?

4 A. Yes.

5 Q. And when you say shortly after, is that

6 within a year?

7 A. I would expect that, yes.

8 Q. Do you anticipate giving any opinions in

9 this case regarding health risks from asbestos

10 exposure?

11 A. I expect all of my opinions will be

12 related to the risk of exposure to asbestos. I

13 assume there will be others who will talk about

14 asbestos-related disease and that type of thing.

15 Q. Do you anticipate giving opinions

16 regarding health effects of exposure to asbestos?

17 A. I would not anticipate giving any

18 opinions that would go beyond what an industrial

19 hygienist might give opinions on.

20 Q. Are you aware of any cases documented in

21 the medical or scientific literature of Mon-kote-3

22 with chrysotile asbestos having caused an

23 asbestos-related disease to --

24 A. I have lost that.

25 Q. Are you aware of any cases documented in

1 the medical or scientific literature of Mon-kote-3
2 having caused an asbestos-related disease to a human
3 being after the product was in place in a public
4 building?
5 MR. JEKEL: Objection to the form of
6 the question.
7 A. No.
8 Q. Are you aware of any
9 cases documented in the medical or scientific
10 literature of anybody developing an asbestos-related
11 disease as a result of exposure to chrysotile
12 asbestos at the levels found inside a public
13 building?
14 MR. JEKEL: Objection to the form of
15 the question.
16 A. I didn't come to this
17 deposition prepared to answer that question,
18 and right now I would have to say I cannot
19 answer that.
20 Q. (By Mr. Nicyper) As you sit here today,
21 are you aware of any?
22 A. At levels found in public buildings? I

23 am aware of some, but I can't give you a specific

24 citation as we sit here.

25 Q. Are you aware of any documented case in

1 the medical or scientific literature of a human
2 being developing an asbestos-related disease from
3 exposure in public buildings to chrysotile asbestos
4 at a level of less than .01 fibers per cubic
5 centimeter?
6 MR. JEKEL: Objection to the form of
7 the question.
8 A. I am really having
9 trouble with the question.
10 Q. What is it about the question
11 that is causing you trouble?
12 A. Well, it is kind of -- by the time you
13 get to the end I have missed the beginning.
14 Q. Okay. Let me see if I can go through it
15 again a little more carefully.
16 A. If you can break it up into smaller
17 questions. You are asking me if there is --
18 Q. A documented case in the medical or
19 scientific literature of a person, a human being,
20 having developed an asbestos-related disease from an
21 exposure in a public building at a level of --
22 exposure to chrysotile asbestos in public building,

23 at a level of less than .01 fibers per cubic

24 centimeter?

25 MR. JEKEL: Object to the form of the

1 question.
2 A. Well, by wording your
3 question in such a way, I am not aware that
4 anyone has ever written an article that
5 includes all of the parameters within your
6 question.
7 Q. So your answer would be
8 no, you are not aware of such a documented case; is
9 that correct?
10 A. I am not aware of such an article that
11 includes a discussion or all of the items that is in
12 your question.
13 Q. And, therefore, you are not aware of a
14 documented case in the medical/scientific
15 literature --
16 MR. JEKEL: I think he has answered
17 that question the best he can. I will let
18 you ask it again --
19 MR. NICYPER: Well, you have already
20 interrupted me, so you haven't let him answer
21 the question. If you have an objection to
22 form, go ahead and state it.

23 Q. Is your answer --

24 A. Maybe I can answer it. I am certainly

25 well aware of a number of articles that discuss

1 cases of low-level exposure to asbestos, including
2 chrysotile asbestos. But the way you have worded
3 your question, I think you have effectively
4 eliminated all the articles that I am aware of.
5 MR. JEKEL: That wouldn't have been his
6 intent.
7 MR. NICYPER: Again, counsel, if you
8 have an objection to form, please state it.
9 MR. JEKEL: All right.
10 Q. (By Mr. Nicyper) So you are not aware of
11 a documented case in the circumstances I just asked
12 in my question; is that correct?
13 MR. JEKEL: And I would object to the
14 form of the question.
15 THE WITNESS: I don't understand your
16 question.
17 Q. If I understand your
18 answer, you are not aware of a case that has been
19 documented in the medical or scientific literature
20 in the circumstances I described in my question; is
21 that correct?
22 MR. JEKEL: I object to the form of

23 this question.

24 THE WITNESS: I will have to ask you to

25 read your question again, please.

1 Q. Question is: Are you away
2 of any case in the scientific or medical
3 literature, documented in that literature, of a
4 human being, a person developing an asbestos-related
5 disease from exposure in public buildings to
6 chrysotile asbestos at a level of less than .01
7 fibers per cubic centimeter?
8 MR. JEKEL: Objection to the form of
9 the question.
10 A. I am aware of such cases
11 in the medical and scientific literature in
12 which the concentration of asbestos is not
13 stated, because most people that develop
14 asbestos-related diseases, on average, takes
15 more than 30 years, and I am not aware that
16 people were doing air sampling in buildings
17 30 years ago for asbestos from
18 asbestos-containing materials.
19 So, I am aware of articles that have
20 all of those parameters in there, but simply
21 don't state a concentration.
22 Now, if I am only permitted to answer

23 the question if the article has to state a

24 concentration, then you have effectively

25 excluded the medical and scientific

1 literature.
2 Q. Okay. Let me ask you, the articles
3 to which you are referring, are they
4 included in your list of reliance materials in this
5 case?
6 A. No, they are not.
7 Q. Based on your inspection of the buildings
8 you have looked at in this case, is it your opinion
9 that those buildings are unsafe for building
10 occupants who work in them?
11 MR. JEKEL: Objection to the form of
12 the question.
13 A. You mean for normal
14 building occupants excluding maintenance and
15 renovation workers and that type of thing?
16 Q. Yes, let's first take
17 that, excluding maintenance and renovation worker.
18 A. Yes, I think they are.
19 Q. They are unsafe?
20 A. No. I am sorry, I may have
21 misunderstood.
22 Q. My question is, is it your opinion that

23 the buildings are safe for such occupants, other

24 than renovation and maintenance workers?

25 A. Yes.

1 Q. And, based on your inspection of the
2 buildings in this case, is it your opinion that
3 these buildings are safe for patrons and travelers
4 who use the buildings from time to time?
5 MR. JEKEL: Objection to the form of
6 the question.
7 A. Yes.
8 Q. In your opinion, is it
9 necessary to warn occupants, patrons, travelers,
10 with respect to any risk to their health and safety
11 based on what you have seen in the buildings when
12 you visited them?
13 MR. JEKEL: Objection to the form of
14 the question.
15 A. If you can break that one
16 up, I can answer it.
17 Q. Okay, let's take one at
18 a time. In your opinion, based on what you have
19 seen in these buildings, is it necessary to warn
20 building occupants that they are at risk to their
21 health and safety?
22 MR. JEKEL: Objection to the form of

23 the question.

24 A. May I explain my opinion

25 on this, I am having trouble with --

1 Q. What is your opinion,
2 first?
3 A. -- trouble with the question. It is not
4 my opinion -- I do not believe that it is necessary
5 to provide warning to visitors to these buildings or
6 travelers who are passing through these buildings.
7 I do believe that notification should be
8 provided to building occupants within the building,
9 and it depends on the scope of work that the
10 building occupant does as to what degree of warning
11 would be appropriate for them.
12 Q. Let's take, for example, office workers.
13 In your opinion, is it necessary to warn them that
14 they are at risk to their health and safety?
15 A. Well, you keep asking to me a two-part
16 question. I think it is necessary to warn them, or
17 to provide them notification.
18 For example, in the Delta Cargo Building,
19 you have a lot of office workers in that building.
20 They should be warned, in my opinion, that the
21 asbestos is present above there. They should be
22 warned that if they see ceiling tiles lying on the

23 floor, they should be told not to disturb it, to

24 leave the area, and who to call.

25 They should be warned not to use anything

1 above about a one iron in the driving range. Where
2 the warning provided to the people working in the
3 maintenance shops under the high-density material
4 would be -- they should be notified that the
5 material directly above them is asbestos-containing
6 fireproofing and that if they -- they should not do
7 dry dusting or dry sweeping of their shop; and
8 particularly if they notice visible pieces of debris
9 or dust accumulations, who they should notify so it
10 can be properly cleaned up because they are not
11 allowed to clean it up.
12 That is the kind of thing I am talking
13 about. I hope I have answered your question.
14 Q. I see. Are there any other notifications
15 that, in your opinion, should be provided to
16 individuals who work in these buildings?
17 A. Well, the notification to service
18 workers, maintenance workers, custodians, tradesmen,
19 is a whole different set of notifications, and I
20 think most of that is covered under the O & M
21 program.
22 I don't know what Delta does for their

23 service workers that come in. And, the amount of

24 training that would be necessary as generally

25 covered by the various state and city laws and the

1 Federal OSHA regulation.
2 Q. If the building's occupants and workers
3 conduct their activities in accordance with what you
4 have seen in your reliance materials in Exhibit 11,
5 the operations and maintenance materials in that
6 section, is it your opinion that those workers would
7 not be at risk --
8 MR. JEKEL: Objection to the form of
9 the question.
10 MR. NICYPER: I haven't finished the
11 question.
12 MR. JEKEL: I am sorry.
13 Q. -- from asbestos
14 exposure in the buildings in which they work?
15 MR. JEKEL: Would you read that again.
16 Risk from or risk to? How was the question
17 worded?
18 A. If I can ask a question
19 that might -- I don't understand the question
20 because I don't know which people you are
21 talking about.
22 Q. Let me rephrase the

23 question, save the court reporter from having to go

24 back and track all of this.

25 If workers in the building --

1 A. That is my problem right there.
2 Q. If maintenance workers in the building
3 and occupants in the building conduct their
4 activities in accordance with the operations and
5 maintenance materials contained in the materials
6 that are described in Item 11 of your reliance
7 materials, are those individuals at risk to their
8 health or safety from exposure to asbestos in the
9 buildings?
10 MR. JEKEL: Objection to the form of
11 the question.
12 A. I think if the
13 maintenance personnel and the occupants
14 adhere strictly to the O & M procedures, it
15 would greatly reduce their risk of exposure
16 to asbestos.
17 Q. And, would it reduce
18 their risk of exposure to a level that was not
19 significant exposure?
20 MR. JEKEL: Objection to the form.
21 A. If they were to adhere to
22 it strictly, I think those classes of

23 individuals would --

24 Q. Would not have a

25 significant risk of exposure?

1 MR. JEKEL: I think you ought to let
2 Bill Ewing finish the answer.
3 MR. NICYPER: Mr. Jekel, it appeared to
4 me the witness had finished the answer. And
5 I would appreciate your not interrupting the
6 examination.
7 Go ahead and add to your answer.
8 MR. JEKEL: If you need to.
9 MR. NICYPER: You just said he needed
10 to.
11 MR. JEKEL: I thought he did.
12 THE WITNESS: I think it was would, I
13 was agreeing, that it would limit their
14 exposures to not being a significant increase
15 in exposure.
16 Perhaps a short break would help.
17 MR. JEKEL: I mean, we are starting to
18 get late, are you almost done?
19 MR. NICYPER: I am almost done.
20 MR. JEKEL: Will you finish before
21 three so we can get Cal in two hours?
22 MR. NICYPER: I hope to.

23 MR. JEKEL: Okay. Can you wait a few

24 minutes?

25 THE WITNESS: Yeah.

1 Q. (By Mr. Nicyper) Do you know whether or
2 not the Port Authority has a protocol that must be
3 followed when ceiling tiles are moved in order to go
4 above the ceiling?
5 A. Yes.
6 Q. Have you seen a written protocol in that
7 regard?
8 A. Yes.
9 Q. Do you know that that protocol was
10 followed when you or others with you moved ceiling
11 tiles in order for you to conduct your inspection?
12 A. Yes. Your question before was have I
13 seen that protocol. There is more than one
14 protocol. We followed the one appropriate for the
15 work we were doing.
16 Q. You said you have seen the ceiling tile
17 videos prepared by Dr. Longo and Mr. Hatfield. Was
18 the activity that is portrayed in that video
19 regarding ceiling tiles, did that follow the
20 protocol which you are familiar with for the
21 Port Authority regarding the movement of ceiling
22 tiles?

23 A. At least one of the videotapes I saw

24 followed the protocol that would be followed in the

25 Port Authority under one of the Port Authority

1 protocols. Another one would not have followed all
2 of the procedures.
3 Q. Which is the one you saw that would have
4 followed one of the Port Authority protocols?
5 A. Where they scored the spline tile ceiling
6 and opened that ceiling.
7 Q. And what Port Authority protocol permits
8 activity to be conducted in the way it was conducted
9 in the videotape?
10 A. Well, to open the spline tile ceiling,
11 unless you are at one of the key tiles, there is no
12 other way but to cut open the first tile, and that
13 is what was depicted on the video that I saw.
14 Q. And under the Port Authority protocol,
15 what steps should be taken, and precautions taken,
16 to reduce the number of fibers released into the air
17 that the building occupants may breathe?
18 A. Well, for that particular type of tile,
19 there just isn't much you can do about it. You
20 can't get above the ceiling for the first tile to
21 vacuum it, or to wet it down or anything like that.
22 It is not like a drop ceiling that you can lift and

23 vacuum the T-grid. That first tile, there really

24 isn't much you can do about it.

25 Q. To your understanding, does the

1 Port Authority protocol in that circumstance require
2 constructing a tent enclosure?
3 A. If you are going to do maintenance work,
4 then you are to construct a -- as I said, there are
5 two Port Authority protocols, one is a tent
6 enclosure and one is not. And so if you are going
7 to do a maintenance activity, then you should
8 construct a mini-enclosure.
9 Q. And is it your understanding if you are
10 not doing a maintenance activity and you are moving
11 a ceiling tile you do not need to construct a
12 mini-enclosure?
13 A. Yes, that is correct.
14 Q. So, if, in fact, --
15 A. I should say it depends on what the
16 activity is. But, assuming, for example, you are
17 simply going to do an inspection, for example, to
18 determine whether a valve was turned on or off, then
19 as I understand it, the two protocols, that one
20 could be -- that activity could be done without the
21 mini-enclosure.
22 Q. So, if individuals conducted an

23 inspection, such as you had in these buildings, at

24 which time ceiling tiles were removed, under the

25 Port Authority protocol, constructing a tent

1 enclosure was unnecessary, is that correct?
2 A. That is my understanding, yes.
3 Q. Regarding the other videotape prepared by
4 Dr. Longo and Mr. Hatfield where a ceiling tile was
5 taken out and dust and debris was poured off of it
6 and the ceiling tile banged on the top of an
7 individual sitting in a chair, was that consistent
8 with any protocol with which you are familiar at the
9 Port Authority?
10 A. I am not very fond of that tape or Rich
11 Lee's ridiculous pulverization thing. I think they
12 are both demonstrations that serve no useful purpose
13 to me. I don't intend to rely on it, on that tape,
14 for my testimony.
15 Q. But just answer my question. Was that
16 tape inconsistent with the Port Authority's protocol
17 regarding movement of ceiling tiles?
18 A. I believe it is, yes.
19 Q. Has anybody asked you to give an opinion
20 or evaluate the Port Authority's abatement plans or
21 programs?
22 A. You did.

23 Q. Has anybody other than me asked you to do

24 that?

25 A. Mr. Bleach did ask me when I was going

1 through the buildings if I saw something that needed
2 to be addressed, not to hesitate to bring it up, and
3 I did, and that was what I think you have marked as
4 Exhibit 16, a summary of those items. I have not
5 been asked to provide a formal evaluation to the
6 Port Authority of their overall program.
7 Q. Have you reviewed the Port Authority's
8 future abatement cost estimates?
9 A. No, I have not.
10 Q. Have you seen any plans regarding
11 abatement areas which the Port Authority has mapped
12 out for potential -- strike that.
13 Have you seen any future cost abatement
14 areas that the Port Authority has designed in
15 connection with this litigation?
16 A. I think I can safely say no, because I
17 don't understand what you are referring to.
18 Q. Have you seen any drawings that identify
19 areas in a building which the Port Authority
20 designated as an abatement area to be abated in the
21 future in connection with this litigation?
22 A. Again, no, I haven't.

23 Q. Have you assisted the Port Authority in

24 developing any operations and maintenance plans or

25 procedures?

1 A. No, I don't think so.
2 Q. Have you done, in this case, any
3 analysis, similar to the one you had done in the
4 Los Angeles Unified School District case, concerning
5 what you referred to there as associated costs?
6 A. No, I have not.
7 Q. Do you anticipate giving any opinions in
8 this case that specifically pertain to damages?
9 A. As far as actual cost estimates and this
10 type of thing? No.
11 Q. I take it then you have not made a study
12 of the Port Authority's overall expenditures
13 regarding asbestos; is that correct?
14 A. That is correct.
15 Q. And, you have not been asked to do any
16 financial analysis in this case; is that correct?
17 A. That is correct.
18 Q. Do you anticipate doing either of those
19 things in this case?
20 A. No, I do not.
21 Q. You have mentioned earlier that it was
22 your belief or you characterized the Rich Lee

23 pulverization experiment as ridiculous. Why do you

24 believe that or why did you characterize it as

25 such?

1 A. Well, the whole issue of is Mon-kote-3
2 friable or not or can it release fibers, is to me is
3 just ridiculous. There must be tens of thousands of
4 samples taken from abatement projects abating this
5 product. And we know full well that it causes
6 exposure.
7 And if W. R. Grace truly believes it
8 cannot release respirable fibers from that product,
9 then I think they are obligated to go to OSHA with
10 that data and declare that under the new OSHA
11 standard, which they are certainly allowed to do,
12 and that way we never have to worry about it
13 anymore.
14 If a manufacturer provides that
15 certification, then what are we all doing here if
16 that is really true. I mean, to me it is crazy.
17 Q. Many people have asked some of the same
18 questions.
19 Is it your understanding that the Rich
20 Lee pulverization tape shows release of no fibers?
21 A. I don't know what it shows, to be quite
22 frank with you. I don't even understand the purpose

23 of it.

24 Q. Your characterization then of it was

25 based on what you just described?

1 A. I mean, I have seen results, asked to
2 look at this, and if you have a copy, I will be glad
3 to look at it with you again, but it has been a
4 while, and I don't recall the numbers as we sit
5 here.
6 Yes, there were some structures found, as
7 I understand it. Yet at the same time I read this
8 stuff that there are no respirable fibers can be
9 released from this product. Well, if that is true,
10 then what is the whole point of us being here.
11 Q. Where have you read that?
12 A. Well, that is what I read in Dr. Lee's
13 report in a different case. I don't know if it is
14 appropriate for me to cite that here.
15 Q. Do you recall what case it was?
16 A. In the Prudential case.
17 Q. And that was your understanding of his
18 report in that case?
19 A. Well, that is what I read.
20 MR. NICYPER: Why don't we go ahead and
21 take a break.
22 (A recess was taken.)

23 (Ewing Exhibits 29 through 33 were

24 marked for identification.)

25 Q. (By Mr. Nicyper) Mr. Ewing, let me show

1 you a document which I have marked as Exhibit 29.
2 This is an August 6, 1993 letter from Archibald Cox
3 to David Ziegler. This is a document you provided
4 to us today at the deposition; is that correct?
5 A. It is the same document. I think I
6 provided a different one. But, it is the same
7 document.
8 MR. JEKEL: Off the record.
9 (Discussion ensued off the record.)
10 Q. (By Mr. Nicyper) But in any event, this
11 is the document referred to in Item 17 of your
12 reliance materials; is that correct?
13 A. Yes, it is.
14 Q. Let me show you documents that have been
15 marked as Exhibit 30, which is a one-page letter
16 from William Ewing to Donna Austin dated June 19,
17 1996 enclosing two notebooks. That is a letter you
18 sent regarding notebooks you had pertaining to your
19 anticipated testimony in this case; is that correct?
20 A. Yes, that is right.
21 Q. And, that is a document that you provided
22 to us during this deposition from your files; is

23 that correct?

24 A. Yes.

25 Q. Let me show you a document that I have

1 asked the court reporter to mark as Exhibit 31.
2 This is a multiple page document, refers to -- let
3 me ask you what it refers to?
4 A. The New York State regulations for
5 asbestos.
6 Q. And, this is the document you produced
7 from your files; is that correct?
8 A. Yes.
9 Q. Let me show you a document marked as
10 Exhibit 32, which I believe also is produced from
11 your files, and this is titled Asbestos Regulation
12 in New York State by the New York State Department
13 of Health and New York State Department of Labor,
14 and this attaches a regulation; is that correct?
15 A. Exhibit Number 32 is actually a summary
16 of those regulations, yes.
17 Q. And, that was produced from your files;
18 is that correct?
19 A. Yes.
20 Q. And finally, let me show you what we have
21 marked as Exhibit 2, this is the first few pages of
22 a text you provided to us from your files titled The

23 Official Compilation of the Rules of the City of

24 New York, Volume 5, Environment, Titles 15 through

25 18. Do you see that?

1 A. This is Exhibit 32. Yes.

2 Q. Yes. 32 which we have marked in this

3 deposition. And, that is the regulations you have

4 that are the city regulations pertaining to

5 asbestos-containing materials; is that correct?

6 A. That is correct. The exhibit, I think,

7 is the cover of that book.

8 Q. Yes. And, that book in its entirety is

9 your volume of New York City regulations pertaining

10 to asbestos; is that correct?

11 A. That is correct.

12 MR. JEKEL: Just for the record, she

13 has got two 32's, the last one should be 33.

14 If I am reading them correctly. I am reading

15 them upside-down.

16 MR. NICYPER: Thank you very much. I

17 have no further questions.

18 THE WITNESS: Thank you.

19 EXAMINATION

20 BY MR. ANDERSON:

21 Q. Good afternoon. My name is Cal Anderson,

22 we have spoken a few times over the last few days,

23 but this is the first opportunity I have had to ask

24 you any questions.

25 I would like to back up for just a minute

1 and go back to 1994, the December 20, 1994, that was
2 your first trip to the World Trade Center in
3 connection with this litigation; is that correct?
4 A. Yes, that is correct.
5 Q. And, you stayed in New York for one day
6 and left that same night; is that correct?
7 A. I think I came up in the morning, met
8 Mr. Bleach at the Newark Airport, and I believe he
9 drove me back to the airport that evening.
10 Q. And, Mr. Bleach took you to One
11 World Trade Center, the 68th floor, and there you
12 met with people from the law department and the
13 asbestos litigation task force; is that right?
14 A. I met with people I said earlier. I am
15 not sure which department they were in. I think at
16 least one was an attorney.
17 Q. And that was Mr. Bialik?
18 A. I think that is correct. I am not sure
19 what Mr. Serge Benjamin's role was.
20 Q. And what was the purpose of your getting
21 together that day?
22 A. I think they wanted to meet me and talk

23 to me about being a witness in this litigation, or

24 in this case. I think they had reviewed my CV and

25 seemed to know a little bit about who I was. It

1 also gave me a chance to review some drawings and
2 documents about some of the buildings.
3 Q. Okay. Did they show you any documents
4 that relate to the World Trade Center that day?
5 A. I didn't make a note of it.
6 Q. And you have no present recollection of
7 reviewing World Trade Center documents on that day?
8 A. I don't recall doing that, no.
9 Q. Did you observe any asbestos-containing
10 materials at the World Trade Center on December 20,
11 1994?
12 A. No, I don't think so.
13 Q. And did you form any opinions regarding
14 the condition of the fireproofing at the World Trade
15 Center December 20, 1994?
16 A. No.
17 Q. And correct me if I am wrong, but I
18 believe that the next time you visited the
19 World Trade Center was May 13, 1996, is that right?
20 A. That is correct.
21 Q. And did you do any work on this case
22 between December 20, 1994, and May 13, 1996?

23 A. I think I reviewed some bulk sampling

24 documents. And I am sure I talked to Mr. Bleach and

25 probably someone from the Ness Motley firm regarding

1 which buildings I would go to look at, approximate
2 size of those buildings, the accessibility of those
3 as far as whether they are accessible at day or at
4 night, to get an idea of what equipment to bring and
5 how much sampling equipment, how long it would
6 take. That is really all I recall.
7 (Ewing Exhibit 34 was marked for
8 identification.)
9 Q. (By Mr. Anderson) Let me show you a copy
10 of what I believe to be your field notes dated
11 May 13, 1996, consisting of 16 pages, marked
12 Exhibit 34 for identification. Do you recognize
13 that?
14 A. Yes, these are my field notes.
15 Q. And I would like to go through your
16 activities of May 13, 1996 at the World Trade
17 Center, and you may refer to the field notes, or
18 anything else to refresh your recollection if need
19 be.
20 The first full paragraph states that you
21 arrived at, I take it, at the One World Trade Center
22 at 1:30 p.m., and you met with Kevin Bleach and

23 Danny, who is Danny Ng; is that right?

24 A. Yes. N G didn't come out on the copy.

25 Q. Keith Murphy, Serge Benjamin, and it says

1 also Frank and Ezra. Ezra is Ezra Bialik?

2 A. Yes.

3 Q. And who is Frank? Do you have a last

4 name for Frank?

5 A. No. But Frank was helping put together

6 the drawings, I think. I didn't know his last name.

7 Q. Assembling the drawings for you to look

8 at?

9 A. Yes.

10 Q. And then the second full paragraph refers

11 to the subground levels, the basement levels, floors

12 [redacted]. Do you

13 see that?

14 A. Yes.

15 Q. Is the information contained in that

16 paragraph something that was told to you or

17 something that you observed yourself?

18 A. I did go into those levels, some of those

19 levels, not all of them, but was told that what is

20 the -- the information that is in there is what was

21 told to me. I think by Kevin Bleach.

22 Q. Did you make observations of fireproofing

23 in the subbasement levels?

24 A. No, I did not.

25 Q. What was the purpose for going into the

1 basement levels?

2 A. Park the car.

3 Q. Anything else?

4 A. That was really the purpose to go in

5 there. As I understood it from Mr. Bleach, the

6 fireproofing that does remain was not accessible to

7 be inspected.

8 Q. Your inspection really began in the 6th

9 floor catwalks, is that true?

10 A. Yes.

11 Q. Who selected the areas of the World Trade

12 Center that you would observe?

13 A. I think it was Mr. Bleach, as far as

14 which floors were available to go onto, that type of

15 thing.

16 Q. Was there any discussion with respect to

17 what floors or what areas you would observe?

18 A. I really don't recall anything about

19 that.

20 Q. And, when you went to the 6th floor

21 catwalk area, who was present besides yourself

22 during that inspection?

23 A. Myself and Mr. Dawson actually went

24 around on the catwalks. I think Danny Ng and Keith

25 Murphy were also present but were not out on the

1 catwalks with us.

2 Q. Were any attorneys present?

3 A. No.

4 Q. And what role did Danny Ng and Keith

5 Murphy play with respect to that inspection?

6 A. Basically arranged for access to the

7 various floors. And, for example, the catwalks had

8 to have a security person unlock the doors. And, I

9 think there was also a maintenance person present.

10 Q. What equipment, if any, did you take with

11 you in that inspection?

12 A. Respirator, protective suit, video

13 camera, flashlights, two sampling pumps.

14 Q. Air sampling pumps?

15 A. They were air sampling pumps, but they

16 are used to collect the dust samples. Dust sampling

17 cassettes. The template for the dust samples, or

18 templates, one for each cassette. Some bulk sample

19 containers. Precut plastic sheeting. Asbestos

20 disposal bags. Sorted tools, screwdrivers and so

21 on, that might be necessary to get into particular

22 locations. I am sure there were some other smaller

23 items, but that was most of it.

24 Q. Did Mr. Dawson and Mr. Ng and Mr. Murphy

25 all wear respirators and suits?

1 A. Mr. Dawson and I were the only ones that
2 went into the catwalks, they remained outside and
3 did not wear respirator suits.
4 Q. Towards the top of Page 2 there is the
5 figure of 14:54 on Page 2 of your field notes,
6 towards the top.
7 A. Yes.
8 Q. Do you see that? Does that refer to the
9 time?
10 A. It is actually referring to a photograph
11 taken at 2:54 in the afternoon.
12 Q. 2:54 in the afternoon.
13 A. And it is actually photograph 14:53, just
14 to make it a little bit more confusing.
15 Q. And, you took some video when you were
16 present in this 6th floor catwalk area, is that
17 true?
18 A. Yes.
19 Q. Has that video been edited in any way?
20 A. I certainly don't think so but I didn't
21 edit it in any way.
22 Q. About a third of the way down there is a

23 paragraph on Page 2 of this exhibit that states:

24 "Fireproofing is typical of Cafco-like with a thin

25 coating of whitish color."

1 What can you tell me about the thin
2 coating of whitish color that was on the material,
3 the fireproofing material?
4 A. Well, if you look at photograph 14:53,
5 that was the purpose of that photograph was to show
6 what appeared to be some type of a spray encapsulant
7 or coating or something that had been placed on the
8 fireproofing.
9 Q. 14:53?
10 A. Yes.
11 Q. Is that the photo?
12 A. Yes, that is it.
13 Q. And, where is the coating in that
14 photograph?
15 A. Perhaps the color in this one is a little
16 better. But, here you see what I was referring to
17 as typical Cafco-like appearance. And then on the
18 surface it appears a different or whiter color.
19 That is the coating I was referring to.
20 Q. Did you make any attempt to determine
21 what the composition of the coating?
22 A. No.

23 Q. Did you ask anyone about the coating?

24 A. If I did, I didn't make a note of it.

25 Q. Do you know the purpose of the coating?

1 A. No, I don't.
2 Q. Do you have any information regarding
3 when the coating was applied?
4 A. No, I don't.
5 Q. How much time do you spend on the 6th
6 floor catwalks?
7 A. About an hour and a half.
8 Q. And, did you determine that by the
9 photograph numbers?
10 A. Primarily the photograph log, yes.
11 Q. Because the photo number corresponds to
12 the time of day, right?
13 A. Yes.
14 Q. So you would know when the earliest,
15 first photograph was taken in that area and the last
16 photograph; is that right?
17 A. Yes. Except I went to the catwalks was
18 the first place we went to. And I went to their
19 offices at 1:30. I think we got the drawings and
20 left almost immediately to go to the catwalks. And
21 I think I was in the catwalks by 2 o'clock but
22 didn't actually start taking any photographs until

23 after I had gone around and sort of looked at the

24 area.

25 Q. Did you observe the entire 6th floor?

1 A. I think I can say I observed all that was
2 accessible. I mean, I saw all four corners of the
3 floor. There are some areas that the catwalks
4 really don't go to. But, anywhere the catwalks went
5 to, I went to.
6 Q. And, what percentage of the floors were
7 accessible by catwalks?
8 A. I would say about 50 percent.
9 Q. Can you describe the layout of the 6th
10 floor, what is there, where is it located, what is
11 located?
12 A. The catwalk area?
13 Q. The 6th floor catwalk area? What is
14 there besides catwalks?
15 A. Air handlers, primarily. The lighting
16 for the lobby area located beneath the catwalks
17 underneath that floor. Of the utilities, electrical
18 conduit, piping. It is more of like a mechanical
19 mezzanine space.
20 Q. Is it all one room? Can you see all
21 40,000 square feet?
22 A. Not from just a particular location, you

23 can't. There is a central core area that you -- is

24 not really part of the catwalk space. The catwalk

25 is more like a doughnut that goes around it.

1 Q. The core area being where the elevator
2 shafts are located?
3 A. Yes. I guess the best way to describe it
4 is if you were standing in the lobby of One
5 World Trade Center and walked around all of the
6 elevator banks, anywhere you looked up you would be
7 looking up at the 6th floor catwalk area.
8 Q. Did you make any determination
9 regarding -- let me strike that for a moment.
10 What is the lighting system, if any, in
11 the catwalk area?
12 A. Well, you have a lot of lighting up there
13 that is meant to illuminate the lobby area that are
14 accessed from those catwalks; if they need to be
15 changed out or something like this. Not the
16 chandeliers, but the -- at least I don't think the
17 chandeliers are.
18 Q. I meant the lighting to eliminate the 6th
19 floor area?
20 A. Just these little light bulbs.
21 Q. Was the lighting sufficient for you to
22 make a determination regarding homogeneity of the

23 fireproofing?

24 A. I think the lighting was sufficient,

25 yes.

1 Q. And, did you make a determination
2 regarding homogeneity of the fireproofing in the 6th
3 floor?
4 A. To me it appeared to be homogeneous.
5 Q. Did you make any determinations with
6 respect to the quality of the installation of the
7 fireproofing?
8 A. I don't think I looked at or could at
9 this point be able to comment on the quality of the
10 installation. It wasn't something I really looked
11 at.
12 Q. Did you make any determinations with
13 respect to the homogeneity of the whitish color
14 coating on the fireproofing?
15 A. No, I didn't. A lot of areas you could
16 not get close enough to to even see whether the
17 coating was present on it or not. And, to that
18 extent, obviously if there was fireproofing that I
19 didn't see, I can't say that for a fact that was
20 homogeneous with the rest. But, everything I looked
21 at appeared to be homogeneous.
22 Q. You also state in that same paragraph,

23 overall about 5 percent -- excuse me, let me start

24 over.

25 "Amount of damage varies greatly.

1 Overall about 5 percent due to physical and
2 deterioration, about 10 to 20 percent on beams
3 accessible to catwalk."
4 First of all, with respect to the amount
5 of damage, the quantification of the amount of
6 damage, was that just an eyeball estimation or how
7 did you go about --
8 A. It is a calibrated eyeball. It is
9 applying the AHERA protocol for assessment of
10 friable surfacing materials, which is based on a
11 percentage of visual damage to a material.
12 Q. And, where was the damage that you
13 observed? Was there any pattern that you were able
14 to discern?
15 A. Well, the general 5 percent appeared
16 rather consistent across the surface of the material
17 where there would be either a gouge or section
18 missing indicative of maybe delamination or physical
19 contact with the material.
20 Or on surfaces below material that
21 appeared visually to be undamaged, there would be
22 about 5 percent of the horizontal surface covered

23 with pieces of debris, which had the same color and

24 texture as the fireproofing.

25 There was considerably more damage where

1 the fireproofing was readily accessible from the
2 catwalks. It appeared to be due to physical impact
3 by persons or equipment being moved along the
4 catwalks.
5 Q. How do you discern between damage that is
6 caused by physical contact and damage that you
7 attribute to deterioration?
8 A. If you are viewing a friable surfacing
9 material, and you see a gouge taken out of the
10 material, and a chunk of fireproofing sitting on the
11 surface beneath it, it is my assumption that that
12 was due to physical contact, somebody hitting it
13 with a ladder or something.
14 In a lot of areas you see an even
15 distribution of fairly small pieces of fireproofing
16 debris. Typically it would be this type of
17 fireproofing, 5 to 15 millimeters in diameter, odd
18 shapes, with no real reason for the material to have
19 been dislodged due to some type of maintenance
20 activity, not like if I saw a bunch of debris just
21 at this end of this table and some new light
22 fixtures installed in an acoustical plaster directly

23 above, I would conclude that that was from some

24 physical contact as opposed to deterioration over

25 time.

1 Q. Is there a photograph that you believe
2 evidences deterioration as opposed to damage caused
3 by physical contact?
4 A. Well, for example -- I was trying to see
5 if I could find one that would show both the
6 fireproofing up above and the debris below. But,
7 you don't really find -- can't point the camera in
8 both directions at the same time.
9 For example, in this photograph 16:17,
10 there is a lot of debris on top of this light
11 fixture. And, the debris is directly beneath a
12 fireproofed truss, and you can see little pieces of
13 the fireproofing sort of hanging off the truss.
14 And, there is nothing here that would
15 indicate that there was some type of a maintenance
16 work that was done. There is no cables running
17 across that area, for example. There is no way a
18 worker could have gotten up above that light fixture
19 to clean those two and caused that kind of damage.
20 Q. That photograph was taken in a storage --
21 above a storage telephone room on the 31st floor; is
22 that right?

23 A. Yes.

24 Q. Is there a photograph taken within the

25 6th floor catwalk area that depicts deterioration

1 damage as opposed to physical damage?

2 A. Well, for example, in -- well, I am not

3 sure this is the -- 15:32 and 15:56. I am really

4 looking at 15:32, I am not sure if I am still on the

5 6th floor or not.

6 Q. Yes.

7 A. There is debris, fireproofing debris on

8 the back of that air duct, and it is in a location,

9 again in a direct line beneath the -- a sprayed

10 beam, and at a location where a maintenance worker

11 couldn't have gotten in there, or there would be no

12 reason to go in there.

13 I don't see how it would have been

14 physically knocked off or, you know, why somebody

15 would do something like that.

16 Q. Going back to that paragraph we were

17 reading, it says: "Overall about 5 percent due to

18 physical and deterioration, about 10-20 percent on

19 beams accessible to catwalk."

20 What is meant by about 10 to 20 percent

21 on beams accessible to catwalk?

22 A. About 10 to 20 percent of the

23 fireproofing was damaged in the area where the beams

24 were accessible, primarily at the flanges of the

25 beams, where in many instances it had been scraped

1 bare, basically, by people bumping into it with
2 equipment.
3 Q. You attribute that damage to physical
4 contact?
5 A. Yes.
6 Q. Did you ever take a history of the 6th
7 floor, and by that I mean, did you ever obtain a
8 history from the Port Authority employees or others
9 regarding O & M activities that have taken place in
10 the 6th floor catwalk over the life of the building,
11 at the nature, duration, frequency of visits, water
12 damage incidents, fire damage incidents, anything
13 like that?
14 MR. JEKEL: Objection to the form of
15 the question.
16 A. No, I didn't ask them
17 about that.
18 Q. (By Mr. Anderson) Did you ever see, in
19 the 6th floor catwalk area, evidence of water
20 damage?
21 A. I don't recall seeing water damage on the
22 6th floor. Or at least not significant water

23 damage.

24 Q. Did you observe fireproofing on the [redacted]

25 [redacted]?

1 A. No, I did not.
2 Q. Do you know what the 7th floor of One
3 World Trade Center is used for?
4 A. I believe it is a -- well, as far as I
5 know, part of it is a mechanical room, that is all.
6 Q. Do you know anything about the layout of
7 the 7th floor?
8 A. No, I don't.
9 Q. Do you know how many mechanical equipment
10 rooms there are in Tower A? By Tower A, I mean One
11 World Trade Center?
12 A. Offhand, I don't, no.
13 Q. Do you know how many mechanical equipment
14 rooms there are in Tower B?
15 A. No, I don't.
16 Q. How many mechanical equipment rooms did
17 you go into at One World Trade Center?
18 A. I don't recall going into mechanical
19 equipment rooms.
20 Q. Okay. And you didn't go into any
21 mechanical equipment rooms in Tower B either, did
22 you?

23 A. No.

24 Q. And you have no information regarding the

25 layout of any of the mechanical equipment rooms in

1 Towers A or B?

2 A. No, I don't.

3 Q. So, you have no opinion regarding the

4 thickness of any fireproofing that exists in those

5 rooms?

6 A. The thickness?

7 Q. Of the fireproofing that may exist in any

8 of the mechanical equipment rooms?

9 A. No, I don't.

10 Q. And you don't have an opinion regarding

11 the homogeneity of the fireproofing that may exist

12 in any of the mechanical equipment rooms?

13 A. No, I don't.

14 Q. Do you have an opinion as to whether or

15 not any of the fireproofing material that may exist

16 in the mechanical equipment rooms has ever been

17 water damaged?

18 A. I wouldn't know.

19 Q. Do you have an opinion regarding the

20 nature of any damage, if any, to fireproofing in the

21 mechanical equipment rooms?

22 A. The only source of information I have is

23 that assessment that is in the binder. But, no

24 personal knowledge of that.

25 Q. No personal knowledge. And you have no

1 personal knowledge regarding the extent of any
2 damage, if any, to fireproofing located in the
3 mechanical equipment rooms at the World Trade
4 Center, either tower?
5 A. That is correct.
6 Q. Did you ever take a so-called history, as
7 I have defined it before, of any of the mechanical
8 equipment rooms in Towers A or B?
9 A. No, I didn't.
10 Q. What is the assessment that you referred
11 to in the binders in a previous question?
12 A. The survey that was done was the
13 World Trade Center survey that is in the binders.
14 And, there is some assessment information associated
15 with that survey, which are the observations of the
16 field personnel.
17 Q. It was Port Authority employees that made
18 that survey?
19 A. I think there were Port Authority
20 employees or possibly their contractors.
21 Q. Was there any discussion between you and
22 Port Authority employees as to whether or not you

23 should inspect the fireproofing located in any of

24 the mechanical equipment rooms in Towers A or B?

25 A. No, there wasn't.

1 Q. At the time of trial, are you going to
2 express opinions regarding the fireproofing located
3 at World Trade Center mechanical equipment rooms
4 that you did not observe?
5 A. No, I am not.
6 Q. By the way, are these field notes in your
7 handwriting?
8 A. Yes.
9 Q. And when did you write these field notes?
10 A. As I was going through the building.
11 Q. So, you didn't dictate your observations
12 and then record these field notes at a later time?
13 A. No, I did not. Some of the, in fact most
14 of the photograph logs are Mr. Dawson's handwriting.
15 Q. And, do you know whether or not he made
16 these --
17 A. I said the photograph logs are in his
18 handwriting. Most of them.
19 Q. Okay. Did he write this up during the
20 field inspection or at a later time?
21 A. During the inspection. I would tell him
22 the number on the back of the camera for the

23 photograph and he would write down where we were and

24 what I took a picture of.

25 Q. And the bulk sampling log and the surface

1 dust sampling log are in your handwriting?
2 A. Yes. He physically collected the samples
3 and I wrote down and photographed the location where
4 he took the samples.
5 Q. Your entire inspection of fireproofing at
6 the World Trade Center took place during one day; is
7 that right?
8 A. Yes, that is correct.
9 Q. I think it is May 13 of '96, 1996?
10 A. Yes.
11 Q. Were you given a time limit within which
12 to complete your inspection of fireproofing at the
13 World Trade Center?
14 A. No, not really a time limit, no.
15 Q. You were kind of hesitant but were you
16 given any limitations with respect to the time or
17 the amount of money that you were to devote to the
18 inspection of fireproofing or other
19 asbestos-containing materials in Port Authority
20 facilities?
21 A. I would say no, I wasn't.
22 Q. Were you given -- you weren't given any

23 budgetary limits with respect to the work that you

24 have performed in connection with this litigation?

25 A. Initially there was a budget, but it was

1 a budget that I prepared and based on the 1994
2 meeting. And then in 1996, I was asked whether that
3 was -- they asked me whether that budget would still
4 be sufficient or satisfactory. And I believe I told
5 them that I didn't expect that it would -- that I
6 would need that much money, as far as need that much
7 time to look at the material in these buildings.
8 Q. Was that budget reduced to writing?
9 A. I think it is in one of the materials
10 that was copied the first day.
11 Q. Off the record.
12 (Discussion ensued off the record.)
13 THE WITNESS: I thought it was maybe
14 with this, that is what I was thinking of.
15 But, no.
16 Q. (By Mr. Anderson) You are unable to
17 locate the budget in your file; is that correct?
18 A. Yes, that is correct.
19 Q. But, do you have a present recollection
20 today that there was a written document that
21 evidenced a budget for the work that you were to
22 perform for the Port Authority in this litigation?

23 A. My recollection is that back in 1994,

24 that I told them that the amount of time for what I

25 was asked to do would take, including travel and

1 subsistence expenses, would be about $30,000, not
2 including laboratory fees.
3 And, I thought there was something like a
4 piece of paper or something like that that I had
5 given to either Mr. Bleach or Mr. Benjamin regarding
6 that. There wasn't a long, detailed budget of X
7 number of hours at this rate and all that type of
8 thing.
9 Q. Do you keep time records that report the
10 amount of time that you spend with respect to
11 litigation activities such as this one?
12 A. Keep time records for each week and what
13 projects we are working on, yes.
14 Q. Do you still have those records?
15 A. Yes.
16 Q. For the Port Authority case?
17 A. Yes.
18 Q. I would ask that any budgetary, any
19 documents that evidence budgets for this litigation,
20 any time records that Mr. Ewing has prepared be
21 produced.
22 The next area of the World Trade Center

23 that you inspected was the 31st floor; is that

24 correct? Looking at your field notes again on

25 Page 2?

1 A. Yes.
2 Q. Now, in your field notes, on Page 2 of
3 the 31st floor, it appears that you initially had
4 written that the floor was about two-thirds vacant
5 and then that is crossed out and it says now 100
6 percent. What are the circumstances of those
7 handwritings?
8 A. When I went to the 31st floor and walked
9 around - again it is like a doughnut - walked around
10 it, I was able to cover about two-thirds of the
11 floor, and there was another third of the floor that
12 was not part of the suite that I had access to,
13 which at the time I thought, as literally as I wrote
14 that down, was occupied by a tenant. I quickly
15 learned that it, too, was vacant and proceeded to go
16 on into there.
17 Q. So you had access to a hundred percent of
18 the 31st floor?
19 A. Yes.
20 Q. Had the ceiling tiles been removed prior
21 to your getting to the 31st floor?
22 A. Most of them, certainly, had not been --

23 my recollection was that there were several that

24 were not in place.

25 Q. You made a notation in your notes that

1 the ceilings are nine feet, bottom of trusses are
2 approximately three inches above. What is the
3 significance of bottom of trusses are approximately
4 three inches above?
5 A. It reminds me of the amount of clearance
6 in the space from the tops of the ceiling tiles and
7 light fixtures to the bottom of the trusses, which
8 are fireproofed. And, in this building there is
9 very little clearance and almost no clearance on top
10 of light fixtures, and only about three inches in
11 other areas, which is somewhat unusual.
12 Q. And, what is the significance of that?
13 A. If, for example in this photograph 16:45,
14 where someone has run a cable above the ceiling, it
15 runs right into the fireproofing. I am assuming
16 that that was not intentional on the part of the
17 electricians when they're pulling the cable, but
18 because of the lack of clearance, it disturbs a lot
19 of fireproofing.
20 Q. In your opinion, is it practically
21 impossible to do work above the plenum without
22 disturbing the fireproofing?

23 A. As far as actual impact of the

24 fireproofing on the structure itself.

25 Q. Disturbing fireproofing, yeah, in the

1 plenum?

2 A. As opposed to fireproofing debris or dust

3 that is on the surface of the ceiling tiles?

4 Q. That is correct.

5 A. I think it would be very difficult to do

6 any sort of significant maintenance or renovation

7 activities without disturbing the fireproofing on

8 the trusses in this building.

9 Q. In your opinion, would it be probable

10 that removing partition walls would impact

11 fireproofing material located on the trusses?

12 A. If it is partition walls that go all the

13 way to the deck as in a demising wall, then I think

14 that would. If it is a true partition that does not

15 go above the ceiling at all and does not have any

16 utilities in it, such as a light switch or something

17 like this, that has wiring that runs up, then I

18 think you could do work on that without -- as long

19 as you don't -- basically as long as you can stay

20 below the ceiling there shouldn't be any impact of

21 fireproofing.

22 Q. What kinds of renovation or maintenance

23 activities would probably impact the fireproofing on

24 trusses in tenant areas?

25 MR. JEKEL: Objection to the form.

1 A. I think renovation
2 activities that -- replacement of a ceiling
3 system or lighting, for example. I think
4 installing cables or electrical conduit,
5 rerouting of duct work, installation of
6 sprinkler pipe or new plumbing line,
7 something like this, any of those activities.
8 Q. The last sentence on
9 Page 2 states: Cables -- and I believe the word is
10 were -- "cables were run by throw-and-pull method,
11 now all cables in conduit." Do you see that?
12 A. Yes.
13 Q. What is throw-and-pull method?
14 A. I had asked them how cables were
15 installed above the ceiling tiles, and a string is
16 tied to the end of the cable and a weight of some
17 sort tied to the end of the string, and the weight
18 is thrown through one opening in the ceiling towards
19 another opening, and then the string is pulled to
20 pull the cable through the ceiling.
21 Q. Is that done while fireproofing is
22 located on the trusses?

23 A. I was told that that is the way cables

24 were installed. However, now -- and it is probably,

25 although this is not my area of expertise, probably

1 due to fire regulations that the cables are now
2 installed in conduit.
3 So, a metal conduit is first installed in
4 the ceiling and then the cables would simply be put
5 through the conduit. But it would be my opinion
6 that installing the conduit would have the same
7 problem of disturbing the fireproofing in that
8 instance.
9 Q. Disturbing what fireproofing?
10 A. The fireproofing above the ceiling.
11 Q. On tops of the ceiling tiles or on the
12 trusses or where?
13 A. Both. And at the attachment points for
14 the conduit.
15 Q. Do you know when the Port Authority
16 started using conduit for running cable in the
17 plenum areas?
18 A. No, I do not. Can I take a short break?
19 Is that all right?
20 (A recess was taken.)
21 Q. (By Mr. Anderson) Mr. Ewing, did you see
22 any conduit above the -- in the plenum area on the

23 31st floor?

24 A. Yes.

25 Q. And, that is evidenced in a photograph?

1 A. Yes. There are several photographs that
2 show conduit.
3 Q. Can you identify those? 16:45?
4 A. 16:33 is probably the clearest one.
5 16:35.
6 Q. I really can't tell from these pictures,
7 perhaps you can tell us. Is that conduit laid on
8 top of the ceiling tile or is it run through the
9 trusses? How is it suspended?
10 A. It is attached directly to the deck.
11 Q. And you are looking at which photograph?
12 A. 16:33.
13 Q. And, it is the black --
14 A. It is actually silver.
15 Q. On the top of the decking?
16 A. Yes.
17 Q. And what is the red item on the lower
18 part of the photograph?
19 A. Some type of cable, perhaps a
20 communication cable. I don't know what kind of
21 cable, but a cable.
22 Q. Do you know the purpose of the cable that

23 is within the conduit in that photograph?

24 A. It appears to be electrical since it goes

25 to an electrical junction box. But, that is all I

1 know.

2 Q. Do you have any information as to when

3 either of those two, either the cable or the

4 conduit, were installed?

5 A. No, I don't.

6 Q. Now, after the conduit, after a conduit

7 has been installed, any cable pulling through that

8 conduit, would that be a source of disturbance or

9 reentrainment of fireproofing?

10 MR. JEKEL: Objection to the form.

11 A. Once it is installed, it

12 should be a simple matter of putting the

13 cable through without disturbing the

14 fireproofing.

15 Q. Did you see any

16 evidence of water damage in the plenum on the 31st

17 floor?

18 A. I don't recall seeing -- observing

19 evidence of water damage in the areas that I looked

20 at.

21 Q. And, what percent of the 31st floor

22 fireproofing were you able to -- did you observe

23 that day?

24 A. I would say I observed most of the

25 fireproofing in the south, north and east sides of

1 the building.

2 Q. Did you make any observations on the west

3 quadrant?

4 A. I don't know.

5 Q. Did you observe any coating on the

6 fireproofing?

7 A. Not like I saw in the 6th floor

8 catwalks. I did observe that greenish, what

9 appeared to me to be some kind of an encapsulant, in

10 the northeast corner of the floor.

11 Q. And, what are you referring to right now?

12 A. I am looking at my photograph log. It

13 should be shown in photograph 17:04.

14 Q. But you did not observe the green

15 encapsulant in the other areas that you observed?

16 A. No, I did not.

17 Q. Did you make any determinations with

18 respect to the damage to the fireproofing on the

19 31st floor?

20 A. My opinion that it is damaged, friable

21 surfacing ACBM.

22 Q. And, do you have an opinion with respect

23 to the extent of the damage?

24 A. The extent of the damage, as far as

25 percentagewise?

1 Q. Yes. The way you did on the -- with
2 respect to the catwalks?
3 A. Well, it would be between 1 and
4 10 percent evenly distributed.
5 Q. And, the cause would be what?
6 A. Physical and deterioration.
7 Q. The next tenant floor you visited was the
8 30th floor. There is a notation with respect to
9 that, it begins on Page 4 of 16 at the bottom. What
10 percentage of this floor did you observe with
11 respect to fireproofing?
12 A. I would say most of the fireproofing on
13 the south side and the east side.
14 Q. Were you able to observe any of the
15 fireproofing on the north or west sides?
16 A. Yes, on the -- I am looking on my Page 13
17 of my field notes, and I took the dust sample on the
18 west side towards the south end of the west side.
19 Q. Did you make any observations with
20 respect to damage to the fireproofing on the 31st
21 floor?
22 A. While I am on that Page 13, if I can back

23 up just a second.

24 Q. Sure.

25 A. The dust locations that are shown on Page

1 13 of my field notes.

2 Q. Yes.

3 A. Are the locations where I took dust

4 samples on the 6th floor core area, even though it

5 says the 30th floor, and I was using this to show on

6 a core area because it has the same general layout,

7 approximately, where the samples were taken.

8 And the dust samples taken on the 31st

9 floor, I am sorry, on the 30th floor, are as stated

10 in the sample log and on the photograph log. I

11 think that is somewhat confusing and misleading.

12 Q. Okay, thanks for clearing that up. On

13 Page 5, you make a notation regarding the 20th

14 floor, that you did not visit that floor. Is that

15 accurate?

16 A. Yes.

17 Q. And, at the time they were finishing the

18 abatement of the fireproofing on that floor, is that

19 what you were told?

20 A. Yes.

21 Q. Did you ask to visit that floor?

22 A. No.

23 Q. You were never able to observe the

24 fireproofing on the 20th floor, is that true?

25 A. It was my understanding that it had been

1 essentially -- gross removal of the fireproofing had
2 been completed, and there was really nothing to see
3 at that point.
4 Q. So, you have no opinion with respect to
5 the homogeneity of the material that had been placed
6 there; is that right?
7 A. That is correct.
8 Q. Or the thickness of the material?
9 A. That is correct.
10 Q. You have no opinion as to whether or not
11 the fireproofing was coated with any substances or
12 encapsulated in any way, is that true?
13 A. That is correct.
14 Q. And, you have no information as to
15 whether or not the fireproofing had been water
16 damaged?
17 A. That is correct.
18 Q. And, are you going to express any
19 opinions at the time of trial with respect to the
20 fireproofing that was formerly located on the 20th
21 floor?
22 A. I am going to -- I expect to express at

23 trial that I asked to see areas of fireproofing that

24 were representative, and that I am assuming that the

25 areas that I was shown are, in fact, representative

1 of what the fireproofing looked like on other
2 floors. But, I, myself, cannot establish that.
3 Q. Have you seen any photographs or videos
4 of the in-place fireproofing that had been located
5 on the 20th floor prior to abatement?
6 A. I know I looked at Mr. Hatfield's video
7 taken in the World Trade Center. I don't recall
8 offhand which floors. I know he covered the 6th
9 floor catwalks. And I looked at his photographs.
10 But, I don't expect to be asked specifically about
11 that.
12 Q. Also there is another notation on Page 5
13 of 16 that floors 21 through 29 had already been
14 abated in May of 1996 when you visited the
15 World Trade Center. So I take it that you also
16 never observed the fireproofing that was formerly
17 located on those floors?
18 A. That is correct.
19 Q. And, do you have any photos, photographs
20 or videos of the fireproofing on any of the floors
21 21 through 29 which depict in-place fireproofing?
22 A. No, I don't.

23 Q. Do you know whether or not the

24 fireproofing on any of the floors 21 through 29 had

25 ever been damaged, water damaged?

1 A. I don't know.
2 Q. And, do you know whether or not there had
3 ever been a fire on any of the floors numbered 21
4 through 29 at One World Trade Center prior to the
5 abatement of the fireproofing on that floor, on
6 those floors?
7 A. Offhand, I don't recall anything about
8 fire there.
9 Q. Did you ever take a history of those
10 floors from any Port Authority personnel?
11 A. No, I did not.
12 Q. Do you know whether or not any of the
13 fireproofing located on floors 21 through 29 have
14 ever been encapsulated?
15 A. No, I don't.
16 Q. What information, if any, have you been
17 given regarding the condition of the fireproofing on
18 floors 21 through 29 prior to it being abated?
19 A. I don't believe I have any information
20 about that.
21 Q. With respect to -- I am looking at your
22 notes on Page 5 of 16, your field notes. There is a

23 notation with respect to your observations on the

24 15th floor. It starts about mid page.

25 A. Yes.

1 Q. And, at the time that you observed that
2 floor, the floor was vacant and the contractor was
3 preparing to remove the fireproofing?
4 A. Yes.
5 Q. And is it true that a hundred percent of
6 the floor of the fireproofing located on that floor
7 had been encapsulated with a green coating?
8 A. Yes.
9 Q. And it states that "it appears as if it
10 were applied to the FP as an encapsulant years
11 ago." Is that true?
12 A. That is the way it appeared to me, yes.
13 Q. Now, did anybody give you any information
14 with respect to that green coating?
15 A. No, they didn't.
16 Q. You had no discussion with Mr. Bleach
17 about that?
18 A. Offhand, I don't remember a discussion
19 about that. It was some building owner's practice
20 to clean an area, for example, having an asbestos
21 crew go in and remove a group of ceiling tiles and
22 clean the tops of tiles around an area, and

23 encapsulate a material directly above where some

24 type of maintenance activity was going to go on.

25 That would be my assumption why, for example, on

1 the, was it the 30th floor, there was one particular
2 area that was that way.
3 Q. Were you given any documents to review
4 regarding the original installation of the
5 fireproofing at the World Trade Center?
6 A. I wasn't given any documents to review.
7 I think as everybody did down in that part of
8 New York, watched it go up and watched them spray
9 it, and at that time, of course, they didn't think
10 anything about that.
11 Q. You haven't reviewed any of the
12 correspondence that took place during the
13 construction of the World Trade Center relating to
14 fireproofing?
15 A. No, I don't think so.
16 Q. Your reading goes on to say: "It is not
17 successful to prevent physical damage, cannot
18 comment on deterioration (fiber release due to
19 aging)." Do you see that?
20 A. Yes.
21 Q. By that do you mean that the encapsulant
22 was not successful to prevent physical damage to the

23 fireproofing?

24 A. That is correct.

25 Q. And also, does that also mean that you

1 have no opinion with respect to whether or not there
2 is any deterioration of the fireproofing on the 15th
3 floor?
4 A. Well, what I was talking about there is I
5 can't think of a reasonable sort of test you could
6 do to determine whether or not that encapsulant has
7 slowed or eliminated fiber release from the in-place
8 fireproofing. That if I went to a floor, 15th
9 floor, the ceiling had been taken out.
10 If I went to another location that had
11 the same type of encapsulant in which a ceiling was
12 present and did dust sampling below, regardless of
13 what I found in the dust samples, I wouldn't be able
14 to conclude anything one way or the other.
15 Q. Why is that?
16 A. Well, if I found a high concentration in
17 the dust samples, then it may be that the high
18 concentration was there before the encapsulation,
19 and simply is just remaining.
20 If I found a high concentration, it could
21 be that the encapsulant was successful in stopping
22 the fiber release, but the application of the

23 encapsulant caused the high concentration.

24 Basically it dislodged the fibers.

25 And if I found a low concentration on the

1 surface below the encapsulated fireproofing, since I
2 don't know when the fireproofing was encapsulated,
3 it may be that as part of that, the surface was
4 cleaned, it was encapsulated, and perhaps in several
5 more years, it would build back up to a high
6 concentration again. I just wouldn't be able to
7 conclude something from it.
8 Q. So, is it true that you have no opinion,
9 that is at this date you cannot comment on whether
10 or not there is fiber release due to aging on the
11 15th floor?
12 A. Of the encapsulated material, that is
13 correct.
14 Q. Did you ever ask anybody at the
15 Port Authority regarding the composition of the
16 encapsulation, the green coating?
17 A. No, I don't think so.
18 Q. I think the next floor that you visited
19 was the 74th floor. That is the discussion
20 beginning at the top of Page 6?
21 A. Yes.
22 Q. Is that a tenant floor?

23 A. It is a tenant floor, but it was largely

24 unoccupied at the time I was there.

25 Q. And was it told to you that

1 asbestos-containing product known as Mark II was
2 spray applied over a nonasbestos-containing Cafco
3 fireproofing product?
4 A. Yes.
5 Q. And who told you that?
6 A. It was probably Kevin Bleach originally,
7 when we talked about which floors I was going to go
8 visit and which floors were vacant to visit.
9 Q. Mr. Bleach selected the 74th floor for
10 you to observe?
11 A. I think so. It was more of which floors
12 didn't have tenants in them at the time.
13 Q. And your notes go on to say: "Likely to
14 have been applied to prevent dusting of original FP
15 at the time of application."
16 Is that something that was told to you or
17 is that an opinion that you formed?
18 A. I think it was something that was told to
19 me. But, it certainly, I have seen that type of
20 situation before, but usually where there is a high
21 velocity airstream.
22 Q. And the fireproofing on that floor that

23 you observed was damaged due to physical contact; is

24 that right?

25 A. Yes.

1 Q. Did you make any determination as to
2 whether or not there was fiber release due to aging
3 of the material?
4 A. Well, I took, at the time, I really
5 didn't. I took three dust samples from that floor
6 that appeared to me to be a layer of settled dust,
7 and was somewhat surprised at the concentrations I
8 found. I would have expected to find much lower
9 concentrations.
10 Q. And, where were those concentrations
11 recorded?
12 A. They are recorded on the dust sample log
13 for the three samples collected on the 74th floor.
14 And essentially the results are indistinguishable
15 from samples collected on the 6th floor, 30th floor,
16 31st floor.
17 Q. The surface dust sampling log, you are
18 not referring to Page 7?
19 MR. JEKEL: No.
20 MR. ANDERSON: Off the record.
21 (Discussion ensued off the record.)
22 (Ewing Exhibit 35 was marked for

23 identification.)

24 Q. (By Mr. Anderson) Let me show you what

25 has been marked as Exhibit 35 for identification.

1 Can you identify that?

2 A. Exhibit 35 is a summary of the results of

3 surface dust samples collected at the World Trade

4 Center Building One on May 13, 1996.

5 Q. And, who analyzed the dust samples that

6 you took on May 13, 1996?

7 A. The samples were all physically collected

8 by Mr. Dawson at my request with myself present, and

9 all were analyzed by Materials Analytical Services.

10 Q. Is there any way to tell whether or not

11 the dust that was collected on the 74th floor that

12 are indicated, the results of which are indicated on

13 Exhibit 35 for identification, is there any way to

14 tell whether or not the origin of that dust is due

15 to deterioration or physical damage?

16 A. I don't think there is anything in the

17 results that could tell you that.

18 Q. Did you obtain a history from

19 Port Authority personnel regarding fireproofing on

20 the 74th floor?

21 A. No.

22 Q. Did you see any evidence of water damage?

23 A. No.

24 Q. At the bottom of Page 6 of your field

25 notes it states: "The Mark II is in the elevator

1 shafts (all the way to the top)." Is that something
2 that you observed or is that something that was told
3 to you?
4 A. That is something that I was told.
5 Q. And, who told you that?
6 A. That point that would have been either
7 Danny Ng or Keith Murphy.
8 Q. Did either Mr. Ng or Murphy tell you when
9 the Mark II was applied in the elevator shafts?
10 A. No, they did not.
11 Q. Did they tell you the purpose for the
12 application of the Mark II in the elevator shafts?
13 A. Well, my note is that it may have been
14 applied to these areas to prevent dusting. I don't
15 recall whether that is something that they mentioned
16 or whether, again, that was something that I
17 concluded as a possibility simply because I have
18 seen in some buildings that have Cafco fireproofing,
19 a high-density fireproofing applied over the Cafco
20 in areas where there is a high air velocity, such as
21 an elevator shaft.
22 Q. Other than preventing dust, are there any

23 other purposes for which a Mark II product would be

24 applied over the fluffy, low-density fireproofing?

25 A. I am not aware of other reasons. But,

1 that would probably be best left to a structural
2 engineer or an architect more familiar with that.
3 Q. I would like to talk about elevator
4 shafts for a few minutes. And I think your field
5 notes discuss a visit to one elevator shaft that
6 begins on the bottom of -- towards the bottom of
7 Page 3.
8 A. Yes.
9 Q. Which elevator shaft did you visit?
10 A. It was, I am assuming that the shafts are
11 numbered the same as the elevators, but it would be
12 shaft eight, it is one of the double shafts.
13 Q. By double shaft you mean there are two
14 cars in that shaft?
15 A. Yes.
16 Q. I notice that it appears that you didn't
17 take any dust samples in your inspection of the
18 elevator shaft, is that true?
19 A. That is correct.
20 Q. Is there a reason why you did not take a
21 dust sample in the elevator shaft?
22 A. I didn't see any location to take a dust

23 sample from, there being no horizontal surfaces

24 except the hits at the base of the shaft.

25 Q. Did you ride on the top of the elevator

1 cars?

2 A. Yes.

3 Q. Would the top of the elevator cars have

4 been a suitable horizontal area to take a dust

5 sample?

6 A. You could have taken a dust sample there,

7 but -- and if you wanted to characterize what was on

8 the top of the elevators, yes, you could have done

9 that or I could have done that.

10 Q. Did you have your sampling equipment with

11 you at the time?

12 A. I had it available to me. I didn't take

13 it with me on the top of the elevator.

14 Q. Did you only inspect one shaft, shaft

15 number eight?

16 A. Yes.

17 Q. And what floors do the cars in shaft

18 number eight service?

19 A. I think lobby through 44, whatever the

20 sky lobby is there.

21 Q. That is a so-called express elevator; is

22 that right?

23 A. Yes.

24 Q. Now, in your notes, I take it that while

25 you were riding on top of the elevator car you noted

1 "about 6 to 8 locations between the lobby and the
2 35th floors where the fireproofing has
3 delaminated." Do you see that language on Page 4?
4 A. Yes.
5 Q. Was there a pattern with respect to the
6 delamination?
7 A. I didn't really notice a pattern.
8 Q. Where between the lobby and the 35th
9 floors were those locations of delamination?
10 A. Well, I note one is at the 34th and 35th
11 floor.
12 Q. How do you know that?
13 A. Well, I noted it on my photograph log.
14 And most of them I thought the floor number would
15 show up on the photograph. I think there was also
16 some videotape from the elevator shaft.
17 Q. Did you have any discussion with
18 Port Authority personnel or the elevator mechanic
19 regarding air velocities in any of the elevator
20 shafts?
21 A. No, I didn't.
22 Q. Did you observe -- are you familiar with

23 the phenomenon known as cable slapping?

24 A. I think I know what you are referring

25 to. But, I didn't observe that at that elevator.

1 Q. Did you observe evidence of water damage
2 in shaft number eight?
3 A. Again, I don't recall observing water
4 damage.
5 Q. Are you familiar with a phenomenon known
6 as stack effect?
7 A. Yes.
8 Q. And, what is your understanding of stack
9 effect?
10 A. The movement of air up a shaft due to a
11 difference in -- basically a temperature
12 difference.
13 Q. Have you ever calculated stack effect for
14 an elevator shaft in a building?
15 A. We tried to do that in an EPA report and
16 decided it couldn't be done in an elevator shaft,
17 simply because with the elevator moving up and down,
18 you don't have stagnant air, you have a piston,
19 essentially, in there.
20 Q. When you say we, who are you referring
21 to?
22 A. There was a committee of about 15 or 20

23 people who participated in the document titled

24 Asbestos in Tall and Occupied Buildings, and

25 particularly it looked at -- the purpose of the

1 document was to identify research areas for EPA to
2 do studies on related to asbestos in tall and
3 occupied buildings, and one of those was the stack
4 effect.
5 And one of the questions that various
6 people tried to answer, or wanted to answer, was
7 when you do an abatement on the floor with elevator
8 shafts, how much negative pressure do you need to
9 have in an abatement area to overcome both the stack
10 effect, but also the piston and action of an
11 elevator going by. And, I don't remember any of
12 the -- what the results were of any of that.
13 Q. Was that -- is that a published
14 document?
15 A. Yeah, it is a document that is available
16 and it was in -- never really widely distributed.
17 It was meant to be for internal use within EPA.
18 Q. But it is available from the EPA?
19 A. Or from me or anybody else that has one,
20 I guess. It is a public document.
21 Q. Is that part of your reliance materials?
22 A. I don't think that is on the list.

23 Q. Do you recall the names of any of the

24 other people on that committee?

25 A. Chip D'Angelo was on the committee. Burt

1 Price chaired the meetings, or the meeting. And I
2 chaired the writing of the document, basically.
3 Frank Bull. I think Joe Green from EPA. There were
4 several other people there from EPA.
5 Q. What is the date of the document?
6 A. Somewhere between about '88 and '90. It
7 could be even a little later than that.
8 Q. Are you aware of any activities taken by
9 the Port Authority to try to reduce the stack effect
10 in the World Trade Center elevator shafts?
11 A. No, I am not.
12 Q. Have you had any discussions with
13 Port Authority employees or attorneys regarding
14 stack effect?
15 A. No, I haven't.
16 Q. Are you familiar with a phenomenon called
17 piston effect? I think you just alluded to it?
18 A. Yes.
19 Q. And what is that?
20 A. Well, if you have an elevator in a shaft,
21 and it pushes air in front of it as it goes up, and
22 pulls air behind it, just like a piston, it creates

23 a lot of air turbulence, and for that reason you

24 usually have pressure relief valves in the shafts to

25 let the air out.

1 Q. And, what would be pressure relief
2 valves?
3 A. Oil on top of the shaft. It is important
4 in an abatement of an elevator shaft because it is
5 an area that people have forgotten to seal
6 sometimes.
7 Q. Is piston effect also the subject of the
8 document Asbestos in Tall and Occupied Buildings?
9 A. I think it is also discussed in there.
10 Q. And, what do you recollect about the
11 discussion of piston effect in that document?
12 A. Nothing.
13 Q. Have you had any conversations with
14 Port Authority employees or Port Authority attorneys
15 regarding piston effect in elevator shafts?
16 A. I may have asked the elevator
17 contractors, there were two or three there, who took
18 me up and down on the elevator. But, it was no
19 substantial conversation about it.
20 (A recess was taken.)
21 Q. (By Mr. Anderson) I take it you didn't
22 see any evidence of cable slapping in elevator shaft

23 number eight, but have you had any conversations

24 with anyone regarding cable slapping in other

25 elevator shafts?

1 A. No, I didn't.
2 Q. Have you seen evidence of cable slapping
3 in other buildings?
4 A. No, I haven't.
5 Q. Do you have any information regarding the
6 sway of Tower A or Tower B?
7 A. I understand they both sway and are
8 intended to sway, and that after windy days they
9 need to clean up the elevator pits.
10 Q. Do you know the distance of the sway at
11 the top of the World Trade Center towers?
12 A. At one time I did. I want to say it was
13 one or two feet, something like this. I have
14 forgotten.
15 Q. Did you have conversations with any
16 Port Authority people, employees, lawyers,
17 consultants, regarding water damage in elevator
18 shafts other than shaft number eight?
19 A. No, I didn't.
20 Q. And, you have never observed fireproofing
21 in any local elevator shafts in Towers A or B?
22 A. I don't remember.

23 Q. Do you recall seeing photographs or

24 videotapes of fireproofing located in the local

25 elevator shafts in Tower A or Tower B?

1 A. I recall looking in a shaft of a local
2 elevator in Tower A. As we sit here, I really don't
3 remember anything about it.
4 Q. Were you ever provided any information
5 regarding the condition of fireproofing in local
6 elevator shafts at the World Trade Center?
7 A. No, nothing other than what is in the
8 binders as part of that survey that was done at the
9 World Trade Center, and again, there is not much in
10 the way of assessment information in there.
11 Q. Will you be expressing any opinions at
12 the time of trial with respect to the condition of
13 fireproofing in local elevator shafts at the
14 World Trade Center?
15 A. I will be expressing an opinion of what I
16 saw in the elevator shaft that I was in.
17 Q. And, that was shaft number eight in One
18 World Trade Center?
19 A. Yes.
20 Q. Did you obtain any information as to when
21 damage to the fireproofing in shaft number eight was
22 first observed?

23 A. No, I don't think so.

24 Q. Do you have any information as to whether

25 or not fireproofing in the shaft number eight was

1 delaminating in the 1970's?

2 A. I don't know.

3 Q. Do you have any information as to whether

4 or not fireproofing in shaft number eight was

5 delaminating in the 1980's?

6 A. I don't know.

7 Q. Did you ever perform any adhesion tests

8 on the fireproofing in the World Trade Center?

9 A. No, I did not.

10 Q. Did you ever perform any cohesion tests

11 on fireproofing in the World Trade Center?

12 A. No.

13 Q. Have you ever performed adhesion or

14 cohesion tests in the past?

15 A. Yes.

16 Q. Did you discuss the taking of adhesion or

17 cohesion tests with Port Authority employees or

18 attorneys?

19 A. No.

20 Q. Have you ever performed any air erosion

21 tests on fireproofing installed at the World Trade

22 Center?

23 A. No.

24 Q. And, have you ever performed air erosion

25 tests on any fireproofing at any time?

1 A. I think we discussed on Monday the air
2 erosion study that we did several years ago.
3 Q. So, you are capable of performing air
4 erosion studies?
5 A. Yes.
6 Q. And tests? And you could have done that
7 at the World Trade Center had you been given the
8 opportunity?
9 MR. JEKEL: Objection to the form.
10 A. It would have been
11 possible to have done that.
12 Q. Do you anticipate
13 giving an opinion with respect to the cause of the
14 delamination of fireproofing that you observed in
15 elevator shaft number eight?
16 A. No.
17 Q. Could you refer to your Page 4 of your
18 field notes. About halfway down it states: "Due to
19 dilution, concentrations are probably not elevated
20 except when large sections of FP delaminate."
21 Do you see that language?
22 A. Yes.

23 Q. What are you talking about in that

24 sentence?

25 A. Typically air shafts, excuse me, elevator

1 shafts move large quantities of air, and so airborne
2 concentrations of asbestos would quickly be
3 diluted.
4 Q. And, what is the significance of that?
5 A. They wear respirators whenever they are
6 inside the shaft. I am not sure that is really
7 necessary to wear the respirators inside the shaft.
8 Q. And when you say that the concentrations
9 are probably not elevated, is there a concentration
10 that you have in mind when you say elevated?
11 A. It would be a tenfold increase over an
12 existing concentration. So if the existing
13 concentration was, or the prevalent level was .005,
14 the concentration would have to rise to .05 before I
15 would say it was significantly elevated.
16 Q. And, there is a -- if the concentration
17 is less than .05, in your opinion, it wouldn't be
18 necessary to wear a respirator?
19 A. I would wear the respirator at that
20 concentration.
21 Q. You didn't observe any fireproofing in
22 Two World Trade Center, Tower B; is that right?

23 A. That is correct.

24 Q. Did you ever ask to observe fireproofing

25 in that building?

1 A. No.
2 Q. Was there any discussion regarding
3 whether or not you should observe fireproofing in
4 Tower B?
5 A. No.
6 Q. Will you offer opinions at the time of
7 trial regarding the fireproofing located in
8 Tower B?
9 A. No.
10 Q. Have you performed studies regarding the
11 aging of Cafco Blaze Shield?
12 MR. JEKEL: Objection to the form.
13 A. No.
14 Q. (By Mr. Anderson) Have you performed
15 studies regarding the aging of Cafco Mark II?
16 A. Maybe I should ask you what you mean by
17 aging? That is the word I am having problems with.
18 Q. Well, it is the way we have used it in
19 the past. I think when you talk about deterioration
20 of material, it is the -- you talk about as the
21 releasibility of fibers over time.
22 Have you performed any studies with

23 respect -- longitudinal studies of - let's go back

24 to Blaze Shield - on Blaze Shield, with respect to a

25 propensity to release fibers over time?

1 A. I may have taken some passive dust
2 samples over time that was beneath certain low-
3 density fireproofing. As I sit here today, I really
4 can't think of one that I know was Cafco
5 Blaze Shield.
6 Q. And the same question with respect to
7 Mark II, have you ever performed any studies with
8 respect to the propensity of Mark II to release
9 fibers over time?
10 A. No.
11 Q. And, do you have an opinion with respect
12 to whether or not the Port Authority should provide
13 notification of a health hazard due to the presence
14 of asbestos-containing materials to office workers
15 at the World Trade Center?
16 A. Yes.
17 Q. And, what is your opinion?
18 A. It is my opinion that the Port Authority
19 should notify the employers of those people, and
20 they, in turn, should notify the employees about the
21 presence of asbestos-containing fireproofing, where
22 it is located, and what to do if, for example, they

23 see ceiling tiles down on the floor around their

24 desk when they come in in the morning.

25 Q. Have you expressed that opinion to the

1 Port Authority?

2 A. No.

3 Q. Is there a reason why you have not?

4 A. I was under the impression they are

5 notifying tenants.

6 Q. Are they advising their tenants -- are

7 they advising tenants to notify their employees, the

8 tenant's employees?

9 A. I don't know what they are telling them.

10 Q. What are the means and methods by which

11 notification should be provided to office workers at

12 the World Trade Center?

13 A. From their employers.

14 Q. Should it be in writing?

15 A. I would do it in writing, yes.

16 Q. And, Port Authority employees, there are

17 a lot of Port Authority employees located in One

18 World Trade Center, are you aware of that?

19 A. Yes.

20 Q. Should the Port Authority be notifying

21 their own employees in writing regarding the

22 presence of asbestos-containing materials?

23 A. Yes, I think so.

24 Q. Should signs be posted in office areas

25 regarding the presence of asbestos-containing

1 materials?

2 A. No.

3 Q. Should notification of health hazard due

4 to the presence of asbestos-containing materials be

5 given to visitors that come to the World Trade

6 Center?

7 A. Not typical visitors, no.

8 Q. Why not?

9 MR. JEKEL: Objection to the form.

10 A. They would not have

11 reason to go into areas, such as the 6th

12 floor catwalk, for example, where they would

13 be likely to be exposed to elevated

14 concentrations of asbestos.

15 Q. Should persons occupying

16 floors that don't have asbestos-containing

17 fireproofing materials in the plenums on those

18 floors be notified regarding the presence of

19 asbestos in the building?

20 MR. JEKEL: Objection to form of the

21 question.

22 A. Assuming you are talking

23 about building occupants such as secretaries

24 or stockbrokers or something, I would say

25 no.

1 Q. How about people who
2 ride the elevators, should they be notified
3 regarding the presence of asbestos in the elevator
4 shafts?
5 A. If they are inside the elevator instead
6 of on top of the elevator, I would say no.
7 Q. I am sure you are aware of the terrorist
8 bombing that occurred in the World Trade Center in
9 1993?
10 A. Yes.
11 Q. Were you shown any studies or other
12 documents concerning environmental consequences of
13 the bombing?
14 A. I believe I may have seen some documents
15 like that, but not as part of this project or this
16 work.
17 Q. In what context did you see those
18 documents?
19 A. I recall meeting with, I believe it was
20 Mr. Hays, with the firm of Gobbell Hays, who had
21 done some work for the Port Authority immediately
22 following the bombing related to hazardous materials

23 in the bomb area and, for some reason, part of it

24 was related to the elevator shafts as well.

25 Q. What did Mr. Hays show you, what

1 documents?

2 A. I really just don't remember anything

3 about it, other than remembering that he, too, rode

4 on top of an elevator in that building.

5 Q. But the Port Authority hasn't provided to

6 you any air sampling analyses that were taken in the

7 immediate -- immediately after the blast?

8 A. No, they didn't.

9 Q. Did the Port Authority provide to you the

10 results of a dust wipe analyses that were taken in

11 the aftermath of the blast?

12 A. No.

13 Q. Have you spoken to anyone at the

14 Port Authority regarding the environmental

15 consequences of the bombing incident?

16 A. Mr. Bleach and I walked through the area

17 and he described what had happened and -- but I

18 didn't take a lot of notes and it didn't really

19 affect my opinion.

20 Q. Did he say anything about the

21 environmental consequences?

22 A. We talked about asbestos that was damaged

23 during the bombing. I think there were other types

24 of sampling that were done as well. And, I really

25 just don't remember very much about the conversation

1 other than that.

2 Q. Did he tell you that any

3 asbestos-containing materials above the basement

4 level were damaged as a result of the bombing?

5 A. Yes.

6 Q. And, where was that?

7 A. Some areas around the lobby, I think

8 around the area where it connects to the hotel.

9 That is really, again, all that I can remember.

10 Q. Asbestos-containing materials?

11 A. That is all I can remember, yes.

12 Q. Where is asbestos-containing materials

13 located in the lobby?

14 A. Offhand, I don't know.

15 Q. Did Mr. Bleach or anyone else discuss

16 with you the impact of the blast on fireproofing

17 located in the elevator shafts?

18 A. I don't remember.

19 Q. Did Mr. Bleach or anyone else discuss

20 with you impact of the blast on fireproofing located

21 in tenant areas?

22 A. I really just don't remember.

23 Q. And the same question with respect to the

24 mechanical equipment rooms?

25 A. Don't remember.

1 Q. Do you have any specialized education or
2 training with respect to HVAC engineering?
3 A. Well, certainly the field of industrial
4 hygiene deals a lot with ventilation, and the field
5 of indoor air quality deals very heavily with
6 ventilation. I am certainly familiar with
7 ventilation systems. I think I am familiar with how
8 they operate.
9 Q. Have you been provided a set of the HVAC
10 plans for the One World Trade Center?
11 A. No.
12 Q. Were you asked to form any opinions with
13 respect to the HVAC system at One World Trade
14 Center?
15 A. No.
16 Q. Do you expect to offer any opinions with
17 respect to the HVAC system at One World Trade
18 Center?
19 A. No.
20 Q. And, you are not a registered
21 professional engineer, are you?
22 A. No.

23 MR. ANDERSON: I am done. Thank you.

24 EXAMINATION

25 BY MR. JEKEL:

1 Q. Earlier in your questioning, Mr. Ewing,
2 are you were asked about what materials you would
3 rely upon in forming your opinions that certain
4 in-place asbestos-containing fireproofing is friable
5 and releases fibers, do you recall that?
6 A. Yes.
7 Q. And you indicated several articles and
8 several visual inspections?
9 MR. NICYPER: Object to the form of the
10 question.
11 MR. JEKEL: Let me ask a question
12 first.
13 Q. (By Mr. Jekel) Are there any videos
14 contained in your reliance materials that you would
15 also rely upon in making that determination?
16 MR. NICYPER: Object to the form of the
17 question.
18 MR. ANDERSON: Objection.
19 A. Yes.
20 Q. And some of those videos
21 have been marked as an exhibit during your
22 deposition?

23 MR. NICYPER: Object to the form of the

24 question.

25 MR. ANDERSON: Object.

1 A. Yes.

2 MR. JEKEL: That is it.

3 (Deposition concluded at 6:00 p.m.)

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1 INDEX TO EXAMINATIONS

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3 Examination Page

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3 INDEX TO EXHIBITS

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1 STATE OF GEORGIA:

2 COUNTY OF FULTON:

3 I hereby certify that the foregoing transcript

4 was reported, as stated in the caption, and the

5 questions and answers thereto were reduced to

6 typewriting under my direction; that the foregoing

7 pages 347 through 537 represent a true, complete,

8 and correct transcript of the evidence given upon

9 said hearing, and I further certify that I am not of

10 kin or counsel to the parties in the case; am not in

11 the employ of counsel for any of said parties; nor

12 am I in anywise interested in the result of said

13 case.

14 Disclosure Pursuant to O.C.G.A. 9-11-28(d):

15 The party taking this deposition will receive the

16 original and one copy based on our standard and

17 customary per page charges. Copies to other parties

18 will be furnished at one half that per page rate.

19 Incidental direct expenses of production may be

20 added to either party where applicable.

21 Our customary appearance fee will be charged to

22 the party taking this deposition.

23 This, the 15th day of November, 1996.

24

FRANCES BUONO, CCR-B-791.

25 My commission expires on the

25th day of April, 1999.

1 DEPOSITION OF WILLIAM M. EWING/FCB

2 I do hereby certify that I have read all questions propounded to me and all answers given
3 by me on the 13th day of November, 1996, taken before Frances Buono, and that:
4
1) There are no changes noted.
5 2) The following changes are noted:

6 Pursuant to Rule 30(7)(e) of the Federal Rules of Civil Procedure and/or the Official Code of
7 Georgia Annotated 9-11-30(e), both of which read in part: Any changes in form or substance which you
8 desire to make shall be entered upon the deposition...with a statement of the reasons
9 given...for making them. Accordingly, to assist you in effecting corrections, please use the form below:
10

11 Page No. Line No. should read:

12
And the reason for the change is:
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14 Page No. Line No. should read:

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1 DEPOSITION OF WILLIAM M. EWING/FCB

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And the reason for the change is:
16

17 If supplemental or additional pages are necessary,
please furnish same in typewriting annexed to this
18 deposition.

19

20 WILLIAM M. EWING

21 Sworn to and subscribed before me,
this the day of , 1996.
22

23 Notary Public
My commission expires:
24

25

1

2

3 AMENDED CERTIFICATE

4

5 STATE OF GEORGIA:

6 COUNTY OF FULTON:

7 I hereby certify that in addition to

8 the certification made on Page 538 of the

9 transcript, more than 30 days provided the

10 deponent to read and sign the original

11 transcript has expired. Therefore, the

12 original is being filed without the signature

13 of the witness.

14 This, the day of , 1996.

15

16

17

18 Frances Buono, CCR-B-791
Certified Court Reporter
19 and Notary Public.

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2

3 AMENDED CERTIFICATE

4

5 STATE OF GEORGIA:

6 COUNTY OF FULTON:

7 I hereby certify that in addition to

8 the certification made on Page 538 of the

9 transcript, this deposition is being filed

10 pending the witness' right to review said

11 deposition within 30 days, which time has not

12 elapsed.

13 This, the day of , 1996.

14

15

16

17 Frances Buono, CCR-B-791
Certified Court Reporter
18 and Notary Public.

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1 UNITED STATES DISTRICT COURT
SOUTHERN DISTRICT OF NEW YORK
2 ----------X
THE PORT AUTHORITY OF NEW YORK AND NEW
3 JERSEY (formerly known as "The Port of
New York Authority") and PORT
4 AUTHORITY TRANS-HUDSON CORPORTION,

5 Plaintiffs,

6 -against- 91 Civ. 0310
(CLB)
7
ALLIED CORPORATION (individually)
8 and as a Subsidiary of "ALLIED-
SIGNAL, INC."), et al.,
9
Defendants.
10 ----------X
UNITED STATES MINERAL PRODUCTS COMPANY
11 and DALEN (formerly Isolatek Corp.),

12 Third-Party Plaintiff,

13 -against-

14 TISHMAN REALTY AND CONSTRUCTION
CO., INC., et_ano,
— ——
15
Third-Party Defendants.
16 ----------X
June 24, 1996
17 10:10 a.m.

18 Deposition of FRANK GRILL, taken by

19 Defendant W.R. Grace & Company -

20 Connecticut, at the offices of Flemming

21 Zulack & Williamson, LLP, One Liberty

22 Plaza, New York, New York, before Eileen

23 M. Campbell, a Shorthand Reporter and

24 Notary Public within and for the State of

25 New York.

1 A P P E A R A N C E S:

2 CHRISTY GRUENLOH, ESQ.

3 Attorney for Plaintiff

4 The Port Authority of New

5 York & New Jersey

6 One World Trade Center, 68N

7 New York, New York 10048

8

9 FLEMMING ZULACK & WILLIAMSON, LLP.

10 Attorneys for Defendant W.R. Grace &

11 Company - Connecticut

12 One Liberty Plaza

13 New York, New York 10006-1404

14 BY: DEAN NICYPER, ESQ.,

15 Of Counsel

16

17 FLEMMING ZULACK & WILLIAMSON, LLP.

18 Attorneys for Defendant GAF Corp.

19 One Liberty Plaza

20 New York, New York 10006-1404

21 BY: CYNTHIA WATKINS, ESQ.,

22 Of Counsel

23

24

25

1 E X H I B I T S

2

3 DEFENDANT'S EXHIBITS GRILL:

1 E X H I B I T S (cont'd.)

2

3 DEFENDANT'S EXHIBITS GRILL:

4 EXHIBIT EXHIBIT PAGE

5 NUMBER DESCRIPTION

6 6 6/20/86 letter to Abe Friedman

7 from Larry Goldberg 182

8

9 I N D E X

10

11 EXAMINATION BY PAGE

12 Mr. Nicyper 6

13

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15 INFORMATION AND/OR DOCUMENTS REQUESTED

16 PAGE LINE

17 121 25

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1 IT IS HEREBY STIPULATED AND AGREED
2 by and between the counsel for the
3 respective parties hereto, that the
4 filing, sealing and certification shall be
5 and the same are hereby waived;
6 IT IS FURTHER STIPULATED AND AGREED
7 that all objections, except as to the form
8 of the question, shall be reserved to the
9 time of the trial;
10 IT IS FURTHER STIPULATED AND AGREED
11 that the within deposition may be signed
12 before any Notary Public with the same
13 force and effect as if signed and sworn to
14 before the Court.
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1 F R A N K G R I L L,
2 residing at 4323 220th Street, Bayside,
3 New York 11361-3351, having been first
4 duly sworn by the Notary Public, was
5 examined and testified as follows:
6 EXAMINATION BY
7 MR. NYCIPER:
8 Q. Would you please state your full
9 name for the record.
10 A. My name is Frank Grill. What else
11 do you want to know?
12 Q. That's it.
13 Could you please state your current
14 residential address.
15 A. 4323 220th Street, Bayside, New
16 York.
17 Q. Mr. Grill, by whom are you
18 currently employed?
19 A. Parsons Brinckerhoff.
20 Q. I see on your card that you've just
21 handed me, Parsons Brinckerhoff Construction
22 Services, Inc. is it?

23 A. Right.

24 Q. Below that it says, "Terminal One

25 Project."

1 A. Yes. That's Terminal One Project
2 at the airport.
3 Q. At JFK Airport?
4 A. At JFK, yes.
5 Q. That's the project concerning I
6 guess what used to be Building 55, is that
7 correct, at JFK Airport?
8 A. It was the Eastern building. I'm
9 not sure. I don't want to guess at the number.
10 Q. It was the Eastern building?
11 A. Right.
12 Q. Are your responsibilities solely in
13 connection with that project --
14 A. Yes.
15 Q. -- or do you do other things for
16 Parsons Brinckerhoff?
17 A. No. Just that project.
18 Q. What are your responsibilities
19 regarding that project?
20 A. Reviewing the plans and
21 specifications, general administration of the
22 contracts and intervention with the Port

23 Authority insofar as submittals of drawings for

24 approval, for review.

25 Q. Your card has you identified as

1 project manager.
2 That's project manager for that
3 particular project?
4 A. Yes. There are several project
5 managers and there's a project director.
6 Q. For how long have you been employed
7 by them?
8 A. It will be one year at the end of
9 July.
10 Q. Did you have a chance to meet with
11 any attorneys for the Port Authority prior to
12 the deposition --
13 A. No.
14 Q. -- today?
15 A. No.
16 Q. You didn't have a chance to meet
17 with Ms. Gruenloh?
18 A. No.
19 Q. You didn't meet with any outside
20 attorneys or any in-house attorneys for the
21 Port Authority?
22 A. No.

23 Q. Have you spoken with anybody else

24 at the Port Authority aside from attorneys,

25 anybody else at the Port Authority regarding

1 this deposition?
2 A. No.
3 Q. Have you spoken with anybody at
4 your current employer regarding this
5 deposition?
6 A. I showed him this (indicating) and
7 told him I would not be in this morning.
8 Q. When you say "this," you're
9 referring to the subpoena?
10 A. Not the envelope, right.
11 Q. That's the subpoena for your
12 deposition?
13 A. Right, it's the subpoena, yes. I
14 circled the date and the place, so...
15 Q. Have you ever had your deposition
16 taken in any matter prior to today?
17 A. For this?
18 Q. For any case whatsoever.
19 A. Yes.
20 Q. On how many occasions have you been
21 deposed previously?
22 A. Once.

23 Q. Do you recall what the nature of

24 the case was?

25 A. It was an accident on a job site.

1 Q. Which job site is that?
2 A. It was a Pan Am job site at
3 Building 53.
4 Q. Building 53 at JFK Airport?
5 A. Yes.
6 Q. When you say "an accident," what
7 was the nature of the injury?
8 A. Someone fell off a scaffolding.
9 Q. Have you ever given any trial
10 testimony in any case?
11 A. No.
12 Q. Have you ever given any testimony
13 in any other type of legal proceeding?
14 A. No.
15 Q. Let me describe a little bit for
16 you what will take place today. I know you've
17 been deposed once before; but as you probably
18 understand, to your right is the court
19 reporter. She's taking down everything said
20 today, all questions asked and all answers
21 given. From that she will produce a
22 transcript, which will be a booklet of the

23 testimony, and you'll have an opportunity to

24 review that. That testimony can be used at

25 other proceedings in this case and at the trial

1 of this case.
2 Do you understand that?
3 A. Yes.
4 Q. One thing I'll ask you to do,
5 because the court reporter takes everything
6 down in written form, it's necessary to answer
7 audibly with a yes or no or whatever your
8 response may be.
9 Do you understand that?
10 A. Yes.
11 Q. I will try to ask my questions as
12 clearly as possible. I sometimes fail in that;
13 but if I do so, please tell me, and if you'd
14 like me to rephrase a question, I'll be happy
15 to do that.
16 A. I certainly will ask.
17 Q. Otherwise, if you answer the
18 question, I'll assume you had an understanding
19 as to what I asked.
20 Is that fair?
21 A. Yes.
22 Q. You received a subpoena in

23 connection with today's deposition; is that

24 correct?

25 A. Yes.

1 Q. Let me show you what I'll ask the
2 court reporter to mark as Exhibit 1. This is a
3 seven-page document for the subpoena for the
4 deposition of Mr. Frank Grill. You can take
5 whatever time you'd like to review that.
6 EXH (Defendant's Grill 1, subpoena with
7 attachment, was marked for
8 identification.)
9 (Witness peruses document.)
10 Q. Have you had a chance to review
11 Exhibit 1?
12 A. Yes, I did briefly.
13 Q. I notice you've pointed out there a
14 couple of pages on Exhibit 1 that are not on
15 the subpoena to you.
16 A. Right.
17 Q. I can represent to you that's what
18 is referred to as an Affidavit of Service that
19 identifies the person who served this on other
20 people in the case, so that's not something you
21 would receive.
22 I see you brought copies of the

23 subpoenas today. Do you mind if I have a look

24 at those.

25 (Witness hands documents.)

1 A. One was mailed and the other was
2 delivered.
3 Q. You received two copies, one by the
4 mail and the other hand-delivered; is that
5 correct?
6 A. Yes.
7 Q. I see you've highlighted certain
8 items on your copies; is that correct?
9 A. Right.
10 Q. If it's okay with you, what I'd
11 like to do is mark one of these as Exhibit 1-A.
12 Would that be all right with you? And if you'd
13 like to keep the original, I can have a copy
14 made at the break.
15 A. I haven't any objections.
16 Q. I don't know if you'd like to keep
17 these subpoenas for your own information in the
18 future.
19 A. No. I just don't want any
20 significance to be put on maybe me underlining
21 things and stuff like that. Is that clearly
22 understood? Because that's only the way I do

23 things.

24 Q. That's fine, and I'll ask you

25 questions about whatever significance that may

1 or may not have, so that's fine.
2 A. Right.
3 Q. When we have a break, what I'll do
4 is mark one of these as Exhibit 1-A, and I
5 don't think we need to mark both of those since
6 they both appear to have essentially the same
7 underlinings.
8 When you received the subpoena, did
9 you have an opportunity to review it, to read
10 it?
11 A. Yes. I was interested in knowing
12 what it was all about.
13 Q. I see you have some underlinings
14 here.
15 A. Right.
16 Q. Those are beginning on the
17 attachment to the subpoena, is that correct, on
18 page 2?
19 A. Right.
20 Q. You underlined some things in red
21 pencil; is that correct?
22 A. Right.

23 Q. All of those are under a section

24 called "Documents to be produced." Do you see

25 that?

1 A. Right.
2 Q. Did you have an opportunity to look
3 for any documents that might come within the
4 subject matter of the documents requested here?
5 A. I had an opportunity to, but I
6 didn't because I haven't any.
7 Q. You don't have any documents that
8 would be responsive to that?
9 A. No. Right.
10 Q. When you left the employ of Pan Am
11 and when you left the employ of Tower Air, you
12 didn't retain any documents concerning your
13 responsibilities?
14 A. No.
15 Q. Looking at page 2 of your copy of
16 the subpoena which we'll be marking as Exhibit
17 1-A, I notice you underlined various words,
18 including the date 1968. Do you see that?
19 A. Right. Yeah, to highlight those
20 areas, that was the important items, I guess
21 the dates and the buildings.
22 Q. The buildings are Building 53, [redacted]

23 and [redacted] Do you see those?

24 A. Right.

25 Q. Are you familiar with those

1 buildings at JFK?

2 A. They're all Pan Am buildings, yes.

3 Q. At some point in time you worked

4 with Pan Am; is that correct?

5 A. From 1960 to 1993.

6 Q. On the last page, page 4, I see a

7 couple of handwritten notes. It looks like

8 somebody's name.

9 Could you read that?

10 A. This is the environmentalist

11 (indicating). May have mentioned --

12 THE WITNESS: Did you call me?

13 MS. WATKINS: We did, yes. I don't

14 think we mentioned any individuals.

15 THE WITNESS: Maybe not.

16 A. This was the environmentalist that

17 was involved in the [redacted]

18 Q. In the [redacted]

19 A. Yes.

20 Q. That's abatement of

21 asbestos-containing materials from [redacted]

22 [redacted]

23 A. Right.

24 Q. One thing, it might be helpful for

25 the court reporter if you can wait for a

1 question to be finished before you start
2 answering. It's easier to get everything on
3 the record.
4 That reference you're making here
5 is to Authentica Environmental; is that
6 correct?
7 A. Yes.
8 Q. You've handwritten that on page 4;
9 is that correct?
10 A. Right.
11 Q. Above that is an individual's name?
12 A. Right.
13 Q. It looks like Ann and the last name
14 is spelled A-t-k-a-b-o-w-s-k-i; is that
15 correct?
16 A. Right.
17 Q. Atkabowski?
18 A. Yes.
19 Q. What responsibilities did Ms.
20 Atkabowski have?
21 A. I reported to her at Tower Air.
22 Q. It looks like next to her name

23 you've written the words "VP operations"?

24 A. Right.

25 Q. Is she located at JFK Airport?

1 A. I don't know where she's located
2 now.
3 Q. At that time was she located at JFK
4 Airport?
5 A. Yes.
6 Q. Was she the most senior Tower Air
7 person located at JFK Airport?
8 A. No. The owner also was located
9 there.
10 Q. Does Tower Air have other
11 facilities other than at JFK Airport?
12 A. I'm not aware. I don't know.
13 Q. Is that something you would know
14 about if they did have such facilities?
15 A. No. Because I was only involved in
16 that particular project.
17 Q. You wouldn't have heard about any
18 other Tower Air --
19 A. No.
20 Q. Do you know if they have other
21 terminals in the United States?
22 A. I don't know.

23 Q. Never heard about any?

24 A. I know they fly to other locations,

25 but I don't know if they have terminals there.

1 They could just lease space, you know, counters
2 or...
3 Q. They fly to other locations in the
4 United States; is that correct?
5 A. Yes.
6 Q. Above those handwritten words, Item
7 10 on Exhibit 1-A asks for documents, and it
8 says "...sufficient to identify Tower Air,
9 Inc.'s officers, directors, principals,
10 employees and agents."
11 Do you see that?
12 A. Yes.
13 Q. You have that underlined; is that
14 correct?
15 A. Yes.
16 Q. Next to it you've an asterisk next
17 to the "officers" I see; is that correct?
18 A. Yes.
19 Q. Why did you do that?
20 A. Just to highlight it.
21 Q. I don't see that there are any
22 other asterisks on the document.

23 Is there some particular

24 significance you gave to that item?

25 A. No.

1 Q. Maybe the easiest thing to do at
2 this point is to try to proceed a little bit
3 through your background so I can get an
4 understanding of the sequence of events here.
5 It appears you've had various
6 involvement with various different facilities
7 and entities at JFK Airport, so it might be
8 helpful to get a full understanding of that.
9 Could you tell me your employment
10 background since high school -- I'm sorry. Why
11 don't we start with your educational background
12 since high school.
13 A. Pratt Institute, Brooklyn, New
14 York.
15 Q. Did you receive a degree from
16 Pratt?
17 A. Bachelor of Science in construction
18 management.
19 Q. What year was that?
20 A. '60 -- I don't recall. It was in
21 the early '60s, early, mid '60s. The mid '60s.
22 Q. Have you received any other degrees

23 since high school?

24 A. No.

25 Q. Have you taken any graduate

1 courses?
2 A. No.
3 Q. What was your first employment upon
4 graduating from Pratt Institute?
5 A. I was with Pan Am at the time.
6 Q. You were already employed by Pan
7 Am?
8 A. Yes.
9 Q. When did you begin your employment
10 with Pan Am?
11 A. January 1, 1960.
12 Q. Was that the first employment you
13 had?
14 A. No.
15 Q. Why don't I go back to my original
16 question then.
17 What is the first employment you
18 had since graduating from high school?
19 A. I believe, I believe it was U.S.
20 Testing of Hoboken located in Hoboken, New
21 Jersey.
22 Q. Do you know approximately what year

23 that was, or the year you graduated from high

24 school would be a...

25 A. I don't want to guess at it. I

1 don't know. I can tell you I got out of the
2 Service, I think it was in '53.
3 Q. Do you recall when you graduated
4 from high school?
5 A. No. No, I don't remember the year.
6 Q. What is your birthday?
7 A. 12/16/32.
8 Q. You were in the Service in the
9 early '50s?
10 A. '52 and '53. '52 -- I went in, I
11 believe it was '52, and I got out two years
12 after that.
13 Q. That would be approximately 1952 to
14 1954; is that correct?
15 A. Right.
16 Q. What did you do in the Service?
17 A. I drove a jeep, infantry.
18 Q. After you left the Service, you
19 went to U.S. Testing?
20 A. Yes, I believe so.
21 Q. What was the business of U.S.
22 Testing in Hoboken?

23 A. I was a concrete inspector.

24 Q. How long did you work at U.S.

25 Testing?

1 A. Two or three years.
2 Q. That would take us to approximately
3 1956 or 1957?
4 A. Right.
5 Q. In approximately 1956 or '57, what
6 employment did you take?
7 A. I worked for a group of architects
8 and engineers doing administrative work for the
9 construction of one of the hangers.
10 Q. What was the name of the
11 architectural firm?
12 A. Winston Churchill. If memory
13 serves me, it was Winston something Churchill.
14 Q. They did work for Port Authority
15 buildings?
16 A. No. This was design of the hanger
17 for Pan Am.
18 Q. Which hanger was that?
19 A. Hanger 14.
20 Q. Do you recall the names of the
21 architects who worked on that project?
22 A. The architects?

23 Q. Yes, the individuals.

24 A. No.

25 Q. You don't recall the names of any

1 individuals you worked with on that project?
2 A. No.
3 Q. To whom did you report?
4 A. I reported to a project manager,
5 who I don't recall his name. It was for a
6 period of about a year or two. And there were,
7 I believe, four engineers on a part-time,
8 full-time basis that represented the four
9 disciplines: Mechanical, electrical,
10 structural...
11 Q. What were your responsibilities
12 when working for the company Winston Churchill?
13 A. File plans, took notes, did chores
14 around the office insofar as researching
15 information, plans and specifications, things
16 of that nature.
17 Q. Were you out at the site?
18 A. Yes.
19 Q. Hanger 14 is a steel structure; is
20 that correct?
21 A. Reinforced concrete.
22 Q. It's all reinforced concrete?

23 A. Yes.

24 Q. When was Hanger 14 actually

25 constructed?

1 A. Must have been a year or two prior
2 to '60. They opened in I think mid '60s. I'm
3 not too sure of the month.
4 Q. Did you work on any other projects
5 during the period of time you worked for the
6 Winston Churchill firm?
7 A. No.
8 Q. For how long did you work for them,
9 approximately two years you said?
10 A. Approximately. That's a guess.
11 Q. That would take us up to
12 approximately somewhere between 1958 and 1960?
13 A. Right. Well, I started with Pan Am
14 January '60.
15 Q. That was upon leaving the firm
16 Winston Churchhill?
17 A. From there I went to work for a
18 short period of time for Corbetta Construction.
19 These were interim jobs.
20 Q. What were your responsibilities
21 with Corbetta Construction?
22 A. Assistant superintendent.

23 Q. On what project did you work?

24 A. Building [redacted] -- I'm sorry. [redacted]

25 Building [redacted]

1 Q. Again, that's at JFK Airport?
2 A. Yes.
3 Q. Or I guess what was at that time
4 called Idlewild Airport; is that correct?
5 A. Yes.
6 Q. Building [redacted] what use was that put
7 to?
8 A. It was an old jet engine overhaul
9 building.
10 Q. That was new construction at that
11 time?
12 A. Yes.
13 Q. What type of structure was that
14 building?
15 A. Steel frame.
16 Q. How many stories was the building?
17 A. Two stories but only, the second
18 story was only for a small-portion
19 administrative area.
20 Q. An office space?
21 A. Right, an office space.
22 Q. Do you recall that that steel

23 structure had spray-on fireproofing on it?

24 A. There were some portions, some

25 additions I believe had spray-on, yes.

1 Q. When you say "some additions," for
2 the original construction in approximately this
3 time, in 1960, none of that had spray-on
4 fireproofing on it?
5 A. Not to my knowledge.
6 Q. When were additions constructed
7 that included the use of spray-on fireproofing?
8 A. I don't remember the dates, but I
9 can tell you there were three, I believe there
10 were three extensions to the building.
11 Q. Approximate dates. Was it within a
12 couple of years of the original construction?
13 A. Yes.
14 Q. Did Corbetta Construction handle
15 those additions?
16 A. In that there was more than one
17 addition, I'm not a hundred percent sure they
18 did all of the two or three additions. I
19 believe they did, but I'm not certain.
20 Q. You know they did one?
21 A. Yes.
22 Q. At least one?

23 A. Right, yeah.

24 Q. Did you have an opportunity to be

25 at the site when the additions were being

1 constructed?
2 A. Yes.
3 Q. So you were still at Corbetta
4 Construction during that time?
5 A. Yes. I went from Corbetta
6 Construction to Pan Am.
7 Q. That was in 1960?
8 A. 1960. So '59 I was with Corbetta
9 Construction.
10 Q. The additions were already underway
11 or being constructed at the time you were with
12 Corbetta Construction; is that correct?
13 A. Repeat it.
14 Q. Were any of the additions already
15 being constructed while you were still with
16 Corbetta Construction?
17 A. Yes.
18 Q. Did you have an opportunity to
19 observe the project during the time that
20 spray-on fireproofing was being applied?
21 A. Yes.
22 Q. Do you know what type of

23 fireproofing was used?

24 A. No.

25 Q. When I say "type," is your response

1 meaning you don't know who the manufacturer of
2 that material was?
3 A. Right, I do not know.
4 Q. Aside from the manufacturer, did
5 you observe whether it was a cementitious type
6 material? Does that word have any significance
7 to you when it comes to spray-on fireproofing?
8 A. I've heard the term.
9 Q. Was the material used in this
10 Building 214, was that a cementitious or a
11 fibrous type of fireproofing?
12 A. I'm not certain. I don't know.
13 Q. Was it your understanding at that
14 time that it was an asbestos-containing
15 material?
16 A. I would say no.
17 Q. Do you recall one way or another?
18 A. No.
19 Q. Is it June in 1960 when you began
20 with Pan Am?
21 A. January.
22 Q. What position did you take when you

23 started with Pan Am in January 1960?

24 A. Technical assistant.

25 Q. What were your responsibilities as

1 technical assistant for Pan Am?
2 A. Keeping track of construction costs
3 for projects being run by others.
4 Q. When you say "run by others," who
5 are the others to whom you refer?
6 A. There was a department of 16
7 people, all involved in facility matters. Some
8 design, ticket offices around the world, clubs,
9 reservations.
10 Q. These are other people, then, who
11 are also employed by Pan Am?
12 A. Right, other Pan Amers.
13 Q. I see. So you kept track of
14 construction costs for projects being run by
15 other Pan Am employees?
16 A. Right.
17 Q. What department or division were
18 you in?
19 A. It was then called properties and
20 facilities.
21 Q. Where were you located?
22 A. Hanger 14.

23 Q. Was that Pan Am's primary office

24 facility at JFK Airport?

25 A. Yes, at that time. Yes.

1 Q. Where was its principal offices
2 nationwide at that time?
3 A. Chrysler Building.
4 Q. That's in New York City?
5 A. Yes.
6 Q. Were all of the projects on which
7 you kept track of construction costs, were they
8 projects at JFK Airport?
9 A. No.
10 Q. What projects, if any, at JFK
11 Airport did you keep track of construction
12 costs for?
13 A. Miscellaneous, small projects.
14 Q. What projects elsewhere did you
15 keep track of construction costs for?
16 A. Really around the world.
17 Q. Were these terminal constructions?
18 A. No. They were basically
19 reservation offices, commissaries, city ticket
20 offices, airport ticket office, things of that
21 nature.
22 Q. That was worldwide?

23 A. Yes.

24 Q. The facility that Pan Am had at

25 Hanger 14, then, obviously from what you're

1 saying, had responsibility for more than just
2 JFK buildings at that time?
3 A. Oh, yes. It was a system.
4 Q. When you say "a system," what do
5 you mean by that?
6 A. Properties department, Properties
7 and Facilities Department was responsible for
8 the real estate and construction system-wide.
9 At one time it was the Pacific and then the
10 Atlantic and then they merged. That's when I
11 joined them in '60. Then it was a department
12 that concerned itself with those affairs
13 worldwide.
14 Q. To whom did you report at that
15 time?
16 A. Karl Brook.
17 Q. Karl Brook?
18 A. Mr. Karl Brook.
19 Q. Is that spelled with a C or a K?
20 A. A "K."
21 Q. Was Mr. Brook head of the
22 Properties and Facilities Division?

23 A. He was second in command.

24 Q. For how long did you hold the

25 position technical assistant within the

1 Properties and Facilities Division?
2 A. I don't know. Approximately a
3 couple years. When I got my degree, I became a
4 project manager or whatever.
5 Q. Did Pan Am pay for your schooling
6 at Pratt Institute?
7 MS. GRUENLOH: Off the record.
8 (Discussion held off the record.)
9 Q. You ceased your position as
10 technical assistant in approximately 1962?
11 A. '62, yes.
12 Q. In approximately that time, what
13 position did you take? Were you still with Pan
14 Am?
15 A. Yes. I was continually employed
16 from '60 to '93.
17 Q. What position with Pan Am did you
18 take in approximately 1962?
19 A. Project manager.
20 Q. Had Pan Am sent you to school at
21 Pratt Institute in order to get the degree you
22 received?

23 A. No.

24 Q. You did that on your own?

25 A. Yes.

1 Q. Once you received that degree, that
2 made you eligible to be a project manager; is
3 that correct?
4 A. Yes.
5 Q. When you say "project manager," was
6 there a particular project you were working on
7 in approximately 1962 that you were manager of?
8 A. I do not recall any particular
9 projects. Most of the projects, though, were
10 related to work in the New York area as opposed
11 to ticket offices, et cetera, overseas.
12 Q. When you say "the New York area,"
13 is that broader than just JFK Airport?
14 A. It could have included [redacted]
15 It could have included maybe one or two
16 projects overseas that I prepared some drawings
17 for, but I did not travel.
18 Q. As project manager, what were your
19 responsibilities?
20 A. To see that drawings were prepared
21 either in-house, with in-house staff or outside
22 architects. Process those drawings through the

23 Port Authority for approval, to implement the

24 program, estimate costs and obtain financial

25 approval within the company for final

1 completion.
2 Q. In having drawings approved by the
3 Port Authority, what was the procedural route
4 you followed in order to get that done?
5 A. The procedure was to submit to the
6 Port Authority plans; if required,
7 specifications signed by the architect or
8 engineer who was doing the designing of that
9 particular project.
10 Q. This would be, Pan Am's architect
11 or engineer would sign that document?
12 A. Outside engineers.
13 Q. Did Pan Am have any of its own
14 in-house architectural staff?
15 A. Yes, but the people within the
16 department didn't prepare drawings for work
17 that required signing of professional engineers
18 at the airport. Those projects went out.
19 Unless it was to change a closet or something,
20 you know, decorating, our people would get
21 involved in that.
22 Q. Significant projects were handled

23 for Pan Am by outside architectural firms?

24 A. Yes.

25 Q. Do you recall to which department

1 at the Port Authority you submitted these types
2 of plans?
3 (Pause)
4 Q. Maybe I can help you out. Was
5 there a tenant liaison office?
6 A. Tenant liaison office, right. That
7 the letters were addressed to, right.
8 Q. Was there an individual in those
9 offices -- it wasn't the resident engineer
10 then?
11 A. No. It was the manager, airport
12 manager.
13 Q. It went through the airport
14 manager?
15 A. Right, office.
16 Q. Was it a business administration
17 division?
18 A. No. The business administration
19 division concerned itself -- I'm not a hundred
20 percent sure. Ninety percent sure that
21 business administration concerned themselves
22 with lease, documents of leasing.

23 Then the airport manager of

24 facilities is the department that the tenant

25 alteration applications are addressed to.

1 Q. Tenant alteration applications are
2 not necessarily only for alterations; is that
3 correct? It might even be for a new building
4 you'll submit a TAA?
5 A. Yes, it's for alteration, new
6 building, any construction.
7 Q. Do you recall a unit at the Port
8 Authority referred to as the Tenant
9 Construction Review Unit, TCRU?
10 A. Yes, but -- yes.
11 Q. Did they have anything to do with
12 review of Pan Am specifications or Pan Am plans
13 to your knowledge?
14 A. I would assume.
15 Q. Pan Am, however, if I understand
16 from your response, then, did not have direct
17 communications with that unit, but instead went
18 through the tenant liaison unit?
19 A. Yes, yes.
20 Q. Before I get too sidetracked, let
21 me continue going through your chronological
22 employment history.

23 For approximately how long were you

24 a project manager with Pan Am, which job you

25 took in 1962?

1 A. Up until '75.
2 Q. What department or division at Pan
3 Am were you in at the time you were project
4 manager?
5 A. Properties and facilities.
6 Q. How many other project managers
7 were there at that time?
8 A. I'm not certain. I would say,
9 depending on what period, three to five or six,
10 in that area. Because some were considered
11 designers, others engineers. The titles vary.
12 Q. In approximately 1975, what
13 position did you take with Pan Am?
14 A. I went into the Pan Am Building as
15 director of facilities.
16 Q. Prior to 1975, were you located at
17 JFK Airport the entire time?
18 A. Yes.
19 Q. Was it always at [redacted] or
20 did you move during that period?
21 A. I believe it was always at Building
22 14, yes.

23 Q. And then in 1975, you moved to the

24 Pan Am Building --

25 A. Yes.

1 Q. Otherwise, what you referred to
2 earlier as the Chrysler Building in New York
3 City; is that correct?
4 A. No. The Pan Am Building was the
5 Pan Am Building.
6 Q. This is the Pan Am Building right
7 next to Grand Central Station; is that correct?
8 A. Right.
9 Q. What were your responsibilities as
10 director of facilities?
11 A. I was responsible for the services
12 and subleasing program that took place in the
13 Pan Am Building. Services meaning mail,
14 archive, office, contract...
15 (Pause)
16 A. Executive clearances, translation.
17 Q. This all concerned services
18 provided in the Pan Am Building itself?
19 A. Yes.
20 Q. Your responsibilities did not
21 concern other buildings at that time?
22 A. It concerned other buildings

23 insofar as sublet space. We had other spaces

24 in mid Manhattan that we sublet, you know, to

25 others.

1 Q. Did you have any responsibilities
2 during the time you were director of facilities
3 for any building at JFK Airport?
4 A. During that period?
5 Q. Yes.
6 A. No.
7 Q. The second area, you said, of your
8 responsibilities involved a subleasing program.
9 That's subleasing of space within
10 the Pan Am Building?
11 A. Inside the Pan Am Building, right.
12 Just monitored.
13 Q. What do you mean, "just monitored"?
14 A. Well, collecting of rent, things of
15 that nature. I didn't negotiate spaces or the
16 cost of that.
17 Q. When was the Pan Am Building
18 constructed?
19 A. I don't know.
20 Q. For how long were you director of
21 facilities?
22 A. I left in -- ten years. '75 to

23 '85.

24 Q. What position did you take in 1985?

25 A. Took the position of director,

1 design and construction.
2 Q. As director of facilities were you
3 still in the Properties and Facilities Division
4 or Department?
5 A. Yes, but it changed from properties
6 and facilities, and I'm not too sure what
7 period that was or what date, to Corporate Real
8 Estate.
9 Q. As director of design and
10 construction, the position you took in 1985,
11 what department or division at Pan Am were you
12 in at that time?
13 A. That was Corporate Real Estate, I
14 believe.
15 Q. What were your responsibilities as
16 director of design and construction?
17 A. To, again, see that costs were
18 established for projects that the corporation
19 needed, projects --
20 Q. When you say costs for projects,
21 you're talking about estimating costs for
22 future projects?

23 A. Right, estimating costs for

24 projects and just define those costs in part

25 for facilities that the corporation thought

1 they needed.
2 Q. Was there any limitation with
3 respect to region or location that your
4 responsibilities covered, or was that
5 nationwide or worldwide?
6 A. I primarily got involved in
7 projects at the airport. However, I had a
8 staff that did projects overseas. To some
9 extent, I was responsible for their
10 performance.
11 Q. When you say primarily your
12 responsibilities concerned the airport, again
13 you're referring to JFK Airport?
14 A. Yes.
15 Q. For how long a period of time were
16 you director of design and construction?
17 A. Until I left in '93.
18 Q. At that time you retired from Pan
19 Am?
20 A. They retired me.
21 Q. Just so the record is clear, at
22 that time did Pan Am go into bankruptcy?

23 A. I believe so, yes.

24 Q. Do you receive any benefits from

25 Pan Am in any way since their bankruptcy?

1 A. I'm receiving a pension.
2 THE WITNESS: Off the record.
3 MR. NICYPER: Yes.
4 MS. GRUENLOH: Off the record.
5 (Discussion held off the record.)
6 Q. Just off the record you were just
7 explaining you believe that comes from the
8 Pension Guarantee Corporation; is that correct?
9 A. Yeah.
10 Q. Did you have any involvement
11 whatsoever in the Pan Am bankruptcy? By
12 "involvement," I mean administratively or
13 handling any affairs directly related to the
14 bankruptcy.
15 A. For a period of time, I assisted in
16 selling assets.
17 Q. Would those include assets at JFK
18 Airport?
19 A. Yes.
20 Q. What position did you take in 1993?
21 A. After I left Pan Am?
22 Q. After you left Pan Am.

23 A. I went to work for Tower Air.

24 Q. Do you recall when in 1993 that

25 was?

1 A. I believe it was March '93.
2 Q. I see you have a little note pad
3 that has some of these dates on it.
4 Do you recall how you refreshed
5 your recollection regarding those dates? Do
6 you have a calendar, or do you have something
7 that you used to remind yourself?
8 A. My wife assisted me this morning
9 looking on our tax returns. But I remember it
10 was in March of '93.
11 Q. What position did you take with
12 Tower Air in March 1993?
13 A. I took a position to monitor their
14 construction project at JFK.
15 Q. Did you have a title or were you
16 given a title?
17 A. No.
18 Q. When you say "monitor their
19 construction project at JFK," you're referring
20 to what previously was a Pan Am, originally a
21 terminal building, turned into an office and
22 storage building and was now being converted

23 back to a terminal building for Tower Air; is

24 that correct?

25 A. Right.

1 Q. That was Building [redacted]?
2 A. Yes.
3 Q. Tower Air was undertaking
4 renovation in Building [redacted] at that time?
5 A. Yes.
6 Q. Was that one of the assets that you
7 were assisting in selling in connection with
8 the Pan Am bankruptcy? Building [redacted] I'm
9 referring to now.
10 A. Could you explain "sell." I got
11 involved in selling the furniture that was
12 within that building, but had nothing to do
13 with the building itself or lease agreement or
14 anything of that nature.
15 Q. Who handled that?
16 A. A --
17 Q. The lease agreement I'm referring
18 to.
19 A. In that, most probably there were
20 many, many attorneys involved in that. I can't
21 give you any names, but a gentleman, Peter
22 Dugre, who was the head of our Properties and

23 Facilities Department, I imagine would have

24 gotten involved to some extent or could have

25 gotten involved to some extent.

1 Q. Where did Mr. Dugre go after the
2 Pan Am bankruptcy, do you know?
3 A. I don't know. He may still be
4 there. I don't know.
5 Q. He may still be --
6 A. With Pan Am.
7 Q. -- resolving the liquidation of
8 assets?
9 A. Right.
10 Q. For how long were you with Tower
11 Air?
12 A. As an employee, nine months.
13 Q. You say "as an employee." Was
14 there some other capacity in which you
15 continued to work with Tower Air?
16 A. I worked on a consultant basis.
17 Q. For how long did you provide
18 consulting services to Tower Air?
19 A. From 2/94 to 7/95.
20 Q. Again, were your responsibilities
21 essentially the same as those which you had had
22 to monitor the construction project at JFK [redacted]?

23 A. Generally speaking, yes.

24 Q. In July 1975, what position did you

25 take?

1 A. I joined Parsons Brinckerhoff.
2 Q. I'm sorry. Let me correct the
3 transcript on that. July 1995. In July
4 1995 --
5 A. Yes.
6 Q. -- that's when you started with
7 Parsons Brinckerhoff?
8 A. Yeah, July 31, yes.
9 Q. How did you come to hold that
10 position? Did you go and talk to the TOGA One
11 people, or did they come to you?
12 A. It was both. I was networking, and
13 I had called the gentleman I report to now.
14 And some time went by, and I guess he had a
15 conversation with someone and says, well, what
16 about Frank Grill, and he called me.
17 Q. Who is it that you report to now?
18 A. A Mr. Bill Snowden.
19 Q. Is Mr. Snowden at TOGA, or is he at
20 Parsons Brinkerhoff?
21 A. Parsons Brinkerhoff.
22 Q. Does Parsons Brinkerhoff handle

23 responsibilities other than the TOGA project,

24 or is that their exclusive responsibility at

25 this time?

1 A. I believe Terminal One is TOGA's
2 only responsibility, yes.
3 Q. Aside from TOGA, though, does
4 Parsons Brinkerhoff provide service for any
5 building other than Terminal One?
6 A. Oh, they're a large engineering
7 firm, yes, which I've just learned about.
8 Q. Mr. Snowden works for Parsons
9 Brinkerhoff currently; is that correct?
10 A. Yes.
11 Q. Is there a separate group that
12 focuses on the Terminal One Project? Separate
13 group within Parsons Brinkerhoff I'm talking
14 about.
15 A. Repeat the question. I don't think
16 so, no. We're the only group of people from
17 Parsons Brinkerhoff that concerns ourselves in
18 this capacity. There's the engineers. There's
19 the construction manager. There's financial
20 people and et cetera.
21 Q. My question was not clear, and I
22 appreciate your question regarding it.

23 Within Parsons Brinkerhoff, there

24 is a certain group of people who are dedicated

25 to this project solely; is that correct?

1 A. Yes.
2 Q. Does that group have a title within
3 Parsons Brinkerhoff?
4 A. Not to my knowledge.
5 Q. Mr. Snowden, did he previously work
6 for Pan Am?
7 A. No.
8 Q. Did he previously work for anybody
9 at the airport prior to taking on this project?
10 A. I believe he worked for Delta
11 Airlines. I believe -- I know he worked for
12 Delta Airlines.
13 Q. The Terminal One Group Association,
14 as it's called, which is where the acronym
15 "TOGA" comes from; is that correct?
16 A. Yes.
17 Q. That's a group of airlines; is that
18 correct?
19 A. Yes.
20 Q. Is it a joint venture to your
21 knowledge?
22 A. I don't know the legal definition

23 of joint venture, so let me not get involved in

24 things I don't know about. There are four

25 airlines.

1 Q. Which are the four?
2 A. Japan Airlines, Korea, Air France,
3 and Lufthansa.
4 Q. What is the current status of that
5 project, the Terminal One Project?
6 A. Piles and pile caps are 90 percent
7 complete.
8 Q. The old Building 55 has been
9 demolished?
10 A. Yes.
11 Q. Is there any part of that structure
12 that still stands?
13 A. Not to my knowledge.
14 Q. So they've put in the piles for the
15 support structure for the new building?
16 A. Yes.
17 Q. Who are the individuals at TOGA
18 itself who handle its responsibilities? Who's
19 the head of TOGA? Is there an individual who's
20 the president of the Terminal One Group
21 Association?
22 A. Gentleman's name is, I believe,

23 Deider Berk (phonetic). I don't know how to

24 spell it.

25 Q. Deider?

1 A. Berk.
2 Q. Berk?
3 A. Yes. And he's with Lufthansa.
4 Q. He's with Lufthansa but heads the
5 association?
6 A. Yes, right.
7 Q. Who else, to your knowledge, works
8 within the association, the TOGA association?
9 A. Alain Content with Air France.
10 Q. Could you spell that for the
11 record?
12 A. A-l-a-i-n C-o-n-t-e-n-t.
13 Q. Is there anybody else you're
14 familiar with that works within the association
15 referred to as TOGA?
16 A. There are two other gentlemen. One
17 is representing Korea Airlines, and the other
18 is Japan Airlines. Unfortunately, I don't know
19 their names or their names slip me.
20 Q. Who within TOGA, if you know,
21 handled responsibility for the lease
22 negotiations with the Port Authority?

23 A. I don't know.

24 Q. Does TOGA maintain its own offices?

25 A. There's an office, Hanger 14 -- or

1 Building 14.
2 Q. At Building 14?
3 A. Yes.
4 Q. Building 14 at JFK is the Port
5 Authority administration building; is that
6 correct?
7 A. Yes.
8 Q. Do you know approximately how large
9 TOGA's offices are within that building?
10 A. Fifteen hundred square feet. I'm
11 guessing.
12 Q. Approximately how many individuals
13 work in that office to the best of your
14 knowledge from having been there?
15 A. Seven, eight people.
16 Q. Does that include clerical staff?
17 A. Yes.
18 Q. That includes professionals as well
19 as clerical staff?
20 A. Right.
21 (Pause)
22 A. Maybe that's 11 people.

23 Q. Including clerical staff?

24 A. Yes.

25 Q. Your best estimate, how many of

1 those are clerical people and how many of them
2 are professionals?
3 A. Two to three clerical. You say
4 "professional," are you talking -- you know,
5 when you say "professional," I think of
6 professional architect or this, that and the
7 other thing, and I don't know how many --
8 Q. I see. There were two or three
9 clerical, and the others are not clerical?
10 A. Right. Okay. Right.
11 Administrative.
12 Q. Does Mr. Berk work in that office?
13 A. He visits. He hasn't got a
14 full-time office there.
15 Q. The same with Alain Content?
16 A. No. Alain Content has an office
17 and he's there every day.
18 Q. What are his responsibilities to
19 your knowledge?
20 A. Alain Content is chief property
21 officer.
22 Q. Do you know whether those

23 responsibilities include lease negotiations?

24 A. I don't know.

25 Q. Are you familiar with an individual

1 named Paul Demkovitch?
2 A. Yes.
3 Q. Does he work at the TOGA office
4 also?
5 A. They have separate offices. They
6 do not work in the same office that we're in.
7 Q. When you say "we're in," is your
8 office at Building 14 now?
9 A. Yes. It's in an adjacent office or
10 it's another office that's separated, okay, by
11 other tenants.
12 Q. Those are offices of Parsons
13 Brinkerhoff?
14 A. Right.
15 Q. Those are separate offices you've
16 described regarding TOGA; is that correct?
17 A. The TOGA and the Parsons
18 Brinkerhoff office, one office. Demkovitch is
19 in this office (indicating), which is separated
20 by 40, 50 feet. It's a separate office.
21 Q. He's 40, 50 feet down the hall?
22 A. Yes.

23 Q. The 11 people you discussed working

24 for TOGA in Building 14, do those include

25 Parsons Brinkerhoff people?

1 A. Yes.
2 Q. Did you mean to include in that Mr.
3 Demkovitch as well?
4 A. No.
5 Q. They have another office in
6 Building 14?
7 A. Yes.
8 Q. Approximately how many people work
9 in that office?
10 A. Two or three. I do not believe
11 they're there on a regular nine to five basis.
12 I'm not certain though.
13 Q. If we wanted to speak to somebody
14 at TOGA regarding lease negotiations, who would
15 be the best person to talk to?
16 A. Deider Berk; Mr. Content; or AAP,
17 Airport and Airline Professionals.
18 Q. Who is AAP?
19 A. That's Mr. -- you just said his
20 name. Paul.
21 Q. Mr. Demkovitch?
22 A. Yes.

23 Q. He works for a consulting firm?

24 A. Yes.

25 Q. That's a consulting firm that TOGA

1 has retained in connection with this project?
2 A. Yes.
3 MR. NICYPER: This might be a good
4 time to take a break.
5 (Recess taken.)
6 EXH (Defendant's Grill 1-A, subpoena
7 with highlighting, was marked for
8 identification.)
9 Q. The card you handed me a minute ago
10 states on it "Parsons Brinkerhoff Construction
11 Services, Inc., Terminal One Project, JFK
12 Airport Building 14, Suite 11, Jamaica, New
13 York 11430, and there is a number here,
14 718-632-2790.
15 Is that your direct number there?
16 A. 2790 is the number, right. No,
17 it's not a direct number. It's an office
18 number.
19 Q. It's an office number for Parsons
20 Brinkerhoff?
21 A. For TOGA.
22 Q. Where is Parsons Brinkerhoff's main

23 offices, if there are?

24 A. It's on 31st Street and -- 31st or

25 32nd Street by Penn Station.

1 Q. In Manhattan?
2 A. In that area. I don't know. It
3 may be One Penn Plaza, but I don't want to
4 guess.
5 Q. If I could, I'd like to focus for a
6 bit of time on your responsibilities beginning
7 in 1962 to 1975 as project manager in the
8 Properties and Facilities Department.
9 What projects did you work on in
10 that period of time? Let me ask it more
11 broadly. What -- no. Let's keep it at that.
12 What projects did you work on during that
13 period, 1962 to 1975, as project manager?
14 A. '62 to '75, right?
15 Q. Yes, during the period of time you
16 were project manager.
17 (Pause)
18 A. Off the record.
19 Q. We can keep it on the record.
20 A. You have to give me a moment.
21 Q. That's fine. Take as much time as
22 you need.

23 (Pause)

24 A. I worked on projects establishing

25 shops in Hanger 14; Hanger 17; Hanger 16;

1 extensions of Building 214; construction of a
2 small cargo facility, prefab.
3 Q. Did that have a building number?
4 A. No, I don't remember. I believe it
5 was A1, but this goes back.
6 Renovation to a commissary.
7 Q. Where was the commissary located?
8 A. Building 14.
9 In addition to monitoring, continue
10 to monitor the costs for these other projects
11 there.
12 Q. Did you have any responsibility in
13 any construction during that period of time
14 concerning Building [redacted] at JFK?
15 A. No.
16 Q. Were you located at Building 213?
17 No, you were located in Building 14?
18 A. Building 14, Hanger 14.
19 Q. At any time were you located at the
20 offices at Building [redacted]?
21 A. We had temporary offices there, and
22 it may have been for nine months. What period,

23 I don't know.

24 Q. Did you have any responsibilities

25 in any way with any construction work done at

1 Building 53 during this period of time, 1962 to
2 1975?
3 A. Not that I'm aware of.
4 Q. You were not involved in the large
5 expansion project for the Pan Am Worldport?
6 A. The Pan Am Worldport, no, I was
7 not.
8 Q. Who handled that?
9 A. There was an engineer by the name
10 of James Queen who handled that. In part who
11 handled that project. There were many others.
12 Q. Did you have any involvement in any
13 construction or renovation projects during this
14 period, 1962 to 1975, at [redacted]
15 A. I don't believe so, no.
16 Q. Did you do any cost estimating for
17 the projects at [redacted] and
18 Building 53?
19 A. During that period?
20 Q. During that period.
21 A. I do not believe so.
22 Q. Who would handle the cost

23 estimating for that?

24 A. Other project engineers we had.

25 Q. Your cost estimating

1 responsibilities did not necessarily concern
2 monitoring all construction projects for Pan
3 Am; you just had a certain portion designated
4 to you?
5 A. There were certain projects that I
6 personally handled, projects that others
7 handled, and it was just a review, a monthly
8 review as to how the projects were going. That
9 was strictly an administrative...
10 Q. I'd like to switch periods, if I
11 could. During the period 1985 to 1993, during
12 which time you were director of design and
13 construction within the Corporate Real Estate
14 Department, during that period of time, did you
15 have any responsibilities that concerned
16 Building [redacted]?
17 A. No.
18 Q. When you took over with Tower Air
19 in March 1993, you had not had any previous
20 experience with Building [redacted]?
21 A. Not that I recall, no.
22 Q. Do you recall why it was that Tower

23 Air asked you to get involved in that project

24 at that building at that time?

25 A. They didn't ask me. I was looking

1 for employment.
2 Q. Were you familiar with that
3 building?
4 A. I was familiar with the building in
5 that it was there and that Pan Am had occupied
6 it, in that Pan Am had built it for a terminal
7 building for the San Juan arrival flights. I
8 was aware that they converted it to an office
9 building for the purchasing department, which I
10 had not gotten, obviously not gotten involved
11 in that alteration or whatever. So I was aware
12 to that extent.
13 Q. You had not been familiar with
14 building plans prior to 1993?
15 A. No, I didn't get involved in the
16 planning of that or the construction of that or
17 even the conversion of that.
18 Q. During the period 1985 to 1993,
19 when you were director of design and
20 construction in the Corporate Real Estate
21 Department, did you have any responsibilities
22 at all with respect to Building [redacted] the cargo

23 building?

24 A. Minimal. We weren't doing any work

25 at that, at that period of time. Minimum.

1 Q. You don't recall doing work during
2 that period of time?
3 A. Right, no, I don't recall.
4 (Pause)
5 A. The only project I got involved in,
6 I believe I solicited proposals, and I'm not
7 certain of this because I don't think anything
8 ever happened with it, but I think I had gotten
9 involved in getting proposals for some
10 abatement. That's [redacted].
11 Q. Yes, [redacted].
12 A. Right.
13 Q. You were involved to some extent in
14 getting proposals for asbestos abatements?
15 A. Right.
16 Q. Do you recall how many asbestos
17 abatements there were?
18 A. It was only one area.
19 Q. What area of the building was that?
20 A. It was the receiving dock or a
21 portion of the receiving dock.
22 Q. Do you recall what type of material

23 was being abated? Was it pipe insulation or

24 tile?

25 A. No. It was on steel, fireproofing

1 of steel.
2 Q. Fireproofing on steel?
3 A. Yeah.
4 Q. Do you recall how many abatements
5 there were that you were involved in?
6 A. It was just one area that was in
7 question.
8 Q. Single abatement project?
9 A. What?
10 Q. A single abatement project?
11 A. Yes.
12 Q. During this same period of time,
13 1985 to 1993, did you have any responsibilities
14 whatsoever with respect to Building 53?
15 A. Yes.
16 Q. What were your responsibilities
17 regarding Building 53 during this time period?
18 (Pause)
19 A. Upgrading of the gate lounges;
20 creating a business class lounge, VIP lounge;
21 office alterations; expansion of the customs
22 and immigration processing areas, and baggage

23 claim.

24 Q. Is this renovating the baggage

25 claim area?

1 A. Expanding.
2 Q. Anything else you can think of, or
3 is that the only activities you recall during
4 that time period with regard to Building 53?
5 A. That was basically it.
6 Q. Shifting back in time again, going
7 back to the period 1962 to 1975, do you recall
8 that the Worldport Building underwent a
9 significant expansion project during that
10 period of the late '60s, early 1970s? Again,
11 Building 53 I'm referring to.
12 A. What dates are we talking about?
13 From '60 to?
14 Q. Right now we're just looking at
15 your job when you held the position from 1962
16 to 1975 as project manager for certain
17 projects, and I know you said you didn't work
18 on this project, but I'd like to focus a little
19 bit, if I could, on the Worldport expansion
20 project.
21 Do you recall that there was a
22 significant project conducted during the late

23 '60s and early 1970s in Building 53?

24 A. Right.

25 Q. I believe you identified one

1 individual who was responsible for that, a
2 James Queen?
3 A. Queen, right.
4 Q. What was his title?
5 A. I believe it was project manager.
6 Q. Did he work in the same office you
7 did?
8 A. We worked in the same office, yes.
9 However, there was a period of time that he
10 maintained an office at the site.
11 Q. At the Worldport site, Building 53
12 site?
13 A. Yes.
14 Q. He was also in the Properties and
15 Facilities Division?
16 A. Yes.
17 Q. Do you know if he was at Pan Am
18 when you left in 1993?
19 A. Oh, no. I'm sorry. No, no.
20 Q. Do you know when he left the
21 employment of Pan Am?
22 A. No, I don't. But it was early on

23 in the period of Pan Am reducing forces. I

24 don't remember.

25 Q. Do you know where he went when he

1 left Pan Am?
2 A. He went to Intercontinental Hotels.
3 Q. Do you know whether he's still with
4 them today?
5 A. No. He's passed away.
6 Q. Who worked with Mr. Queen on that
7 project within Pan Am?
8 A. Mr. Brook.
9 Q. That's Karl Brook?
10 A. Yes.
11 Q. I'm sorry. His responsibilities
12 again?
13 A. He had overall responsibility
14 underneath the vice president of Properties and
15 Facilities, and I don't know when that took
16 place because, as you know, there was a
17 transition where the title "manager" was a
18 large title and then became assistant vice
19 president and vice president, so these titles
20 changed. But the basic responsibility of the
21 individual, you know, remained the same.
22 Q. Did Mr. Queen report to Mr. Brook?

23 A. Yes.

24 Q. Was Mr. Brook located at

25 Building 14?

1 A. Yes.
2 Q. Was Mr. Brook still with Pan Am
3 when you left in 1993?
4 A. Oh, no, no.
5 Q. Do you recall when Mr. Brook left
6 Pan Am?
7 A. No, I do not.
8 Q. Do you have any idea where he
9 resides today or were he's employed today?
10 A. No.
11 Q. Do you recall any individuals who
12 reported to Mr. Queen on this project?
13 A. No.
14 Q. What was Pan Am's structure in
15 terms of project manager and overseeing a
16 project such as this? What types of people did
17 Pan Am employ on these projects, and what types
18 of responsibilities did they have?
19 A. The type of people. Some had
20 airline experience in reservations, in
21 marketing, in operations.
22 Q. In a project such as this, what is

23 the value of having somebody in reservations

24 get involved with an expansion construction

25 project such as Building 53?

1 A. Oh, the planning or the input and
2 the requirements. There's not only one person.
3 There's a group of people that give input to
4 the project.
5 Q. So this is at the planning stage?
6 A. Right.
7 Q. In connection with the actual
8 construction itself, did Pan Am hire a
9 contractor to handle this project? Building 53
10 I'm talking about.
11 A. Yes.
12 Q. Do you recall who the contractor
13 was?
14 A. No.
15 Q. Do you recall, did it retain an
16 outside architectural firm to undertake this
17 project?
18 A. I believe it was TAMS, Tibbits
19 Abbot McCarthy & Strutten, I believe.
20 Q. Do you recall that, in fact, the
21 Corbetta firm was the contracting firm on this
22 project, was the general contractor?

23 A. No, I don't recall that. I can

24 tell you Corbetta was, I believe was the

25 contractor for Hanger 14.

1 Q. Did you know a contracting firm
2 referred to as Humphreys & Harding?
3 A. Yes. Yes, I know, yes.
4 Q. Do you know whether they worked on
5 this project, the Building 53 expansion?
6 A. Not to my knowledge.
7 Q. Prior to the expansion, what was
8 the existing facility at Building 53?
9 A. It was the umbrella building, as
10 they called it.
11 Q. If you go to JFK, it's a large
12 disk-shaped --
13 A. Right.
14 Q. -- over-top, and the building was
15 underneath it?
16 A. Cantilever roof, right.
17 Q. When was that original building
18 constructed to your knowledge?
19 A. It was somewhere in the early '60s.
20 Q. In 19 --
21 A. Mid. Early, mid '60s.
22 Q. In the late '60s, the project we're

23 talking about, what was actually added to that

24 building, to that original construction

25 project?

1 A. I'm guessing, there's approximately
2 seven gates. Seven gates were added.
3 Q. Two large wings were added; is that
4 correct?
5 A. It really wasn't a wing. It was an
6 extension of the umbrella building but not --
7 it was a wing in one general sense, but it was
8 a rectangular, pie-shaped combination of both
9 sides of the building.
10 Q. Almost a triangular building coming
11 off of the --
12 A. Yes, right.
13 Q. They added at that point gates you
14 say?
15 A. There were six or seven gates.
16 There was a, there was jetways; immigration and
17 customs arrivals area; conveyor systems; two
18 first class lounges, one at concourse level,
19 the other at the third level; administrative
20 offices. Basically that's it.
21 Q. When was the project complete to
22 your knowledge?

23 A. I don't know, I don't remember when

24 it was complete.

25 Q. Do you recall that there was a

1 general contractor that was retained by Pan Am
2 to undertake this project?
3 A. Name doesn't come to me. I just
4 don't remember.
5 Q. Aside from the name but, in fact,
6 they did hire an outside contracting firm?
7 A. Right.
8 Q. They didn't act as their own
9 general contractor, Pan Am did not?
10 A. Right. It may have been, and I'm
11 not sure of this, Turner Construction.
12 Q. Do you recall any individuals at
13 whatever contracting firm, any individuals who
14 worked at that project for the contractor, the
15 general contractor?
16 A. No, I do not.
17 Q. Did you ever have occasion to go
18 out to that project during its construction?
19 A. I most probably did, yes.
20 Q. Do you recall that it was a steel
21 structure?
22 A. I believe. I didn't go out there

23 as a routine. It was, you know, once a year or

24 whatever, a sight-seeing.

25 Q. Did you see the steel structure

1 project when you went out?
2 A. I can't say that I recall, no.
3 Q. In that system of construction
4 where Pan Am hires a general contractor, what
5 responsibilities does Pan Am take on itself to
6 oversee the construction project itself? Does
7 it monitor the contractor?
8 A. I cannot speak for this specific
9 project.
10 Generally the airlines have a
11 representative on the airline's payroll to
12 watch projects. And they have the engineers
13 that have to sign off on these projects,
14 responsibility to see that compliance, complies
15 to codes, rules and regulations and the New
16 York City building code, et cetera.
17 Q. Are these Pan Am engineers you're
18 talking about --
19 A. No.
20 Q. -- or are these outside firms?
21 A. Outside firms that are hired to
22 design, right.

23 Q. How does Pan Am itself, though,

24 oversee all of its consultants that it retains

25 in these projects?

1 A. The project manager, Mr. Queen.
2 Q. Were there others within Pan Am who
3 work for him who monitor the construction or
4 the engineering?
5 A. In that case, in Mr. Queen's case,
6 I believe there were others in the department
7 that assisted him, yes.
8 Q. Do you recall any of their names?
9 A. No.
10 Q. You can't recall any as you sit
11 here today?
12 A. Charles Boll.
13 Q. Charles Boll?
14 A. Right. B-o-l-l. I don't recall
15 the names of the other people.
16 THE WITNESS: Excuse me.
17 (Recess taken.)
18 Q. You recall the name Charles Boll as
19 being an individual who had some responsibility
20 in connection with the Building 53 expansion in
21 the '69 to '72 period.
22 A. Right.

23 Q. What were Mr. Boll's

24 responsibilities?

25 A. Mr. Boll is a mechanical engineer.

1 I think he concerned himself with mechanical
2 aspects of the building conveyor systems.
3 Q. Did Pan Am have any structural
4 engineers that worked on that project?
5 A. In-house?
6 Q. Yes, in-house.
7 A. In-house, I believe Jim Queen. I'm
8 not sure if it was structural, civil
9 engineering, his background. I don't know if
10 he was licensed in New York.
11 Q. Did Pan Am have any other
12 structural engineers other than Mr. Queen
13 generally when they worked on this project or
14 not?
15 A. Not to my knowledge, no.
16 Q. Did Pan Am have any in-house civil
17 engineers other than Mr. Queen that worked on
18 any project?
19 A. If we're using the term "engineer"
20 as being a licensed New York engineer, no.
21 Q. How about nonlicensed?
22 A. But engineering background, yes.

23 Q. Do you recall any of their names?

24 A. A Bill Grace, or William Grace.

25 Q. Was he employed during that period

1 of time, 1960s, 1970s?
2 A. From '60 on. I don't know when he
3 left.
4 Q. Do you know whether he had any
5 responsibilities one way or another regarding
6 Building 53?
7 A. He could have had responsibility
8 insofar as aircraft movement and pavement.
9 That was his specialty.
10 Q. Did Pan Am have any in-house
11 architectural engineers, architectural
12 designers or architectural engineers?
13 A. No. I say no, to the best of my
14 knowledge.
15 Q. You don't recall any?
16 A. No.
17 Q. That's on any project during this
18 period of time; is that correct?
19 A. Right.
20 Q. Do you have any knowledge with
21 respect to who at the Port Authority had
22 communications with Pan Am regarding the

23 Building 53 expansion project in the late '60s,

24 early '70s?

25 A. No.

1 Q. Who was the general manager at JFK,
2 airport manager for the Port Authority at that
3 time?
4 A. I don't recall. A Mr. Ike
5 Dornfeld, and I don't remember what -- I
6 believe at one portion of time, he was general
7 manager, I believe. But I don't know what
8 period it was.
9 Q. Do you recall a Morris Sloan?
10 A. Yes.
11 Q. He was general manager at some
12 point in time?
13 A. Yeah.
14 Q. Mr. Dornfeld at some point in time
15 was also head of the Plant and Structures
16 Division at the Port Authority --
17 A. Yeah, I remember his name.
18 Q. -- in connection with the JFK
19 activities?
20 A. Right, JFK activities.
21 Q. Do you recall an individual by the
22 name of William Spain?

23 A. The name is familiar, but I don't

24 recall. I can't picture him in any, you

25 know...

1 Q. Did you have communications with
2 Mr. Dornfeld with respect to any projects you
3 worked on?
4 A. Yes, but not as -- not when he was
5 airport manager. Most probably not when he was
6 airport manager.
7 Q. Did you have communications with
8 him when he was the manager of the Plant and
9 Structures Division?
10 A. Most probably.
11 Q. What exactly were his
12 responsibilities, to your knowledge, in that
13 position?
14 A. As plant and structures manager?
15 Q. Yes.
16 A. It was either administratively in
17 processing tenant alteration applications and
18 or -- let's see.
19 (Pause)
20 A. It was tenant review or resident
21 engineer's office, and I'm not too certain
22 which one.

23 Q. That Mr. Dornfeld worked in?

24 A. Right.

25 Q. Do you recall any other individuals

1 at the Port Authority, either in the Tenant
2 Construction Review Unit or the resident
3 engineer's office or the tenant liaison office
4 who worked on processing tenant alteration
5 applications?
6 A. Not at the moment.
7 Q. You don't recall any other
8 individuals you had contact with regarding
9 TAAs?
10 A. No, not right now. Their names --
11 you're talking about what, a 30-year period of
12 time -- maybe not. Fifteen-year period of time
13 where there could have been 100 people in the
14 Port Authority, you know, all going this way
15 (indicating) at one time or the other. But the
16 names don't come to me.
17 Q. Okay. I'm just asking if you can
18 recall any.
19 A. All right.
20 Q. Do you recall which architectural
21 firm handled the construction of -- the
22 expansion project of Building 53?

23 A. I think we said that was TAMS.

24 Q. I'm sorry. Yes, you already did.

25 I apologize. I had already asked that

1 question, yes.

2 Do you know which individuals at

3 TAMS were involved in architectural work

4 regarding that building?

5 A. No, do not recall.

6 Q. Do you recall whether you had any

7 direct contact with anybody from TAMS regarding

8 that project?

9 A. It was unlikely because I was not

10 assigned to that project.

11 Q. Who handled the cost monitoring for

12 that project, who within Pan Am handled cost

13 monitoring?

14 A. It would have been Mr. Queen most

15 probably and also naturally the vice president

16 of the department.

17 Q. Do you recall in Building [redacted] that

18 Pan Am undertook an expansion project in or

19 about 1969, 1970 or 1971?

20 (Pause)

21 A. I'm sorry. Was that a question?

22 Q. Yes. Do you recall an expansion

23 project at Building [redacted], the Pan Am cargo

24 building, in the period 1969 to 1971?

25 A. We're talking about expansions now,

1 not the original building?
2 Q. Yes, expansion.
3 A. There was a Charles Erney, who was
4 a mechanical engineer. E-r-n-e-y I think.
5 There was a Walter Lee, who's passed on, L-e-e.
6 Those are the two gentlemen that were involved.
7 Q. In that project?
8 A. Right. And I believe there's one
9 or two extensions, I believe. Most probably
10 those are the two people.
11 Q. Charles Erney, was he a project
12 manager on that project?
13 A. Yes.
14 Q. Walter Lee, what were his --
15 A. Construction manager.
16 Q. What were Walter Lee's
17 responsibilities?
18 A. He managed the processing of
19 applications to the Port as well as managing
20 the construction, physically managing the
21 construction.
22 Q. You say Mr. Lee is now deceased?

23 A. Yeah.

24 Q. Do you know where Mr. Erney is

25 today or where he currently resides?

1 A. I believe it's in Queens, but I
2 don't...
3 Q. How do you spell his name,
4 E-r-n-e-y?
5 A. I think it's that or E-r-n-y. I'm
6 not sure.
7 Q. You don't recall any other
8 individuals at Pan Am who worked on that
9 expansion project at Building [redacted]?
10 A. There most probably were others,
11 but these are the two main characters, if you
12 will, that worked on that.
13 Q. Do you recall the names of anybody
14 else who worked on that project? Again, I'm
15 referring to Pan Am employees at this time.
16 (Pause)
17 A. Bob McDermitt may have gotten
18 involved in that and a Tony Lombardo. Mr.
19 Brook would have been another person, being
20 second in command of the department.
21 Q. Any others you can think of?
22 A. No.

23 Q. What were Mr. McDermitt's

24 responsibilities?

25 A. To follow the construction details

1 in the field. Both of those gentlemen.
2 Q. Both of them had that same
3 responsibility?
4 A. Yeah. Working, they would have
5 reported to Mr. Lee.
6 Q. Do you happen to know where either
7 of them resides today?
8 A. I believe Tony Lombardo is in
9 Florida someplace. God knows where. And Bob
10 McDermitt may still live out on Long Island.
11 Q. Have you had any contact with them
12 over the last few years?
13 A. No.
14 Q. Do you recall that that project
15 involved fireproofing of steel structure,
16 structural members?
17 A. I do not recall when it was going
18 up that it did involve that. No, I would not.
19 Q. Did you at some point in time come
20 to learn there was fireproofing of this steel
21 structure in that building?
22 A. In the later years, yes, some years

23 ago.

24 Q. Is the same true with respect to

25 the Pan Am building, did you at some point in

1 time learn that was a steel structure that had
2 spray-on fireproofing on it?
3 A. Repeat that question.
4 Q. With respect to Building 53, did
5 you at some point in time learn that that, too,
6 was a steel structure that had spray-on
7 fireproofing on the structure?
8 A. Yes.
9 Q. Based on your familiarity with
10 projects at JFK, would the individuals involved
11 in Building [redacted], the project we just talked
12 about, would the individuals at the Port
13 Authority who handled that project be different
14 from the individuals that handled the building
15 project for JFK Building 53?
16 A. Would that be different?
17 Q. Yes, different. Or was everything
18 processed through the same --
19 A. It's hard to say. They could
20 conceivably have one engineer or two engineers
21 covering both projects. I can't say that.
22 Q. As far as the processing of

23 applications, did Pan Am submit all of its TAAs

24 through the same individual at the Port

25 Authority?

1 A. No. It would be the same office.
2 Q. Again, you think that was the
3 tenant liaison office?
4 A. (No verbal response.)
5 Q. Who was the tenant liaison person
6 at that time? Who was head of the tenant
7 liaison unit?
8 A. Excuse me. What years are we
9 talking about?
10 Q. This would be the late '60s, early
11 '70s.
12 A. No, I don't recall. I think we
13 said Ike Dornfeld could have been in one of
14 those positions. Right? Yes. In that period
15 of time.
16 Q. In terms of the Plant and Structure
17 Division, yes.
18 A. Right, plant and structures, right.
19 Q. Let me now, if I could, focus a
20 little bit on Building [redacted]
21 Let me go back in time. Do you
22 recall when Building [redacted] was originally

23 constructed to be used as a terminal, you said,

24 for receiving flights from San Juan.

25 A. I'm guessing at it. I think in the

1 late '60s.
2 Q. Do you recall when, approximately
3 when it was converted from a terminal to an
4 office and storage facility?
5 A. No.
6 Q. Do you recall even within a decade,
7 was it in the '70s or in the '80s?
8 A. I'd say somewhere around '75.
9 That's back to an office building.
10 Q. Back to an office building, yes.
11 A. Right.
12 Q. Sometime around 1975?
13 A. Right.
14 Q. Regarding the original construction
15 of the building, do you recall a contractor
16 being John Lowery?
17 A. The name rings a bell, only that
18 he's a contractor in New York. I couldn't tell
19 you that he was the contractor.
20 Q. Do you recall which architectural
21 firm handled that project?
22 A. I believe, if memory serves me,

23 John O'Brien. You must probably have that.

24 Q. Do you recall which architectural

25 firm handled the JFK Cargo Building [redacted]

1 expansion that we referred to?

2 MS. WATKINS: Fifty-three?

3 MR. NICYPER: No. [redacted]

4 MS. GRUENLOH: I you said [redacted]

5 MR. NICYPER: No. [redacted]

6 Q. [redacted] in the late '60s,

7 early '70s.

8 A. No. Not, not at the moment.

9 Q. If it comes to you, that's fine.

10 You can tell me at a later time.

11 Did you have occasion to go out and

12 observe the construction of Terminal [redacted] during

13 the time it was originally constructed?

14 A. Only in passing by.

15 Q. Were you aware that it was a steel

16 structure?

17 A. I can't say I was aware of it at

18 the time. I was busy on other things.

19 Q. When did you become aware that it

20 had spray-on fireproofing?

21 A. I guess when I joined Tower.

22 Q. You don't believe you knew that

23 prior to that?

24 A. No, no.

25 Q. Who at Pan Am had responsibility

1 with respect to the original construction of
2 JFK Building [redacted]?
3 A. I shouldn't say I'm quite sure, but
4 memory serves me, Karl Brook was the main
5 individual monitoring that design and
6 construction of that project.
7 Q. Do you recall anybody else from Pan
8 Am who worked on that project?
9 A. I can't say as I do.
10 Q. With respect to Port Authority
11 individuals who dealt with tenants on
12 construction projects or tenant alteration
13 applications, I'm going to go through a couple
14 of people and see if you are familiar with
15 their names.
16 Do you recall an individual by the
17 name of H.K. Roberts, or Howel Roberts?
18 A. No.
19 Q. Do you remember an individual by
20 the name of David Hennessy?
21 A. Yes. Yes.
22 Q. What do you recall about Mr.

23 Hennessy's responsibilities?

24 A. I believe he was an inspector, Port

25 Authority inspector. I'm not sure. Or in the

1 resident engineer's office. I'm not sure in
2 what office he was in.
3 Q. Do you know whether he received
4 tenant alteration applications for processing?
5 A. I don't know. I can't say that.
6 Q. Do you remember an individual by
7 the name of Joseph Nanko, N-a-n-k-o?
8 A. Vaguely. Vaguely.
9 Q. Do you have any recollection as to
10 what his responsibilities were?
11 A. He may have been involved in the
12 Worldport, but I'm guessing at that.
13 Q. Do you recall an individual by the
14 name of Thomas Finn, F-i-n-n?
15 A. With Pan Am?
16 Q. No. With the Port Authority. Or
17 maybe he was with Pan Am.
18 A. I remember the name, but I -- if he
19 was with Pan Am, I believe it was in the real
20 estate section, if I have the right person.
21 Q. Do you remember an individual at
22 the Port Authority named Brendan Carmody?

23 A. Yes.

24 Q. What were Mr. Carmody's

25 responsibilities?

1 A. I believe he was also in real
2 estate or in administration. The name slips
3 me, the title of that department skips me.
4 Q. The Plant and Structures Division?
5 A. No.
6 Q. Or the Business Administration
7 Division?
8 A. Business administration, right. I
9 don't think he was in plant and structures, or
10 didn't come out of there.
11 Q. Did you have any direct
12 communications with Mr. Carmody regarding any
13 facilities and projects?
14 A. No.
15 Q. Do you recall an individual in the
16 resident, the Port Authority's resident
17 engineer's office, an individual named Robert
18 Tollner, T-o-l-l-n-e-r?
19 A. Yes.
20 Q. What were Mr. Tollner's
21 responsibilities?
22 A. I believe he was resident engineer

23 for a period of time.

24 Q. Do you know what responsibilities

25 he had with respect to the construction

1 projects we've referred to at JFK Buildings 53,
2 [redacted] and [redacted]?
3 A. No, I cannot say with any assurance
4 as to what part he played in those buildings.
5 He was an inspector or an engineer, field
6 engineer. And I believe he then became
7 resident engineer, but I don't know
8 specifically. He got involved in many
9 projects.
10 Q. Prior to being a resident engineer,
11 did he actually go out into the field and
12 observe projects?
13 A. I believe so, yes. That would have
14 been a normal course of events.
15 Q. Do you recall an individual in the
16 resident engineer's office named E.P. Rigaut,
17 R-i-g-a-u-t?
18 A. No.
19 Q. Do you recall a Joe Lavel?
20 A. Now that you mention it, yes, the
21 name is familiar; but I don't know what part he
22 played in all this.

23 Q. Do you recall an individual by the

24 name of Benjamin P. Sherbel, S-h-e-r-b-e-l?

25 A. Yes, but I don't know if he was

1 administrative, or I think he was an engineer.
2 Q. You don't recall anything more
3 specific about his responsibilities?
4 A. No.
5 Q. Do you recall an individual named
6 Edwin G. Ello, E-l-l-o?
7 A. No.
8 Q. Do you recall an individual by the
9 name of E.P. Pitman?
10 A. No.
11 Q. Do you recall an individual by the
12 name of Eugene Fasullo, F-a-s-u-l-l-o?
13 A. No.
14 Q. Do you recall an individual named
15 Richard Klenk, K-l-e-n-k?
16 A. The name is familiar, but could be
17 a ghost.
18 Q. In the Port Authority's Tenant
19 Construction Review Unit, do you ever recall
20 communicating with Robert Hand?
21 A. No.
22 Q. Do you recall an individual named

23 Daniel Hahn, H-a-h-n?

24 A. No.

25 Q. Do you recall an individual named

1 Michael DiNunzio, D-i capital N-u-n-z-i-o?
2 A. No.
3 Did these people work at the
4 airport?
5 Q. These people worked in connection
6 with the buildings we're talking about, yes.
7 Did you ever have communications
8 with anybody from the Port Authority's
9 Inspection and Safety Department in connection
10 with inspections of tenant structures?
11 A. I don't recall anybody's names, and
12 if we're talking about the same thing, Port
13 Authority had engineers at -- well, from the
14 New Jersey office and/or the Twin Towers that
15 would come out for structural reviews of
16 buildings each year or each couple of years as
17 a routine. And I did work with a few of those
18 fellows insofar as accompanying them around the
19 building, insofar as receiving their report and
20 making miscellaneous repairs and things of that
21 nature.
22 Q. These were structural integrity

23 inspections?

24 A. Right.

25 Q. The period of time you're talking

1 about now would be more the 1985 to 1993
2 period --
3 A. No.
4 Q. -- or do you recall that earlier
5 on?
6 A. Between '75 and before that, '75
7 on.
8 Q. Did the Port Authority also have
9 individuals who came out and inspected
10 construction projects during construction?
11 A. Oh, they didn't come out. They
12 were at the airport.
13 Q. They were resident engineers?
14 A. Right. That was the function of
15 the resident engineer's office and others that
16 they may have called in, specialty fellows for
17 evaluation of elevators. A lot of specialty
18 people in the Port Authority, fire alarm.
19 Then, you know, final inspections, they have
20 staff come in from other offices that
21 specialize in these things.
22 Q. Generally the purpose of the Port

23 Authority engineers out there during

24 inspections is to assure compliance with

25 regulations and specifications?

1 A. Exactly.
2 Q. Do you recall who during the period
3 of time in the late '60s and early '70s, who
4 from the Port Authority conducted those types
5 of inspections during ongoing construction
6 activities?
7 A. I don't remember the names offhand,
8 no.
9 Q. Do you recall an individual named
10 Joseph Rand?
11 A. No.
12 Q. Individual named Howard Silfan
13 (phonetic)?
14 A. No.
15 THE WITNESS: Excuse me.
16 (Luncheon recess: 12:45 p.m.)
17
18
19
20
21
22

23

24

25

1 AFTERNOON SESSION

2 1:30 p.m.

3 F R A N K G R I L L, having been

4 previously sworn, resumed the stand and

5 testified further as follows:

6 EXAMINATION (cont'd.)

7 BY MR. NICYPER:

8 Q. Mr. Grill, you identified an

9 individual named Dupre?

10 A. Dugre.

11 Q. Peter Dugre?

12 A. Yes.

13 Q. When did he join Pan Am?

14 A. I don't know when he joined Pan Am,

15 because I believe he was one of the attorneys.

16 He got involved with properties and facilities

17 or corporate real estate somewhere along, I

18 think, in '87, somewhere '87, '88.

19 Q. Again, he was part of the legal

20 department when he got involved with the real

21 estate issues?

22 A. No. He was formerly with the Pan

23 Am legal department. Went on to another job at

24 Pan Am, world services. And from that point

25 came back and headed up the Properties and

1 Facilities Department slash Corporate Real
2 Estate.
3 Q. Then after Pan Am filed for
4 bankruptcy, did he stay on?
5 A. Yes.
6 Q. He worked for the trustee?
7 A. I don't want to use the term. I
8 don't know; but yes, I believe he was involved
9 in that.
10 Q. You don't know whether he was then
11 in the legal department in the 1960s or 1970s?
12 A. No, I don't know.
13 Q. Another building you had
14 mentioned -- we talked about three of them; we
15 also talked about your involvement with Hanger
16 14. And I think your original involvement was
17 the design back when you were with the Winston
18 Churchill firm?
19 A. Right.
20 Q. Do you recall that?
21 A. Right.
22 Q. Do you recall that hanger was

23 originally constructed in approximately 1958?

24 A. Yes, because I joined them in '60

25 and the building was near completion at that

1 point.
2 Q. Do you recall various renovations
3 being undertaken in that building in the early
4 1970s, 1972, 1973?
5 A. Yes, in general. There were minor
6 projects; they weren't major projects, and they
7 would have been in relation to setting up
8 shops.
9 Q. What was your involvement in
10 setting up shops as project manager in the '62
11 to '75 period in Hanger 14?
12 A. My involvement was that we got the
13 requirements from an industrial engineering
14 department as to what was needed for the
15 maintenance and repair of aircraft parts. We
16 then obtained costs for this. Got outside
17 engineers, would be after the financial
18 approval, to implement drawings and
19 specifications for the project. Submit that
20 information to the Port Authority for approval
21 prior to construction and soliciting bids and
22 implementing the program.

23 Q. What was involved in establishing

24 shops? Were there renovations done within the

25 building, or were they add-on structures?

1 A. Really not renovation. It was
2 referred to as a fit-up.
3 Q. What's involved in a fit-up?
4 A. A bear space. You have a room such
5 as this and you have to install a certain
6 amount of piping, electrical, exhaust symptoms
7 to support a particular process in the repair
8 of engines or aircraft parts.
9 Q. When you say "room such as this,"
10 you were actually speaking in terms of a very
11 large room with a very high ceiling you did
12 this work in?
13 A. They varied in sizes.
14 Q. Did they involve, these projects,
15 particularly the one at Hanger 14, involve the
16 installation of any floor tile that you recall?
17 A. It could have. Most of the shop
18 spaces were housed in areas that you had
19 finished concrete floors, but there were some
20 that had tile floor.
21 Q. In which case, they would take the
22 tile floor out for the shop space?

23 A. No. They were putting it in at

24 that time. There may have been subsequent to

25 that someplace where they may have removed

1 tile, but I don't recall. Since the building
2 was new, it was more a setting up a shop as
3 opposed to taking anything out.
4 Q. Do you recall in Building 14 that
5 they did, in fact, install some tile during
6 this renovation period in the late '60s, early
7 '70s?
8 A. Rather than say they did install
9 tile, I would rather say it wouldn't surprise
10 me that there was installation of tile involved
11 in some of these things, being office
12 alterations.
13 Q. Office alterations were involved in
14 these projects?
15 A. Yes.
16 Q. But you don't recall specifically
17 whether tile was added or not, installed or
18 not?
19 A. No. Since the building came with
20 tile, there may have been tile patching. There
21 may have been some areas, industrial, that
22 would change over to offices or foreman's

23 office, something like that. In which case,

24 they would put tile on the floor or carpeting.

25 Q. The building Hanger 14 did have

1 some floor tile in it prior to these
2 renovations taking place?
3 A. Oh, yes. As memory serves me, yes.
4 Q. Do you recall whether the original
5 construction in 1958 involved the installation
6 of floor tile?
7 A. Not specifically, but I would say
8 generally it most probably did, in that most of
9 the offices came with floor tile as opposed to
10 carpeting.
11 Q. In the work you did with the
12 Winston Churchill firm, did that firm actually
13 handle specifications for materials such as
14 floor tile or approval of products such as
15 floor tile?
16 A. I would believe that yes, the
17 flooring material would have been part of their
18 general specifications and drawings.
19 Q. I may have already asked you this:
20 Do you recall any individuals from the Winston
21 Churchill firm who worked on that Hanger 14
22 project?

23 A. I'm not certain of the name, but I

24 think there was -- and I didn't remember

25 before, Mr. Sterns, but I'm not...

1 Q. Do you know whether Corbetta worked
2 on that construction project back in the late
3 1950s?
4 A. I believe they were the contractor.
5 They may have been the concrete contractor as
6 opposed to the general contractor. I believe
7 that was done by prime contractors. Again, I
8 believe. I'm not certain. As opposed to a
9 general contractor.
10 Q. Do you recall if any of that work
11 in Hanger 14 involved the installation of
12 spray-on fireproofing on the steel structure?
13 A. No, I -- this goes back a couple
14 years. I don't believe, generally speaking, I
15 don't believe or don't remember, and I wasn't
16 personally involved in that, being in the
17 office; but it was a reinforced concrete
18 building, the offices, as well as the...
19 Q. You had also mentioned renovations
20 in the commissary building -- or Building 14.
21 That's different from Hanger 14 I take it?
22 A. Let me clarify this. It was always

23 referred to as Hanger 14 when Pan Am had it.

24 The new Building 14 came into existence

25 recently when Japan Airlines and the Port

1 Authority took Hanger 14 over and converted it
2 into a cargo building and office building.
3 Q. So the current Building 14 is the
4 old Hanger 14?
5 A. Yes, sir.
6 MR. NICYPER: Off the record.
7 (Discussion held off the record.)
8 Q. Do you recall whether any of the
9 renovation work that was done in the
10 commissary, whether any of that involved
11 spray-on fireproofing, or was the entire
12 building, to your recollection, a concrete
13 structure?
14 A. No, I really don't recall.
15 Q. Who actually paid for the
16 construction of the JFK Building [redacted] original
17 construction?
18 A. I don't know. It could have been,
19 it could have been Pan Am paid for that. I
20 don't know.
21 Q. With respect to the expansion of
22 Building [redacted] in the late '60s to early '70s

23 period, who paid for that? Was that Pan Am or

24 the Port Authority?

25 A. I don't know for certain. It most

1 probably -- I shouldn't say that. It could
2 have been Pan Am paid for it and was reimbursed
3 by the Port Authority. I don't know.
4 Q. You don't know?
5 A. No.
6 Q. You don't know whether, in fact,
7 Pan Am paid for it and just received financing
8 from the Port Authority?
9 A. There's several ways I guess that
10 works, where the airline will put up the money,
11 be compensated by the Port Authority within
12 that construction period or shortly thereafter,
13 and then it's paid back long term in lease
14 agreements, but I don't know which category
15 these things fit in.
16 Q. With respect to JFK Building 53,
17 the expansion we talked about in the late '60s,
18 early 1970s, do you know who paid for that or
19 how that payment was set up?
20 A. No, I don't.
21 Q. You're not familiar with the
22 financing arrangements regarding that expansion

23 project?

24 A. No.

25 Q. Prior to 1973, do you know what

1 other terminals around the United States Pan Am
2 constructed, say, during the 1960s period?
3 A. Between what dates, please, again?
4 Q. Let's say, 1960 to 1973.
5 A. In the United States?
6 Q. Yes, airline terminals in the
7 United States.
8 A. I don't think they constructed any
9 airline terminals.
10 Q. Were there any expansions similar
11 to the Building 53 renovation?
12 A. I don't think Pan Am had any other
13 terminals that they constructed that they
14 occupied, you know, solely occupied. I believe
15 Los Angeles, San Francisco, Miami, I think they
16 were all shared or leased space.
17 Q. From the airports?
18 A. Right, from the airport.
19 Q. The JFK setup was somewhat unique?
20 A. Yes. JFK was world headquarters,
21 and that's where, I guess one of the few
22 terminals where airlines had their individual

23 buildings as opposed to the airport putting up

24 a building and subletting a portion of that

25 space.

1 Q. In your experience at that time in
2 the 1960s, that sort of setup where the
3 airlines actually had their own separate
4 terminals and constructed themselves was unique
5 in the United States?
6 A. I think even unique to New York. I
7 haven't much experience in that as far as, you
8 know, what was happening on the west coast or
9 down in Florida. But I think they shared
10 terminals. And New York I think was one of the
11 very few that had the airlines, TWA, United...
12 Q. Did you at some point in time gain
13 any knowledge regarding potential health risks
14 associated with asbestos or asbestos-containing
15 materials?
16 A. Did I at any time become aware of
17 the hazards of asbestos, is that the question?
18 Q. Did you become aware of any
19 potential health risks regarding
20 asbestos-containing material?
21 A. At some point in time, yes, I did
22 because it was brought to my attention because

23 of rules and regulations, in that prior to

24 altering or receiving approval for the

25 alteration of any building, this is in the

1 later years, that you required a sign-off from
2 an environmentalist to review the plans and
3 specifications to determine if there was any
4 areas involved or any asbestos involved in
5 these areas and would sign off, yes, there is
6 or no, there isn't.
7 Q. That's the first time you heard
8 about the possibility that there might be
9 health risks associated with
10 asbestos-containing material?
11 A. Yes. Certainly was not -- in the
12 '60s, I was not aware of it; or '65 or '70s, I
13 don't think I was aware.
14 Q. This period of time you're talking
15 about or this activity you're talking about,
16 was that approximately the mid to late 1980s?
17 A. Yeah, '85 and on.
18 Before that I spent the ten years
19 in the Pan Am Building. And before that I
20 believe I knew that there was asbestos. It was
21 a fiber. I certainly was not aware of a
22 problem.

23 Q. During the period --

24 A. We were not informed.

25 Q. During the period prior to 1975 or

1 prior to 1973, you merely knew there was
2 asbestos in the fireproofing?
3 A. Right.
4 Q. Do you recall when you learned that
5 or how you learned that, that there was
6 asbestos in the fireproofing?
7 A. No.
8 Q. Prior, then, to 1985 to your
9 knowledge, did the Port Authority instruct any
10 tenants to take any precaution when working
11 around asbestos-containing materials?
12 A. Prior to '85?
13 Q. Yes.
14 A. I wouldn't know.
15 Q. To your knowledge, had that been
16 done?
17 A. Please repeat the question.
18 Q. To your knowledge, had they ever
19 instructed any tenants to take precaution
20 working with asbestos-containing materials?
21 A. I wouldn't know. I wouldn't know.
22 You're saying prior to '85?

23 Q. Yes.

24 A. I left the airport in '75.

25 Q. Let's say, then, prior to '75, did

1 they instruct any --
2 A. Not to my knowledge. There's a gap
3 there. A lot of things could have happened in
4 the world, and I was not aware of it.
5 Q. There's a gap in 1975 to 1985 when
6 you were not at the airport; is that correct?
7 A. Right.
8 Q. Let's cover the period prior to
9 '75. Prior to then, did the Port Authority
10 advise any tenants to conduct any air
11 monitoring to check the level of asbestos
12 fibers in the air in their buildings?
13 A. Not that I recall. When I say "not
14 that I recall," I don't remember. Not that I
15 recall that they didn't do it or did do it.
16 Okay?
17 Q. You don't recall?
18 A. That's right. At this point I was
19 not aware of that, those procedures.
20 Q. In fact, prior to 1975, you don't
21 recall ever being familiar with whether or not
22 there were health risks associated with

23 asbestos?

24 A. Right.

25 Q. And the Port Authority never

1 advised the tenants or Pan Am about that to
2 your knowledge?
3 A. Right. Thank you. Yes.
4 Q. Prior to 1975, then, did you ever
5 hear that the Port Authority had advised any
6 tenants -- or to your knowledge, did the Port
7 Authority advise any tenants to monitor the
8 condition of any asbestos-containing materials
9 in the tenants' buildings?
10 A. Not that I recall, not that I had
11 personal experience or involvement in.
12 Q. Again, prior to 1975, to your
13 knowledge, did the Port Authority advise any
14 tenants that spray-on fireproofing in air
15 plenums should have a sealant placed over it?
16 Do you ever recall hearing that prior to 1975?
17 A. No.
18 Q. No?
19 A. No. I'm sorry.
20 Q. When did you first become aware of
21 this lawsuit?
22 A. I'm not -- I don't remember a date

23 when I may have heard something to the effect

24 that the Port Authority was involved in a

25 lawsuit, the installation of asbestos. I

1 don't -- it most probably had to be subsequent
2 to '75.
3 Q. Was it subsequent to '85? Do you
4 recall what gave rise to your learning about
5 the lawsuit?
6 A. I think it was in the papers. Had
7 to be in the papers someplace. No? Maybe not.
8 Q. Do you recall, I guess, is the
9 question.
10 A. Well, you know, scuttlebutt. I
11 mean, you know, just at the airport. I don't
12 know who told me. I think there is -- it may
13 have even been more recent than that.
14 There was some, I believe your
15 attorneys, some attorneys that came around to
16 take a look at Building 230 that the Port
17 Authority was escorting around and said to me,
18 do you mind, we'd like to visit the building on
19 such and such a date. And I said don't come at
20 two o'clock because we have seven flights going
21 out at that time. You know, I'll give you a
22 ladder and flashlight and stuff like that.

23 That was the extent of my involvement. It was

24 not my business. It was just...

25 Q. You, however, for certain buildings

1 handled tenant alteration applications that
2 involved getting approval from the Port
3 Authority to do an alteration that involved
4 asbestos removal; is that correct?
5 A. Right.
6 Q. When did you first get involved in
7 that process?
8 A. '86, '87, somewhere around there.
9 Q. At that time did you learn about
10 the lawsuit, or was that alteration application
11 process something separate from your learning
12 about the lawsuit?
13 A. I can't say as I recall learning
14 about the lawsuit back then, no. No, I
15 don't -- no.
16 Q. At any time prior to its filing
17 bankruptcy, are you aware of whether Pan Am had
18 any policy regarding how to deal with
19 asbestos-containing materials in its buildings?
20 A. I believe they had a policy, which
21 I didn't develop or get involved in. It was
22 more of a policy for the building maintenance

23 people when they came upon maybe piping repairs

24 or other things that they had to do. Was an

25 in-house policy, yes, but it was not from the

1 project manager's policy.
2 And the policy we had was that at
3 some point in time that in order to get
4 something done, you had to, you know, follow
5 the procedures of the asbestos abatement for
6 testing and verification.
7 Q. As I understand it, then, the
8 policy concerned what procedures you should
9 follow if you are removing asbestos-containing
10 materials, or abatements?
11 A. It was more of a policy that before
12 you did anything, to -- again, it was not my
13 policy. I didn't develop it, but I believe it
14 was a policy that before you did anything,
15 either remove a ceiling or repair something,
16 that you had to be aware of that there were
17 certain procedures to be taken, all right, to
18 guard against handling of this stuff.
19 Q. You're talking about the Federal
20 regulatory guidelines regarding this?
21 A. Oh, I don't want to say there's
22 Federal guidelines. I don't know what

23 guidelines we used. I'm just saying I believe

24 maintenance people had policy -- or procedure

25 to follow, one of caution; and if there was,

1 you know, you went to the proper
2 environmentalist to check it out and stuff like
3 that.
4 Q. This was a policy that applied to
5 all of the Pan Am facilities nationwide?
6 A. That, I can't say. I can only
7 speak for JFK.
8 Q. Do you know whether there were any
9 policies that Pan Am had that applied to
10 facilities?
11 A. I'm not aware. That's not to say
12 there was or was not. I'm not aware of if
13 there were.
14 Q. Are you aware whether there are any
15 policies that applied to any facilities other
16 than JFK?
17 A. No.
18 Q. Did Pan Am have any policy
19 applicable to JFK regarding whether or not to
20 remove asbestos-containing materials, and if
21 so, when it has to be done?
22 A. I'm not aware of it, but it

23 wouldn't surprise me that they had because

24 Miami was a major overhaul facility, as was New

25 York. The frame, aircraft frame as opposed to

1 engine.
2 Q. I'm not sure I understand your
3 response, that you think Miami, there may have
4 been a policy in Miami, or there was
5 asbestos-containing material in Miami?
6 A. Yes, there most probably were, I
7 would imagine, policies there because that was
8 a major overhaul for aircraft frame, fuselage,
9 as opposed to up here was engines and power
10 plants.
11 Q. Did buildings at the Miami facility
12 contain asbestos-containing materials?
13 A. That, I don't know. I cannot say
14 for sure.
15 Q. Do you recall a policy that applied
16 to Pan Am facilities at JFK, that it was a Pan
17 Am policy regarding when to remove
18 asbestos-containing materials from Pan Am's
19 facilities?
20 A. I recall, I believe, there was a
21 policy for the building maintenance operation
22 in the event to -- in the event they had to

23 make repairs, to be cautious of asbestos and to

24 be aware that materials could contain asbestos.

25 Q. What is the earliest date you

1 recall that policy?
2 A. It had to be after '85.
3 Q. This would be after you came back
4 to JFK?
5 A. Right --
6 Q. 1985, it was instituted at some
7 point after that; is that correct?
8 A. -- yes.
9 I don't know when it was
10 instituted. I'm just saying I was aware of it.
11 Q. Do you recall --
12 A. You said instituted after that
13 point. It could have been instituted before,
14 while I was in the Pan Am Building.
15 Q. That's what I'm asking. Do you
16 recall it being in place, that policy existing
17 by the time you came back in 1985?
18 A. There about. When I say "there
19 about," if I came back, I may not have heard
20 about it the first day, but in the course of a
21 year or six months, I believe I heard that,
22 yes, they have a policy for the building

23 maintenance operations.

24 Q. What about policies concerning

25 asbestos-containing materials in any Pan Am

1 buildings, even in the Pan Am Building where
2 you were located, do you recall Pan Am having
3 any policies regarding how to handle
4 asbestos-containing materials in its buildings?
5 A. I don't recall having a policy in
6 the Pan Am Building other than the Pan Am
7 Building was operated by another organization
8 other than Pan Am.
9 I was concerned with the 150,000
10 square feet that we occupied. So we were a
11 tenant there essentially.
12 Q. Do you recall ever raising with the
13 landlord any issues regarding
14 asbestos-containing materials in that building?
15 A. Yes.
16 Q. When did that arise?
17 A. I don't remember the date, but it
18 had to be within that 10-year frame.
19 Q. Sometime between 1975 and 1985?
20 A. Right.
21 Q. Do you recall whether it was
22 earlier in that time period or later in that

23 time period?

24 A. I would say mid point of that time

25 period.

1 Q. What exactly occurred in connection
2 with that?
3 A. Well, again, it was again
4 associated with alterations, office
5 alterations.
6 Q. What asbestos-containing materials
7 were found?
8 A. Oh, that, I don't know.
9 Q. You just remember --
10 A. I don't know, in that I did not
11 handle those projects. They were handled from
12 the office at JFK. I was not there as a
13 construction manager. I was there to direct
14 the facilities.
15 Q. The asbestos issue in the Pan Am
16 Building in New York City at this time,
17 approximately 1980, would that be --
18 A. '75, yeah. '80, right.
19 Q. -- handled by the Pan Am people who
20 were located out of JFK?
21 A. Right.
22 Q. When I say "what type of

23 materials," I'm not saying which manufacturer,

24 but was it fireproofing material, or was it

25 insulation materials? Do you know what type of

1 material it was in that regard?
2 A. Conceivably it involved both or it
3 could conceivably involve both, yes.
4 Q. What arose? There was a complaint
5 to the landlord to take care of
6 asbestos-containing materials in that building,
7 or how did this arise and how did you become
8 aware of it?
9 A. Well, I think it was common
10 knowledge that the Pan Am Building contained
11 asbestos on the deck, the steel deck. And
12 insofar as piping, I think pretty much everyone
13 was aware that there's always a possibility of
14 having asbestos on the joints and fittings as
15 opposed to straight ones.
16 Q. Do you recall whether or not the
17 asbestos-containing materials in the Pan Am
18 Building was removed in connection with this
19 project you were talking about?
20 A. I do not recall that there were any
21 alterations that involved asbestos removal. I
22 do not recall.

23 Q. May have happened; you just don't

24 recall either way, is that what you're saying?

25 Or you don't think that did occur?

1 A. I don't think there was any need
2 for the removal of asbestos because of
3 alterations.
4 Q. How, then, did this issue regarding
5 asbestos arise with the landlord in or around
6 1980?
7 A. I'm not certain. It could have
8 been mentioned, could, I'm not certain, in
9 relation to the possible subleasing or
10 subdividing a ticket office. We had a main
11 ticket office there, and it was larger than we
12 needed, and I think maybe that's where, at a
13 higher level than my level, it was discussed,
14 the responsibility or possibility for
15 subletting, you know, this would have to be
16 done and that would have to be done.
17 Q. Do you recall which individuals
18 were involved at Pan Am in addressing that
19 issue of asbestos-containing materials in the
20 Pan Am Building?
21 A. I'm not certain, but there's a --
22 there are a few people that could have been

23 involved, and I'm not certain of this. One

24 would have been Charles Trip. Another person

25 could have been a Mr. Larry Billett.

1 Q. B-i-l-l-e-t?
2 A. e-t, yeah.
3 Q. What were their responsibilities?
4 A. Well, leasing of space or --
5 Q. In that building?
6 A. Right.
7 Q. Do you recall what individuals from
8 JFK got involved in the resolution of that
9 issue, what Pan Am individuals got involved in
10 that?
11 A. I don't know if he got involved or
12 didn't get involved, but there's certainly a
13 possibility, that Wally Russell, who is at some
14 point in time with these other people, either
15 before or after or, you know, was vice
16 president of properties and facilities, so he
17 may have gotten involved with potential
18 discussions of asbestos in the Pan Am Building.
19 Q. He was located at Building 14 at
20 JFK?
21 A. Yes.
22 Q. What was his responsibility?

23 A. At one time he was vice president

24 of properties and facilities.

25 Q. You'd previously actually mentioned

1 another vice president, Karl Brook I believe?
2 A. Yeah. This goes back quite some
3 time.
4 Q. Mr. Brook, do you know where he
5 resides today?
6 A. No, I don't.
7 Q. Have you seen him in the last five
8 or ten years?
9 A. I think he's passed on.
10 Q. You also mentioned Charles Boll.
11 Do you know where he currently resides?
12 A. Mr. Boll lives out on Long Island.
13 Q. Have you had any communication with
14 him over the last couple of years?
15 A. We're personal friends, yes.
16 Q. Do you know what town he lives in
17 in Long Island?
18 A. No.
19 Q. Do you have that someplace in your
20 address book?
21 A. Oh, I wish my wife were here; but
22 no, I don't know. I can't think of it now.

23 It's near the Grumman plant out there. Does

24 that help you?

25 Q. Maybe what we can do is just leave

1 a blank in the transcript, and when you get it,
2 you can just fill in his address. Would you be
3 willing to do that?
4 A. Oh, sure. He'll most probably hate
5 me for it, but...
6 TO BE FURNISHED:
7 _____
8 _____
9 Q. Do you recall at any time when Pan
10 Am, prior to its bankruptcy, when it advised
11 its tenants or sublessees or whatever, to
12 exercise caution when working around
13 asbestos-containing materials?
14 A. No.
15 Q. Do you know whether Pan Am
16 conducted any surveys in its facilities to
17 determine to what extent those facilities
18 contained asbestos-containing materials?
19 A. I vaguely remember that they had
20 an organization come in to take air samples,
21 and I don't know to what extent, and I believe
22 that's when they wanted to use the terminal as

23 collateral for something.

24 Q. This is Terminal 53?

25 A. Yeah. Building 53, yeah.

1 Q. Do you recall the approximate year
2 that was after you came back after 1985?
3 A. Gee, no, I don't know.
4 Q. You don't recall?
5 A. No. No, I don't know.
6 Q. But they conducted air samples to
7 determine asbestos levels in the building?
8 A. I believe so.
9 Q. Who would know about that?
10 A. Potentially Wally Russell.
11 Unfortunately, the names, I just can't think of
12 the names because there were a couple other
13 people in that time frame that were in the
14 Corporate Real Estate Department.
15 I just can't remember -- I'll
16 remember their names. When I think of it, I'll
17 let you know who they are, then fill in some
18 blank spaces in this time frame, but -- Russell
19 and possibly Billett. Tom Ringkamp. Another
20 name, was vice president.
21 Q. Do you know how to spell that?
22 A. R-i-n-g-k-a-m-p, Ringkamp.

23 William Van Sitter.

24 Q. Is that V-a-n?

25 A. V-a-n S-i-t-t...

1 Q. e-r?
2 A. Yeah.
3 Q. What were his responsibilities to
4 the best of your recollection?
5 A. He was at one point in time acting
6 vice president of properties, and he was in the
7 corporate real estate -- on the real estate
8 section of the properties and facilities.
9 Q. Do you have any idea where he
10 currently resides, or did you know where he
11 resided at that time?
12 A. He's in Florida somewhere, but I
13 don't know.
14 Q. Do you know where Mr. Russell
15 currently resides?
16 A. No. But he's a consultant now, and
17 I think he's in Arizona. If you look up
18 airport consultants, you'll see he's Russell
19 Consulting.
20 Q. Do you know whether at any time
21 prior to Pan Am filing for bankruptcy, whether
22 it advised its customers or its patrons that

23 there was asbestos-containing materials in

24 certain of its buildings?

25 A. No, I do not.

1 Q. You don't recall that taking place?
2 A. Right. Either if it took place or
3 it didn't take place, I don't recall.
4 Q. To your knowledge, did Pan Am ever
5 discuss with the Port Authority whether or not
6 Pan Am would be a party in this lawsuit?
7 A. No, I don't know that at all.
8 Q. Who at Pan Am, if there were such
9 discussions, would be the likely person to be
10 involved in any such discussions with the Port
11 Authority regarding that issue?
12 A. I would imagine members of our
13 legal department. I won't -- the legal
14 department.
15 Q. Such as Mr. Dugre?
16 A. Dugre, right. And others, in that
17 Mr. Dugre as vice president of properties and
18 facilities was no longer associated with the
19 legal department.
20 Q. I see, but at the time of the
21 lawsuit --
22 A. Right.

23 Q. -- do you know whether Pan Am ever

24 discussed with the Port Authority whether or

25 not the Port Authority could obtain money in

1 this lawsuit for asbestos abatements that Pan
2 Am paid for?
3 A. No, I wouldn't know.
4 Q. Do you know whether Pan Am at any
5 time asked the Port Authority to seek recovery
6 in this lawsuit on Pan Am's behalf?
7 A. No, I do not know that.
8 Q. To your knowledge, that didn't
9 occur?
10 A. No, I would not have any knowledge
11 of that.
12 Q. You just don't know either way?
13 A. Right. Right.
14 Q. Do you recall, I think you said
15 that Pan Am did abate some asbestos-containing
16 materials from at least Building 53 and
17 [redacted]; is that correct?
18 MS. WATKINS: Sixty-seven.
19 Q. I'm sorry. Building 53 and [redacted]; is
20 that correct?
21 A. [redacted] and fifty-three, yes.
22 Q. Did Pan Am sue anybody to recover

23 the cost of those abatements?

24 A. Not to my knowledge.

25 Q. Do you know why, why they did not?

1 A. Well, not my knowledge. I wouldn't
2 be aware one way or the other.
3 Q. You were never told that they did
4 sue anybody?
5 A. Right.
6 Q. Did anybody discuss with you
7 whether they would sue anybody for those?
8 A. No.
9 Q. To your knowledge, did Pan Am ever
10 assign to the Port Authority Pan Am's rights to
11 bring a lawsuit against asbestos-containing
12 material manufacturers?
13 A. Way out of my realm.
14 Q. You don't know of that?
15 A. Right.
16 Q. The asbestos abatement you talked
17 about in Building 67, forgive me if I already
18 asked this question, do you know what type of
19 material it was? Was it a fireproofing
20 material or a pipe insulation material, what
21 type of material was removed?
22 A. That was on the structural members.

23 Q. That would be a spray-on

24 fireproofing?

25 A. Right.

1 Q. Do you recall when that occurred?
2 A. When the fireproofing occurred
3 or --
4 Q. When it was removed. I'm sorry.
5 When this abatement took place.
6 A. No, I do not.
7 Q. Do you recall even a general time
8 frame? Was it prior to 1990 or after 1990?
9 A. Oh, it had to be prior to 1990 --
10 wait.
11 (Pause)
12 A. It was prior to 1990.
13 Q. Was it after 1985, after you moved
14 back to JFK?
15 A. I would guess, yes, it was.
16 Q. What was your involvement in that
17 process?
18 A. I didn't get involved in that at
19 all.
20 Q. You weren't involved in the TAAs,
21 tenant alteration application, for that job?
22 A. No.

23 Q. Did Pan Am pay for that abatement?

24 A. I don't know. I would imagine they

25 did, I assume.

1 Q. Do you know whether they were
2 reimbursed by the Port Authority any cost in
3 connection with that --
4 A. That, I do not know, no.
5 Q. To your knowledge, has the Port
6 Authority ever paid for any asbestos removals
7 in [redacted]?
8 A. No, I do not know.
9 Q. Do you recall in Building 53, there
10 were a series of asbestos abatement projects
11 handled by Pan Am?
12 A. Yes.
13 Q. What was your involvement in that
14 process?
15 A. Depending on what specific project,
16 I was involved in a couple projects that
17 involved the removal of asbestos in
18 Building 53.
19 Q. Do you recall which projects, from
20 what areas it was removed?
21 A. Yes. They were the arrivals slash
22 baggage claim area.

23 Q. Do you recall which baggage claim

24 area in Building 53 that was?

25 A. Well, it was the east and west

1 baggage claim areas.
2 Q. There, in fact, are four baggage
3 claim areas in Building 53?
4 A. There were two baggage claims.
5 There was the immigration area, and I don't
6 recall -- there were three areas that
7 potentially involved removal of asbestos. And
8 that was the immigration area and the baggage
9 claim areas east and west side.
10 Q. Do you know why it was that
11 asbestos-containing materials were removed from
12 those areas?
13 A. Yes. They were removed to
14 facilitate the removal of walls that existed to
15 permit the expansion and also to reconnect,
16 then, other elements to the structure.
17 Q. Are you aware of any other asbestos
18 abatements in Pan Am Building 53?
19 A. There are a few subtenants, we're
20 talking in general, that had the responsibility
21 to remove asbestos in their programs to create
22 or renovate stores. It was their duty. There

23 was a deli. I don't remember the names,

24 specific names or title, but there were a

25 couple areas.

1 Q. When you say "It was their duty,"
2 did Pan Am negotiate a sublease with these
3 subtenants and delegate that responsibility to
4 the subtenant?
5 A. Maybe I used the wrong word,
6 "duty." If they wanted to sublet the space,
7 there was apparently a lease agreement whereby
8 they were responsible for all the construction
9 and all the asbestos removal that may have been
10 required for that renovation or creating that
11 store.
12 Q. This was an agreement between Pan
13 Am and this subtenant?
14 A. Yes, to the best of my knowledge.
15 I wasn't in real estate.
16 Q. Again, other people who might know
17 about that are Mr. Russell?
18 A. Mr. Russell. There's others.
19 There's a Pam Dorso (phonetic), a Sue Felki
20 (phonetic). Don't ask me how to spell the
21 name.
22 Q. To your knowledge, did the Port

23 Authority ever pay for any of these asbestos

24 removals in Building 53?

25 A. Not to my knowledge.

1 Q. To your knowledge, were the
2 removals that were conducted by Pan Am itself
3 paid for by Pan Am?
4 A. Yes.
5 Q. To your knowledge, did the Port
6 Authority at any time reimburse Pan Am for any
7 of those abatement costs?
8 A. Not to my knowledge.
9 Q. Did Pan Am sue anybody to recover
10 those costs, to your knowledge?
11 A. Not to my knowledge.
12 Q. In connection with Pan Am's
13 bankruptcy, ultimately Delta Airlines took over
14 Building 53; is that correct?
15 A. Yes.
16 Q. Do you know how that was done? Was
17 that done directly from Pan Am, or did Pan Am
18 turn the building over to the Port Authority,
19 and the Port Authority then subsequently leased
20 it to Delta?
21 A. I don't know.
22 Q. You don't know?

23 A. No.

24 Q. Do you know who was involved in

25 those discussions from Pan Am on Pan Am's side?

1 A. Mr. Dugre, or Peter Dugre, would be
2 at least a starting point, at least a starting
3 point, yes.
4 Q. Do you know whether when Delta took
5 over, it knew that there was
6 asbestos-containing material in the building?
7 I mean, that was no secret?
8 A. I don't know officially if they
9 knew, but I don't think it was any secret that
10 the building had asbestos in it, so I would
11 imagine that they were aware of it.
12 Q. Are you familiar at all with any of
13 the details regarding Delta either assuming the
14 lease or Delta taking over that structure?
15 A. No. I didn't get involved in that.
16 Q. Were you in any way directly
17 involved in Pan Am's bankruptcy? You said to
18 some extent you were involved with liquidating
19 assets.
20 A. Directly involved, no.
21 Q. Indirectly involved, you said you
22 had some involvement with liquidating assets?

23 A. Selling furniture, yes.

24 Q. That was not structures, buildings?

25 A. No. It was furniture and finishes.

1 Q. Do you know whether or not the Port
2 Authority brought a bankruptcy claim against
3 Pan Am?
4 A. I wouldn't know.
5 Q. Do you recall back in the late
6 1960s, early 1970s ever hearing about a
7 controversy regarding application of spray-on
8 fireproofing at the World Trade Center?
9 A. No.
10 Q. You don't recall hearing anybody at
11 that time talking about whether or not there
12 might be health concerns regarding asbestos
13 spray-on fireproofing?
14 A. No, not at all.
15 Q. Do you recall the Port Authority
16 telling Pan Am about this situation?
17 A. I haven't any memory of that at
18 all.
19 Q. Do you recall ever being out at
20 Building 53 at that period of time, 1969 to
21 1972, during the time, any time when they were
22 putting on spray-on fireproofing on the steel

23 structure?

24 A. No, I can't say as I remember

25 anything back then.

1 Q. Do you recall whether or not they
2 had put up tarpaulins around the area that was
3 being fireproofed?
4 A. No, I do not. I don't know.
5 Q. Do you recall ever seeing any
6 tarpaulins up around the structure that was
7 being built?
8 A. No. As I said before, I was
9 working Hanger 14, and on occasion, we were
10 invited over, you know, as inquisitors, you
11 know, in that department looking at things and
12 how it's done.
13 Q. When you were invited over, did
14 anybody at any time from the Port Authority
15 advise you to take precautions because there
16 might be asbestos-containing materials?
17 A. If they did, I was -- I'm not aware
18 of it now, and I wasn't aware of it then. I
19 don't remember.
20 Q. You don't recall them telling you
21 that?
22 A. No.

23 Q. Mr. Grill, let me show you what I'd

24 like to ask the court reporter to mark as Grill

25 Exhibit 2. This is a five-page document with a

1 heading on the front page entitled "Port
2 Authority of New York and New Jersey Asbestos
3 Certification Letter and Permit Application."
4 Take whatever time you'd like to review that.
5 EXH (Defendant's Grill 2, Port
6 Authority of New York and New Jersey
7 Asbestos Certification Letter and Permit
8 Application Y-6112 with attached Waiver
9 Letter, was marked for identification.)
10 (Witness peruses document.)
11 Q. Have you had a chance to review
12 that?
13 A. Yes.
14 Q. Could you describe what this
15 document is?
16 Let me ask you this, are you
17 familiar with the document?
18 A. Yes. This is an asbestos --
19 nonasbestos project certification for
20 nonasbestos versus asbestos project, yes.
21 Q. When you say certification for
22 nonasbestos or asbestos, you're looking at --

23 A. The first part is certification of

24 a nonasbestos project.

25 Q. You're referring to the first three

1 pages of Exhibit 2; is that correct?
2 A. Right.
3 Q. What does that mean, certification
4 of a nonasbestos project? What significance
5 did this document have in connection with your
6 responsibility?
7 A. That the environmentalist inspected
8 the area of the project and he would have
9 determined if there was asbestos that would be
10 involved in implementing the project.
11 Q. For this project, does this
12 indicate that there was asbestos involved?
13 A. Yes.
14 Q. This is concerning JFK Building 53;
15 is that correct?
16 A. Right.
17 Q. The environmentalist that you're
18 referring to is on page 3. Is that APED or
19 which company is listed on this document as the
20 environmental specialist?
21 A. Ask me the question again, please.
22 Q. Which company, in looking at the

23 document here, is the environmental consultant

24 or specialist that was giving such a

25 certification here?

1 A. ATC Environmental.
2 Q. ATC?
3 A. Yeah.
4 Q. On the front page here, it
5 identifies, if you look halfway down the page,
6 there's an "NY Facility" on the front page
7 there. Do you see that? Halfway down the page
8 it says New York facility or "NY Facility."
9 A. Right.
10 Q. It identifies it as the "Pan
11 American Worldport, Building 53, West, Pilots
12 Lounge, Column Support Modification"?
13 A. Right.
14 Q. "JFKIA" and then a number after
15 that that says --
16 A. That's an application number.
17 Q. That's Y-6112?
18 A. Right.
19 Q. That Y-6112 is a tenant alteration
20 application number?
21 A. Yes.
22 Q. Those are numbers used by the Port

23 Authority; is that correct?

24 A. Right.

25 Q. So they are seeking to notify the

1 Port Authority of an asbestos abatement
2 project; is that correct?
3 A. Right.
4 Q. Why was that necessary?
5 A. I think there was a rule, I think,
6 and I can't tell you specifically where it is
7 in the fine print, but I think we mentioned
8 that before, that prior to implementing any
9 construction project, you had to have this
10 (indicating) form submitted to the Port
11 Authority to their satisfaction before you went
12 ahead with a project.
13 Q. The Port Authority wanted to know
14 what asbestos was being removed or not removed
15 from --
16 A. Right.
17 Q. -- what facilities at the airport?
18 A. Before you got your approval to
19 proceed with construction, this had to be
20 addressed.
21 Q. Look at the last two pages of this
22 document. There's a heading on the second to

23 last page that's titled "Waiver Letter Asbestos

24 Removal," and then under that it says, "Y6112

25 Pan Am." Do you see that?

1 A. Right.
2 Q. Could you describe for me what
3 these two pages are?
4 A. It was a form that had requirements
5 that if we wanted to proceed with the project
6 on an expeditious basis, we had to sign this
7 form.
8 Q. You had to sign this form in order
9 to proceed on an expeditious basis?
10 A. Right.
11 Q. Otherwise, they wouldn't give you
12 approval for the project?
13 A. Well, understand, approval for the
14 project had to take many many steps, more steps
15 in the determining of responsibility, as I
16 recall, and this is I believe something that
17 the Port Authority came up with that gave the
18 airline the option to be responsible for this
19 and permitted, I believe...
20 Q. The last page here has a heading
21 that says "Waiver." Do you see that?
22 A. Right. Yeah.

23 Q. Then it has "Pan American World

24 Airways" filled in?

25 A. Yes.

1 Q. "...hereby waives the right to
2 reimbursement from the Port Authority for
3 asbestos abatement cost, and waives the right
4 to bring suit against the Port Authority for
5 any cause relating to the presence of asbestos
6 in the premises covered by the lease or permit
7 under which this Tenant Alteration Application
8 is submitted," do you see that?
9 A. Yes.
10 Q. Below that I see your name is
11 signed?
12 A. Right.
13 Q. By signing it, was it your
14 understanding that you were waiving on behalf
15 of Pan Am, Pan Am's right to seek recovery for
16 this asbestos abatement?
17 A. Yes, it appears that way.
18 Q. Was that your understanding at the
19 time you signed it?
20 A. Generally speaking, yes.
21 Q. Did you have an understanding that
22 if you did not sign this, you would be allowing

23 the Port Authority to take your rights or Pan

24 Am's rights to recover for money in this

25 lawsuit?

1 A. Repeat that, please.
2 Q. Did you have any understanding that
3 if you did not sign this document, that the
4 Port Authority, then, would have responsibility
5 to recover money in this lawsuit?
6 A. If I did not sign it --
7 Q. Here's a much easier way of asking:
8 If you didn't sign this, what was your
9 understanding?
10 A. My understanding was that it would
11 get -- if we did not sign it, there were many
12 approvals and understandings that had to take
13 place that would be lengthy; that, you know,
14 that the project could not proceed until we
15 went through all these other steps. And these
16 other steps could potentially take two months,
17 three months, six months to get approval
18 between the Port Authority and whomever.
19 Q. I see. So if you did not sign
20 this, then, your understanding was --
21 A. Well, we weren't forced to sign it.
22 We signed it in the interest of being able to

23 proceed with projects on a timely basis.

24 Q. It's your understanding if you did

25 not sign this, the approval process was much

1 more difficult then?
2 A. Yes. Right.
3 Q. It's your understanding for signing
4 this particular document that we have in front
5 of you, that is Exhibit 2, was that Pan Am
6 signed that so that it could move forward on --
7 A. Yes.
8 Q. -- on a timely basis; is that
9 correct?
10 A. Yes.
11 Q. Was there any other reason for Pan
12 Am signing it to your knowledge?
13 A. No.
14 Q. Did Pan Am have any interest at
15 this time, to your knowledge, or in connection
16 with signing this, did you understand that Pan
17 Am had any interest in suing the manufacturers
18 of any of these asbestos-containing materials?
19 A. I would not be aware if they did or
20 did not.
21 Q. Did your signing of this in any way
22 in your mind concern whether or not Pan Am

23 would or could sue any of the manufacturers of

24 asbestos-containing materials?

25 A. I don't know.

1 Q. You didn't have an understanding
2 that it...
3 A. Why don't you repeat that. Make
4 sure it was clear.
5 Q. In signing this, did you have an
6 understanding of whether or not that could
7 affect Pan Am's right to sue any manufacturers
8 of asbestos-containing materials being removed?
9 A. Well, I assumed it had some impact,
10 some impact. Otherwise, I would not be asked
11 to sign it, or we would not be asked to sign
12 it.
13 Q. If you read the waiver letter here,
14 it refers to Pan Am waiving its right for
15 reimbursement from the Port Authority; is that
16 correct?
17 A. Right. And I fully understood
18 that.
19 Q. There's nothing here in this
20 document that assigns Pan Am's right to the
21 Port Authority to seek cost recovery; is that
22 correct?

23 A. Not being an attorney --

24 Q. I mean according to your

25 understanding.

1 A. Yes.
2 Q. There's nothing there that has
3 that; is that correct?
4 A. Right.
5 Q. Did you ever understand Pan Am at
6 any time to assign any of its rights to the
7 Port Authority to seek recovery for asbestos in
8 Building 53 or Building 67?
9 A. No.
10 Q. Did you sign one of these every
11 time there was an asbestos abatement project at
12 the Worldport to your knowledge?
13 A. I did not sign those for every
14 asbestos project. I signed those for the
15 projects that I was involved in.
16 Q. Did Pan Am sign one of these for
17 every asbestos project it undertook at
18 Building 53?
19 A. I would say, I would think that,
20 yes, if everyone was doing their homework, yes,
21 that was routine.
22 Q. Certainly it was its intention to

23 do that?

24 A. Right, yes. Yes.

25 Q. At no time, to your knowledge, did

1 Pan Am seek reimbursement from the Port
2 Authority or anybody else for
3 asbestos-containing material removals from
4 Building 53; is that correct?
5 A. That's correct.
6 Q. Let me show you what I'd like to
7 mark as Grill Exhibit 3. This is another one
8 of these Asbestos Certification Letters and
9 Permit Applications. This one concerns project
10 Y-6142A.
11 EXH (Defendant's Grill 3, Port
12 Authority of New York and New Jersey
13 Asbestos Certification Letter and Permit
14 Application Y-6142A with attached Waiver
15 Letter, was marked for identification.)
16 (Witness peruses document.)
17 Q. Have you had a chance to review
18 that?
19 A. Yes.
20 Q. This is essentially the same as
21 Exhibit 2; is that correct? It's just with
22 respect to a different project?

23 A. Yes.

24 Q. It, too, if you look at the last

25 two pages, has another one of these Waiver

1 Letter Asbestos Removal letters. Do you see
2 that?
3 A. Yes.
4 Q. Would your answers be any different
5 with respect to this letter than they were with
6 respect to the letter attached to Exhibit 2?
7 A. No.
8 Q. The environmental consultant for
9 this project is also ATC Environmental; is that
10 correct?
11 A. Yes.
12 Q. Did Pan Am always use them as
13 environmental consultants, to your knowledge,
14 with regard to asbestos abatement projects?
15 A. They were used, and I can't say in
16 every case, but at least the cases, the jobs
17 that I was involved in, in that time frame.
18 They may have used others, other engineers.
19 Q. Had you ever had any communications
20 with an individual at the Port Authority named
21 Kevin Bleach?
22 A. No. If I did, I don't remember.

23 Q. Did you have any communication with

24 an individual called Paul Fernandez?

25 A. Yes, that I know.

1 Q. Mr. Fernandez was in the tenant
2 liaison office; was he the liaison person for
3 Pan Am?
4 A. No. -- oh, yes. He's with the
5 Port Authority, yes.
6 Q. Yes. He was a Port Authority
7 employee?
8 A. Right.
9 Q. He was the person with whom Pan Am
10 communicated --
11 A. Right.
12 Q. -- at this point in time?
13 A. Right.
14 Q. Let me show you a document I'd like
15 to mark as Grill Exhibit 4. This is a six-page
16 document, again consisting of an Asbestos
17 Certification Letter and Permit Application.
18 This one regarding application Y-6256A.
19 The difference here is this, then,
20 has a, looks like what appears to be a Port
21 Authority buckslip attached to the front of it
22 dated May 11, 1990 from Paul Fernandez to Kevin

23 Bleach.

24 EXH (Defendant's Grill 4, buckslip from

25 Paul Fernandez to Kevin Bleach dated May

1 11, 1990 with Port Authority of New York
2 and New Jersey Asbestos Certification
3 Letter and Permit Application Y-6256A and
4 attached Waiver Letter, was marked for
5 identification.)
6 (Witness peruses document.)
7 Q. Did you have an opportunity to
8 review that?
9 A. Yes.
10 Q. Is this a document you've seen
11 before?
12 A. I hope I saw it; I signed it. But
13 I --
14 Q. In fact, that's your signature on
15 the last page, correct?
16 A. Yes. But I'll be darned if I can
17 remember.
18 I remember where the lounge was.
19 It was a small lounge, but I can't remember
20 where that asbestos was. I remember the area
21 and the purpose of the lounge.
22 Q. This indicates only 300 square feet

23 of spray-on fireproofing; is that correct?

24 A. Yeah. Refugee lounge.

25 They wouldn't dare call it a

1 refugee lounge now.
2 Q. Again, this document is like what
3 we looked at in Exhibits 2 and 3; is that
4 correct?
5 A. Yes.
6 Q. Would your answers concerning the
7 last two pages, this waiver letter, be the same
8 as they were with respect to Exhibit 2?
9 A. Yes.
10 Q. Each of the Exhibits 2, 3 and 4,
11 that is your signature on the last page of each
12 one of those exhibits; is that correct?
13 A. Yes.
14 Q. You signed those in the ordinary
15 course of business; is that correct?
16 A. Yes.
17 Q. It was part of your
18 responsibilities at that time to sign documents
19 such as this; is that correct?
20 A. Well, either I assumed it; but yes,
21 it was part.
22 Q. Let me show you a document I'd like

23 to mark as Grill Exhibit 5. This is a

24 five-page document, again an Asbestos

25 Certification Letter and Permit Application.

1 This appears to have the Tenant Alteration
2 Application Number Y-6110A.
3 Take whatever time you'd like to
4 review that.
5 EXH (Defendant's Grill 5, Port
6 Authority of New York and New Jersey
7 Asbestos Certification Letter and Permit
8 Application Y-6110A with attached Waiver
9 Letter, was marked for identification.)
10 (Witness peruses document.)
11 Q. Have you had a chance to review
12 that?
13 A. Yes.
14 Q. This document appears to be the
15 same as Exhibits 2 through 4, just for another
16 TAA; is that correct?
17 A. Yes.
18 Q. Is that your signature on the last
19 page?
20 A. Yes.
21 Q. You've signed for Mr. Dugre?
22 A. Right.

23 Q. Was Mr. Dugre your boss at that

24 time?

25 A. Yes.

1 Q. Do you know why it was at this
2 point in time you're signing on his behalf;
3 whereas, in other instances, you signed
4 directly by yourself?
5 A. No. No, other than maybe we're
6 still just tightening up on the office
7 procedures.
8 Q. Again --
9 A. I --
10 Q. Go ahead.
11 A. Nothing specific in that it was a
12 meeting of minds, you know, today we're going
13 to do this versus that, no.
14 Q. With respect to the last two pages
15 of Exhibit 5, these two pages that are the
16 waiver letter, would your answers with respect
17 to those be the same as they were with respect
18 to the waivers that are on Exhibit 2?
19 A. Yes. I mean, this is the same
20 approach, same general purpose.
21 Q. Did you know an individual named
22 J.E. Baxter?

23 A. Yes.

24 Q. What were Mr. Baxter's

25 responsibilities at Pan Am?

1 A. He was regional managing director.
2 Q. Was he located at --
3 A. At Building 53.
4 Q. -- at Building 53?
5 A. Yes.
6 Q. What actual responsibilities did he
7 handle at Building 53 as regional director?
8 A. He was responsible for the
9 day-to-day operation of getting passengers on
10 board on time and getting -- deplaning on time,
11 total operation in the northeast.
12 Q. In the northeast, not just for
13 Building 53?
14 A. Right. At one point in time, he
15 had the Building 53 as well as the northeast.
16 Q. Did you know an individual named
17 Charles -- you already mentioned Charles Boll?
18 A. Right.
19 Q. In the 1989 time frame, what were
20 his responsibilities as an employee of Pan Am?
21 A. I believe at that time it was
22 project manager.

23 Q. For what project?

24 A. They varied but primarily for

25 mechanical systems, mechanical baggage handling

1 systems.
2 Q. Were there mechanical system
3 renovations being undertaken at this point, in
4 1989?
5 A. There could have been. I can't
6 say.
7 I know there were conveyor
8 modifications and installations as opposed to
9 heating and ventilating. I'm sure there's
10 always heating and ventilating problems in the
11 building that one has to, you know, address.
12 But to say specifically each of these jobs...
13 Q. Were his responsibilities limited
14 to Building 53, or were they broader than that?
15 A. The responsibilities were the jobs
16 that were assigned to you.
17 Q. The jobs assigned to him, did they
18 involve only JFK Airport or projects beyond
19 JFK?
20 A. Oh, no projects beyond JFK.
21 MR. NICYPER: This might be a good
22 time just to take a short break.

23 (Recess taken.)

24 Q. I think just before the break, Mr.

25 Grill, you had mentioned something about one of

1 the abatements was a small abatement involving
2 concrete; is that correct?
3 A. Yes.
4 Q. Which one was that you were
5 referring to?
6 A. I think that was, I think in the
7 pilots' lounge.
8 MS. GRUENLOH: You think it was the
9 last one?
10 Q. Exhibit 5?
11 A. It wasn't that.
12 MS. GRUENLOH: Here's "pilot's
13 lounge."
14 THE WITNESS: Yes, pilots' lounge.
15 Q. That's Exhibit 3 you're looking at
16 now?
17 A. Yes. Twenty square feet of
18 concrete spray-on.
19 MS. GRUENLOH: Exhibit 2.
20 Q. With regard to this abatement, what
21 is your recollection as to why, what was being
22 done here?

23 A. I think it was concrete

24 fireproofing up to a certain point.

25 Q. On a column. The column was

1 actually surrounded with concrete?
2 A. Right, and on top it was fireproof
3 spray-on I believe. But in order to get up
4 there and work in that area, that's what the
5 concern was.
6 Q. They didn't know whether they would
7 be coming in contact with the fireproofing, but
8 as a precaution --
9 A. Right. It wasn't necessary to
10 remove it because you had to have access to
11 where the fireproofing was. You had to have
12 access, you know, in a short distance from the
13 fireproofing.
14 Q. So they weren't sure whether or not
15 they'd be coming in contact with the
16 fireproofing, but they thought they might be?
17 A. This was the concrete (indicating).
18 This was the steel column, and the fireproofing
19 was up here (indicating). So in order for
20 somebody to work here (indicating) --
21 Q. To work down below where the
22 spray-on fireproofing was?

23 A. Right. The spray-on fireproofing

24 touched the concrete. All right?

25 Fireproofing, there was nothing wrong with the

1 spray-on fireproofing. It was the concrete
2 where the fireproofing was sprayed. So in
3 order to patch this, conceivably you were close
4 to it. In any case, when you got close to an
5 area that had fireproofing on it, you know, you
6 had to take precautions.
7 Q. So it was generally, it was your
8 understanding when you got close to an area
9 that had asbestos-containing fireproofing, you
10 had to take it out?
11 A. You had to take it out or provide
12 protection that the person doing this job, that
13 it was not asbestos related.
14 Q. Who made those decisions for Pan
15 Am? Was that done by the environmental
16 consultant?
17 A. Yes. The environmental consultant
18 and also the Port Authority would look at it
19 and say, although this may not be an asbestos
20 removal project, to have access to something,
21 you're working in such close proximity of this.
22 Q. That you might touch it?

23 A. Right.

24 Q. So the Port Authority actually

25 would make a determination and tell them at

1 times that it had to remove or not remove
2 material?
3 A. Right. And there was always good
4 communication between the environmentalist and
5 the Port and the client, saying, yes, you know,
6 rather than taking any chances, this is what we
7 should do to be on the -- err on the safe side.
8 Q. But at times those decisions were
9 made or directed by the Port Authority on when
10 to remove?
11 A. Directed, ultimately I guess it was
12 the environmentalist who planned and prepared
13 drawings and procedures; but, yes, it was the
14 Port Authority that jointly dictated what had
15 to be done or commented on it.
16 Q. I'd like to now, if I could, go to
17 the time, I guess, beginning in 1993, March
18 1993 when you were with Tower Air and cover the
19 time you were actually employed by Tower Air
20 and then the same period of time under which
21 you were consultant. So it would be the period
22 March 1993 to July 1995.

23 Did you have any involvement at

24 that time with lease negotiations between Tower

25 Air and the Port Authority?

1 A. No.
2 Q. Who on behalf of Tower Air handled
3 lease negotiations?
4 A. I'm not certain, but most probably
5 it would have been the owner, Mr. Nachtomi.
6 Q. Do you know how to spell that?
7 This is the name you wrote on Exhibit 1-A?
8 A. No. That was Ann Atkabowski.
9 (Witness hands document.)
10 Q. There may have been others, but I'm
11 not -- maybe his attorneys got involved. I
12 don't know.
13 Q. What was Mr. Nachtomi's title with
14 Tower; he's employed by Tower Air?
15 A. He's the president or the owner,
16 chairman. I'm not sure.
17 Q. Did you ever have any
18 communications with Robert Treiling during the
19 time that you were there, T-r-e-i-l-i-n-g?
20 A. Treiling.
21 Q. Treiling. I'm sorry.
22 A. Yes.

23 Q. What were the nature of your

24 communications with Mr. Treiling?

25 A. Strictly on the status of

1 reimbursement, financial reimbursement from the
2 Port for this project.
3 Q. When you say "financial
4 reimbursement," did Tower Air actually incur
5 the cost of the asbestos abatement at its
6 facility?
7 A. Did they incur the cost? No. I
8 believe they were reimbursed by the Port.
9 Q. That was your understanding from
10 the lease -- through these negotiations with
11 Mr. Treiling?
12 A. Let me say that I did not deal with
13 Mr. Treiling as far as the terms and conditions
14 of the lease. That had been already set up, or
15 it was apparently an agreement between the
16 parties that the lease as granted contained
17 certain elements.
18 My discussions with Treiling was
19 only insofar as processing payment for
20 reimbursement, because I initiated these
21 requests for reimbursement. They were -- Mr.
22 Treiling's desk was the first desk they went

23 to. Then it went on to the resident engineers

24 and stuff like that. It had nothing to do with

25 terms and conditions of the lease.

1 Q. When you say "reimbursement," was
2 this actual reimbursement, or was this
3 something Tower Air was paying back over time?
4 A. It was reimbursement in the
5 duration of the period of the construction.
6 Q. But then did Tower Air have
7 responsibility to pay that back over time for
8 years after construction?
9 A. I believe so. I believe so.
10 Q. When you say "reimbursement," it
11 was really more of a financing arrangement?
12 A. Yes. It was initially a
13 reimbursement, that you got a check from the
14 Port Authority to cover you for these costs,
15 and then what happened after that as far as
16 what portion was rent, what portion was
17 additional rent in the financing of that I'm
18 not familiar with.
19 Q. It was paid back over time?
20 A. Yes, I believe so.
21 Q. So this was something like a loan,
22 then, from the Port Authority?

23 A. Yes.

24 Q. In other words, not a direct

25 reimbursement; they were not incurring the

1 cost; is that correct?
2 A. Right.
3 Q. You submitted these letters to Mr.
4 Treiling directly?
5 A. Right.
6 Q. He passed them on someplace within
7 the Port Authority?
8 A. The resident engineer's office.
9 Q. Were these checks to Tower Air, or
10 were these paid directly to the environmental
11 consultant and the renovation --
12 A. No. To Tower Air.
13 Q. Did this concern the entire
14 renovation project or just the asbestos
15 portion?
16 A. No. The entire project.
17 Q. In other words, there was
18 renovation going on that did not pertain to
19 asbestos removal, correct?
20 A. Oh, yes, yes.
21 Q. Charles Boll also worked for Tower
22 Air; is that correct?

23 A. Oh, no, no. No.

24 Q. Did he have any involvement with

25 activities at Tower Air?

1 A. No.
2 (Witness confers with counsel.)
3 Q. Do you know whether there were any
4 discussions with Tower Air regarding this
5 lawsuit between the Port Authority and Tower
6 Air?
7 A. I'm not aware of any discussions
8 or -- no.
9 Q. Do you know whether Tower Air at
10 any time considered becoming a party to this
11 lawsuit?
12 A. No, I do not know.
13 Q. Tower Air, as I understand it,
14 then, incurred money for the asbestos removal
15 at Building 213; is that correct?
16 A. Right.
17 Q. Then it received, as you described
18 this process, a loan from the Port Authority,
19 which it then paid back over time?
20 A. Yes.
21 Q. Did Tower Air ever consider suing
22 the manufacturers of any of the

23 asbestos-containing materials at 213, Building

24 213?

25 A. I would not be privy to that

1 information.
2 Q. Did you ever hear of that?
3 A. No, sir.
4 Q. Do you know whether the Port
5 Authority ever told Tower Air that Tower Air
6 would try to cover any of the costs for that
7 asbestos removal project?
8 A. I would not be aware of any
9 conversation regarding that, no.
10 Q. Who would handle that on behalf of
11 Tower Air, if anybody? If you wanted to find
12 out whether or not the Port Authority
13 communicated with Tower Air regarding this
14 lawsuit, who would you talk to? Who would be
15 the likely person you would go to at Tower Air
16 to find that out?
17 A. Nachtomi; the vice president of
18 operations, Ann Atkabowski. There could have
19 been others. There could have been a Mr.
20 Gelban.
21 Q. Mr. Steve Gelban?
22 A. Right.

23 Q. He's outside counsel for Tower Air;

24 is that right?

25 A. Right, but I wouldn't know. Could

1 be.
2 Q. I think you've already testified,
3 you're not aware of whether or not Tower Air
4 has other facilities at any place throughout
5 the United States other than just space it
6 rents; is that correct?
7 A. I was only aware of the project at
8 213. That was the only...
9 Q. But aside from the project, is that
10 the only Tower Air facility you're aware of?
11 A. Yes, that's the only facility that
12 I know Tower Air is involved in; that's 213 and
13 Hanger 17.
14 Q. You know, however, that they do
15 rent space at other airports around the
16 country?
17 A. I would assume they'd have to rent
18 space. I don't know for a fact that they rent
19 space.
20 Q. They fly to other areas; is that
21 correct?
22 A. Right. So that's why I'm assuming.

23 Q. In order to fly to another airport,

24 you at least must have some type of facility,

25 whether it be a gate or access to a gate or

1 joint involvement with a gate; is that correct?
2
3 A. Right, but you could also have
4 another airline service you or another airport
5 operator service your aircraft, just
6 turnaround, and you would not have any leases
7 necessarily or subleases or whatever in that
8 area.
9 Q. Would just be a servicing
10 arrangement?
11 A. Right, service arrangement for your
12 aircraft, so you're not leasing anything.
13 You're paying so much per hour for the gate.
14 Q. In other words, passengers to go in
15 and out of the gate; is that correct?
16 A. Right.
17 Q. So there would be at least some
18 arrangement concerning that facility?
19 A. Right, some arrangement, yes.
20 Q. Are you aware of any policy Tower
21 Air has or ever had regarding
22 asbestos-containing materials in any of its

23 facilities?

24 A. No, sir.

25 Q. To your knowledge, did the Port

1 Authority ever instruct Tower Air to notify its
2 patrons that there was asbestos-containing
3 material in Building 213?
4 A. I'm not aware.
5 Q. To your knowledge, did Tower Air
6 ever do that?
7 A. I don't know.
8 Q. Are you aware of them ever having
9 done it?
10 A. No, I'm not aware.
11 Q. Are you aware at the time you were
12 at the Tower Air facility of whether Tower Air
13 placed any signs notifying customers or patrons
14 that there was asbestos-containing material in
15 that building, 213?
16 A. I'm not aware of that happening.
17 Q. You never saw any signs?
18 A. Never saw any.
19 Q. When Tower Air did the renovation
20 in that building, it did not remove all the
21 asbestos-containing material; is that correct?
22 A. That's correct.

23 Q. Approximately half was taken out

24 and half remained; is that correct?

25 A. Yes.

1 Q. What was your involvement with the
2 asbestos removal project? What responsibility
3 did you have?
4 A. I had the responsibility of getting
5 an environmentalist to check the areas that was
6 thought of as being needed to implement the
7 plans or the renovations that were called out
8 by the architect.
9 Q. And the environmentalist you
10 retained was Authentica; is that correct?
11 A. Yes.
12 Q. How did you go about selecting
13 Authentica? What were your criteria?
14 A. They had done work for Tower Air
15 before I got there, so we continued with them.
16 Q. What other facilities did they do
17 work for Tower Air at, what facility did they
18 do work?
19 A. They also did work for Hanger 17.
20 Q. Hanger 17 at JFK?
21 A. Yes.
22 Q. That was another facility that

23 Tower Air operated?

24 A. Yes.

25 Q. Did you oversee the actual

1 abatement process, asbestos abatement process
2 that went on at Building 213?
3 A. I saw a portion of it.
4 Q. What portion is it that you
5 monitored?
6 A. The last, the last half of the
7 project.
8 Q. Why is it that you saw only the
9 last half of the project as opposed to the
10 first half?
11 A. Because I was not there for the
12 first half. It was, when I joined Tower the
13 major portion of the asbestos that had to be
14 removed was removed.
15 Q. Had already been removed?
16 A. Yes.
17 Q. Was that done by a different
18 environmental consultant, or was that also done
19 by Authentica?
20 A. No. I believe it was the same
21 company, Authentica.
22 Q. Who made the determination of

23 whether or not to remove asbestos-containing

24 material in Building 213?

25 A. The determination was made by the

1 need to go into these additional areas either
2 to modify beams or have access to certain areas
3 for the installation of an elevator, doors that
4 had not been specified on the initial plan or
5 by the architect as having to have access to.
6 Q. Who made the determination of
7 whether or not to remove asbestos-containing
8 materials? Would that be --
9 A. The environmentalist.
10 Q. Did they make a determination or a
11 recommendation?
12 A. Determination if we wanted to get
13 involved in a certain area and implement a
14 certain program, the asbestos was in the way,
15 therefore we had to remove it.
16 Q. They gave a recommendation that it
17 had to be removed?
18 A. Right. We're going back to the
19 form.
20 Q. Who at Tower Air agreed with or
21 disagreed with that recommendation?
22 A. Ann Atkabowski.

23 Q. That was solely her responsibility;

24 that was not the responsibility of Mr.

25 Nachtomi?

1 A. I don't know whose responsibility
2 it would have been above the level of Ann
3 Atkabowski, because she's the person I reported
4 to then.
5 Q. Is she still with Tower Air?
6 A. No.
7 Q. Do you know where she's located
8 today?
9 A. I believe she's working in
10 Building 53, but I don't know with what
11 airline.
12 Q. You don't know if she's employed by
13 Delta?
14 A. No, she's not employed by Delta.
15 Q. Delta currently operates Building
16 53; is that correct?
17 A. Yes.
18 Q. But she may be working with a
19 subtenant there?
20 A. Right.
21 Q. What was the cost of the asbestos
22 abatement project at Building 213?

23 A. I don't remember.

24 Q. You say Authentica was the

25 environmental consultant; is that correct?

1 A. Right.
2 Q. Who actually did the removal, which
3 company was that?
4 (Pause)
5 Q. Do you recall?
6 A. I don't want to bet my life on it,
7 but I think it was Ogden Allied. That must be
8 part of the record someplace. You have those
9 records.
10 (Witness confers with counsel.)
11 Q. Do you recall whether Ogden Allied
12 also assisted in some of the renovation work,
13 assisting in taking down partitions in order to
14 get at where the asbestos-containing material
15 was located?
16 A. It's conceivable, yes, they may
17 have taken down some walls that normally could
18 not have been removed without interfering with
19 asbestos, conceivably. But they were not a
20 demolition contractor.
21 Q. They weren't a demolition
22 contractor?

23 A. No.

24 Q. But these were walls that had to be

25 taken down in connection with the renovation

1 project; is that correct?
2 A. Right.
3 Q. So it was convenient to have them
4 do it if they were going to be doing the
5 asbestos abatement too; is that correct?
6 A. Right.
7 Q. By the removing of the walls it was
8 not required -- the asbestos removal was more
9 required by whatever was being done by the
10 renovation; is that correct?
11 A. It was not required by -- the
12 asbestos removal, it was required because you
13 could not remove the wall without disturbing
14 the asbestos, hand-in-hand.
15 Q. And the wall had to be removed to
16 do whatever was required for the renovation?
17 A. Yes, sir.
18 Q. Do you recall that that happened in
19 several locations in the building, where you
20 utilized Ogden Allied's service to take down
21 some of the partitions or the walls?
22 A. In my -- in a portion that I was

23 involved in, it was minimal, the removal of

24 walls or other things were minimal.

25 Q. But there were several walls; is

1 that correct?
2 A. I --
3 Q. You don't recall?
4 A. I don't recall.
5 Q. Was there anybody else from Tower
6 Air who had responsibility in connection with
7 the renovation or asbestos abatement project
8 other than you and Ann Atkabowski?
9 A. Not to my knowledge.
10 Q. Do you recall that in connection
11 with that project, a new spray-on fireproofing
12 was installed?
13 A. Right, yes.
14 Q. Do you recall what material or what
15 product that was that was installed?
16 A. No, I do not.
17 Q. Do you recall who the manufacturer
18 was?
19 A. No, I do not.
20 Q. If I could, let me step back now
21 again, I apologize for jumping back and forth
22 here a bit, back to the period of time you were

23 project manager in the Properties and

24 Facilities Department at Pan Am during the

25 period 1962 to 1975.

1 Do you recall at any time the Port
2 Authority issuing instructions not to use
3 asbestos-containing materials in buildings?
4 A. I do not recall.
5 Q. Do you recall at any time the Port
6 Authority requiring certain procedures be
7 followed if asbestos-containing materials were
8 to be installed at buildings at JFK Airport?
9 A. I do not recall. That's not to say
10 it wasn't. I just don't remember.
11 Q. You don't recall that happening?
12 A. Right.
13 Q. Do you recall in connection with
14 any of the buildings that we talked about that
15 were constructed or expanded in the 1969 to
16 1972 period, whether Pan Am had switched from
17 an asbestos-containing material to a
18 nonasbestos-containing material?
19 A. Not at all, I don't recall, no.
20 Q. Do you recall whether Pan Am did
21 that at any facility throughout the nation?
22 A. No, sir, no.

23 Q. I take it, then, you were not

24 involved in any discussions on whether or not

25 to switch from asbestos-containing fireproofing

1 to a nonasbestos-containing fireproofing; is
2 that accurate?
3 A. That's correct.
4 Q. Going back to the period of time
5 when you were at Tower Air, did you know an
6 individual named Mr. Meserole?
7 A. Yes. Corky Meserole the II.
8 Q. You were refreshed about that with
9 some cards that you have with you.
10 Did you bring any other cards with
11 you today that have some other individuals'
12 names?
13 A. No. I just brought these in, that
14 they were a few cards and I thought in the
15 event the name came up, we'd have the correct
16 spelling.
17 Q. The cards you do have with you, can
18 I take a look at those?
19 (Witness complies with request.)
20 Q. This is a card from Authentica. I
21 see a Michael Theodore, who's the president.
22 A. Yes.

23 Q. Did you have direct contact with

24 Mr. Theodore?

25 A. No. Spiro Dongaris I worked with.

1 Q. An individual named Spiro?
2 A. Dongaris, D-o-n-g-a-r-i-s.
3 Q Spiro, S-p-i-r-o; is that correct?
4 A. I think it's Dongaris.
5 Q. He's the individual who you
6 communicated with directly for the Tower Air
7 abatement project?
8 A. Yes.
9 Q. Did Mr. Dongaris give opinions on
10 whether or not asbestos-containing material
11 should be removed from that building?
12 A. Yes.
13 Q. Did the Port Authority also take up
14 a position on whether certain materials should
15 be removed, certain asbestos-containing
16 materials should be removed from that building?
17 A. Generally speaking, yes, they
18 participated and if not dictated.
19 Q. Who from the Port Authority had
20 that input?
21 A. I can't remember his name.
22 Q. Would it have been Michael Capasso?

23 A. No. Michael Capasso was resident

24 engineer's office. There's a department that

25 just concerned themselves with this processing

1 and monitoring asbestos.
2 Q. Was that the Asbestos Management
3 Division?
4 A. Yeah.
5 Q. Wouldn't have been Mr. McKeever,
6 Mr. Padiro, Mr. San Pierre?
7 A. No. The other name you mentioned?
8 Q. Dick Padiro?
9 A. No.
10 Q. Kevin Bleach, Serge Benjamin?
11 Harry Poole, Sanyog Thorve?
12 A. No. Ask me another question.
13 Q. You don't recall who it was?
14 A. He was a former Pan Amer, too. I
15 just can't think of his name.
16 Q. He was a former Pan Amer?
17 A. Yeah. It's an Italian name. Tony,
18 Anthony.
19 MR. NICYPER: Off the record.
20 (Discussion held off the record.)
21 (Recess taken.)
22 Q. Was the individual's name we were

23 trying to think of Anthony Fontanetta?

24 A. Yeah, Anthony Fontanetta, right.

25 F-o-n-a-n-e-t-t-a I believe.

1 Q. I believe it's F-o-n-t-a-n-e-t-t-a.
2
3 What were Mr. Fontanetta's
4 responsibilities? This is in connection with
5 the Tower Air building; is that correct?
6 A. He didn't get involved in it
7 day-to-day, inspection or field inspection, but
8 I believe he's the head of that small group of
9 the Port Authority at the airport.
10 Q. Is he the one we're talking about
11 that gave directives on whether or not
12 asbestos-containing materials should be removed
13 from the building?
14 A. I don't know if he gave directives
15 as opposed to the environmentalist requirement,
16 satisfying the laws and Port Authority
17 regulations that dictated asbestos had to be
18 addressed as a result of a construction or
19 alteration. But they reviewed the material.
20 They reviewed the material that was submitted
21 and gave that approval.
22 Q. However, somebody from the Port

23 Authority came to the site and would look at

24 areas to be renovated and make a determination

25 of whether it came within the regulations or

1 not?
2 A. Yes.
3 Q. And he was the one who did that?
4 A. He didn't do it on a regular basis.
5 He would do it occasionally, but he had people
6 on his staff or in that department that did it
7 on a more regular basis.
8 Q. He previously worked for Pan Am you
9 said?
10 A. Yes.
11 Q. What was his responsibility at Pan
12 Am?
13 A. I don't recall. I think he was in
14 the industrial engineering or shop activities.
15 Q. Do you know how long he worked for
16 Pan Am prior to its bankruptcy?
17 A. No.
18 Q. In connection with construction of
19 Building 53, you had identified TAMS as being
20 the architect you believe, is that correct, for
21 the expansion project in 1969, 19 --
22 A. Right.

23 Q. Do you recall an individual by the

24 name of S. Sharma (phonetic) from TAMS being

25 involved in that, being one of the architects?

1 A. Name doesn't ring a bell at all.
2 Q. Does the name W. Potter have any
3 significance to you?
4 A. No.
5 Q. Walter Potter from TAMS?
6 A. The names you're mentioning, I
7 would not have remembered those names without
8 you mentioning them, and I don't know where
9 they were in the organization, what their
10 responsibilities were.
11 Q. In terms of Port Authority tenant
12 construction review people, do you recall the
13 name T. Kennedy?
14 A. The name is familiar but that's
15 all. I don't know where, you know, he was.
16 Q. I think we already mentioned the
17 name first initial T last name Finn, F-i-n-n.
18 You don't recall much about that individual?
19 A. No.
20 Q. Do you remember a Sergeant J.
21 Collins from the Port Authority?
22 A. No.

23 Q. Or a Mr. C.K. Brook?

24 A. Yes. Mr. Brook was my boss. He

25 was the manager. At that time they used the

1 term "manager."
2 Q. Does the name first initial H last
3 name Pittel, P-i-t-t-e-l, have any
4 significance?
5 A. Say that again. Pittel?
6 Q. Pittel, P-i-t-t-e-l.
7 A. No.
8 Q. M. Tomasetti, T-o-m-a-s-e-t-t-i?
9 A. It means something to me now, but I
10 don't know if that was the same.
11 Q. You know an individual with the
12 name Tomasetti with the first initial M?
13 A. Just Tomasetti. He's an older
14 gentleman who has a structural engineering
15 firm, but I don't know back then. Could be two
16 different people.
17 Q. Individual, first initial C last
18 name Patallides, P-e-t-a-l-l-i-d-e-s?
19 A. Doesn't ring a bell.
20 Q. Let me show you a document I'd like
21 to mark as Grill Exhibit 6. This is a
22 four-page document dated June 20, 1986 from a

23 firm William Nicholas Bodouva & Associates to

24 the Port Authority, attention Abe Friedman.

25 EXH (Defendant's Grill 6, letter to Abe

1 Friedman from Larry Goldberg dated June
2 10, 1986, was marked for identification.)
3 (Witness peruses document.)
4 Q. Have you had a chance to review
5 that?
6 A. Yes.
7 Q. Do you recall this project referred
8 to in Exhibit 6?
9 A. Yes, I recall this project.
10 Q. What was the nature of the work
11 being undertaken as described in this document?
12 A. I believe it was replacement of
13 ceiling tile and lighting, and I had mentioned
14 before about my partial involvement in the
15 upgrading of gates. Do you recall that,
16 departure gates?
17 Q. Yes.
18 A. Well, I think this was part and
19 parcel of that. And the job was completed or
20 90 percent, 95 percent completed when I got
21 involved in this project. There was another
22 gentleman that was handling this for properties

23 and facilities.

24 Q. Who was that who was handling it

25 prior to you?

1 A. The name is Frank Manka.
2 Q. M-a-n-k-a?
3 A. k-a, right. And he was with Pan Am
4 at the time.
5 Q. This letter is sent to Mr. Abe
6 Friedman. Do you see that?
7 A. Yes.
8 Q. Do you recall what responsibilities
9 Mr. Friedman had at the Port Authority?
10 A. He processed tenant alteration
11 applications.
12 Q. This appears to be a renovation
13 project in or about June 1986; is that correct?
14 A. Right.
15 Q. When you became involved in this
16 project, what were you told about the project?
17 A. Really wasn't told anything about
18 the project, in that the project was completed,
19 and there were loose ends to complete the
20 project. And Frank Manka at that time, or
21 there about, was leaving Pan Am. I don't think
22 he was employed. He was working as a

23 consultant. Okay? And that's about the extent

24 of it.

25 It was something like 12 lounges,

1 and I think there was one to be done; one could
2 have been completed when I got involved. And
3 basically it was replacement of ceiling tile.
4 The black iron and grid were being reused. It
5 was just the ceiling tile at that point.
6 Q. When you say "the black iron and
7 grid" when you talk about ceiling tile, those
8 are often ceilings that we see as we stand in a
9 room and look up, you can seek the tile right
10 above you; is that correct?
11 A. Exactly.
12 Q. And then actually substantially
13 above that is the actual structural ceiling
14 in the room; is that correct?
15 A. Exactly.
16 Q. There's usually some space, it
17 varies from building to building, between the
18 ceiling tile and the actual structure of the
19 ceiling above it; is that correct?
20 A. Right.
21 Q. What you're talking about here,
22 then, is for that ceiling tile that we see,

23 that is often placed in a metal grid that hangs

24 down from the true ceiling; is that correct?

25 A. Precisely.

1 Q. Did this project, to your
2 recollection, involve an asbestos abatement?
3 The project I'm referring to is what is
4 referred to here in Grill Exhibit 6.
5 A. I don't recall that it did,
6 asbestos abatement. But I think what was done
7 was for dust control. To separate the work
8 area with the public area, these lounges were
9 taped off with polyethylene.
10 Q. This is in Building 53; is that
11 correct?
12 A. Yes.
13 Q. Up above where the ceiling tile
14 was, was there asbestos-containing fireproofing
15 on the structural steel?
16 A. In most of the corridors -- or
17 lounges, gate lounges, departure lounges, yes.
18 I don't want to say specifically in this area
19 because I don't know.
20 As you said before, this is a
21 connecting corridor from the old building you
22 described before, to the new building.

23 Q. But in the other one, you said

24 there were separate gates involved in this

25 process and lounges; is that correct; this is

1 one aspect of a larger project?
2 A. Right.
3 Q. In those general areas, in most
4 instances when you say most of the lounges,
5 those did involve or did have an
6 asbestos-containing fireproofing above this
7 drop tile ceiling; is that correct?
8 A. Right.
9 Q. But the work was done without
10 having to remove the asbestos-containing
11 fireproofing; is that correct?
12 A. Right, because that was 10 feet
13 above the hung ceiling. Eight to ten, six.
14 You could stand there and maybe not be able to
15 touch the structural slab.
16 Q. So there was no need in that
17 instance to remove the asbestos-containing
18 material, correct?
19 A. Yes.
20 Q. This, however, this letter is
21 responding to comments from the Port Authority;
22 is that correct?

23 A. Yes.

24 Q. For example, if you look on page 2

25 of the letter, there's a comment there, if you

1 look at Comment 7.

2 Let me clarify one thing. I should

3 have done it earlier. If you look at the last

4 page of the letter, this identifies you as

5 having been sent a copy; is that correct?

6 A. Yes.

7 Q. Also identifies a copy being sent

8 to Mr. Billett, who I believe you've already

9 discussed?

10 A. Right.

11 Q. Also identifies a Mr. first initial

12 D last name King?

13 A. King, right.

14 Q. What were Mr. King's

15 responsibilities?

16 A. I reported to Mr. King.

17 Q. At this point in time --

18 A. Yes.

19 Q. -- what was his title?

20 A. I believe it was systems director.

21 Q. What system did he direct?

22 A. The construction of new projects,

23 as well as building maintenance operations and

24 was formally a pilot.

25 Q. Do you know for how long he had

1 this responsibility prior to 1986?
2 A. No, I don't. I believe it was in
3 the area of maybe three, four years.
4 Q. Did you know for how long he had it
5 after 1986?
6 A. No, can't say as I recall.
7 Q. Do you know when he left Pan Am,
8 where he went?
9 A. Back to flying.
10 Q. Do you know who he currently flies
11 with?
12 A. Delta.
13 MR. NICYPER: Off the record.
14 (Discussion held off the record.)
15 Q. Now if you would refer, please, to
16 page 2 of Exhibit 6, again Comment 7, is it
17 your understanding that's a comment from the
18 Port Authority to the architects regarding this
19 project?
20 A. Yes.
21 Q. That refers there to, states that
22 "The contract drawings and specifications do

23 not adequately address the proper handling of

24 asbestos-containing material in the event the

25 material is prevalent in the work site."

1 Do you see that?
2 A. Yes.
3 Q. Then as a result asks the
4 following, that various procedures be followed.
5 Do you see that?
6 A. Yes.
7 Q. One is that a survey, the area be
8 surveyed. Do you see that?
9 A. Yes.
10 Q. The next is that bulk sampling be
11 performed. Do you see that?
12 A. Yes.
13 Q. And then the third is that if
14 asbestos is present, to remove and dispose of
15 the material. Do you see that?
16 A. Yes.
17 Q. These are all directives by the
18 Port Authority; is that correct?
19 A. Yes.
20 Q. Do you recall whether Pan Am
21 undertook each of these three activities?
22 A. I can't say as I do. It's not

23 clear to me. I can't picture that. If it

24 happened or it didn't happen, I don't know. Or

25 if it was required, I don't know.

1 Q. In any event, the Port Authority
2 would have had somebody on site to approve what
3 was being done; is that correct?
4 A. Yes, undoubtedly a plan would have
5 had to have been submitted as to what was
6 involved and what to do.
7 Q. The Port Authority would have an
8 inspector from the resident engineer's office
9 oversee the project or periodically monitoring
10 the project?
11 A. Yes, I would suspect yes, that
12 would have been the routine.
13 Q. That was the standard procedure?
14 A. Right.
15 Q. If you look on the third page,
16 Comment 9 states, "Place Note on Drawings: The
17 architect/engineer shall periodically inspect
18 the construction site to insure that there is
19 no asbestos present." Do you see that?
20 A. Yes.
21 Q. Do you recall if that was done?
22 A. No, I can't honestly say that it

23 was or was not done.

24 Q. You just don't know either way?

25 A. I don't recall, right.

1 Q. Do you recall at this point in
2 time, June 1986, whether a survey had been done
3 in the building to evaluate asbestos-containing
4 materials?
5 A. I really don't remember if a survey
6 was or was not done. In the entire building
7 we're speaking of?
8 Q. Yes.
9 I guess, in any event, it was known
10 that the fireproofing was asbestos-containing
11 in the building?
12 A. Right, and I don't know how they
13 came to those conclusions.
14 Q. You don't know what other
15 asbestos-containing materials were in the
16 building, do you?
17 A. No.
18 MR. NICYPER: I don't have any
19 further questions at this time.
20 We have just received some
21 documents from TOGA. I don't anticipate
22 that would require calling you back,

23 taking any more of your time, but

24 certainly I reserve our right should that

25 be necessary, to be able to do that.

1 Again, I don't anticipate that being the
2 case.
3 Thank you very much for coming
4 today.
5 THE WITNESS: You're welcome.
6 MS. GRUENLOH: I don't have any
7 questions.
8 (Time noted: 4:25 p.m.)
9
10
11
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24

25

1 C E R T I F I C A T I O N O F W I T N E S S

2

3 I have read the foregoing transcript of my

4 deposition and find it to be true and accurate

5 to the best of my knowledge and belief.

6

7

8

9

10 ----------

11 FRANK GRILL

12

13

14

15 Sworn and subscribed to before me on

16 this_____day

17 of_____, 1996

18

19

20

21 Notary_____

22 My Commission Expires_____

23

24

25

1 C E R T I F I C A T E

2 STATE OF NEW YORK)
: ss.
3 COUNTY OF NEW YORK)

4 I, EILEEN CAMPBELL, a Shorthand
5 Reporter and Notary Public within and for
6 the State of New York, do hereby certify:
7 That FRANK GRILL, the witness whose
8 deposition is hereinbefore set forth, was
9 duly sworn by me and that such deposition
10 is a true record of the testimony given by
11 that witness.
12 I further certify that I am not
13 related to any of the parties to this
14 action by blood or marriage, and that I am
15 in no way interested in the outcome of
16 this matter.
17
18 ----------
19 EILEEN CAMPBELL
20
21
22

23

24

25

Abatement Projects

JFK

[redacted] Completed

Completed

Completed (Phase I)

Completed

Completed

Completed

Completed

In Progress

Completed

Phase 3 In Progress

Completed

Completed

Completed

Completed

Abatement Projects

JFK CONTINUED

[redacted]		Completed
		Completed
		Completed
Pan Am, Terminal B, Outside Trench - 215.523	JFK-029-90	Completed
Pan Am Building 53, Concourse Level, Refugee Lounge - 215.125	JFK-026-90	Completed
[redacted]		Completed
		Completed
		Completed
		Completed Phase I
		Completed Phase II
		Completed
[redacted]		Completed
		In Progress
		Completed
		Completed
		In progress
		Completed

Abatement Projects

JFK CONTINUED

[redacted]		Completed
		In Progress
		Completed
		Completed Phase I
Pan American Canopies, Building 53 - 215.059	JFK-010-90	Completed
[redacted]		Completed
		Completed
		Completed
Pan Am Mrs. Field's Cookie Shop, Building 53 - 215.147	JFK-053-90	Completed
[redacted]		Completed
		In Progress
		Completed
		Completed
		Completed
		Completed
		In Progress

B-U-C-K-S-L-I-P

To: Dick
From: Kelly
Date: August 17, 1990
Subject: Asbestos Abatement Status Report For The Period Ending August 17, 1990.

cc: Chris

Department	Avia.	Port	Rail	TB&T	WT/ED	Total
Planning	29	9	0	6	19	66
On Going						
PA	3	0	1	3	1	8
TAA	4	0	0	0	0	4
						78

Kelly

Page No. 1
08/17/90

ON GOING ABATEMENT

CNT	STATUS	DEPT	FACILITY	BUILDING	LOCATION	CONTRACTOR	JOB NUMBER	CONTRACT NUM	CONTRACT MONITOR
** DEPT. WT&ED									
1	ONGOING	WT&ED	WTC	1	29TH FLOOR	ASBESTOS CONTROL SERVICES	115.245	WTC-115.231	G. MASON
** Subtotal **									
1									
** DEPT. AVIATION									
[redacted]									
1	ONGOING	AVIATION	JFK	BLDG 54	PAN AM TERMINAL B OUTSIDE TRENCH	OGDEN/DECONTAMINATION SRV	215.523	JFK 215.500	A. KUMAS
** Subtotal **									
7									
[redacted]									
4									
*** ~~Total~~ ***									
~~12~~									

1 RAIL PATH - JS
Signal foreman

certified NO JOB #-

P 599988

RPP-4

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION *	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]								N	06/30/90	JFK-028-90	N
								Y	/ /	JFK-006-90	N
								N	/ /		N
								N	/ /	JFK-016-90	N
								N	/ /		N
								Y	/ /	JFK-011-90	N
								N	/ /		N
								Y	/ /	JFK-004-90	N
								Y	/ /		N
								N	/ /	JFK-012-90	N
215.071		JFK - BLDG. # 53, PAN AM GATE 9, PASSENGER WAITING AREA	APED	K. GOSS	/ /	COMPLETED (Y6123A).	N	Y	/ /		N
[redacted]									/ /		N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/17/90

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]									/ /		N
[redacted]									/ /		N
[redacted]									/ /		N
[redacted]									/ /		N
[redacted]									/ /		N
[redacted]									/ /	JFK-017-90	N
[redacted]									/ /	JFK-005-89	N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N
[redacted]						3 - NO EPA	N	Y	/ /		N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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[redacted]							Y	Y	/ /		N
215.059		JFK - BUILDING # 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	D. SAMUELS	/ /	COMPLETED.	Y	Y	/ /	JFK-010-90	N
[redacted]							Y	N	/ /	JFK-013-90	N
[redacted]							N	N	/ /		N
[redacted]							Y	N	/ /		N
[redacted]							Y	Y	/ /		N
[redacted]							Y	Y	/ /		N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N
[redacted]							N	N	/ /		N
[redacted]							Y	Y	/ /		N
[redacted]							Y	Y	/ /		N
[redacted]							Y	Y	/ /		N

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AVIATION DEPARTMENT

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[redacted]							N	N	/ /	JFK-002-89	N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							Y	N	/ /	JFK-020-90	N
							Y	N	/ /	JFK-024-90	N
							N	N	/ /		N
[redacted]							Y	Y	/ /		N
							N	N	/ /		N

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[redacted]							N	N	/ /	JFK-023-90	N
							Y	Y	/ /		N
							N	N	/ /		N
215.523		JFK - PAN AM TERMINAL B, OUTSIDE TRENCH	OGDEN ALLIED	A. KUMAS	/ /	IN PROGRESS.	Y	N	/ /	JFK-029-90	N
215.087		JFK - PAN AM, BUILDING # 53 EAST CUSTOMS AREA	DSI IND., ENV. DIV.	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
215.125		JFK - PAN AM, BUILDING # 53, CONCOURSE LEVEL REFUGEE LOUNGE	ADVATEX	B. KUCHYNSCAS	/ /	COMPLETED.	Y	N	/ /	JFK-026-90	N
[redacted]							Y	N	/ /		N
							Y	Y	/ /	JFK-009-89	N
							Y	Y	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /	JFK-019-90	N

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[redacted]							Y	N	/ /	JFK-019-90	N
							Y	Y	/ /		N
							N	N	/ /		N
							Y	N	/ /	JFK-008-89	N
							Y	N	/ /	JFK-021-90	N
							Y	N	/ /	JFK-008-89	N
							Y	Y	/ /		N
							Y	N	/ /	JFK-025-90	N
							Y	N	/ /	JFK-025-90	N
							Y	Y	/ /	JFK-003-89	N

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[redacted]							Y	Y	/ /	LGA-003-89	N
							Y	Y	04/01/90	LGA-003-89	N
							Y	Y	/ /		N
							Y	N	/ /	LGA-012-89	N
							Y	N	06/01/90	LGA-018-90	N
							Y	N	/ /	LGA-019-90	N
							Y	Y	04/01/90	LGA-013-89	N
							N	N	/ /		N
							Y	N	/ /	LGA-002-89	N
							Y	Y	/ /		N
							Y	Y	/ /	LGA-001A-89	N

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[redacted]							N	N	/ /		N
							Y	N	04/01/90	LGA-016-90	N
							N	N	/ /		N
							N	N	/ /		N
							Y	Y	/ /	LGA-013-89	N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							N	N	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /		N

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[redacted]							N	N	/ /		N
							Y	Y	/ /		N
							Y	Y	/ /	LGA-001-90	N
							Y	Y	/ /	LGA-004-89	N
							Y	Y	/ /	LGA-014-90	N
							Y	N	/ /	LGA-005-89	N
							N	Y	/ /		N
							Y	N	/ /	LGA-017-90	N
							Y	N	/ /	LGA-015-90	N

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AVIATION DEPARTMENT

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21 [redacted]											

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		II									
[redacted]											

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PORTS DEPARTMENT

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[redacted]											

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[redacted]							N	N	/ /		N

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[redacted]											

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[redacted]											

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[redacted]											

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RAIL DEPARTMENT

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[redacted]											

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TB&T DEPARTMENT

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[redacted]											

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TB&T DEPARTMENT

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[redacted]											

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TB&T DEPARTMENT

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[redacted]											

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[redacted]											

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[redacted]

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[redacted]											

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[redacted]											

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[redacted]											

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[redacted]											

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[redacted]											

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415 [redacted]											

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		AIR									
PS	[redacted]										

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[redacted]											

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4	[redacted]										
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PS											
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415	[redacted]										
415	[redacted]										
415	[redacted]										

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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[redacted]											

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

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							⊥	⊥			

[redacted]

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WORLD TRADE & ECONOMIC
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JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
[redacted]											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

B-U-C-K-S-L-I-P

To: Dick
From: Kelly
Date: August 6, 1990
Subject: Asbestos Abatement Status Report For The Period Ending August 3, 1990.

cc: Chris

Department	Avia.	Port	Rail	TB&T	WT/ED	Total
Planning	22	9	1	8	19	50
On Going						
PA	3	0	0	1	1	5
TAA	2	0	0	0	0	2
						57

ON GOING ABATEMENT

CNT	STATUS	DEPT	FACILITY	BUILDING	LOCATION	CONTRACTOR	JOB NUMBER	CONTRACT NUM	CONTRACT MONITOR
** DEPT. WT&ED									
* [redacted]									
* [redacted]									
1	ONGOING	AVIATION	JFK	BLDG 54	PAN AM TERMINAL B OUTSIDE TRENCH	OGDEN/DECONTAMINATION SRV	215.523	JFK 215.500	A. KUMAS
** Subtotal **									
5									
[redacted]									
** Subtotal **									
1									
*** Total ***									
7									

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215.524		[redacted]									
215.088											
215.510											
215.510											
215.081											
215.098											
215.082											
215.073											
215.513											
215.071		JFK - BLDG. # 53, PAN AM GATE 9, PASSENGER WAITING AREA	APED	K. GOSS	/ /	COMPLETED (Y6123A).	N	Y	/ /		N
215.118		[redacted]									
215.120											

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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AVIATION DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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		II									
215.102		[redacted]								JFK-018-CO	N
215.038											
215.514											
215.104											
215.128											
215.521											
215.117											
215.075											
215.038											
215.066											

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AVIATION DEPARTMENT

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215.065	[redacted]										
215.067											
215.038											
215.106											
215.507											
215.029											
215.035											
215.515											
215.517											
215.506											
215.049											
215.022											
215.059		JFK - BUILDING # 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	D. SAMUELS	/ /	COMPLETED.	Y	Y	/ /	JFK-010-90	N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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215.374	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	Y	N	/ /	JFK-013-90	N
215.119	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.522	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.047	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.047	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
NONE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.030	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.001	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.517	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.532	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.519	[redacted]	JFK - HANGAR 19, PAN AM BLOCKHOUSE, OFFICE AREAS	OGDEN ALLIED	M. RAMIREZ	/ /	CLEANUP COMPLETED.	N	N	/ /		N
NONE	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
215.535	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

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215.518		[redacted]									
215.109											
215.516											
215.035											
215.533											
215.110											
215.031											
215.122											
		PHASE II									
215.523		JFK - PAN AM TERMINAL B, OUTSIDE TRENCH	OGDEN ALLIED	A. KUMAS	/ /	IN PROGRESS.	Y	N	/ /	JFK-029-90	N
215.087		JFK - PAN AM, BUILDING # 53 EAST CUSTOMS AREA	DSI IND., ENV. DIV.	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
215.125		JFK - PAN AM, BUILDING # 53, CONCOURSE LEVEL REFUGEE LOUNGE	ADVATEX	B. KUCHYNSCAS	/ /	COMPLETED.	Y	N	/ /	JFK-026-90	N
215.115		JFK - PAN AMERICAN, BUILDING # 54, OUTBOUND CONVEYOR	DSI IND., ENV. DIV.	B. KUCHYNSKAS	/ /	ON HOLD.	Y	N	/ /		N

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215.068		JFK - PAN AMERICAN, HANGAR 19	PC & J/SEAGULL: II & III	B. KUCHYNKAS	/ /	COMPLETED (Y6122A).	Y	Y	/ /	JFK-009-89	N
215.987		JFK - PAN AMERICAN, LOUNGE	APED	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
215.062		JFK - PAN AMERICAN, ODD SIZE BAGGAGE AREA	APED	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
215.050		JFK - PAN AMERICAN, WORLD PORT EAST/WEST CONCOURSE	APED	K. GOSS	/ /	COMPLETED.	Y	Y	/ /		N
504.011	[redacted]										
505.011											
215.032											
215.511											
215.123											
215.509											
215.036											
215.121											
215.121											

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215.051	[redacted]										
NONE											
215.534											
215.533											
215.534											

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215.024	[redacted]										
215.024											
215.023											
215.069											
215.107											
215.124											
215.019											
215.011											
215.008											
215.014											
215.114											

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215.091	[redacted]				/ /	BID STAGE	N	N	/ /		N
215.019											
215.002											
215.111											
215.027											
215.025											
215.990											
215.026											
215.992											
215.989											
215.094											
215.090											
215.061											
215.078											

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215.980	[redacted]										
215.085											
215.070											

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215.113	[redacted]										
215.905	[redacted]										
215.906	[redacted]										
215.015	[redacted]										
EWR N-2299	[redacted]										
215.103	[redacted]										
215.040	[redacted]										
215.901	[redacted]										
215.086	[redacted]										
215.084	[redacted]										
215.084	[redacted]										

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215.116		[redacted]									
215.116											
215.087											
215.089											
215.084											
215.911											
415.503											
215.909											
215.909											

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							↓	↓			

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PORTS DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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[redacted]

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315.014		GREENVILLE YARD	CERTIFIED ABATEMENT	U. MEHTA	/ /	COMPLETED.	N	N	/ /		N

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315.011	[redacted]										
315.500											
315.500											
315.500											
EP.148											
315.500											
EP.148											
315.500											
315.500											
PSE.500											
315.500											
315.500											
315.500											

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315.500	[redacted]										
315.500											
315.500											
315.500											
315.500											
315.500											
315.503											
PSE.500											
315.500											
315.500											
315.500											
PSE.500											
315.500											
315.522											
315.045											
315.500											

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315.500	[redacted]										
315.500											
315.500											
315.002											
315.500											
315.000											
315.517											
315.516											
315.516											
315.518											
315.518											
315.518											
315.518											
315.500											

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315.500		[redacted]	CERTIFIED ABATEMENT	D. BUONOCORE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
PSE.500			QAR	U. MEHTA	/ /	CLEANUP COMPLETED.	N	N	/ /		N
PSE.500			QAR	K. CHEN	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.500			CERTIFIED ABATEMENT	J. LUTZ	/ /	PLANNING STAGE.	N	N	/ /		N
315.500			CERTIFIED ABATEMENT	J. LUTZ	/ /	PLANNING STAGE.	N	N	/ /		N
315.500			QAR	D. MARINO	/ /	COMPLETED (ENCLOSURE OF ASBESTOS).	N	N	/ /		N
315.515			CERTIFIED ABATEMENT	D. MARINO	/ /	COMPLETED.	N	N	/ /		N
PSE.500			QAR	D. MARINO	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.500			CERTIFIED ABATEMENT	J. LUTZ	/ /	PLANNING STAGE.	N	N	/ /		N
PSE.500			QAR	A. PESSOA	/ /	CLEANUP COMPLETED.	N	N	/ /		N
EP.148			STRATFORD	R. LIGHTHISER	/ /	COMPLETED.	Y	N	/ /	PN-012-90	N
315.508			CERTIFIED ABATEMENT		/ /	COMPLETED.	N	N	/ /		N
315.500			CERTIFIED ABATEMENT	D. MILLER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.519			CERTIFIED ABATEMENT	S. RAMI	/ /	COMPLETED (ENCLOSURE OF ASBESTOS).	N	N	/ /		N
100.375			QAR	J. LUTZ	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.303		[redacted]	QAR	MASON / PESSOA	/ /	COMPLETED.	N	N	/ /		N

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315.006		[redacted]	CERTIFIED ABATEMENT	K. CHEN	/ /	COMPLETED.	N	N	/ /		N
315.005			CERTIFIED ABATEMENT	K. CHEN	/ /	COMPLETED.	N	N	/ /		N
315.302			QAR	JAKUBEK / AGRO	/ /	COMPLETED.	N	N	/ /		N
315.302			QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.009			CERTIFIED ABATEMENT	D. MILLER	/ /	COMPLETED.	Y	N	/ /	PN-011-90	N
315.009			CERTIFIED ABATEMENT	D. MILLER	/ /	COMPLETED.	Y	N	/ /		N
315.500			CERTIFIED ABATEMENT	J. LUTZ	/ /	CLEANUP COMPLETED.	N	N	/ /	PN-016-90	N
315.500			CERTIFIED ABATEMENT	D. MILLER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.500			CERTIFIED ABATEMENT	D. BUONOCORE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.509			CERTIFIED ABATEMENT	D. MARINO	/ /	COMPLETED.	N	N	/ /	PN-001-89	N
315.510			CERTIFIED ABATEMENT	D. MILLER	/ /	COMPLETED.	Y	N	/ /	PN-010-90	N
315.504			CERTIFIED ABATEMENT	H. McLOUGHIN	/ /	COMPLETED.	N	N	/ /		N

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315.507	[redacted]	[redacted]	CERTIFIED ABATEMENT	UNASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N
PSE.500	[redacted]	[redacted]	QAR	U. MEHTA	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.521	[redacted]	[redacted]	CERTIFIED ABATEMENT	D. MARINO	/ /	CLEANUP COMPLETED (PHASES 1, 2, & 3).	N	N	/ /	PN-003-89	N
315.520	[redacted]	[redacted]	CERTIFIED ABATEMENT	D. MILLER	/ /	COMPLETED.	N	N	/ /	PN-015-90	N
315.520	[redacted]	[redacted]	CERTIFIED ABATEMENT	D. MILLER	/ /	COMPLETED.	Y	N	/ /	PN-014-90	N
315.505	[redacted]	[redacted]	CERTIFIED ABATEMENT	M. DENISEN	/ /	COMPLETED.	N	N	/ /		N
315.516	[redacted]	[redacted]	CERTIFIED ABATEMENT	J. LUTZ	/ /	COMPLETED.	N	N	/ /		N
315.500	[redacted]	[redacted]	CERTIFIED ABATEMENT	D. MILLER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
315.500	[redacted]	[redacted]	CERTIFIED ABATEMENT	R. BYRD	/ /	COMPLETED.	Y	N	/ /		N
315.524	[redacted]	[redacted]	CERTIFIED ABATEMENT	NOT ASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N
315.523	[redacted]	[redacted]	CERTIFIED ABATEMENT	NOT ASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N
	[redacted]	[redacted]	CERTIFIED ABATEMENT	NOT ASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N
315.526	[redacted]	[redacted]	CERTIFIED ABATEMENT	NOT ASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N
315.511	[redacted]	[redacted]	CERTIFIED ABATEMENT	NOT ASSIGNED	/ /	PLANNING STAGE.	N	N	/ /		N

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PSE.500		[redacted]		R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500				R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
87-41				C. PERRIN	/ /	CLEANUP COMPLETED.	N	Y	/ /	NONE.	N
315.304				M. WUN	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
				R. BYRD	/ /	PLANNING STAGE.	N	N	/ /		N
87-40				C. PERRIN	/ /	CLEANUP COMPLETED.	N	Y	/ /	NONE.	N
315.700				M. CASTANZA	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500				R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
315.702				S. RAMI	/ /	COMPLETED.	N	N	/ /	NONE.	N
315.701				J. HASSED	/ /	COMPLETED.	N	N	/ /	NONE.	N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

PORTS DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/03/90

RAIL DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
515.015		[redacted]	D & S	R. HEADRICK	/ /	COMPLETED.	Y	N	/ /	PATH-006-90	N
515.006			CERTIFIED ABATEMENT	R. HEADRICK	/ /	COMPLETED.	N	N	/ /	PATH-003-89	N
150.140			CERTIFIED ABATEMENT	HEADRICK/MURAWS	/ /	COMPLETED (6/9/90).	Y	N	/ /	PATH-007-90	N
515.504			CERTIFIED ABATEMENT	M. MURAWSKI	/ /	COMPLETED.	N	N	/ /	PATH-001-89	N
			CERTIFIED ABATEMENT		/ /	PLANNING STAGE.	N	N	/ /		N
515.008			CERTIFIED ABATEMENT	T. FONTANETTA	/ /	COMPLETED.	N	N	/ /		N
515.505			CERTIFIED ABATEMENT	MURAWSKI & WUN	/ /	COMPLETED (6/13/90).	Y	N	/ /	PATH-005-90	N
515.012			CERTIFIED ABATEMENT	R. LESTON	/ /	COMPLETED.	N	N	/ /		N
515.512			CERTIFIED ABATEMENT	HEADRICK/MURAWS	/ /	COMPLETED 4/18/90.	Y	N	/ /	PATH-004-90	N

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* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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08/03/90

RAIL DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USI NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.724		[redacted]		M. WUN	/ /	COMPLETED.	Y	N	/ /	BB-001-90	N
115.022				D. EITING	/ /	COMPLETED.	N	N	/ /		N

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* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USE NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.710		[redacted]	CERTIFIED ABATEMENT	B.WAHL/D.KOVALE	/ /	COMPLETED.	N	N	/ /	GB-001-89	N
PSE.500		[redacted]	QUALITY ASBESTOS	R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
415.041		[redacted]	ACS	D. KOVALEVICH	/ /	ON HOLD.	N	N	/ /		N

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* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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T&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD ASI	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.504		[redacted]		D. KOVALEVICH	/ /	COMPLETED.	N	N	/ /	GWB-001-89	N
415.507				E. STANKE	/ /	COMPLETED.	N	N	/ /	GWB-002-89	N
415.506				D. KOVALEVICH	/ /	ON HOLD.	Y	N	/ /		N
415.301				D. KOVALEVICH	/ /	COMPLETED.	Y	Y	/ /		N
415.523				M. MURAWSKI	/ /	PLANNING STAGE.	Y	N	/ /		N
415.303				R. HEADRICK	/ /	CLEANUP COMPLETED.	N	N	/ /		N
415.704				M. MURAWSKI	/ /	ON HOLD.	Y	N	/ /		N
415.701				J. HASSED	/ /	COMPLETED.	N	N	/ /		N
415.713				M. MURAWSKI	/ /	ON HOLD.	N	N	/ /		N
415.703				J. HASSED	/ /	COMPLETED.	Y	N	/ /		N
415.702				J. HASSED	/ /	COMPLETED.	N	N	/ /		N
415.714				R. HEADRICK	/ /	ON HOLD.	N	N	/ /		N
415.738				D. KOVALEVICH	/ /	COMPLETED.	Y	N	/ /	GWBS-001A-90	N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

08/03/90

TR&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.738		[redacted]	ASBESTOS CONTROL	D. KOVALEVICH	/ /	COMPLETED.	Y	N	/ /	GWBS-001C-90	N
415.738		[redacted]	ASBESTOS CONTROL	D. KOVALEVICH	/ /	COMPLETED.	Y	N	/ /	GWBS-001B-90	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION *	WASTE DOCUMENT RETURNED *	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.513		[redacted]	CERTIFIED ABATEMENT	D. KOVALEVICH	/ /	CLEANUP COMPLETED.	N	N	/ /	HT-001-89	N
415.035		[redacted]	CERTIFIED ABATEMENT	R. BYRD	/ /	COMPLETED.	Y	N	06/29/90	HT-006-90	N
415.505		[redacted]	CERTIFIED ABATEMENT	R. BYRD	/ /	COMPLETED.	Y	N	07/13/90	HT-005-90	N
415.514		[redacted]	CERTIFIED ABATEMENT	MURAWSK/HEADRIC	/ /	COMPLETED.	N	N	/ /	HT-002-89	N
PSE.500		[redacted]	QAR	D. KOVALEVICH	/ /	CLEANUP COMPLETED.	N	N	/ /		N
415.516		[redacted]	CERTIFIED ABATEMENT	R. HEADRICK	/ /	CLEANUP COMPLETED.	Y	N	/ /	NONE.	N
415.520		[redacted]	CERTIFIED ABATEMENT	R. HEADRICK	/ /	PLANNING STAGE (AWAITING REVISED SUBMITTALS FROM CERTIFIED SINCE MARCH 23, 1990).	N	N	/ /		N
415.027		[redacted]	CERTIFIED ABATEMENT	R. HEADRICK	/ /	COMPLETED.	Y	N	/ /	HT-004-90	N
415.031		[redacted]	SAFEWAY	H. McCLOUGHIN	/ /	COMPLETED.	N	N	/ /		N
415.706		[redacted]	ASBESTOS CONTROL	D. MURRAY	/ /	IN PROGRESS.STARTED TUE.6/26/90(T&M)	Y	N	/ /	HT-007-90	N

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

TEAT DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.706		[redacted]	ASBESTOS CONTROL	D. KOVALEVICH	/ /	CLEANUP COMPLETED.	Y	N	/ /		N
415.705		[redacted]	ACMAT	J. HASSED	/ /	CLEANUP COMPLETED.	Y	N	/ /		N
415.705		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	Y	N	/ /		N
415.742		[redacted]	ASBESTOS CONTROL		/ /	ON HOLD, TO BE WORKED IN CONJUNCTION WITH 415.705	N	N	/ /		N
415.020		[redacted]	CERTIFIED ABATEMENT	R. HEADRICK	/ /	PLANNING STAGE.	N	N	/ /		N
415.521		[redacted]	CERTIFIED ABATEMENT	R. HEADRICK	/ /	CLEANUP COMPLETED.	Y	N	/ /	NONE.	N

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* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.008		[redacted]	CERTIFIED ABATEMENT	D. PATEL	/ /	COMPLETED.	N	N	/ /	NONE.	N
PSE.500			QAR	R. MCKENZIE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
415.517			CERTIFIED ABATEMENT	M. MURAWSKI	/ /	PLANNING STAGE.	N	N	/ /		N
415.502			CERTIFIED ABATEMENT	K. CHEN	/ /	COMPLETED.	Y	N	/ /	NONE.	N
PSE.500			QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
415.510			CERTIFIED ABATEMENT	M. MURAWSKI	/ /	COMPLETED.	Y	N	/ /	LT-001-89	N
415.518			CERTIFIED ABATEMENT	M. MURAWSKI	/ /	PLANNING STAGE.	N	N	/ /		N
415.013			CERTIFIED ABATEMENT	D. KOVALEVICH	/ /	COMPLETED.	Y	N	/ /	NONE.	N
110.051			QAR (AS SUBCONTRACTOR)	A. PESSOA	/ /	COMPLETED.	Y	Y	/ /	LT-004-90	N
415.736			ASBESTOS CONTROL	M. RASBURY	/ /	COMPLETED.	Y	N	/ /	LT-005-90	N
415.737			ASBESTOS CONTROL	M. MURAWSKI	/ /	COMPLETED.	Y	N	/ /	LT-003-90	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

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415.718		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	PLANNING STAGE.	N	N	/ /		N
415.739		[redacted]	ASBESTOS CONTROL	M. MUROWSKI	/ /	COMPLETED.	Y	N	/ /	LT-006-90	N
415.014		[redacted]	ACMAT	D. EITING	/ /	COMPLETED.	N	N	/ /	NONE.	N
415.014		[redacted]	ACMAT	D. EITING	/ /	COMPLETED.	N	N	/ /	NONE.	N
415.014		[redacted]	ACMAT	D. EITING	/ /	COMPLETED.	N	N	/ /	NONE.	N
415.014		[redacted]	ACMAT	D. EITING	/ /	COMPLETED.	N	N	/ /	NONE.	N
100.376		[redacted]	OWNERS REALTY	D. PATEL	/ /	COMPLETED.	N	N	/ /	NONE.	N
415.511		[redacted]	CERTIFIED ABATEMENT	M. MURAWSKI	/ /	COMPLETED.	Y	N	/ /	LT-002-90	N
415.512		[redacted]	CERTIFIED ABATEMENT	M. MURAWSKI	/ /	PLANNING STAGE.	N	N	/ /		N

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I&T DEPARTMENT

ASBESTOS MANAGEMENT ;IANCE DIVISION
ABATEMENT ACTIVITIE' 'ORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.040		[redacted]	ADVATEX	U. MEHTA	/ /	COMPLETED.	N	N	/ /		N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.026		[redacted]		R. LIGHTHISER	/ /	ON HOLD.	N	N	/ /		N
415.524		[redacted]	CERTIFIED ABATEMENT	M. WUN	/ /	PLANNING STAGE.	Y	N	/ /		N
415.023		[redacted]	QAR	R. LESTON	/ /	COMPLETED.	N	N	/ /		N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
415.721		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	N	/ /	PABT-004-89	N
415.723		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	N	/ /	PABT-006-90	N
415.735		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	CLEANUP COMPLETED.	N	Y	/ /	NONE.	N
415.719		[redacted]	ENVIRO SAFE	R. McKENZIE	/ /	COMPLETED.	Y	N	/ /	PABT-001-89	N
415.734		[redacted]	ASBESTOS CONTROL	D. KOVALEVICH	/ /	CLEANUP COMPLETED.	N	Y	/ /	NONE.	N
415.732		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	N	/ /	PABT-008-90	N
415.997		[redacted]	ABIELE (G.C.)	T. SOLOMON	/ /	COMPLETED (PART OF B-3 LEVEL RENOVATION PROJECT).	N	N	/ /	NONE.	N
415.039		[redacted]	BADE RICHARDSON	R. LIGHTHISER	/ /	COMPLETED.	Y	N	/ /	NONE.	N
415.042		[redacted]	ASBESTOS CONTROL	HEADRICK/KEEHN	/ /	COMPLETED.	Y	N	/ /	PABT-009-90	N
415.720		[redacted]	ASBESTOS CONTROL	M. WUN	06/20/90	COMPLETED.	N	N	/ /		N
PSE.500		[redacted]	QAR	R. McKENZIE	/ /	CLEANUP COMPLETED (PABT-QAR-15).	N	N	/ /	NONE.	N
415.720		[redacted]	ASBESTOS CONTROL	M. MURAWSKI	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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		AIR									
PSE.500		[redacted]	QAR	D. PATEL	/ /	CLEANUP COMPLETED (PABT-QAR-3).	N	N	/ /	NONE.	N
415.987		[redacted]	ENVIRO SAFE	D. PATEL	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	D. PATEL	/ /	CLEANUP COMPLETED (PABT-QAR-1).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-8).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-9).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	D. PATEL	/ /	CLEANUP COMPLETED (PABT-QAR-7).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	N. BALDWIN	/ /	CLEANUP COMPLETED (PABT-QAR-11).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-10).	N	N	/ /	NONE.	N
415.994		[redacted]	OWNERS REALTY		/ /	ABATED WITHOUT NOTIFICATION OR APPROVAL FROM AM&CD.	N	N	/ /	NONE.	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-6).	N	N	/ /	NONE.	N
415.720		[redacted]	ASBESTOS CONTROL	R. HEADRICK	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-13).	N	N	/ /	NONE.	N
415.009		[redacted]	BADE RICHARDSON	R. LIGHTHISER	/ /	COMPLETED.	Y	N	/ /	NONE.	N
415.042		[redacted]	ENVIRO SAFE	D. PATEL	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	D. PATEL	/ /	CLEANUP COMPLETED (PABT-QAR-5).	N	N	/ /	NONE.	N
415.733		[redacted]	ASBESTOS CONTROL	R. McKENZIE	/ /	CLEANUP COMPLETED.	N	Y	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. McKENZIE	/ /	CLEANUP COMPLETED (PABT-QAR-14).	N	N	/ /	NONE.	N
415.018		[redacted]	OWNERS REALTY	R. BYRD	/ /	ABATED WITHOUT NOTIFICATION OR APPROVAL FROM AM&CD.	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-2).	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. MCKENZIE	/ /	CLEANUP COMPLETED (PABT-QAR-16).	N	N	/ /	NONE.	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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415.740		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-4).	N	N	/ /	NONE.	N
415.010		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
415.741		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
415.997		[redacted]	HRF ENVIRONMENTAL	D. PATEL	/ /	COMPLETED (PART OF LARGER ABATEMENT JOB: B-3 LEVEL RENOVATION).	Y	N	/ /	NONE.	N
415.012		[redacted]	NELSON ABATEMENT	R. LIGHTHISER	/ /	COMPLETED (VERBAL CONFIRMATION OF DISPOSAL WITH LANDFILL WAS MADE).	Y	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-17).	N	N	/ /	NONE.	N
415.986		[redacted]	ENVIRO SAFE	R. LIGHTHISER	/ /	CLEANUP COMPLETED.	N	N	/ /	NONE.	N
PSE.500		[redacted]	QAR	R. LIGHTHISER	/ /	CLEANUP COMPLETED (PABT-QAR-12).	N	N	/ /	NONE.	N
415.038		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	N	/ /	PABT-005-90	N
415.708		[redacted]	ASBESTOS CONTROL	D. KOVALEVICH	/ /	COMPLETED.	Y	N	/ /	PABT-002-89	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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415.709		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	N	/ /	PABT-007-90	N
415.720		[redacted]	ASBESTOS CONTROL	M. WUN	06/28/90	COMPLETED.	N	N	/ /		N
415.730		[redacted]	ASBESTOS CONTROL	R. BYRD	/ /	COMPLETED.	Y	Y	/ /	PABT-003-89	N

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TB&T DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION ↓	WASTE DOCUMENT RETURNED ↓	DATE COMPLETED	AM&CD PLACARD #	BUDGETED

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

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115.242		[redacted]	ASBESTOS CONTROL	R.SMITH/W.RYAN	/ /	COMPLETED.	Y	Y	/ /		N
115.241		[redacted]	ASBESTOS CONTROL	J. KUSHNER	/ /	COMPLETED (SPOT REMOVAL).	N	Y	/ /	WTC-004-89	N
115.703		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /	WTC-017-90	N
115.704		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	COMPLETED.	Y	Y	/ /		N
115.705		[redacted]	ASBESTOS CONTROL		/ /	ON HOLD.	N	N	/ /		N
115.707		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.708		[redacted]	ASBESTOS CONTROL	G. PERROTTO	/ /	CLEANUP COMPLETED.	N	Y	/ /	WTC-003-89	N
115.710		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	COMPLETED.	N	Y	/ /		N
115.710		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	COMPLETED.	Y	Y	/ /		N
115.711		[redacted]	ASBESTOS CONTROL	M. KEEHAN	/ /	COMPLETED.	N	N	/ /		N
115.241		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	COMPLETED.	Y	Y	/ /	WTC-006-89	N

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115.709		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.721		[redacted]	ASBESTOS CONTROL	S. GONZALEZ	/ /	COMPLETED.	Y	Y	/ /	WTC-001-89	N
115.721		[redacted]	ASBESTOS CONTROL	S. GONZALEZ	/ /	COMPLETED.	Y	Y	/ /	WTC-001-89	N
115.714		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	COMPLETED.	Y	Y	/ /		N
115.714		[redacted]	ASBESTOS CONTROL	SMITH / SKINNER	/ /	COMPLETED.	N	N	/ /		N
115.721		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /	WTC-015-90	N
115.722		[redacted]	ASBESTOS CONTROL	K. CHEN	/ /	COMPLETED.	Y	Y	/ /	WTC-007-90	N
115.722		[redacted]	ASBESTOS CONTROL	K. CHEN	/ /	COMPLETED.	Y	Y	/ /	WTC-007-90	N
115.733		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.734		[redacted]	ASBESTOS CONTROL		/ /	JOB CANCELLED.	N	N	/ /	NONE.	N

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115.723		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	CLEANUP COMPLETED.	N	Y	/ /	WTC-005-89	N
115.731		[redacted]	ASBESTOS CONTROL		/ /	COMPLETED (BY O & M).	N	N	/ /	CANCELED	N
115.730		[redacted]	ASBESTOS CONTROL	G. MASON	/ /	ON HOLD.	N	N	/ /	WTC-009-90	N
115.732		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	COMPLETED.	Y	Y	/ /	WTC-010-90	N
115.732		[redacted]	ASBESTOS CONTROL	CHEN / DENISEN	/ /	COMPLETED.	Y	N	/ /	WTC-012-90	N
115.728		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	CLEANUP COMPLETED.	N	Y	/ /	WTC-014-90	N
115.224		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.736		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.717		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.704		[redacted]	ASBESTOS CONTROL	F. MILTEER	/ /	COMPLETED.	Y	Y	/ /	WTC-021-90	N
115.224		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	CLEANUP COMPLETED.	N	Y	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	M. DENISEN	/ /	CLEANUP COMPLETED.	N	N	/ /		N

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

JOB NUMBER	CONTRACT / P.O. NUMBER	FACILITY	CONTRACTOR	AM&CD AST	START DATE	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT RETURNED	DATE COMPLETED	AM&CD PLACARD #	BUDGETED
		3111					↓	↓			
115.224		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	K. CHEN	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	K. CHEN	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	COMPLETED.	N	N	/ /		N
115.250		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.238		[redacted]	ASBESTOS CONTROL	W.RYAN/J.SKINER	/ /	COMPLETED.	Y	Y	/ /		N
115.253		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N

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115.719		1 WTC - 25TH THRU 30TH FLOORS, SOUTH ELECTRICAL CLOSETS	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.252		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	K. CHEN	/ /	COMPLETED.	N	N	/ /		N
115.245		[redacted]	ASBESTOS CONTROL	CLARK/BABATUNDE	/ /	IN PROGRESS.	Y	N	/ /	WTC-016-90	N
115.246		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.244		[redacted]	ASBESTOS CONTROL	CHEN / MASON	/ /	COMPLETED.	Y	Y	/ /	WTC-011-90	N
115.235		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	COMPLETED.	Y	Y	/ /		N
115.236		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	COMPLETED.	Y	Y	/ /		N
115.251		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.726		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.727		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.240		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	COMPLETED.	Y	Y	/ /	WTC-002-89	N
115.240		[redacted]	ASBESTOS CONTROL	J. SKINNER	/ /	COMPLETED.	Y	Y	/ /	WTC-002-89	N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	COMPLETED.	N	N	/ /		N

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		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	F. MILTEER	/ /	COMPLETED.	N	N	/ /		N
115.250		[redacted]	ASBESTOS CONTROL		/ /	PLANNING STAGE.	N	N	/ /		N

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115.239		[redacted]	ASBESTOS CONTROL	U. MEHTA	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.702		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.712		[redacted]	ASBESTOS CONTROL	S. GONZALEZ	/ /	COMPLETED.	Y	Y	/ /		N
115.711		[redacted]	ASBESTOS CONTROL	M. KEEHAN	/ /	COMPLETED.	N	N	/ /		N
115.735		[redacted]	ASBESTOS CONTROL		/ /	JOB CANCELED.	N	N	/ /	NONE.	N
115.224		[redacted]	ASBESTOS CONTROL	R. SMITH	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.224		[redacted]	ASBESTOS CONTROL	Y. BABATUNDE	/ /	CLEANUP COMPLETED.	N	N	/ /		N
115.249		[redacted]	ADVATEX		/ /	PLANNING STAGE.	N	N	/ /		N

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WORLD TRADE & ECONOMIC DEVELOPMENT DEPARTMENT

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
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515.502		HOBOKEN - IMMIGRATION PULLMAN BUILDING	CERTIFIED ABATEMENT	D. EITING	/ /	COMPLETED.	N	N	/ /		N
115.231		[redacted]	CERTIFIED ABATEMENT	S. RANI	/ /	COMPLETED.	Y	N	/ /		N
115.263		[redacted]	ASBESRITE	ABRAMS / LUTZ	/ /	COMPLETED.	Y	N	/ /	HP-002-90	N
115.263		[redacted]	JARCO	R. BYRD	/ /	COMPLETED.	Y	N	/ /	HP-001-90	N

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JUL 08 1987

THE PORT AUTHORITY OF NEW YORK AND NEW JERSEY

To ~~KA~~ JFK

M E M O R A N D U M

TO: Pantelis D. Mourges, Manager, Plant and Structures Division, JFKIA
FROM: Harry R. Pool, Jr.
DATE: July 7, 1987
SUBJECT: ASBESTOS BULK SAMPLE ANALYSIS - PAN AM BUILDING-53 JOB A3-100-509 AND 150TH STREET SUMP-JFKIA

COPY TO: N. Budeiri, J. Darcy, R. Fagin, M.D., J. Gallagher, S. Samperi

Analysis of bulk asbestos samples from the subject areas revealed the following:

Sample labled KIA-#1-KIA "Pam Am Building #53 Job A3-100-509-9-10 EM Beam col 9-10 E". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate, gypsum and fibrous glass.

Sample labled KIA #2 - "Pan Am/53". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate gypsum and fibrous glass.

Sample labled KIA#3 "Pan Am/Building 53". Sample consisted of chrysotile asbestos fibers (15%) mica, calcium carbonate, gypsum and fibrous glass.

Sample labled [redacted]. Sample consisted of amosite asbestos fibers (20%) and gypsum.

Sample labled [redacted]. Sample consisted of chrysotile (50%) amosite (20%) asbestos fibers, opaques, calcium carbonate and gypsum.

Therefore all product samples analyzed are considered to be asbestos containing materials (ACM).

If you have any questions, call me at PATHside (201) 963-7476.

Harry Pool

Harry R. Pool, Jr., Supervisor
Environmental Programs
Inspection and Safety Division

AEK/sw

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

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AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	[redacted]					RENOVATION - ALTERATION OF SPACE TO ACCOMODATE NEW RETAIL SHOP
1						RENOVATION OF SPACE FOR NEW RETAIL SHOP
1						RENOVATION
1						RENOVATION
1						RENOVATION
1						RENOVATION
1						RENOVATION OF GATE AREA
1						RENOVATION OF SUPPLEMENTAL AIR CONDITIONING SYSTEM
1						REPAIR
1						RENOVATION
1						RENOVATION
1						RENOVATION
1	[redacted]					RENOVATION
1						RENOVATION
1						RENOVATION
1						RENOVATION

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AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	[redacted]					RENOVATION
1	JFK-054		VAT/TRANSITE/FP /PIPING/PIPE ELBOWS	Y-6565A 215.273	07/12/93	RENOVATION
1	JFK-054		FP	Y-6565.06A 215.434	12/01/94	RENOVATION
1	JFK-054	264SF	FP	Y-6757A 215.438	03/15/95	RENOVATION
1	JFK-054	440SF	FP	Y-6565.03A 215.439	02/27/95	RENOVATION
1	JFK-055		VAT/PIPE/FITTIN GS/DUCT/AP	Y-6160A 215.079	10/01/89	**RENOVATION

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AP=ACOUSTICAL PLASTER
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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-055	2900LF/3620/27400/16400SF/8700SF/16240SF/1500/105000	PIPE INSULATION/PIPE FITTINGS/FP/TRANSITE/VAT/AP/FIREBLANKET/ROOFING	Y-6666 215.287	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	300LF/800#/47000SF/16240SF	PIPE INSULATON/ PIPE FITTINGS/ VAT/ AP	Y-6666A 215.287A	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	600LF/1400/21000SF/400SF/900SF/1800SF/1500SF	PIPE INSULATION/ FITTINGS/ DUCT INSULATION/ FP/ TRANSITE/ VAT/ FIREBLANKET	Y-6666B 215.287B	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	27000SF/150LF/8000SF/1000SF/70#/45000SF	FP/PIPE INSULATION/TRANSITE/ VAT/ PIPE FITTING/ ROOF	Y-6666E 215.287E	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	25SF/9800SF	AP/CLEANUP	EXD-100.374 215.301	01/04/90	EMERGENCY CONDITION
1	JFK-055	2000SF	AP	EXD-100.374 215.304	03/07/90	EMERGENCY CONDITION
1	JFK-055	450SF	AP	JFK-215.590 215.367	03/08/94	IRC - 100 SF OF AP FELL FROM A CANOPY DUE TO A WATER LEAK IN THE ROOF; 400-500SF OF AP REMAINED SATURATED AND NEEDS TO BE REMOVED AS WELL
1	JFK-056,057		AP	Y-6480B 215.248	02/25/93	RENOVATION
1	JFK-056,057		FP	Y-6480C 215.249	01/20/93	RENOVATION
1	JFK-057		FP/F-TILE	Y-5941B 215.018	08/11/88	RENOVATION AND ALTERATION OF TENANT SPACE.
1	JFK-057		FP	Y-6088A 215.058	04/12/89	RENOVATION
1	JFK-057		FP/CLEANUP	Y-5964A 215.073	07/24/89	RENOVATION

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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-057		FP	Y-6060B 215.080	09/25/89	RENOVATION
1	JFK-057		PIPE/FP	Y-6060C 215.081	10/16/89	RENOVATION
1	JFK-057		VAT/PIPE ELBOWS/FP	Y-6060D 215.082	01/15/90	RENOVATION/DEMOLITION
1	JFK-057		PIPE ELBOWS/FP/TRANS ITE	Y-6060E 215.102	03/01/90	DEMOLITION/RENOVATION
1	JFK-057		FP	Y-6060F 215.118	06/04/90	RENOVATION
1	JFK-057		FP	Y-6060I 215.120	06/04/90	RENOVATION
1	JFK-057		FP	G-6060J 215.128	07/01/90	RENOVATION
1	JFK-057		FP	Y-6060K 215.129	08/01/90	RENOVATION
1	JFK-057		FP	Y-6060L 215.130	08/03/90	RENOVATION
1	JFK-057		FP	Y-6060M 215.133	08/15/90	RENOVATION
1	JFK-057		FP	Y-6337A 215.164	03/01/91	RENOVATION
1	JFK-057		AP	Y-6060N 215.168	04/29/91	RENOVATION
1	JFK-057		FP	Y-6060P 215.169	06/03/91	RENOVATION
1	JFK-057		FP	Y-6422A 215.178	09/16/91	RENOVATION
1	JFK-057		ELBOWS/FP	Y-6465A 215.197	04/02/92	RENOVATION
1	JFK-057		AP	Y-6480F 215.289	12/06/93	RENOVATION

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AP=ACOUSTICAL PLASTER
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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-057		FP	Y-6480.07A 215.414	07/15/94	RENOVATION
1	JFK-057	2703SF	FP	Y-6480.07B 215.417	09/01/94	RENOVATION
1	JFK-057		FP	Y-6480.07C 215.443	03/20/95	RENOVATION
1	JFK-057	3840SF	FP	JFK-215.550 215.551	06/14/90	STRUCTUAL INTEGRITY INSPECTIONS
1	JFK-057		FP	Y-5823 215.967	05/04/87	RENOVATION
1	JFK-058-HANG AR-08	48SF-ABATED/720 SF CLEANED/192SF CLEANED	AP	JFK-215.500 215.509	12/01/89	O&M PREPARATION FOR INTEGRITY INSPECTION
1	JFK-060	8SF	AP	Y-6299 215.139	09/05/90	IRC CONDITION AS DETERMINED BY AMCD
1	JFK-060		AP	Y-6432B 215.407	07/01/94	RENOVATION
1	JFK-060-HANG AR-12		AP	Y-6632A 215.284	11/11/93	RENOVATION
1	JFK-067		FP	Y-6156A 215.089	11/17/89	** RENOVATION
1	JFK-067	7730SF	FP	Y-6529A 215.245	06/18/94	RENOVATION
1	JFK-067		FP/VAT	Y-6725A 215.427	02/05/95	RENOVATION
1	JFK-067		FP	JFK-215.550 215.557	07/23/90	** STRUCTUAL INTEGRITY INSPECTION
1	JFK-067		FP FALLOUT	JFK-215.550 215.564	10/11/91	** IRC
1	JFK-069		FP	Y-5855 215.988	09/25/87	RENOVATION - ENTIRE BLDG.
1	JFK-081	6480SF	AP	JFK-215.550 215.321	10/18/91	EMERGENCY CONDITION

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AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-081,082	16000SF/ 3208LF/ 458/ 155SF/ 5000SF/ 19400SF	FP/ PIPE/ FITTINGS/ BREECHING/ WALL PLASTER/ GALBESTOS	JFK-215.047 215.047	10/19/89	** DEMOLITION - ENTIRE BLDG. #81 & PART OF BLDG. #82
1	JFK-146	256SF	FP	JFK-215.550 215.554	07/23/90	STRUCTUAL INTEGRITY REPORT
1	JFK-178	256SF	FP/DEBRIS	JFK-215.500 215.514	04/08/90	O&M - PREPARATION FOR INTEGRITY INSPECTION
1	JFK-178	4,323SF (4TH FLOOR)/210SF (BASEMENT) TOTAL 4,533SF	FP	JFK-110.057 215.994	02/17/87	RENOVATION - ALTERATION OF SPACE FOR NEW TENANT
1	JFK-213	12368SF/9276SF/ 412LF	FP/DUCT INSULATION/PIPE INSULATION	Y-6517A 215.216	06/07/93	RENOVATION
1	JFK-213		FP	Y-6517B 215.272	05/12/93	RENOVATION
1	JFK-213	320SF	FP	JFK-215.550 215.555	07/23/90	STRUCTUAL INTEGRITY INSPECTION
1	JFK-IAB		WRAP & CLEAN-UP	JFK-215.550 215.599	05/09/94	
1	JFK-IAB-050		FP	Y-5901 215.009	03/28/88	RENOVATION - ALTERATION OF SPACE TO ACCOMODATE NEW RETAIL SHOPS
1	JFK-IAB-050	1755SF	AP	JFK-215.500 215.035	11/26/88	RENOVATION OF CUSTOMS HALL FOR NEW TENANT LOUNGE
1	JFK-IAB-050	8SF	AP	JFK-215.550 215.317	06/05/91	EMERGENCY CONDITION
1	JFK-IAB-050	10 CU YDS	FP - FALLOUT	JFK-215.500 215.516	11/16/89	IRC - DISPOSAL OF ACM FALLOUT 10 BAGS
1	JFK-IAB-050	18SF	AP	JFK-215.500 215.518	05/15/90	O&M
1	JFK-IAB-050	600SF	AP	JFK-215.500 215.535	09/13/90	RENOVATION - INSTALLATION OF SECURITY SYSTEM

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Date:08/13/96

AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-IAB-050		AP	JFK-215.500 215.536	10/16/90	EMERGENCY CONDITION
1	JFK-IAB-050	2,695SF	AP	EXD-100.367 215.991	08/01/87	RENOVATION - ALTERATION OF AREA FOR NEW TENANT OCCUPANCY
1	JFK-IAB-050, 051,052		PIPE INSULATION/WRAP	JFK-215.550 215.338	06/05/92	EMERGENCY CONDITION
1	JFK-IAB-050, 051,052		AP	JFK-215.590 215.369	05/13/94	EMERGENCY CONDITION
1	JFK-IAB-050, 051,052		AP/PIPE FITTINGS	JFK-215.550 215.573	02/24/92	RENOVATION
1	JFK-IAB-050, 052		AP	JFK-215.550 215.359	06/25/93	EMERGENCY CONDITION
1	JFK-IAB-051	2500SF	AP	Y-6169A 215.088	01/29/90	RENOVATION OF PUBLIC WAITING
1	JFK-IAB-051		AP	Y-6152A 215.109	03/19/90	RENOVATION
1	JFK-IAB-051		AP	Y-6153A 215.110	03/19/90	RENOVATION
1	JFK-IAB-051	2413SF	AP	Y-6286A 215.134	08/15/90	RENOVATION
1	JFK-IAB-051	40,000SF	AP	Y-6191A 215.142	10/15/90	RENOVATION
1	JFK-IAB-051		AP	Y-6191A 215.142	10/15/90	RENOVATION
1	JFK-IAB-051	APPROX. 8SF	AP	JFK-215.550 215.333	05/14/92	IRC - CLEAN UP PERFORMED DUE TO WATER DAMAGE
1	JFK-IAB-051	480SF	AP	Y-6717A 215.436	12/19/94	RENOVATION
1	JFK-IAB-051	2600SF	AP	JFK-215.500 215.533	08/07/90	RENOVATION - SHOP ALTERATIONS
1	JFK-IAB-051	750SF/20LF	AP	JFK-215.550 215.580	10/05/94	RENOVATION - EXPANSION OF RESTROOMS
1	JFK-IAB-051	730SF	AP	JFK-215.550 215.582	11/29/93	RENOVATION

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Date:08/13/96

AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-IAB-051	1800SF	AP	JFK-215.550 215.593	03/31/93	VENDING AREA TO BE DEMOLISHED
1	JFK-IAB-051	50SF	AP	JFK-215.690 215.678	11/23/95	INSTALLATION OF ALARM SYSTEM
1	JFK-IAB-051, 052	NO ACM REMOVED	AP	JFK-215.590 215.636	02/07/94	CLEANING AND PREPARING CEILING FOR PAINTING
1	JFK-IAB-051, 052	500SF	AP	JFK-215.590 215.653	10/27/94	REPAIR OF DAMAGED ACOUSTICAL PLASTER CEILINGS - INTERIM IMPROVEMENT PROGRAM
1	JFK-IAB-052	2000SF	AP	EXD-100.374 215.312	02/11/91	EMERGENCY CONDITION
1	JFK-IAB-052		AP	EXD-100.374 215.314	02/25/91	EMERGENCY CONDITION
1	JFK-IAB-052	66SF	AP	EXD-100.374 215.315	04/02/91	EMERGENCY CONDITION
1	JFK-IAB-052	2000SF	AP	EXD-100.374 215.316	05/16/91	EMERGENCY CONDITION
1	JFK-IAB-052		AP	JFK-215.550 215.357	06/21/93	EMERGENCY CONDITION
1	JFK-IAB-052	110SF	AP	JFK-215.590 215.373	01/10/95	IRC
1	JFK-IAB-052	150SF	AP	JFK-215.590 215.374	01/16/95	IRC
1	JFK-IAB-052	260SF	AP	JFK-215.500 215.534	08/07/90	RENOVATION - SHOP ALTERATIONS
1	JFK-IAB-052	640SF	AP	JFK-215.550 215.579	01/19/93	RENOVATION
1	JFK-IAB-052	1890SF/50LF	AP	JFK-215.550 215.581	07/01/92	RENOVATION
1	JFK-IAB-052	500SF	AP	JFK-215.550 215.589	03/31/93	RENOVATION
1	JFK-IAB-052	380SF	AP	JFK-215.550 215.592	11/08/93	RENOVATION

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Date:08/13/96
PAGE NUMBER 9

AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-IAB-052		AP	JFK-215.590 215.617	01/05/94	REPLACEMENT OF EXISTING SPRINKLER HEADS
1	JFK-VARIOUS BUILDINGS		AP	JFK-215.550 215.569	01/31/92	RENOVATION - INSTALLATION OF DOMETIC HOT WATER HEATERS
1	JFK-VARIOUS BUILDINGS		FP	JFK-215.550 215.622	07/19/93	COGEN PROJECT -MISC REMOVALS, REPAIRS, AND/OR CLEANUPS

Total
126

P 704304

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753024

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
[redacted]							
215.050	JFK - PAN AMERICAN WORLD PORT EAST/WEST CONCOURSE	APED, INC.	K. GOSS	COMPLETED.	N	N	
[redacted]							
215.059	JFK - BUILDING 53, PAN AMERICAN CANOPIES	BRIDGE TECH. / APED	B. KUCHYNSKAS	IN PROGRESS.	Y	N	JFK-010-90

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM II

03/09/90

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753025

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
215.062	JFK - PAN AMERICAN ODD SIZE BAGGAGE AREA	APED	K. GOSS	COMPLETED.	Y	N	
[redacted]							
215.068	JFK - PAN AMERICAN HANGAR 19	PC & J	K. GOSS	IN PROGRESS.	Y	N	JFK-009-89
215.071	JFK - PAN AMERICAN GATE 9	APED	K. GOSS	COMPLETED.	N	N	
[redacted]							

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753026

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
[redacted]							
[redacted]				PLANNING STAGE.	N	N	
215.987	JFK - PAN AMERICAN LOUNGE	APED	K. GOSS	COMPLETED.	N	N	

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

OEPM 11

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
[redacted]							[redacted]
							[redacted]

[redacted]

OEPM 11

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

03/09/90

ASBESTOS MANAGEMENT & COMPLIANCE DIVISION
ABATEMENT ACTIVITIES MONITORING REPORT

P 753028

SORTED BY

JOB NUMBER	FACILITY	CONTRACTOR	AM&CD AST	REMARKS	USEPA NOTIFICATION	WASTE DOCUMENT	AM&CD PLACARD #
[redacted]							
							[redacted]

OEPM 11

* NOTE: CLEANUPS DO NOT REQUIRE EPA NOTIFICATION OR PLACARD PERMITS.

Need Complete files by April 20, 1990

JFK - AIR = NO

ASBESTOS ABATEMENT JOB CLOSURE STATUS

CT	COST RECOVERY NUMBER	FACILITY BUILDING	AREA	CONTRACT NUMBER	STATUS OF WORK AS REPORTED 1/26/90	STATUS OF WORK AS REPORTED 2/28/90	EPA (2)	WASTE MANI-FEST (J)	BULK SAM. (B)	DWGS OR PLAN (E)	REM. W/O STRIP (F)	PROC OR SPEC (G)	FINAL AIR TESTS (K)	ANY AIR TESTS (K)	LOGS (M)	CHUTES AT 50' ELEV (N)	COMM WITH GOVT (2)	PERMITS OR APPROVALS (3)	PA PERMIT	COMMENT
1		JFK		Y-5808	COMPLETE	COMPLETE	NO	NO	YES	YES	NO	YES	NO	NO	NO	NO	NO	NO		
1		JFK		Y-5906A	COMPLETE	COMPLETE	YES	YES	YES	YES	NO	YES	NO	NO	NO	NO	NO	YES		
1	215.022	JFK 53	CONCOURSE LEVEL, PAN-AM WORLD PORT-HUDSONS' SHOP	Y-5980	COMPLETE	COMPLETE	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	
1	215.048	JFK BLDG 53	PAN AM WORLDPORT	Y-6062A	COMPLETE	COMPLETE	YES	YES	NO	YES	NO	YES	NO	NO	NO	NO	YES	YES		
[redacted]																				
1	215.050	JFK BLDG 53	PAN AM WORLD PORT SPECIAL SERVICE AREA	Y-6061A	COMPLETE	COMPLETE	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO	YES	YES		ADEQUATE ?
[redacted]																				
1	215.052	JFK BLDG 53	PAN AM WORLD PORT- AREA D BAGGAGE AND SERVICES ADMIN, BAGGAGE SERVICE OFFICE AND BATHROOMS	Y-6074A	COMPLETE	COMPLETE	SML	YES	YES	YES	YES	YES	NO	NO	NO	NO	NO	NO		
1	215.059	JFK 53	PAN AM LOADING BRIDGE CANOPIES	Y-6076	COMPLETE	~~ONGOING~~ Complete 3/21/90	YES	YES	YES	YES	YES	YES	NO	NO	NO	NO	YES	NO		
1	215.065	JFK 59	MEZZANINE LEVEL	Y-6000D	COMPLETE	~~ONGOING~~ Complete 3/3/90	YES	INC	YES	YES	NO	YES	NO	NO	PA	NO	YES	NO		
[redacted]																				

P 753303

OEPM II

OEPM 11

ATTACHMENT I

D.S.I. INDUSTRIES (FORMERLY ASBESTOS REMOVAL CORP.)
ADAM NOCITO, PRESIDENT
153 WAVERLY PLACE
NEW YORK, N.Y. 10014
(212) 807-6688

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI (FORMERLY ARC)
HYGIENIST: ATC
DATE: 11/19 - 2/20/90
WASTE HAULER: NATIONAL WASTE DISPOSAL
104 EAST 25TH ST.
NEW YORK, NY 10016
(609) 883-1420
NEED: COMPLETED WASTE MANIFESTS, AIR AND FINAL AIR RESULTS

[redacted]

JFK 6072A 215.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: D.S.I.
HYGIENIST: ATC ENVIRONMENTAL
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90
NEED: LOGS & WASTE MANIFESTS

OEPM 11

ATTACHMENT I

A.T.C. ENVIRONMENTAL
ANTHONY VETRANO, PRESIDENT
104 EAST 25TH ST.
10TH FLOOR
NEW YORK, N.Y. 10010
(212) 353-8282

PROJECTS AT JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5956 - 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
NEED: BULK SAMPLES, AND PROCEDURES.

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR TESTS, AREA AIR SAMPLING AND LOGS.

JFK Y-6074A 215.052 PAN AM WORLD PORT, AREA "D" PORT AREA & BATHROOM
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR, AIR TESTS, AND LOGS.

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGE TECH INC
ASBESTOS CONTRACTOR: APED INC.
HYGIENIST: A.T.C. ENVIRONMENTAL
DATE: NOV 7, 1989 - DEC 30, 1989
NEED: ADDITIONAL FINAL AIR AND AIR TESTING RESULTS, AND LOGS

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI
HYGIENIST: ATC ENVIRONMENTAL
NEEDS: COMPLETED WASTE MANIFEST, AND LOGS
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90

JFK Y-6123A 25.071 PAN AM GATE #9 PASSENGER WAITING AREA
ASBESTOS CONTRACTOR:
HYGIENIST: ATC ENVIRONMENTAL
NEED: FINAL AIR, AIR SAMPLE RESULTS, AND LOGS

P 753313

OEPM 11

ATTACHMENT I

D.S.I. (FORMALLY ASBESTOS REMOVAL CORP.)
ADAM NOCITO, PRESIDENT
153 WAVERLY PLACE
NEW YORK, N.Y. 10014
(212) 807-6688

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-6072A 213.087 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOS CONTRACTOR: DSI (FORMALLY ARC)
HYGIENIST: ATC
DATE: 11/19 - 2/20/90
WASTE HAULER: NATIONAL WASTE DISPOSAL
104 EAST 25TH ST.
NEW YORK, NY 10016
(609) 883-1420
NEED: COMPLETED WASTE MANIFESTS, AIR AND FINAL AIR RESULTS

[redacted]

OEPM 11

ATTACHMENT I

CLAYTON ENVIRONMENTAL, INC.
KIRIT DORA, MANAGER
160 FIELDCREST AVE.
EDISON, NJ 08837
(201) 225-6010

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA (201) 227-8160
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS

OEPM 11

DELETE

NOTE
- Omit all highlighted mat'l (unless circled)
- leave all circled mat'l
- enter all written data

ATTACHMENT I

A.T.C. ENVIRONMENTAL
ANTHONY VETRANO, PRESIDENT
104 EAST 25TH ST.
10TH FLOOR
NEW YORK, N.Y. 10010
(212) 353-8282

PROJECTS AT JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5956 - 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
NEED: BULK SAMPLES, AND PROCEDURES.

"NOT AVILIABLE AT THIS TIME"

JFK Y-5906 BLDG #54 TERMINAL EXPANSION PAN AM
DATE: 1/2/89 - 2/1/89
ASBESTOS CONTRACTOR: APED
CONSULTANT: ATC ENVIRONMENTAL
NEED: AIR SAMPLES, FINAL AIR RESULTS, AND LOGS.

"omit"

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR TESTS, AREA AIR SAMPLING AND LOGS.
NEED: BULK SAMPLES

JFK Y-6061A 215.050 BLDG #53 PAN AM WORLD PORT, SERVICE AREA
CUSTOMS AREA "B" IMMIGRATION AND WEST CUSTOMS
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 1/30/89 - 2/17/89
NEED: FINAL AIR AND AIR TESTS
NEED: Final air, air sample results, and logs

"omit entire entry"

JFK Y-6074A 215.058 PAN AM WORLD PORT, AREA "D" PORT AREA & BATHROOMS
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR, AIR TESTS, AND LOGS.

SAMPLES

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGE TECH INC
ASBESTOS CONTRACTOR: APED INC.
HYGIENIST: A.T.C. ENVIRONMENTAL
DATE: NOV 7, 1989 - DEC 30, 1989
NEED: FINAL AIR AND AIR TESTING RESULTS, AND LOGS
PAN

ONGOING

AS OF 3/20

additional

"SAVE"

P 753324

OEPM II

ATC (CON'T)

JFK Y-5981 215.987 BLDG #53 PAN AM OLD TEXAS LOUNGE
ASBESTOS CONTRACTORC: APED CO., INC ~~SIMPLE~~
HYGIENIST: ATC ENVIRONMENTAL
DATE: 6/8/88 - 6/9/88
NEED: FINAL AIR, AIR RESULTS AND LOGS

JFK Y-6080A 215.068 PAN AM ODD SIZE CONVEYOR
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: MAY 11, 1989 - FEB 20, 1990
NEED: LOGS, AND FINAL AIR RESULTS

"omit"

JFK Y-6072A 213.987 PAN AM BLDG #53 EAST CUSTOMS AREA
ASBESTOR CONTRACTOR: DSI
HYGIENIST: ATC ENVIRONMENTAL
NEEDS: COMPLETED WASTE MANIFEST, ~~AIR AND FINAL AIR RESULTS~~ and Logs
WASTE HAULER: NATIONAL WASTE DISPOSAL
DATE: 10/87 - 2/90 JUST FINISHED!
NO WORK AS OF 3/23

P 753325

OEPM 11

ATTACHMENT I

APED, INC.
JOE SHANNON, PRINCIPAL
62 PORETE AVE.
NORTH ARLINGTON, NJ 07032
(201) 991-2918

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5906A BLDG #54 TERMINAL EXPANSION - PAN AM
ASBESTOS CONTRACTOR: APED, INC.
CONSULTANT: ATC ENVIRONMENTAL INC
DATE: 1/2/89 - 2/1/89
NEED: AIR SAMPLES, FINAL AIR RESULTS, AND LOGS.

JFK Y-6062A 215.048 BLDG #53 PAN AM OUTBOUND BAGGAGE
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 1/89 - 4/89
NEED: BULK SAMPLES, FINAL AIR, AIR SAMPLES, AND LOGS.

JFK Y-6061A 215.050 BLDG #53 PAN AM WORLDPORT SERVICE AREA
CUSTOMS AREA "B" IMMIGRATION AND WEST CUSTOMS.

ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 1/30/89 TO 2/17/89
NEED: FINAL AIR AND AIR SAMPLES

JFK Y-6074A 215.052 PAN AM WORLDPORT AREA "D" PORT AREA AND BATHROOM
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 2/16/89 PERMIT APPROVAL
NEED: FINAL AIR AND LOGS.

JFK Y-5981 215.987 BLDG #53 PAN AM OLD TEXAS LOUNGE
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: 6/5/88 - 6/9/88
NEED: FINAL AIR, AIR SAMPLES, AND LOGS

JFK Y-6080A 215.068 PAN AM ODDSIZE CONVEYOR
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: MAY 11, 1989 - FEB 20, 1990
NEED: LOGS, AND FINAL AIR RESULTS.

OEPM 11

APED (CON'T)

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPY
GENERAL CONTRACTOR: BRIDGETECH INC.
ASBESTOS CONTRACTOR: APED, INC.
HYGIENIST: ATC ENVIRONMENTAL, INC.
DATE: NOVEMBER 7, 1989-CURRENT
NEED: FINAL AIR & AIR SAMPLES AND LOGS

PROJECT FOR LA GUARDIA AIRPORT

[redacted]

OEPM 11

ATTACHMENT I

BRIDGETECH, INC.
JAMES LARSON, PRESIDENT
100 H EXECUTIVE DR.
BRENTWOOD, NY 11717
(516) 243-0300

PROJECT FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-6076 215.059 BLDG #53 PAN AM LOADING BRIDGE CANOPIES
GENERAL CONTRACTOR: BRIDGETECH, INC.
ASBESTOS CONTRACTOR: APED
HYGIENIST: ATC ENVIRONMENTAL
DATE: 11/7/89 - 12/30/89
NEED: FINAL AIR AND AIR TESTING RESULTS AND LOGS

OEPM 11

ATTACHMENT I

CDS MESTEL CONSTRUCTION CORP.
LENARD HOFFMAN, PRESIDENT
124 FORREST ST.
BKLYN, NY 11126
(718) 497-2380
FAX (718) 381-6905

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5813 BLDG #53 PAN AM/UTB RETAIL STORE FOR INT'L SHOP
DATE: 12/86-5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION,
GENERAL CONTRACTOR: CDS MESTEL CONSTRUCTION CORP
ARCHITECT: SAL PASSALACQUA
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING INC
P.O. BOX 8381
L.I.C., N.Y. 11101
NEED: EPA NOTIFICATION, LOGS, AND COMPLETE WASTE MANIFESTS

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETE WASTE MANIFESTS, AND FINAL AIR

[redacted]

OEPM 11

ATTACHMENT I

CLAYTON ENVIRONMENTAL, INC.
KIRIT DORA, MANAGER
160 FIELDCREST AVE.
EDISON, NJ 08837
(201) 225-6010

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA (201) 227-8160
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS AND FINAL AIR

P 753338

OEPM 11

ATTACHMENT I

ENVIROSAFE, INC
323 WEST 39th ST.
NEW YORK, N.Y. 10018
RICHARD HOLMES, PRES.
(212) 564-8222

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5956 215.016 PAN AM WORLD PORT DUTY FREE SHOPS
NAT: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALACQUA
CONSULTANT: ATC
WASTE HAULERS: MITCHKO/ADA
NEED: BULK SAMPLES AND PROCEDURES.

[redacted]

JFK Y-5755 PAN AM TERMINAL BLDG/DUTY FREE SHOPS
MATERIAL: 1500 SQ. FT. FIREPROOFING
DATE: 6/5/87-6/25/87
ASBESTOS CONTRACTOR: ENVIROSAFE
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: CLAYTON ENVIRONMENTAL
WASTE HAULER: MITCHKO/ADA
ARCHITECT: SAL PASSALACQUA
NEED: EPA NOTIFICATION, COMPLETED WASTE MANIFESTS, AND FINAL AIR

OEPM 11

ATTACHMENT I

JACK'S INSULATION
JACK BRUCCULERI, PRESIDENT
29-28 DITMARS BLVD
ASTORIA, N.Y. 11105
(718) 726-4221

PROJECT FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

JFK Y-5813 BLDG #53 PAN AM/UTB RETAIL STORE FOR INT'L SHOP
DATE: 12/86-5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION
GENERAL CONTRACTOR: CDS MESTEL CONSTRUCTION CORP
ARCHITECT: SAL PASSALACQUA
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING INC
P.O. BOX 8381
L.I.C., N.Y. 11110
NEED: EPA NOTIFICATION, LOGS, AND COMPLETED WASTE MANIFESTS

PROJECT FOR LA GUARDIA AIRPORT

[redacted]

OEPM 11

ATTACHMENT I

S. PASSALACQUA, ARCHITECT
156 GREEN STREET
VALLEY STREAM NY 11580
(516) 285-4724

PROJECTS FOR JOHN F. KENNEDY INTERNATIONAL AIRPORT

[redacted]

JFK Y-5956 215.016 PAN AM WORLDPORT DUTY FREE SHOPS
MATERIAL: 800 SQ. FT. FIREPROOFING
DATE: 5/20/88
ASBESTOS CONTRACTOR: ENVIROSAFE
ARCHITECT: SAL PASSALAQUA
CONSULTANT: ATC
WASTE HAULER: MITCHKO (UNDER ADA)
NEED: BULK SAMPLES, AND PROCEDURES

JFK Y-5813 BLDG 53 PAN AM UTB RETAIL STORE FOR INT'L SHOPS
DATE: 12/86 - 5/87
ASBESTOS CONTRACTOR: JACK'S INSULATION
GENERAL CONTRACTOR: CDS MESTEL
CONSULTANT: LABORATORIES FOR ENVIRONMENTAL TESTING, INC.
PO BOX 8381
LONG ISLAND CITY, NY 11101
NEED: EPA NOTIFICATION, COMPLETE WASTE MANIFESTS, AND LOGS

PORT AUTHORITY OF NEW YORK AND NEW JERSEY
Asbestos Certification Letter and Permit Application

6-ENG

Instructions: Part One or Two of the Asbestos Certification Letter and Permit Application shall be completed and submitted with form PA-531. If Part Two indicates that asbestos containing material will be disturbed during the term of the project, then complete Part Three, Asbestos Abatement Permit Application.

Part One - Certification of a Non-Asbestos Project

The area of construction has been surveyed and no asbestos containing material (ACM) is present or will be disturbed during the course of this project. Complete one of the following:

NJ Facility:

Name of Professional Engineer or Architect	Signature of Professional Engineer or Architect	License No.	Date

NY Facility: Pan American Worldport, Building #53, West Y-6080A Oddsize (Oversize) Baggage Conveyor System.

Name of Certified NYC Investigator	Signature of Certified NYC Investigator	Certification Number	Date

Part Two - Certification of an Asbestos Project

The area of construction has been surveyed, samples have been taken and the test results of the suspect asbestos containing material (acm) reveals the following:

ACM - PRODUCT	TYPE OF ASBESTOS	APPROX. % OF ASBESTOS	No. of Samples	No. of Positive
Spray-on Material	Chrysotile	10-20	8	5
Pipe Insulation				
Boiler Insulation				
Other Spray-On	Amosite	Trace	1	1

Note: Type of Asbestos - Chrysotile, Amosite, Crocidolite, Anthophylllite, Tremolite and Actinolite

Name of Certified Environmental Consultant	Signature of Certified Environmental Consultant	Environmental Consultant Certificate No.	Date
ALBERT PEREZ		ABIH #3300	2/27/89

Part Three - Asbestos Abatement Permit Application

A. LOCATION:
Facility — JFK INTERNATIONAL AIRPORT
Building No. — H 53
Building Area — CDDSIZE (OVERSIZE) CONVEYOR MODIFICATION
A. Boiler Room
B. Mechanical Equipment Room
C. Other

6-ENG

B. PURPOSE: Reason for abatement: Operation & Maintenance ____
Demolition ____ Renovation X Other ____

C. SCOPE OF WORK, TYPE OF MATERIAL AND ASSOCIATED COSTS:
(Cost information is not necessary if Waiver is signed)

1. Removal	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	850	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		L.FT.
	Other		
	Total Cost Of Abatement (Materials, Labor, Disposal, etc.) *	$ 35,000.00	
2. Replacement	Boiler Insulation		SQ.FT.
	Pipe Insulation		L.FT.
	Pipe Elbows/Fittings	#	
	Duct Insulation		SQ.FT.
	Spray-on Fireproofing	850	SQ.FT.
	Transite Material		SQ.FT.
	Cable Insulation		
	Other		
	Total Cost Of Replacement (Materials, Labor, etc.) *	$ 2,500.00	
3. Cleanup/Repair	(Indicate Quantity	5200	CU.FT.
	Total Cost Of Cleanup (Labor, Disposal, etc.)*	$ 37,500.00	
4. Size Of Site Containment		850	SQ.FT.

5. Does the scope of work described in this tenant alteration application include work other than asbestos abatement ? Yes X No ___

* Estimate of costs required only if tenant wishes to participate in the Port Authority lawsuit against miners and manufacturers of asbestos products found within Port Authority buildings.

6-ENG

D. ABATEMENT METHOD
1. Glove Bag Procedure
2. Full Site Containment ✓
3. Partial Containment
4. Structural Containment (Enclosure)
5. Other

E. ASBESTOS ABATEMENT CONTRACTOR
Name: AIED Co. INC.
License Number: AC-88-0471
Address: 62 PORETE AVE, NORTH ARLINGTON, NJ 07031
Telephone Number: 201-991-2918
Contractor Project Supervisor: JAN SZYMANSKI
Principal: ARTHUR BARIS

F. ASBESTOS WASTE DISPOSAL HAULER
Name: ASBESTOS DISPOSAL AGENCY
Address: 170 CHANGEBRIDGE ROAD, MONTVILLE 07004
Telephone Number: 201-227-8160

G. ENVIRONMENTAL LAB
Name: ATC ENVIRONMENTAL, INC.
Address: 104 E. 25th STR. NYC. 10010
Telephone Number: 212-353-8280

H. ESTIMATED ABATEMENT SCHEDULE (see attached Waiver Letter)
Start Date: _____ Completion Date: _____

I. TENANT CONTACT
Name: MR. AL BROWN
Telephone Number: 718-632-2250

Part Four - INFORMATION TO BE FURNISHED BY THE LINE DEPARTMENT

A. TAA No.: Y-6080A Cost Recovery No.: 215-062
B. Line Department Project Manager: Paul Fernandez
Telephone Number: (718) 656-2584

Part Five - APPROVAL BY PORT AUTHORITY:

The asbestos abatement permit application has been reviewed and the specifications, drawings, and the information in items 3-7 have been approved.

Environmental Engineering
Signature: _____
Title: _____
Date: 6/9/89

Environmental Management Division
Signature: _____
Title: _____
Date: 6/9/89
Permit No. _____

AMD — 13

TENANT REVIEW REQUEST

	DISTRIBUTION	LOCATION
1	Engineering	1WTC-43E
	Trfc. Eng.	PATC -73
	Insp & Safety	25 JSTC-57
	Avia. Plng.	1WTC-65E
	Avia. Tech. Svs.	1 WTC-65NE
	Law Dept.	1 WTC-66W
1	P. TAYLOR / T. FONTANETTA	
	Ops.	Bldg. 269
	Trm.Svcs.	
	Police	Bldg. 269
	Pl.&St.	
1	Res. Eng.	
	Negot.	
1	LVERNON B. BRUNO	
1	P. Fernandez	
1	FILE	

Description of Work:
BLDG 53
DEPARTURE LEVEL DRIVEWAY
CEILING HANGERS & ASBESTOS
REMOVAL

FACILITY: JFKIA

APPL. NAME: PAN AM

APPL. NO.: Y-6142A

DWG NOS.: —

DATE: 7/26/89

☑ Please review the attached ~~application~~ Package & send comments to:

☐ Attached are revised dwgs. Please review only those items o which exception was previously taken & send comments to:

661	Bldg. 141 KIA-Rm.240	Eileen Spolidora	62586
~~Org.~~ Unit	Room No.	Contact	Ext.

No later than 8/14/89

If no reply is received by above date, your concurrence will be assumed unless arrangements are made for more review time!!

COMMENTS: Indicate next to each comment whether it is a condition or recommendation.

ATTACHED:

(1) ATC PACKAGE

PA LAW DEPARTMENT

62382

6142A

AMD-13

PAN AMERICAN WORLD AIRWAYS, INC.
PAN AMERICAN WORLDPORT, BUILDING 353
DEPARTURE LEVEL DRIVEWAY CEILING
JFK INTERNATIONAL AIRPORT
JAMAICA, NEW YORK 11430

SMALL ASBESTOS REMOVAL AND DISPOSAL - NEW YORK

SECTION 02082

APPENDIX "A"

1. DESCRIPTION

This Section specifies removal of the black iron and the over spray-on material from the support rods (hangers) located outside above the departure level driveway at the Pan American Worldport Building #53. The work area is divided into two sections, the east and west section, each have 1750 square feet of ceiling area. The combined asbestos containing material to be disturbed is less than 160 square feet. The removal shall be accomplished with a modified glove bag within a movable enclosure as outlined in item 11. of this section.

2. ASBESTOS TYPES(S)

Test results of asbestos-bearing material to be removed indicated that such material contains the following type(s) of asbestos:

Asbestos Bearing Material	Asbestos Type	Approx. percent by by Weight of asbestos in asbestos bearing Material
Over Spray-on Material	Chrysotile	3 - 5%

3. MOVEABLE ITEMS

In addition to all obviously moveable items and those items shown on the Contract Drawings to be removed, if any.

4. CONSTRUCTION SITE WATER

Construction site hot and cold water is available at the construction site without charge at the location(s) designated by the Engineer, subject to such conditions and precautions upon its use as may be imposed by the Engineer. Provide connections to existing facilities,

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9. RE-ESTABLISHMENT OF SYSTEMS AND OBJECTS

Re-establish utility services that were disconnected by install new filters in air moving system(s) affected by work of this Section. Relocate to their original locations all objects which were moved or wrapped and seal, and re-secure mounted objects removed in the course of work of this Section. Restore to its original condition existing construction affected by installation of demarcation barrier if applicable.

10. SECURITY

Pan American World Airways, Inc. shall provide fire watch security personnel. A vehicle with an active beacon shall be placed at a minimum of 10 feet behind the enclosure for traffic control, traffic cones shall be placed in order to divide the road way and a flag person shall be assigned to direct traffic.

11. ADDITIONAL REQUIREMENTS

The work area shall be abated using the modified glove bag, as illustrated on the page following the end of Appendix "A", within a movable enclosure as outlined in the following:

THE REMOVAL PROCEDURE (SPOT REMOVAL)

1. Area barriers shall be placed arround the work area, such as cones connected with warning tape, to prevent public access.

2. A vehicle with lighted beacon shall be a minimum of 10 feet behind the movable enclosure for traffic control.

3. Personnel shall be assigned to direct traffic during the abatement activity.

4. A movable enclosure shall be constructed to include 2 layers of 6 mil poly up to suspended ceiling level and asbestos danger signs shall be placed.

5. Negative air shall be established and maintained for the duration of the work shift.

6. A rectangular frame or facsimile shall be constructed inside a 10 mil glove bag and a HEPA vacuum hose to be attached to the bottom end of the bag. This funnel type apparatus shall be utilized for removal

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(see diagram) of ACM from and the black iron. The ACM on the support rods including the ACM on the steel toggle insert to decking shallbe abated.

7. HEPA vacuuming shall be conducted on the edges of ceiling tiles at the perimeter of the work area.

8. A minimum of three area samples shall be collected from within the established area barriers during the work shift.

9. Penetrating encapsulant shall be applied at each area scraped and within two foot radius.

10. Wet wiping the tent walls and floors of the enclosure shall be performed often during abatement for fiber control.

11. The movable enclosure plastic sheeting shall be collapse inward, enclosing the contaminated clothing and shall be double bagged and disposed. of as ACM.

After each shift?

12. NOTIFICATIONS

The abatement contractor shall notify representatives of the Port Authority resident engineering office of preparation inspection, pre-final visual and waste hauler shipments. All notification shall be made 24 hours prior to each activity.

BUCKSLIP

TO: Marvin Kirshner
FROM: Edwin McKeever
DATE: May 4, 1989

COPY TO: K. Bleach, J. Lantz, M. Pachter, R. Peduto

As agreed at our recent meeting, we will provide a listing of the "Top 150" buildings that your consultant would address in the first phase of their project to estimate the cost of asbestos removal in all structures. In this regard, attached for your use is a listing of the initial group of buildings to be addressed. We will have the balance available by the end of May. I understand from Jack Lantz that the attached will occupy your consultant at least through May.

Edwin G. McKeever

Att.:

LIST OF PRIORITY STRUCTURES

[redacted]

JFK Airport
International Arrivals Building

[redacted]

54 - Northwest Airlines Terminal

[redacted]

[redacted]

APPENDIX D
SIGNIFICANT POTENTIAL HAZARD AREAS

BUILDINGS CONTAINING SIGNIFICANT POTENTIAL HAZARD AREAS

Building	Area	Material
[redacted]		
Building 54 Northwest Airlines Terminal	exterior overhang above the runway area	fireproofing
[redacted]		

JFK

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB-050	TWO DUTY FREE RETAIL STORES	215.009	Y-5901	600SF	FP	03/28/88	0	88-COM	TP	RENOVATION - ALTERATION OF SPA ACCOMODATE NEW RETAIL SHOPS
1	AVIATION JFK JFK-053	PAN-AM-DUTY FREE SHOP, INTERNATIONAL SHOPPERS IS PRESENT TENANT	215.016	Y-5956	800SF	FP	11/07/88	0	88-COM	TP	RENOVATION - ALTERATION OF SPA ACCOMODATE NEW RETAIL SHOP
1	AVIATION JFK JFK-057	AMERICAN AIRLINES, GATES 4, 6, AND 14-LOADING BRIDGES	215.018	Y-5941B	830SF/320SF	FP/F-TILE	08/11/88	0	88-COM	TP	RENOVATION AND ALTERATION OF T
1	AVIATION JFK JFK-IAB-052	IAB-PAKISTAN AIRLINES	215.020	Y-5962	300LF	PIPE	10/02/88	0	89-COM	TP	RENOVATION-DEMOLITION AND ALTE TENANT SPACE (INCLUDING BUILDI
1	AVIATION JFK JFK-058,060	TWA TERMINAL	215.021	Y-6008	300SF	ASBESTOS CLOTH	07/21/88	0	88-COM	TP	O&M - REPLACEMENT OF WORN JETW
1	AVIATION JFK JFK-053	CONCOURSE LEVEL, PAN-AM WORLD PORT-HUDSONS' SHOP	215.022	Y-6039	530SF	FP	10/10/88	0	88-COM	TP	RENOVATION OF SPACE FOR NEW RE

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-179	1ST FLOOR, DHL AIRWAYS-WAREHO USE	215.028	Y-5878	770LF	PIPE	02/12/89	0	89-COM	TP	RENOVATION - DEMOLITION AND AL TENANT SPACE.
1	AVIATION JFK JFK-181	CATHOLIC CHAPEL-ROOF,RESTROOMS ,MER,LOCATIONS BENEATH SLAB	215.030	JFK-320.008	1,110LF/300/600 SF/9,600SF	PIPE/PIPE FITTINGS/TAR PAPER ROOF MATERIAL/FLOOR TILE	01/03/89	134965	89-COM	P	DEMOLITION OF BUILDING-JFK 200
1	AVIATION JFK JFK-182	JEWISH SYNAGOGUE	215.031	JFK-320.008	68LF/46SF/319SF /250/2,000SF/6, 300SF	PIPE/BOILER/DU CT/P-ELBOWS/F-TILES/ACOUSIC PLASTER	01/03/89	165415	89-COM	P	DEMOLITION OF BUILDING-JFK 200
1	AVIATION JFK JFK-184	PROTESTANT CHAPEL	215.032	JFK-320.008	332SF/40LF/60SF /175/9,000SF	FITTINGS/BOILE R/P-ELBOWS/SHI NGLES	01/03/89	269620	89-COM	P	DEMOLITION OF BUILDING-JFK 200
1	AVIATION JFK JFK-FUEL FARM	21 TRUCK LOADING RACK FILTER SEPARATORS (RACKS 21-34 AND 42-48)	215.034	AYA-412	400SF	MONO BLOCK INSULATION	10/17/88	24600	89-COM	P	O&M - MAINTENANCE OF DETERIORA API 1581 GROUP II CLASS B SPEC
1	AVIATION JFK JFK-IAB-050	EAST WING, CUSTOMS HALL	215.035	JFK-215.500 WO #1	6,000SF	ACOUS PANELS	11/26/88	20829	89-COM	P	RENOVATION OF CUSTOMS HALL FOR LOUNGE
1	AVIATION JFK JFK-HANGAR-04	UNITED AIRLINES OPERATIONS	215.036	Y-5814A	170LF/215SF/160 SF	PIPE/TAR PAPER/CORR SIDING	11/28/88	0	88-COM	TP	RENOVATION,BUILDING ADDITION (ADDITION TO HANGAR)

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-059	BRITISH AIRWAYS TERMINAL-CONCO RD LOUNGE	215.038	Y-5935A	50LF	PIPE/P-ELBOWS	/ /	0	89-COM	TP	RENOVATION AND ALTERATION OF T ACCOMODATE NEW LOUNGE
1	AVIATION JFK JFK-206	FORMER CTA AMMACO GAS STATION,MER OF FUTURE CONTROL TOWER	215.044	JFK-215.500 WO #2	40LF	PIPE AND P-FIT/CONTAMIN ATED DEBRIS	12/18/88	5106	88-COM	PCU	EMERGENCY - CONTAMINATED AREA TIMELY PROGRESS OF CONSTRUCTIO
1	AVIATION JFK JFK-081,082	THROUGHOUT INTERIOR OF BOTH BUILDINGS	215.047	JFK-215.047	16,000SF/3,208L F/5,000SF/19,44 0SF/155SF/458	FP/PIPE/FITTIN GS/VAT/DUCT/WA LL PLASTER/GALBES TOS/BREECHING	07/27/89	589390	89-COM	P	DEMOLITION - ENTIRE BLDG. #81 BLDG. #82
1	AVIATION JFK JFK-053	PAN AM WORLDPORT	215.048	Y-6062A	570SF	FP	/ /	0	PLANNING	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-IAB-051	JAPAN AIRLINES WEST CUSTIOMS HALL	215.049	Y-5998A	40/NOT LISTED	PIPE ELBOWS/TAR COATED DIFFUSERS	05/15/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	PAN AM WORLD PORT SPECIAL SERVICE AREA	215.050	Y-6061A	500SF/300LF		06/01/89	0	89-COM	TW	RENOVATION - RECONSTRUCTION AN OF SPACE
1	AVIATION JFK JFK-144	FORTE VISCOUNT HOTELS INT'L	215.051	Y-5924A	21000SF	SURFACING MATERIAL	07/14/89	0	90-COM	TP	RENOVATION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-053	PAN AM WORLD PORT- AREA D BAGGAGE AND SERVICES ADMIN, BAGGAGE SERVICE OFFICE AND BATHROOMS	215.052	Y-6074A	62LF/8/15SF	PIPE/FITTINGS/ FP	05/12/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-059	BRITISH AIRWAYS TERMINAL/US AIR LOCKER ROOM	215.053	Y-6090A	100	PIPE ELBOWS/FITTING S	03/27/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-049	PARKING LOT 2	215.056	JFK-744.002	120LF	PIPE	06/01/89	0	92-COM	P	O&M - HIGH TEMPERATURE WATER L
1	AVIATION JFK JFK-059	UTILITY TUNNEL - BRITISH AIR	215.057	Y-6160A	745/1230LF/2400 SF/50	PIPE FITTINGS/PIPE/ TRANSITE/PIPE SADDLES	03/13/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	AMERICAN AIRLINES TERMINAL GATE 16	215.058	Y-6088A	440SF	FP	04/12/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	PAN AM LOADING BRIDGE CANOPIES	215.059	Y-6076	1430SF	ASBESTOS CLOTH	/ /	0	PLANNING	TW	REPLACEMENT - WAIVER LETTER RE

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-059	BRITISH AIRWAYS MER	215.060	Y-6000C	4600SF/700EA	FP/PIPE FITTINGS	05/01/89	0	PLANNING	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	PAN AM WORLD PORT	215.062	Y-6068A	850SF	FP	/ /	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	PAN AM WORLD PORT	215.063	Y-6112	20SF	FP	/ /	0		TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-059	BRITISH AIR EXTERIOR RAMP AREAS	215.064	Y-6000C	500LF/16000SF	PIPE/TRANSITE	07/31/89	0	90-COM	TP	RENOVATION
1	AVIATION JFK JFK-059	BRITISH AIR MEZZANINE LEVEL	215.065	Y-6000D	19800SF/5100SF	FP/ACOUSTICAL PLASTER	11/16/89	0	90-COM	TP	RENOVATION
1	AVIATION JFK JFK-059	BRITISH AIR ARRIVAL LEVEL	215.066	Y-6000E	830SF/16000SF	FP/CEILING ACCOUSTICAL PLASTER	07/16/90	0	90-COM	TP	RENOVATION
1	AVIATION JFK JFK-059	EAST GALLERY/UNITED TICKET OFFICE	215.067	Y-6000F	220/750SF	PIPE ELBOWS/ACCOUST ICAL CEILING PANELS	03/26/90	0	90-COM	TP	RENOVATION
1	AVIATION JFK JFK-HANGAR-19	PAN AM TERMINAL SOUTH BLOCK HOUSE	215.068	Y-6122A	6200SF	FP	08/04/89	0	90-COM	TP	IRC

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-053	GATE # 9, PASSENGER WAITING AREA	215.071	Y-6123A	150SF	FP	/ /	0	89-COM	TW	RENOVATION OF GATE AREA - WAIV BE SUBMITTED
1	AVIATION JFK JFK-053	SOUTH CONCOURSE LEVEL	215.072	Y-6110A	225SF	FP	/ /	0	PLANNING	TW	RENOVATION OF SUPPLEMENTAL AIR SYSTEM-- WAIVER LETTER RECEIVE
1	AVIATION JFK JFK-057	AREA OF GATES 7, 8 AND 10 AND SKYCHIEF STORAGE AREA	215.073	Y-5964A	4,600SF	FP/CLEANUP	/ /	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-059		215.075	Y-6000G	300 LF	PIPE FITTINGS	03/07/90	0	90-COM	TP	
1	AVIATION JFK JFK-053	PAN AM WORLD PORT - TERMINAL EXPANSION - DEPARTURE LEVEL DRIVEWAYS	215.076	Y-6142A	120SF	FP	/ /	0		TW	REPAIR - TENANT WAIVER LETTER
1	AVIATION JFK JFK-HANGAR-04	UNITED AIR HANGAR #4	215.077	Y-5814B	225LF/25SF	PIPE/ROOFING MATERIAL	/ /	0	PLANNING	TW	REPAIR - WAIVER LETTER REC'D 1
1	AVIATION JFK JFK-055	UNITED AIRLINES-FORMER FLIGHT KITCHEN	215.079	Y-6160A	180LF/60FIT/750 SF/260SF/260SF	PIPE/FITTINGS/ DUCT/ACOU PLAS/VAT	10/01/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-057	EXTERIOR OF GATE 4	215.080	Y-6060B	60SF	FP	09/25/89	0	89-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	AMERICAN AIRLINES TERMINAL	215.081	Y-6060C	300LF/3150SF	PIPE/FP	/ /	0		TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	AMERICAN AIRLINES TERMINAL - GATES 2&8/EAST PUBLIC BATHROOMS	215.082	Y-6060D	10SF/4000/850SF	PIPE ELBOWS/FP/VAT	/ /	0		TW	RENOVATION/DEMOLITION WAIVER L 10/06/89
1	AVIATION JFK JFK-053	PAN AM - EAST CUSTOMS AREA	215.087	Y-6061B	6700SF	FP	/ /	0		TW	RENOVATION
1	AVIATION JFK JFK-IAB-051	AIR LINGUS TENANT AREA EAST WING 3RD FLOOR LOUNGE	215.088	Y-6169A	2550SF	ACOUSTICAL PLASTER SUSPENDED CEILING	01/29/90	0	90-COM	TP	RENOVATION OF PUBLIC WAITING
1	AVIATION JFK JFK-067	NORTHWEST SECTION PAN AM CARGO AREA	215.089	Y-6156A	4000SF	FP	/ /	0		TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-208	PAN AM JET CTR MEZZO LEVEL	215.097	Y-6178A	3500SF	FP	/ /	0		TW	RENOVATION - WAIVER LETTER REC

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-049	UNDERGROUND RICKWELL PIPE	215.098	JFK-575	150LF	PIPE	/ /	11107		PCU	O&M - EMERGENCY REPAIRS ON RIC SYSTEM AT JFK AIRPORT
1	AVIATION JFK JFK-057	AMERICAN AIRLINES AIRBRIDGE CANOPIES	215.099	Y-6202	2450SF	FIRE BLANKETS	/ /	0	90-COM	TW	REPLACEMENT OF WORN CANOPIES - LETTER REC'D 1/9/90
1	AVIATION JFK JFK-055	EASTERN AIRLINE EXTERIOR CANOPY UNDERSIDE CEILING ABOVE DEPARTURES ROADWAY	215.100		8000SF	CEMENT PLASTER CEILING	01/09/90	0	90-COM	PCU	IRC - DETERIORATION OF CEILING WORK PERFORMED, BALANCE OF WOR REMOVED AT LATER DATE
1	AVIATION JFK JFK-IAB-052	AIR FRANCE WEST WING PASSENGER LOBBY	215.101	Y-6134A	10LF/8	PIPE/PIPE ELBOWS	/ /	0	90-COM	TW	RENOVATION - TENANT WAIVER LET 1/12/90
1	AVIATION JFK JFK-057	AMERICAN AIRLINES GATE 10 CONCOURSE/RAMP LEVEL	215.102	Y-6060E	28/3000SF/1500SF/	PIPE ELBOWS/FP/TRANSITE	03/01/90	0	90-COM	TW	DEMOLITION/RENOVATION WAIVER L 1/24/90
1	AVIATION JFK JFK-139	MARRIOT INFLIGHT PREP KITCHEN AREA	215.104	Y-5759A	44000SF/4000LF/390/30000SF/46000SF/600SF	CEILING TILES/PIPE/PIPE ELBOWS/DUCT/FP/HOOD	/ /	0	92-COM	TW	RENOVATION/EXPANSION - WAIVER 1/28/90

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
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1	AVIATION JFK JFK-054	PAN AM OUTBOUND CONVEYOR BELT AREA	215.115	Y-6232A	100SF	ACCOUSTICAL SPRAYON ON CONCRETE DECKING	/ /	0	ON HOLD	TW	RENOVATION - WAIVER LETTER FOR
[redacted]											

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-057	AMERICAN AIRLINES FLAGSHIP LOUNGE	215.119	Y-6060H	1500SF	FP	/ /	0	ON HOLD	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	AMERICAN AIRLINES SERVICE GARAGE RAMP GATE 2	215.120	Y-6060I	4800SF	FP	06/04/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-HANGAR-08	UNITED AIRLINES AIR CONDITIONING & BOILER ROOMS	215.121	Y-6248A	1600LF/200/1500 SF	PIPE/ELBOWS/DU CT	/ /	0	90-COM	TW	RENOVATION - WAIVER LETTER FOR
1	AVIATION JFK JFK-067	PAN AM CARGO BLDG	215.122	Y-6251A	23500SF	FP	/ /	0	ON HOLD	TW	RENOVATION
1	AVIATION JFK JFK-183	TWA DINING & COMMISSARY UNIT	215.123	Y-6246A	75	ELBOWS/FITTING S	05/01/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	PAN AM CONCOURSE LEVEL REFUGEE LOUNGE	215.125	Y-6256A	300SF	FP	05/17/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	AMERICAN AIRLINES TERMINAL	215.128	G-6060J	5000SF	FP	07/01/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-057	AMERICAN AIRLINES FEDERAL INSPECTION AREA & CONNECTING RESTROOMS	215.129	Y-6060K	4600SF	FP	08/01/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	GATE 14	215.130	Y-6060L	450SF	FP	08/03/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-014	JAPAN AIR MGMT	215.131	Y-6184	1700SF/610LF/3800/5600SF/2200SF/2200LF	FP/PIPE/ELBOWS/DUCT/BREECHING/CABLE	03/25/91	0	91-COM	TP	DEMOLITION - RENOVATION & ALTE SPACE,DEFENDANTS ORG. NOTIFIED TAKEN
1	AVIATION JFK JFK-057	AMERICAN AIRLINES GATE 6 STAIRWAY	215.133	Y-6060M	1000SF	FP	08/15/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-IAB	LUFTANSA - 3RD FLOOR DEPARTURE LEVEL	215.134	Y-6286A	2400SF	ACCOUSTICAL CEILING	08/15/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-HANGAR-10	AMERICAN AIRLINES GENERAL FORMENS OFFICECORE FLOOR	215.135	Y-6211A	75LF/7800SF	PIPE/VAT	01/24/91	0	92-COM	TW	RENOVATION - WAIVER LETTER REC

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1	AVIATION JFK JFK-055	AMERICA WEST 3RD FLOOR	215.136	Y-6266A	175SF	VAT	08/31/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-059	BRITISH AIRWAYS	215.137	Y-6000H	12200	ROOF FELT	09/09/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-060	TWA INTERNATIONAL TERMINAL- CEILING OF MAIN LOBBY AREA	215.139	Y-6299	16SF	FP	09/05/90	48932		TP	IRC CONDITION AS DETERMINED BY
1	AVIATION JFK JFK-IAB-051	VARIG BRAZILIAN AIRWAYS	215.142	Y-6191A	100SF	ACCOUSTICAL PLASTER CEILING	/ /	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-066	BRITISH AIRWAYS CARGO BLDG	215.144	Y-6285A	180SF	VAT	/ /	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-147	BOILER ROOM - NY TELEPHONE	215.145	Y-6311A	50SF/150LF	BOILER/PIPE	10/24/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	RETAIL SHOP TO BE RENOVATED TO ACCOMODATE MRS FIELDS COOKIES	215.147	Y-6263A	20LF/26SF/500SF	PIPE/DUCT/FP	11/20/90	0	90-COM	TW	RENOVATION - WAIVER LETTER REC NEW TENANT

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1	AVIATION JFK JFK-014	HANGAR-14 2ND FL KITCHEN EXHAUST,OFFICE AREA,PENTHOUSE ,& 1ST-2ND FL PIPE CHASE	215.150	Y-6184A&B	50LF/908/1240SF /60SF	PIPE/ELBOWS/DU CT/GASKETS	/ /	0	PROGRESS	TP	RENOVATION
1	AVIATION JFK JFK-060	TWA-BREAKROOM	215.152	Y-6329	60	PIPE ELBOWS	/ /	0	91-COM	TW	RENOVATION - WAIVER LETTER TO
1	AVIATION JFK JFK-HANGAR-10	AMERICAN AIRLINES MECHANICAL ROOM #5	215.158	Y-6140A	300LF/40/16SF	PIPE/ELBOWS/PU MP INSULATION	02/11/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-110	OGDEN ALLIED FLIGHT KITCHEN	215.161	Y-6332A	200LF	PIPE	03/10/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-144	TRUST HOUSE FORTE TRAVELODGE HOTEL	215.163	Y-6347A	630SF/350LF	BOILER/PIPE	05/14/91	0	91-COM	TP	RENOVATION
1	AVIATION JFK JFK-057	AMERICAN AIRLINES WEST FINGER - NEW COCKTAIL AND SNACK BAR	215.164	Y-6337A	500SF	FP	03/01/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-HANGAR-03	FEDERAL EXPRESS	215.166	Y-6343A	200SF	EXTERIOR SIDING COATING AND MASTING	09/09/91	0	91-COM	TP	INSTALLATION OF NEW HEATING SY

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1	AVIATION JFK JFK-250	US POSTAL SERVICE - EXPRESS MAIL FACILITY	215.167	Y-6304A	17500SF	ROOF/VAT	06/10/91	0	91-COM	TP	RENOVATION
1	AVIATION JFK JFK-057	AMERICAN AIRLINES MAKE-UP BAGGAGE ROOM	215.168	Y-6060N	150LF/1200SF	PI/ACOUSTICAL INSULATION	04/29/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-057	INTERNATIONAL TICKET LOBBY	215.169	Y-6060P	20SF	FP	06/03/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK. JFK-014	JAPAN AIR LINE EAST WING KITCHEN	215.171	Y-6184D	800SF/3500SF	FP/MASTIC ADHESIVE	07/29/91	0	PROGRESS	TP	RENOVATION
1	AVIATION JFK JFK-014	EAST,WEST HANGARS,PENTHOUSE,2ND,3RD FLOORS	215.172	Y-6184C	1096/2200SF	FITTINGS/FP	06/25/91	0	91-COM	TP	RENOVATION
1	AVIATION JFK JFK-147	NY TELEPHONE AREA	215.175	Y-6415	12700SF	ACCOUSTICAL CEILING	10/31/91	0	91-COM	TP	RENOVATION
1	AVIATION JFK JFK-057	EAST CONCOURSE	215.178	Y-6422A	600SF	FP	09/16/91	0	91-COM	TW	RENOVATION - WAIVER LETTER REC

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1	AVIATION JFK JFK-053,054	CANOPIES FOR PASSENGER BOARDING BRIDGES	215.190	Y-6447A	2800SF	ACM CLOTH	11/30/91	0	92-COM	TW	RENOVATION - WAIVER LETTER REC
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1	AVIATION JFK JFK-054	DELTA AIRLINES BRIDGE AT GATE 39	215.206	Y-6491A	1134SF	TRANSITE	06/17/92	0	92-COM	TW	RENOVATION - WAIVER LETTER REC
[redacted]											

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[redacted]											
1	AVIATION JFK JFK-053,054	DELTA AIRLINES - INTERIOR SIGNAGE & SECURITY PROJECTS	215.215	Y-6514A	150SF	FIREPROOFING	08/03/92	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
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1	AVIATION JFK JFK-053	CONCOURSE LEVEL EXTERIOR VESTIBULES DELTA AIR	215.218	Y-6522A	2700SF	FP	08/01/92	0		TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053,054	DELTA AIRLINES	215.221	Y-6526A	71,310SF	CEILING	/ /	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	EAST CONCOURSE	215.222	Y-6529A	7000SF	FP	09/02/92	0	PLANNING	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	STATION OPERATIONS OFFICE	215.223	Y-6533A	4200SF/3300SF	FP/VAT	10/01/92	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-049	VALVE HOUSES AT COOLING TOWERS	215.224		2100SF/30LF	TRANSITE BOARD/PIPE	08/17/92	0		P	O&M
1	AVIATION JFK JFK-049	HEATING WING	215.228	JFK-814.001	6000LF/2500SF/2500SF/1000	PIPE/TANK/BREECHING/FITTINGS	08/15/91	0	PROGRESS	P	O&M - TANKS WERE PREVIOUSLY SA (COGENERATION)
1	AVIATION JFK JFK-014	ROOF	215.237	Y-6184J	83000SF	ROOF	10/30/92	0	93-COM	TP	RENOVATION
1	AVIATION JFK JFK-296	TWA TENANT SPACE	215.238	Y-6543A	120LF/150SF	PIPE/DUCT	11/05/92	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC

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1	AVIATION JFK JFK-HANGAR-11	HANGAR 11	215.239	Y-6350A	660SF/3560LF/427/9325SF/33264SF/940SF/190SF/300LF	BOILER/PIPE/FITTINGS/DUCT/VAT/FP/TRANSITE/CABLE	11/15/92	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-056	AMERICAN AIRLINES BAGGAGE CLAIM,BASEMENT & CONCOURSE'D'	215.241	Y-6480A	300LF/520/1200SF/40000SF/42200SF	PIPE/FITTINGS/TRANSITE WALL PANELS/PLASTER CEILING/VAT	12/14/92	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-067	DELTA AIRLINES - NORTH SHIPPING DOCK AREA	215.245	Y-6558A	5000SF	FP	01/01/93	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-056,057	AMERICAN AIRLINES BASEMENT,MAKEUP BAGGAGE AREA	215.248	Y-6480B	300LF/335/500SF/1400SF/5400SF	PIPE/FITTINGS/TRANSITE/CEILING PLASTER/VAT	02/25/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-056,057	AMERICAN AIR MEZZANINE & DEPARTURE LEVEL	215.249	Y-6480C	1900SF	FP	01/20/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	1ST CLASS LOUNGE & CROWN ROOM	215.252	Y-6566A	5400SF/140SF	FP/VAT	01/27/93	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-086	DELTA FLIGHT CENTER, CONCOURSE LEVEL CEILINGS	215.253	Y-6434A	6700SF	VAT	12/23/92	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC

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1	AVIATION JFK JFK-053	FLIGHT CENTER EXPANSION-CONC OURSE LEVEL	215.254	Y-6566.01A	14000SF	SPRAY ON FP	03/08/93	0	94-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-HANGAR-11	NIPPON CARGO AIRLINE OFFICE AREAS & COOLING TOWER	215.257	Y-6350B	145LF/150SF/190 SF/10000SF	PIPE/DUCT/TRAN SITE/VAT	03/15/93	0	PLANNING	TP	RENOVATION
1	AVIATION JFK JFK-HANGAR-11	MER AND 3RD FLOOR HALLWAY	215.258	Y-6350D	770LF/117/6000S F/1500SF/2000SF	PIPE/FITTINGS/ DUCT/VAT/ACCOU STICAL PLASTER	03/03/93	0	93-COM	TP	RENOVATION
1	AVIATION JFK JFK-053	HVAC SYSTEM - DELTA AIRLINES	215.259	Y-6566.03A	580/325SF	FITTINGS/DUCT	04/01/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-053	INISDE OPERATIONS OFFICE	215.260	Y-6566B	1500/7400SF/360 00SF/3500SF	FITTINGS/DUCT/ FP/VAT	04/01/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-061,062,063	CHRP BELOW GRADE CHILLED WATER PIPES AT COOLING TOWERS 61,62, & 63	215.265				08/18/93	0			
1	AVIATION JFK JFK-053	DELTA AIRLINES; CROWN ROOM	215.267	Y-6566.05A	6,745SF/220SF	FP/VAT	03/31/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC

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1	AVIATION JFK JFK-054	DELTA AIRLINES, TERMINAL RENOVATIONS; RAMP, GROUND FLOOR, CONCOURSE LEVEL	215.273	Y-6565A	5200SF,10000SF, 100LF,3900SF,10 0SF	TRANISTE, FP, PIPING, VAT, PIPE ELBOWS	07/12/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
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Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-HANGAR-17	TOWER AIR	215.280	Y-6614A	1100SF	ROOFING AND FLASHING	07/14/93	0	93-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-056	AMERICAN AIR EAST & WEST VESTIBULES	215.281	Y-6480H	600SF	CEILING PLASTER	08/04/93	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-060-HANGAR-12	TWA - FUEL VAULT AND BAGGAGE CLAIM	215.284	Y-6632A	325LF/100SF	PIPE/CEILING PLASTER	09/15/93	0	PLANNING	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-056	AMERICAN AIRLINES - WORK AREA 6	215.285	Y-6480E	200LF,5200SF,1100SF	ELBOWS/CEILING PLASTER/FLOOR TILES	/ /	0	PLANNING	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-055	TERMINAL ONE, ENTIRE BUILDING	215.287	Y-6666A-E	4,800LF/2,700LF/8,000SF/26,400SF/7,400SF/14,300SF/79,000SF	PIPE/PIPE ELBOWS/DUCT INSULATION/SPRAY-ON FP/TRANSITE/CEILING PLASTER/VAT	11/10/93	0	PROGRESS	TP	DEMOLITION OF BUILDING #55
1	AVIATION JFK JFK-055	TERMINAL ONE, UPPER VEHICLE CONCOURSE & THIRD FLOOR	215.287	Y-6666A	300LF/800LF/16,240SF/300SF	PIPE/PIPE ELBOWS/CEILING PLASTER/ANTI VIBRATION HVAC CLOTH	11/05/93	0	PROGRESS	TP	DEMOLITION OF BUILDING #55
1	AVIATION JFK JFK-055	TERMINAL ONE, FIRST FLOOR & SOUTH FINGER	215.287	Y-6666B	600LF/1400LF/21000SF/400SF/900SF/1800SF/1500SF	PIPE/PIPE ELBOWS/DUCT INSULATION/SPRAY-ON	11/05/93	0	PROGRESS	TP	DEMOLITION OF BUILDING #55

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
						FP/TRANSITE/VAT/FIREBLANKETS					
1	AVIATION JFK JFK-056	AMERICAN AIRLINES, GATES 4,5,6	215.289	Y-6480F	4800LF/2700LF/7800SF/26500SF/7400SF/14300SF/79000SF	PIPE/PIPE ELBOWS/DUCT INSULATION/SPRAY-ON FP/TRANSITE/CEILING PLASTER/VAT	12/06/93	0	94-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-HANGAR-19	UNITED AIRLINES, CENTRAL & SOUTH BLOCKHOUSES	215.290	Y-6640A	15000SF/10000SF	SPRAY-ON FP/FLOOR TILE	12/17/93	0	94-COM	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK	REDEVELOPED ROADWAY NETWORK	215.292		1000LF	PIPE INSULATION	02/10/94	0	PLANNING		TO ACCOMODATE THE NEW CHILLED CONTRUCTION OF NEW ROADWAYS AN SYSTEMS.
1	AVIATION JFK JFK-IAB	PASSENGER TERMINAL STORES AND AIRLINE GATES	215.293		9SF	ACOUSTICAL PLASTER CEILING (FROM 100 LOCATIONS OF 2" DIAMETER OPENINGS)	02/10/95	0	PLANNING	P	FOR REPLACEMENT OF FIRE ALARM
1	AVIATION JFK JFK-110	OGDEN ALLIED FOOD SERVICES SKY DELI	215.296	Y-6661A	150SF/160LF	BOILER/PIPE	02/07/94	0	PROGRESS	TW	RENOVATION - WAIVER LETTER REC
1	AVIATION JFK JFK-090	ROOF	215.299	A3920.636	1100SF	ROOF FLASHING	04/15/94	0		P	TO ALLOW FOR REROOFING

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1	AVIATION JFK JFK-055	VECHICLE CONCOURSE,BETWEEN COLUMN LINES 17 & 25	215.301	EXD-100.374	25SF/9,800SF	FP/SURFACE AREA CLEANED OF FP FALLOUT	/ /	2921	90-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB	WEST CUSTOMS AREA	215.302	EXD-100.374	160LF	PIPE/FITTING	08/28/90	3242		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-055	EASTERN AIRLINES TERMINAL- 2ND FLOOR	215.303	EXD-100.374		FALLOUT	/ /	570	90-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-055	EASTERN AIRLINES TERMINAL - 2ND FLOOR	215.304	EXD-100.374		ACCOUSTICAL PLASTER CEILING	/ /	93408	90-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-080	BOILER ROOM	215.306	EXD-100.374	200SF/900SF	BOILER BREECHING/BOILER DUST FALLOUT	/ /	9100	90-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-127	BOILER ROOM ON 2ND FLOOR	215.307	EXD-100.374	1300SF	BOILER	/ /	11500		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-056	UNITED AIRLINES UNIT TERMINAL	215.310	EXD-100.374	4SF	CEMENT PLASTER	/ /	1299		PECU	EMERGENCY CONDITION

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1	AVIATION JFK JFK-049	CHRP - BOILER WING	215.311	EXD-100.374	30SF	PIPE	/ /	5736		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-052	IAB - EAST WING, GATE 9 DUTY FREE SHOP	215.312	EXD-100.374	150SF	SPRAYED ON ACOUSTICAL CEILING PLASTER	/ /	9080		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-052	EAST WING - VICINITY OF COOKIE SHOP	215.314	EXD-100.374	10SF	PLASTER CEILING	/ /	1279		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-052	VARIOUS LOCATIONS	215.315	EXD-100.374	8SF	SPRAY ON CEILING PLASTER	/ /	9337		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-052	IAB-WEST WING	215.316	EXD-100.374	2000SF	CEILING	/ /	25522		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-050	IAB-WEST WING	215.317	JFK-215.550	8SF	CEILING	/ /	4319		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB-050	WEST WING HOST RESTAURANT	215.318	JFK-215.550	4SF	ACCOUSTICAL CEILING TILE	04/07/93	2218		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-049	AUXILIARY EXPANSION TANK AREA	215.320	JFK-215.550	60SF	FALLOUT	01/01/01	3057		PECU	EMERGENCY CONDITION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-081	CARGO PLAZZA ROAD,BY BLDG 81	215.321	JFK-215.550	40CY	CEMENT PLASTER CEILING	10/18/91	12997	91-COM	P	EMERGENCY CONDITION
1	AVIATION JFK JFK-057	PAN AMERICAN TERMINAL - TRANSIT ROOM	215.322	JFK-215.550		PIPE/FALLOUT	01/01/01	2000	91-COM	P	EMERGENCY CONDITION
1	AVIATION JFK JFK-049	ZONE 1-ALT LINE	215.323	JFK-215.550			01/01/01	7944		P	EMERGENCY CONDITION
1	AVIATION JFK JFK-HANGAR-07	PAN AMERICAN LOBBY	215.324	JFK-215.550			01/01/01	4069		P	EMERGENCY CONDITION
1	AVIATION JFK JFK-PARKING LOT 2	TRAILER COMPLEX	215.325	JFK-215.550	10LF	CABLE	01/01/01	7445	92-COM	P	EMERGENCY CONDITION
1	AVIATION JFK JFK-127	PUMP ROOM	215.328	JFK-215.550	15LF; 3 PIPE FITTINGS		/ /	1309		P	EMERGENCY CONDITION
1	AVIATION JFK JKF-IAB-050,052	BLDG 50/52 IAB @ GATE #9, WEST WING	215.333	JFK-215.550	8SF CHRYS.	CEILING PLASTER	05/14/92	1960	92-COM	PECU	CLEAN UP PERFORMED DUE TO WATE
1	AVIATION JFK JKF-055	MECHANICAL EQUIPMENT ROOM (DELTA UNIT TERMINAL)	215.334	JFK-215.550	40 LF CHRYS/& 10SF ARGSITE	PIPE/FITTING	05/14/92	20588	92-COM	PECU	EMERGENCY CLEANUP OF PIPE INSU FITTINGS INCLUDING REMOVAL AND THE MECH. EQUIP. RM

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-141	AREA BEHIND SALT STORAGE SHED	215.335	JFK-215.550	80SF (~30 CY)	TRANSITE PANELS;ROOFING	05/18/92	3519	92-COM	PECU	EMERCENCY CLEANUP JOB; ILLEGAL ROOFING MATERIAL BEHIND SALT S TRANSITE PANELS NEAR CH&RP
1	AVIATION JFK JFK-080	BOILER ROOM /CARGO SERVICE BLDG	215.337	JFK-215.550	30 LF	PIPE INSULATION	06/02/92	2995		PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB	MER #'S 1,2,7,8 AND 11; VARIOUS LOCATIONS IN IAB	215.338	JFK-215.550		PIPE INSULATION, WRAP	01/01/01	25249	92-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-IAB	DELTA TERMINAL, MER	215.340	JFK-215.550	340LF	PIPE INSULATION	06/17/92	0	92-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-HANGAR-17	BOILER ROOM	215.344	JFK-215.550		BOILER/ TANK INSULATION	09/15/92	0	92-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-HANGAR-17		215.346	JFK-215.550	200SF	CEILING PLASTER	09/18/92	0	92-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-127	BOILER	215.347	JFK2-215.550		TANK INSULATION	/ /	0	[illegible]	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-060	US [illegible]'S BAGGAGE CLAIM AREA,CEILING	215.348	JFK-215.550	25SF	CEILING FP	[illegible]/29/92	1007	[illegible]	PECU	EMERGENCY CONDITION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
[redacted]											
1	AVIATION JFK JFK-054	DELTA CUSTOMS AREA-MER BLDG 54	215.358	JFK-215.550	20'X 60' AREA	FALLOUT	06/23/93	0	93-COM	PECU	EMERGENCY CONDITION
[redacted]											

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-068	AIR HANDLING ROOM	215.360	JFK-215.550	<10 LF	PIPE	08/12/93	0	93-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-049	VICINITY OF CHRP: ADJACENT TO BLDG ON ROADWAY	215.361	JFK-215.550	70 CU YDS	TRANSITE PIPES	08/19/93	0	93-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-HANGAR 19	UPPER LEVEL NORTH; BLOCK HOUSE	215.362	JFK-215.550	100SF	SPRAY-ON FALLOUT TO FLOOR	07/03/93	0	93-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-089	CARGO BUILDING: BOILER AND AIR HANDLING ROOMS	215.363	JFK-215.590	20LF,45LF,1200SF	PATCHWORK REMOVAL AND CLEANUP	11/01/93	0	93-COM	PECU	EMERGENCY CONDITION
1	AVIATION JFK JFK-088	ROOF	215.401	A3920.621	1800SF,880	ROOF	04/15/94	0		P	TO ALLOW FOR REROOFING
1	AVIATION JFK JFK-178	SOUTH WING ROOF	215.402	A3991.201	920SF,600	ROOF FLASHING, ROOF MASTIC	04/15/94	0		P	TO ALLOW FOR REROOFING
1	AVIATION JFK JFK-SWITCH HOUSE #1	ROOF	215.403	A3920.612	500SF	ROOF FLASHING	/ /	0		P	TO ALLOW FOR REROOFING

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB-050	CENTRAL TERMINAL AREA	215.504	JFK-215.500 WO #4	30	FITTINGS	/ /	11103	89-COM	PCU	RENNOVATION - RECONSTRUCTION A OF SPACE
1	AVIATION JFK JFK-IAB-050	IAB- EAST CUSTOMS HALL	215.505	JFK-215.500 WO #5	50	PIPE FITTINGS	/ /	0	PLANNING	P	RENOVATION- RECONSTRUCTION AND SPACE, CANCLLED FOR NOW (4/'90
1	AVIATION JFK JFK-IAB-050	IAB- WEST CUSTOMS HALL	215.506	JFK-215.500 WO #6	50	PIPE FITTINGS	/ /	0	PLANNING	P	RENOVATION- RECONSTRUCTION AND SPACE
1	AVIATION JFK JFK-127	WEST CENTER LEAN-TO BOILERS #1 AND 2	215.507	JFK-215.500 WO #7	800SF	PIPE/BOILER/BR EECHING	11/08/89	86862	90-COM	P	RENOVATION- OF BOILERS , CAPIT
1	AVIATION JFK JFK-049	ZONE 1 ADJACENT TO PARKING LOT 2	215.508	JFK-215.500 WO #8	260LF	PIPE	/ /	15009	89-COM	P	O&M - REMOVAL OF ACM AFTER EME
1	AVIATION JFK JFK-058,HANGAR-08	CEILING ACCESS OPENINGS	215.509	JFK-215.500 WO #9	12 ACCESS OPENINGS/3 ACCESS OPENINGS	ACOUSTICAL PLASTER/FP	12/01/89	3900	90-COM	P	O&M PREPARATION FOR INTEGRITY
1	AVIATION JFK JFK-FUEL FARM	TRUCK LOADING RACKS #35,36,37,38,39,40,42,49,50	215.510	JFK-215.500 WO #10	450SF	MOLD BLOCK INSULATION	[illegible]/30/89	12812	[illegible]	P	O&M- [illegible] CEMENT OF FILTER UNI

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-060	TWA TERMINAL - CEILING ACCESS OPENINGS	215.511	JFK-215.500 WO #11	28 ACCESS OPENINGS	FP	11/06/89	15583	90-COM	P	O&M - PREPARATION FOR INTEGRIT
1	AVIATION JFK JFK-IAB-050	1ST FLOOR PUBLIC RESTROOMS- PIPE CHASES AND PLUMBING ASSOCIATED WITH THESE ROOMS	215.512	JFK-215.500 WO #12	624LF/154	PIPE	/ /	1861	PLANNING	P	RENOVATION OF RESTROOMS
1	AVIATION JFK JFK-049	UNDERGROUND PIPE ADJACENT TO PARKING LOTS 4 & 5	215.513	JFK-215.500 WO #13	900LF/30	PIPE/FITTINGS	/ /	33027	PLANNING	P	O&M - REPLACEMENT OF CHRP ZONE HOT WATER PIPE
1	AVIATION JFK JFK-178	US CUSTOMS CEILING ACCESS OPENINGS	215.514	JFK-215.500 WO #14	18 ACCESS OPENINGS	FP	/ /	6047	90-COM	P	O&M - PREPARATION FOR INTEGRIT
1	AVIATION JFK JFK-049	CHRP HOT WATER HEATER	215.515	JFK-215.500 WO #15	20LF	PIPE/BOILER	/ /	1093	89-COM	P	IRC - CONTAMINATED AREA
[illegible]	AVIATION JFK JFK-IAB	NO [illegible] CORRIDORS	215.516	JFK-215.500 WO #16	10 [illegible]	FP - FALLOUT	11/14/89	1936	[illegible]	PCU	IRC - DISPOSAL OF ACM FALLOUT
1	AVIATION JFK JFK-049	CHRP HEATING PLANT VALVE PIT	215.517	JFK-215.500 WO #17		SURFACE AREA OF PIPE FALLOUT CLEANED/ PIPE REPAIRED	12/20/89	18560	89-COM	PCU	IRC - CONTAMINATED AREA

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
[redacted]											
1	AVIATION JFK JFK-054	PAN AM TERMINAL B OUTSIDE TRENCH	215.523	JFK-215.500 WO #23	105LF	RICWELL PIPE	06/12/90	14406		P	RENOVATION
[redacted]											

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB-051	EAST WING BLDG-2ND FLOOR	215.533	JFK-215.500 WO #33	2600SF	ACOUSTICAL PLASTER	08/07/90	64141	90-COM	P	RENOVATION - SHOP ALTERATIONS
1	AVIATION JFK JFK-IAB-052	WEST WING 2ND FLOOR	215.534	JFK-215.500 WO #34	2600SF	ACOUSTICAL PLASTER	08/07/90	62520	90-COM	P	RENOVATION - SHOP ALTERATIONS
1	AVIATION JFK JFK-IAB	PUBLIC AREAS	215.535	JFK-215.500 WO #35	100 WALL OPENINGS 2'BY 3'	ACCOUSTICAL PLASTER	09/01/90	103122	91-COM	P	RENOVATION - INSTALLATION OF S
1	AVIATION JFK JFK-IAB-050	PUBLIC AREA - 2ND FLOOR	215.536	JFK-215.500 WO #36	420SF	ACCOUS CEILING PLASTER	/ /	0		PCU	EMERGENCY CONDITION
1	AVIATION JFK JFK-057	AMERICAN AIRLINES TERMINAL AREA	215.551	JFK-215.550 WO #1	50 & 60 ACCESS OPENINGS	FP	06/14/90	14355	ON-HOLD	P	STRUCTUAL INTEGRITY INSPECTION FOR TOP 150
1	AVIATION JFK JFK-088	EMERY AIR FREIGHT	215.552	JFK-215.550 WO #2	6 ACCESS OPENINGS	FP	07/23/90	0	CANCELLED	P	O&M - STRUCTUAL INTEGRITY INSP FP FOR TOP 150
1	AVIATION JFK JFK-139	MARRIOT COMMISSARY	215.553	JFK-215.550 WO #3	15 ACCESS OPENINGS	FP	07/23/90	0		P	O&M - STRUCTUAL INTEGRITY INSP FP FOR TOP 150
1	AVIATION JFK JFK-146	AERO ENTERPRISES COMMISSARY	215.554	JFK-215.550 WO #4	16 ACCESS OPENINGS	FP	07/23/90	2773	92-COM	P	O&M - STRUCTUAL INTEGRITY REPO

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-213	PAN AM MATERIAL CTR	215.555	JFK-215.550 WO #5	8 ACCESS OPENINGS	FP	07/23/90	4063	92-COM	P	O&M - STRUCTUAL INTEGRITY INSP
1	AVIATION JFK JFK-214	PAN AM GROUND EQUIPMENT MAINTENANCE GARAGE	215.556	JFK-215.550 WO #6	10 ACCESS OPENINGS	FP	/ /	3086	92-COM	P	O&M - STRUCTUAL INTEGRITY REPO
1	AVIATION JFK JFK-067	PAN AM UNIT CARGO BLDG	215.557	JFK-215.550 WO #7	18 ACCESS OPENINGS	FP	07/23/90	1003		P	O&M - STRUCTUAL INTEGRITY INSP
1	AVIATION JFK JFK-208	PAN AM JET CTR	215.558	JFK-215.550 WO #8	60 ACCESS OPENINGS	FP	07/23/90	11233		P	O&M - STRUCTUAL INTEGRITY INSP
1	AVIATION JFK JFK-057	AMERICAN AIRLINES UNIT TERMINAL	215.559	JFK-215.550 WO #9	100SF/10	TANK/FITTINGS	06/24/91	13894		P	O&M
1	AVIATION JFK JFK-049	HEATING WING - HOT WATER TRENCH	215.560	JFK-215.550 WO #10	20LF	PIPE	01/01/01	16219		P	O&M
1	[illegible] JFK JFK-049	[illegible] EXPANSION TANK	215.561	[illegible]	1000[illegible]	[illegible]	[illegible]1	4	[illegible]	[illegible]	[illegible]
1	AVIATION JFK JFK-127	[illegible] TANKS 3-4 BOILER, HANGAR 4 LEAN-TO BLDG 127	215.562	JFK-215.550	500SF	BOILER	[illegible]/91	4758		P	O&M - TANK REPLACEMENT

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-049	HVAC/TANK	215.563	JFK-215.550	100SF	BOILER	01/01/01	40184		P	IRC
1	AVIATION JFK JFK-067	PAN AM	215.564	JFK-215.550		FP FALLOUT	10/11/91	295		PCU	IRC
1	AVIATION JFK JFK-RAMPSIDE	BETWEEN TERMINALS A&B	215.565	JFK-215.550	60LF	PIPE	01/01/01	0		P	IRC
1	AVIATION JFK JFK-057	AMERICAN AIR UNIT TERMINAL MER	215.566	JFK-215.550 WO #16	30SF/25LF	BOILER/PIPE	12/09/91	13568		P	O&M - REPAIR NECESSARY FOR SEA
1	AVIATION JFK JFK-060	BOILER ROOM/HEAT EXCHANGER	215.567	JFK-215.550 WO #17	20SF/30LF	FP/PIPE	12/02/91	9819		P	O&M-REPAIR TO HEAT EXCHANGER
1	AVIATION JFK JFK-IAB	2ND FL PUBLIC LOUNGE/CORRIDO R	215.568	JFK-215.550	300SF	ACCOUSTICAL CEILING PLASTER	09/09/92	3370	CANCELLED	P	REPAINTING OF CEILING TO MATCH AREA(NO AB[illegible]ENT)
1	[illegible] JFK [illegible]053,054,055 ,059,060	MER	[illegible]	[illegible]	[illegible]	[illegible]/ ACOUSTICAL PLASTER	[illegible]	[illegible]			REMOVAL [illegible] D WATER [illegible]
1	AVIATION JFK JFK-053	PEDESTRIAN WALKWAY	215.570	JFK-215.550	8SF	CEMENT	[illegible]/92	5708	92 [illegible]	P	O&M - STRU[illegible]TY INSP

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-GAS HOUSE	VALVE ROOM-BLDG ADJACENT TO CHRP	215.571	JFK-215.550	250LF	PIPE	01/01/01	22674	92-COM	P	DEMOLITION- GAS HOUSE
1	AVIATION JFK JFK-127	PUMP ROOM	215.572	JFK-215.550	100LF	PIPE	01/01/01	5542	92-COM	P	O&M
1	AVIATION JFK JFK-IAB	BATHROOMS THROUGHOUT	215.573	JFK-215.550		ACCOUSTICAL PLASTER/PIPE FITTINGS	02/24/93	9786		P	RENOVATION
1	AVIATION JFK JFK-IAB	PASSENGER TERMINAL RESTROOMS	215.574	JFK-215.550	200LF/250	PIPE/FITTINGS	03/04/92	30389	92-COM	P	RENOVATION
1	AVIATION JFK JFK-127	3RD FLOOR BOILER ROOM	215.575	JFK-215.550	75LF	PIPE	04/01/92	8637	92-COM	P	O&M - REMOVAL OF OLD PIPE
1	AVIATION JFK JFK-080	PENTHOUSE MECHANICAL ROOMS EAST & WEST	215.576	JFK-215.550	150LF/20	PIPE/FITTINGS	04/01/92	17826	92-COM	P	O&M - REPLACEMENT OF LINES
1	AVIATION JFK JFK-HANGAR-04	[illegible] UNDERGROUND VAULT	[illegible]	[illegible]	20LF	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	O&M - REPLACEMENT [illegible]
1	AVIATION JFK JFK-213	ABOVE DRLINED TILE CEILING INSIDE AND CONCRETE	215.578	JFK-215.550	9700SF	FP	05/01/92	11055		P	RENOVATION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Project	Eststart	Progress	Status	Job_Type	Reason
		CANOPY CEILING OUTSIDE.									
1	AVIATION JFK JFK-IAB	RESTROOMS OF WEST WING,GATE 32,23, ADJACENT TO GATE 32 & WEST FINGER AUXILLARY RESTROOM	215.579	JFK-215.550	20000 SF	ACOUSTICAL PLASTER	07/01/92	3110		P	RENOVATION
1	AVIATION JFK JFK-IAB	RESTROOMS OF EAST WING GATE 12, ADJACENT TO 12, & EAST WING FINGER GATE 21 & EAST FINGER AUXILLARY RESTROOMS.	215.580	JFK-215.550	2000 SF ACOUSTAL CEILING PLASTER		07/01/92	0		P	RENOVATION
1	AVIATION JFK JFK-IAB	RESTROOMS OF WEST WING GATES 33,34, 25, AND 27.	215.581	JFK-215.550	2000 SF OF ACOUSTICAL PLASTER		07/01/92	0		P	RENOVATION
1	AVIATION JFK JFK-IAB	RESTROOMS OF [illegible] GATE [illegible], [illegible] ST FINGER GATE 18 & 19	215.582	JFK-215.550	2000 SF ACOUSTICAL PLASTER		07/01/92	0		P	RENOVATION
1	AVIATION JFK JFK-IAB	[illegible] IN MERS AND CRAWL SPACE	215.583	JFK-215.550	+40 CYDS	PIPE	[illegible]/92	73013	[illegible]	PCU	FALL-OUT FROM DAMAGED INSULATI

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB	PASSENGER TERMINAL	215.584	JFK-215.550	270S	ACOUSTICAL PLASTER	06/22/92	0		P	POTENTIAL FALLING HAZARD
1	AVIATION JFK JFK-049	VALVE PIT IN HEATING WING AT THE CHRP	215.535	JFK-215.600	130 LF	PIPING (20")	11/23/92	0	PLANNING	P	TO ALLOW FOR CHANGEOVER TO KIA FACILITY
1	AVIATION JFK JFK-014	OFFICES AND HANGAR	215.587	JFK-215.550	65000SF	VAT	03/22/93	0	PLANNING	P	RENOVATION
1	AVIATION JFK JFK-014	OFFICES AND HANGAR	215.588	JFK-215.550	65000SF	VAT	03/01/93	0	PLANNING	P	RENOVATION
1	AVIATION JFK JFK-IAB	2ND FLOOR,WEST WING COORIDOR	215.589	JFK-215.550	13000SF	PLASTER CEILING	03/31/93	0	PLANNING	P	RENOVATION
1	AVIATION JFK JFK-[illegible]0	TWA INTERNATIONAL, MER	215.[illegible]1		400SF,600SF	BOILER AND PIPE INSULATION	01/19/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION [illegible] [illegible]6	TERMINAL 3	215.[illegible]		770SF,700LF	BOILER AND PIPE INSULATION	[illegible]16/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-[illegible]4	TERMINAL 1A, MER	215.[illegible]1		3[illegible]0LF	PIPE INSULATION	[illegible]15/93	0		P	TO ALLOW FOR KIAC MODIFICATION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-155	OLD CONTROL TOWER-MER	215.591		70LF	PIPE INSULATION	04/26/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB-050	IAB CRAWL SPACE	215.591		1800 SF, 300LF	BOILER AND PIPE INSULATION	04/19/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-049	CHRP VALVE PIT	215.591		800LF	PIPE INSULATION	04/26/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB	2ND FLOOR CORRIDOR,WEST WING,CTR TERMINAL & DUTY FREE	215.592	JFK-215.550	225SF	ACOUSTICAL PLASTER CEILING	03/31/93	0	PLANNING	P	RENOVATION
1	AVIATION JFK JFK-IAB	BLOOMIES EXPRESS VENDOR AREA	215.593	JFK-215.550	1800 SF	CEILING PLASTER	03/31/93	0	93-COM	P	RENOVATION
1	AVIATION JFK JFK-IAB	[illegible] HANDLING ROOMS	215.594	JFK-215.550	[illegible]0LF	PIPE	[illegible]/93	0	PROGRESS	P	O&M - REPAIR OF DAMAGED CONDEN LINES IN 16 ROOMS
[illegible]	AVIATION JFK JFK-HANG R-05	[illegible] OFFICE	[illegible]	JFK-21[illegible].550	[illegible]SF	[illegible]	[illegible]/93	0	[illegible]	P	RENOVATION
1	AVIATION JFK JFK-110	BOILER ROOM	215.[illegible]6	JFK-21[illegible].550	[illegible]SF/200LF/30/ 75LF	BOILER/PIPE/FI TTINGS/DUCT	03/15/93	0	PLANNING	[illegible]	O&M - REHABI[illegible] [illegible]ERIOR BOILER,TANK & ASSOCIATED PIPIN

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-014	OFFICES AND HANGAR	215.597	JFK-215.550	6000SF		07/12/93	0		P	BUILDING RENOVATION
1	AVIATION JFK JFK-014	JAPAN AIRLINES BUILDING	215.598	JFK-215.550	21000SF, 6000SF	ROOF	05/05/93	0		P	
1	AVIATION JFK JFK-053	DELTA - PHASE B, MER	215.601	JFK-215.600	200SF,400SF	BOILER, PIPE	04/22/93	0	93-COM	P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-053	MER, DELTA-PHASE C	215.602	JFK-215.600	160 LF	PIPE INSULATION	/ /	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB-052	UTILITY ROOM #5	215.603	JFK-215.600	60LF	PIPE INSULATION	07/14/92	0	93-COM	P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB-051	MER- UTILITY ROOM #6	215.604	JFK-215.600	200LF, 60LF	BOILER INSULATION, PIPE	07/21/92	0	93-COM	P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB-051	MER- UTILITY ROOM# 28	215.605	JFK-215.600	75LF	PIPE INSULATION	05/18/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB-052	EAST AND WEST CUSTOMS	215.606	JFK-215.600	300LF	PIPE INSULATION	05/26/93	0		P	TO ALLOW FOR KIAC MODIFICATION

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Est_start	Progress	Status	Job_Type	Reason
[redacted]											
1	AVIATION JFK JFK-054	BELOW GRADE PIPING AT BUILDING EXTERIOR	215.609	JFK-215.600	60LF	PIPE INSULATION	/ /	0		P	TO ALLOW FOR KIAC MODIFICATION
[redacted]											

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Amt	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-058	TWA [illegible]- BELOW GRADE PIPING AT BUILDING EXTERIOR	215.614	JFK-215.600	60 LF	PIPE INSULATION	06/21/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-059	BRITISH AIRWAYS- BELOW GRADE PIPING AT BUILDING EXTERIOR	215.615	JFK-215.600	60LF	PIPE INSULATION	08/02/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-057	AMERICAN AIRLINES	215.616	JFK-215.600	375SF, 30LF	FIREPROOFING, PIPE INSULATION	07/05/93	0		P	TO ALLOW FOR KIAC MODIFICATION
1	AVIATION JFK JFK-IAB	EAST WING SOFFIT AREAS	215.617	JFK-215.590	100 SPOT REMOVAL APPROXIMATELY 600SF		09/24/93	0		P	REPLACEMENT OF EXISTING SPRINK
1	AVIATION JFK JFK-IAB'	[illegible]S LOCATIONS IN CEILING	21[illegible]	JFK-215.550	800LF,[illegible]5LF	PIPE INSULATION/FIT TINGS	/ /	0		P	RE[illegible]LACEMENT OF CHILLED AND HOT
1	AVIATION JFK JFK-IAB-050	[illegible]S NOS 1,2,9,10	21[illegible]	JFK-215.550	800LF, [illegible]LF		[illegible]/[illegible]/[illegible]3	0		P	[illegible] OF CHILLED AND HOT
[illegible]	[illegible]IATION JFK JFK-141	[illegible]G AREA ABOVE CEILING	21[illegible]	JFK-215.550	75LF, [illegible]LF	PIPE INSULATION/FIT TING	/ /	0		P	[illegible]ION

Ct	Dept Facility Building	Area	Jobnum	Centrum Work #	Est_Quant	Project	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB	MER	215.621	JFK 215.550	1200SF,#30	CLEANUP/REPAIR ; PIPE FITTINGS	07/19/93	0		P	MECHANICAL TIE-INS
1	AVIATION JFK JFK-VARIOUS AREAS IN MER	BLDGS-40,53,54 ,58,57,60,IAB	215.622	JFK-215.550	MISC		07/19/93	0		P	COGEN PROJECT -MISC REMOVALS, AND/OR CLEANUPS
1	AVIATION JFK JFK-IAB-050	WEST WING CORRIDOR NEXT TO DUTY FREE SHOP	215.623	JFK-215.550	650SF	ACOUSTICAL CEILING	10/29/93	0		P	CEILING IS WATER DAMAGE AND HA
1	AVIATION JFK JFK-VARIOUS IN TERMINALS	VARIOUS LOCATIONS IN TERMINAL BUILDINGS	215.624	JFK-215.550	TO BE DETERMINED		09/27/93	0		P	JFK REDEVOLOPMENT PROJECT: MIS REMOVALS AND OR REPAIRS
1	AVIATION JFK JFK VARIOUS AREAS IN MER		215.625	JFK 215.550	TO BE DETERMINED		09/27/93	0		P	COGEN PROJECT PHASEII- REMOVAL AND/ OR CLEAN UPS
1	AVIATION JFK JFK-G49	G49	215.[illegible]5	JFK [illegible]	[illegible] LF	TRA[illegible] IN[illegible] DUCT BANK	09/27/93	0		P	MECHANICAL SYSTEM RENOVATION-J
[illegible]	AVIATION JFK JFK-IAB	[illegible] M 5 & 6	215.[illegible]6	JFK [illegible]	100LF,25LF	PIPE INSTALLATION	/ /	0		P	STRUCTURAL INTEGRITY IN STRUCTURE

Ct	Dept Facility Building	Area	Job[illegible]	Continuum Work #	[illegible]	Pr[illegible]ct	E[illegible]start	[illegible]gress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB	EAST [illegible] CAN[illegible]IES	215.[illegible]7	JFK-215.550	3 [illegible]TCHES IN [illegible] CANOPIES	ACCESS INTO CE[illegible]T PLASTER CEILINGS	/ /	0		P	STRUCTURAL INTEGRITY INSPECTIO
1	AVIATION JFK JFK-038	BOI[illegible], [illegible]ER AND [illegible]R HANDLING R[illegible]MS	215.[illegible]8	JFK-215.590	1 [illegible]SF, [illegible],110 LF	CLE[illegible]UP, BOI[illegible]R, PIPE INSULATION	11/2[illegible]/93	0		P	MAINTE[illegible]ANCE [illegible]S
1	AVIATION JFK JFK-269	BOI[illegible]R [illegible]D SUPPLY ROOM	215.[illegible]29	JFK-215.590	[illegible]F 15SF, 80LF	CLE[illegible]UP/REPAIR , BOILER, PIPE	11/2[illegible]/93	0			MAINTENANCE OF EQUIPMENT
1	AVIATION JFK JFK-049	CHRP	215.630	JFK-215.590	650LF	PIPE INSULATION	11/29/93	0		P	COGEN PROJECT
1	AVIATION JFK JFK-209	BOILER ROOM	215.631	JFK-215.590	120SF,35LF	BOILER INSULATION	01/19/94	0		P	EQUIPMENT REPAIRS
1	[illegible]VIATION JFK JFK-JAPAN AIRLINES	1ST [illegible]R	215.632	JFK-[illegible]5.590		TRA[illegible]ITE	/ /	0		P	BUILDING REN[illegible]TION
[illegible]	[illegible]VIATION JFK JFK-141	[illegible] LAY-IN TILE CEILING	215.[illegible]	JFK-[illegible]5.590	[illegible] F[illegible]S		[illegible]	0		[illegible]	ACCESS [illegible] OF MECH EQUIPMENT AB[illegible] CEILING
[illegible]	[illegible]VIATION JFK JFK-178	[illegible] HANDLING R[illegible]MS	215.[illegible]4	JFK-[illegible]	[illegible]	PIPE, BOILER INSULATION	[illegible]	0		P	MAINTE[illegible]ANCE [illegible]

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Intstart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB	LOUNGE AND OFFICE AREAS	215.635	JFK-215.590		CEILING PLASTER	02/04/94	0			CONDITION SURVEY INSPECTIO OF C STRUCTURAL INTEGRITY
1	AVIATION JFK JFK-IAB		215.636	JFK-215.590		PLASTER CEILING	02/07/94	0		P	PREPARE AREA FOR PAINTING
1	AVIATION JFK JFK-IAB	PLASTER CEILINGS THROUGHOUT BLDG.	215.637	JFK-215.590	8000SF	CEILING PATCHES	02/07/94	0		P	DELAMINATED CLGS/REPAIR AND RE W/NON-ACM
1	AVIATION JFK JFK-059	BRITISH AIRWAYS	215.965	Y-5654	15SF	FP	/ /	0		TP	IRC
1	AVIATION JFK JFK-053	PAN AM INT'L RETAIL SHOP	215.966	Y-5813	200SF/25LF	FP/PIPE	/ /	0		TP	RENOVATION
1	AVIATION JFK JFK-057	AM[illegible]R TE[illegible]INAL MAIN LO[illegible]BY SHOPS	215.967	[illegible]Y 5[illegible]3	400SF	FP	/ /	0		TP	RENOVATION
[illegible]	AVIATION JFK JFK-053	P[illegible]ST & WEST DELI	[illegible]	Y [illegible]4	1000SF	FP	[illegible]	0	[illegible]	TP	[illegible]
1	AVIATION JFK JFK-PAN AM TERM	P[illegible] WALKWAY BRIDGE	[illegible]	Y [illegible]A	2000SF	FP	[illegible]	0	[illegible]	TP	[illegible]

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-IAB	LUFTANSA 1ST & 2ND FLS.	215.970	Y-5808	588SSF/600SF	FP	/ /	0		TP	RENOVATION
1	AVIATION JFK JFK-056	NORTH WEST AIRLINES AREA IN UNITED AIRLINES TERMINAL	215.971	Y-5966		FP	/ /	0		TP	RENOVATION
1	AVIATION JFK JFK-059	IAB BRITISH AIRWAYS LOUNGE & BAGGAGE AREAS	215.972	Y-5491B		FP	/ /	0		TP	RENOVATION
1	AVIATION JFK JFK-PAN AM TERM	PAN AM TERMINAL-WESTERN SHOP	215.973	Y-5755	1680SF	FP	01/01/01	0		TP	RENOVATION
1	AVIATION JFK JFK-081	DHL OFFICE & WAREHOUSE AREAS	215.974	Y-5735		PIPE/DUCT	01/01/01	0		TP	RENOVATION
1	AVIATION JFK JFK-049	HEATING WING - HW GENERATORS#2,3,4,5,6 AND WRECKAGE OF BOILER #4	215.981	JFK-519	70LF/175OSF	PIPE INSULATION/BOILER INSULATION, HEADER CASING,STACK AND BREECHING INSULATION	01/01/01	75900	87 COM	P	EXPLOSION OF BOILER REQUIRED R OLD BOILER WITH NEW

Ct	Dept Facility Building	Area	Jobnum	Contnum Work #	Est_Quant	Product	Eststart	Progress	Status	Job_Type	Reason
1	AVIATION JFK JFK-049	HEATING WING-PIPE INSULATION ASSOCIATED WITH BOILERS #1,#2,#3,#4 AND RELATED EQUIPMENT	215.985	EXD-100.367 JFK-003	367LF	PIPE INSULATION -CLEANUP	01/01/01	36028	87-COM	DCU	EMERGENCY - BOILER EXPLOSION
1	AVIATION JFK JFK-IAB-050	WEST WING-CRAWL SPACE, CEILING AND 2ND FLOOR MER	215.936	EXD-100.367 JFK-001	0 LF/0 LF	PIPE/DUCT	01/01/01	31789	87-COM	P	RENOVATION-IAB INTERIM IMPROVE
1	AVIATION JFK JFK-053	PAN AM, OLD TEXAS LOUNGE-COUNTERS AND CONVEYORS	215.987	Y-5981	200LF	PIPE	06/13/88	0	88-COM	TP	O&M RENOVATION AND ALTERATION COUNTER & CONVEYORS
1	AVIATION JFK JFK-069	HUDSON GENERAL	215.988	Y-5855	40000SF	FP	01/01/01	1146322	88-COM	TP	RENOVATION - ENTIRE BLDG.
1	AVIATION JFK JFK-IAB-050	IAB, EAST WING GLO[illegible] SHO[illegible]	215.991	EXD-100.367 JFK-002	2,695SF	ACOUSTICAL PLASTER	01/01/01	101452	87-COM	P	RENOVATION - ALTERATION OF ARE[illegible] TEN[illegible] OCCUPANC[illegible]
1	AVIATION JFK JFK-049	ZONE 4-HIGH TEMPERATURE HOT WATER PIPES WHICH RUN FROM BLDG 49 TO TWA TERMINALS	215.993	JFK-474	1,000LF	PIPE INSULATION	01/01/01	65000	85-COM	P	O&M-REHABILITATION OF PIPES

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1	JFK-053	800SF	FP	Y-5956 215.016	11/07/88	RENOVATION - ALTERATION OF SPACE TO ACCOMODATE NEW RETAIL SHOP
1	JFK-053	530SF	FP	Y-6039 215.022	10/10/88	RENOVATION OF SPACE FOR NEW RETAIL SHOP
1	JFK-053		FP	Y-6062A 215.048	02/17/89	RENOVATION
1	JFK-053		PIPE/FITTINGS/F P	Y-6074A 215.052	05/12/89	RENOVATION
1	JFK-053		FP	Y-6068A 215.062	05/08/89	RENOVATION
1	JFK-053		FP	Y-6112 215.063	05/26/89	RENOVATION
1	JFK-053		FP	Y-6123A 215.071	05/31/90	RENOVATION OF GATE AREA
1	JFK-053		FP	Y-6110A 215.072	07/21/89	RENOVATION OF SUPPLEMENTAL AIR CONDITIONING SYSTEM
1	JFK-053		FP	Y-6142A 215.076	10/14/89	REPAIR
1	JFK-053		FP	Y-6061B 215.087	02/08/90	RENOVATION
1	JFK-053		FP	Y-6256A 215.125	05/17/90	RENOVATION
1	JFK-053		PIPE/DUCT/FP	Y-6263A 215.147	11/20/90	RENOVATION
1	JFK-053		FP	Y-6522A 215.218	08/01/92	RENOVATION
1	JFK-053		FP	Y-6529A 215.222	09/02/92	RENOVATION
1	JFK-053	3300SF/4200SF	VAT/FP	Y-6533A 215.223	09/17/92	RENOVATION
1	JFK-053	500SF/5700SF	VAT/FP	Y-6566A 215.252	01/27/93	RENOVATION

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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
[redacted]						
1	JFK-053,054		FP	Y-6514A 215.215	08/03/92	RENOVATION
1	JFK-053,054		FP	Y-6809A 215.452	07/01/95	RENOVATION
1	JFK-054		VAT/TRANSITE/FP /PIPING/PIPE ELBOWS	Y-6565A 215.273	07/12/93	RENOVATION
1	JFK-054		FP	Y-6565.06A 215.434	12/01/94	RENOVATION
1	JFK-054	264SF	FP	Y-6757A 215.438	03/15/95	RENOVATION
1	JFK-054	440SF	FP	Y-6565.03A 215.439	02/27/95	RENOVATION
[redacted]						

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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-055	2900LF/3620/27400/16400SF/8700SF/16240SF/1500/105000	PIPE INSULATION/PIPE FITTINGS/FP/TRANSITE/VAT/AP/FIREBLANKET/ROOFING	Y-6666 215.287	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	300LF/800#/47000SF/16240SF	PIPE INSULATON/ PIPE FITTINGS/ VAT/ AP	Y-6666A 215.287A	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	600LF/1400/21000SF/400SF/900SF/1800SF/1500SF	PIPE INSULATION/ FITTINGS/ DUCT INSULATION/ FP/ TRANSITE/ VAT/ FIREBLANKET	Y-6666B 215.287B	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	27000SF/150LF/8000SF/1000SF/70#/45000SF	FP/PIPE INSULATION/TRANSITE/ VAT/ PIPE FITTING/ ROOF	Y-6666E 215.287E	10/11/94	DEMOLITION OF BUILDING #55
1	JFK-055	25SF/9800SF	AP/CLEANUP	EXD-100.374 215.301	01/04/90	EMERGENCY CONDITION
1	JFK-055	2000SF	AP	EXD-100.374 215.304	03/07/90	EMERGENCY CONDITION
1	JFK-055	450SF	AP	JFK-215.590 215.367	03/08/94	IRC - 100 SF OF AP FELL FROM A CANOPY DUE TO A WATER LEAK IN THE ROOF; 400-500SF OF AP REMAINED SATURATED AND NEEDS TO BE REMOVED AS WELL
1	JFK-056,057		AP	Y-6480B 215.248	02/25/93	RENOVATION
1	JFK-056,057		FP	Y-6480C 215.249	01/20/93	RENOVATION
1	JFK-057		FP/F-TILE	Y-5941B 215.018	08/11/88	RENOVATION AND ALTERATION OF TENANT SPACE.
1	JFK-057		FP	Y-6088A 215.058	04/12/89	RENOVATION
1	JFK-057		FP/CLEANUP	Y-5964A 215.073	07/24/89	RENOVATION

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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-057		FP	Y-6060B 215.080	09/25/89	RENOVATION
1	JFK-057		PIPE/FP	Y-6060C 215.081	10/16/89	RENOVATION
1	JFK-057		VAT/PIPE ELBOWS/FP	Y-6060D 215.082	01/15/90	RENOVATION/DEMOLITION
1	JFK-057		PIPE ELBOWS/FP/TRANS ITE	Y-6060E 215.102	03/01/90	DEMOLITION/RENOVATION
1	JFK-057		FP	Y-6060F 215.118	06/04/90	RENOVATION
1	JFK-057		FP	Y-6060I 215.120	06/04/90	RENOVATION
1	JFK-057		FP	G-6060J 215.128	07/01/90	RENOVATION
1	JFK-057		FP	Y-6060K 215.129	08/01/90	RENOVATION
1	JFK-057		FP	Y-6060L 215.130	08/03/90	RENOVATION
1	JFK-057		FP	Y-6060M 215.133	08/15/90	RENOVATION
1	JFK-057		FP	Y-6337A 215.164	03/01/91	RENOVATION
1	JFK-057		AP	Y-6060N 215.168	04/29/91	RENOVATION
1	JFK-057		FP	Y-6060P 215.169	06/03/91	RENOVATION
1	JFK-057		FP	Y-6422A 215.178	09/16/91	RENOVATION
1	JFK-057		ELBOWS/FP	Y-6465A 215.197	04/02/92	RENOVATION
1	JFK-057		AP	Y-6480F 215.289	12/06/93	RENOVATION

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1	JFK-057		FP	Y-6480.07A 215.414	07/15/94	RENOVATION
1	JFK-057	2703SF	FP	Y-6480.07B 215.417	09/01/94	RENOVATION
1	JFK-057		FP	Y-6480.07C 215.443	03/20/95	RENOVATION
1	JFK-057	3840SF	FP	JFK-215.550 215.551	06/14/90	STRUCTUAL INTEGRITY INSPECTIONS
1	JFK-057		FP	Y-5823 215.967	05/04/87	RENOVATION
1	JFK-058-HANG AR-08	48SF-ABATED/720 SF CLEANED/192SF CLEANED	AP	JFK-215.500 215.509	12/01/89	O&M PREPARATION FOR INTEGRITY INSPECTION
1	JFK-060	8SF	AP	Y-6299 215.139	09/05/90	IRC CONDITION AS DETERMINED BY AMCD
1	JFK-060		AP	Y-6432B 215.407	07/01/94	RENOVATION
1	JFK-060-HANG AR-12		AP	Y-6632A 215.284	11/11/93	RENOVATION
1	JFK-067		FP	Y-6156A 215.089	11/17/89	** RENOVATION
1	JFK-067	7730SF	FP	Y-6529A 215.245	06/18/94	RENOVATION
1	JFK-067		FP/VAT	Y-6725A 215.427	02/05/95	RENOVATION
1	JFK-067		FP	JFK-215.550 215.557	07/23/90	** STRUCTUAL INTEGRITY INSPECTION
1	JFK-067		FP FALLOUT	JFK-215.550 215.564	10/11/91	** IRC
1	JFK-069		FP	Y-5855 215.988	09/25/87	RENOVATION - ENTIRE BLDG.
1	JFK-081	6480SF	AP	JFK-215.550 215.321	10/18/91	EMERGENCY CONDITION

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Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-081,082	16000SF/ 3208LF/ 458/ 155SF/ 5000SF/ 19400SF	FP/ PIPE/ FITTINGS/ BREECHING/ WALL PLASTER/ GALBESTOS	JFK-215.047 215.047	10/19/89	** DEMOLITION - ENTIRE BLDG. #81 & PART OF BLDG. #82
1	JFK-146	256SF	FP	JFK-215.550 215.554	07/23/90	STRUCTUAL INTEGRITY REPORT
1	JFK-178	256SF	FP/DEBRIS	JFK-215.500 215.514	04/08/90	O&M - PREPARATION FOR INTEGRITY INSPECTION
1	JFK-178	4,323SF (4TH FLOOR)/210SF (BASEMENT) TOTAL 4,533SF	FP	JFK-110.057 215.994	02/17/87	RENOVATION - ALTERATION OF SPACE FOR NEW TENANT
1	JFK-213	12368SF/9276SF/ 412LF	FP/DUCT INSULATION/PIPE INSULATION	Y-6517A 215.216	06/07/93	RENOVATION
1	JFK-213		FP	Y-6517B 215.272	05/12/93	RENOVATION
1	JFK-213	320SF	FP	JFK-215.550 215.555	07/23/90	STRUCTUAL INTEGRITY INSPECTION
1	JFK-IAB		WRAP & CLEAN-UP	JFK-215.550 215.599	05/09/94	
1	JFK-IAB-050		FP	Y-5901 215.009	03/28/88	RENOVATION - ALTERATION OF SPACE TO ACCOMODATE NEW RETAIL SHOPS
1	JFK-IAB-050	1755SF	AP	JFK-215.500 215.035	11/26/88	RENOVATION OF CUSTOMS HALL FOR NEW TENANT LOUNGE
1	JFK-IAB-050	8SF	AP	JFK-215.550 215.317	06/05/91	EMERGENCY CONDITION
1	JFK-IAB-050	10 CU YDS	FP - FALLOUT	JFK-215.500 215.516	11/16/89	IRC - DISPOSAL OF ACM FALLOUT 10 BAGS
1	JFK-IAB-050	18SF	AP	JFK-215.500 215.518	05/15/90	O&M
1	JFK-IAB-050	600SF	AP	JFK-215.500 215.535	09/13/90	RENOVATION - INSTALLATION OF SECURITY SYSTEM

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1	JFK-IAB-050		AP	JFK-215.500 215.536	10/16/90	EMERGENCY CONDITION
1	JFK-IAB-050	2,695SF	AP	EXD-100.367 215.991	08/01/87	RENOVATION - ALTERATION OF AREA FOR NEW TENANT OCCUPANCY
1	JFK-IAB-050, 051,052		PIPE INSULATION/WRAP	JFK-215.550 215.338	06/05/92	EMERGENCY CONDITION
1	JFK-IAB-050, 051,052		AP	JFK-215.590 215.369	05/13/94	EMERGENCY CONDITION
1	JFK-IAB-050, 051,052		AP/PIPE FITTINGS	JFK-215.550 215.573	02/24/92	RENOVATION
1	JFK-IAB-050, 052		AP	JFK-215.550 215.359	06/25/93	EMERGENCY CONDITION
1	JFK-IAB-051	2500SF	AP	Y-6169A 215.088	01/29/90	RENOVATION OF PUBLIC WAITING
1	JFK-IAB-051		AP	Y-6152A 215.109	03/19/90	RENOVATION
1	JFK-IAB-051		AP	Y-6153A 215.110	03/19/90	RENOVATION
1	JFK-IAB-051	2413SF	AP	Y-6286A 215.134	08/15/90	RENOVATION
1	JFK-IAB-051	40,000SF	AP	Y-6191A 215.142	10/15/90	RENOVATION
1	JFK-IAB-051		AP	Y-6191A 215.142	10/15/90	RENOVATION
1	JFK-IAB-051	APPROX. 8SF	AP	JFK-215.550 215.333	05/14/92	IRC - CLEAN UP PERFORMED DUE TO WATER DAMAGE
1	JFK-IAB-051	480SF	AP	Y-6717A 215.436	12/19/94	RENOVATION
1	JFK-IAB-051	2600SF	AP	JFK-215.500 215.533	08/07/90	RENOVATION - SHOP ALTERATIONS
1	JFK-IAB-051	750SF/20LF	AP	JFK-215.550 215.580	10/05/94	RENOVATION - EXPANSION OF RESTROOMS
1	JFK-IAB-051	730SF	AP	JFK-215.550 215.582	11/29/93	RENOVATION

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Date:08/13/96

AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-IAB-051	1800SF	AP	JFK-215.550 215.593	03/31/93	VENDING AREA TO BE DEMOLISHED
1	JFK-IAB-051	50SF	AP	JFK-215.690 215.678	11/23/95	INSTALLATION OF ALARM SYSTEM
1	JFK-IAB-051, 052	NO ACM REMOVED	AP	JFK-215.590 215.636	02/07/94	CLEANING AND PREPARING CEILING FOR PAINTING
1	JFK-IAB-051, 052	500SF	AP	JFK-215.590 215.653	10/27/94	REPAIR OF DAMAGED ACOUSTICAL PLASTER CEILINGS - INTERIM IMPROVEMENT PROGRAM
1	JFK-IAB-052	2000SF	AP	EXD-100.374 215.312	02/11/91	EMERGENCY CONDITION
1	JFK-IAB-052		AP	EXD-100.374 215.314	02/25/91	EMERGENCY CONDITION
1	JFK-IAB-052	66SF	AP	EXD-100.374 215.315	04/02/91	EMERGENCY CONDITION
1	JFK-IAB-052	2000SF	AP	EXD-100.374 215.316	05/16/91	EMERGENCY CONDITION
1	JFK-IAB-052		AP	JFK-215.550 215.357	06/21/93	EMERGENCY CONDITION
1	JFK-IAB-052	110SF	AP	JFK-215.590 215.373	01/10/95	IRC
1	JFK-IAB-052	150SF	AP	JFK-215.590 215.374	01/16/95	IRC
1	JFK-IAB-052	260SF	AP	JFK-215.500 215.534	08/07/90	RENOVATION - SHOP ALTERATIONS
1	JFK-IAB-052	640SF	AP	JFK-215.550 215.579	01/19/93	RENOVATION
1	JFK-IAB-052	1890SF/50LF	AP	JFK-215.550 215.581	07/01/92	RENOVATION
1	JFK-IAB-052	500SF	AP	JFK-215.550 215.589	03/31/93	RENOVATION
1	JFK-IAB-052	380SF	AP	JFK-215.550 215.592	11/08/93	RENOVATION

PORT AUTHORITY & TENANT
ASBESTOS ABATEMENT PROJECTS

Date:08/13/96
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AP=ACOUSTICAL PLASTER
FP=FIREPROOFING

Ct	Building	Bestquant	Product	Contnum Jobnum	Start Date	Reason
1	JFK-IAB-052		AP	JFK-215.590 215.617	01/05/94	REPLACEMENT OF EXISTING SPRINKLER HEADS
1	JFK-VARIOUS BUILDINGS		AP	JFK-215.550 215.569	01/31/92	RENOVATION - INSTALLATION OF DOMETIC HOT WATER HEATERS
1	JFK-VARIOUS BUILDINGS		FP	JFK-215.550 215.622	07/19/93	COGEN PROJECT -MISC REMOVALS, REPAIRS, AND/OR CLEANUPS

Total
126

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EDP 007570

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	TWO DUTY FREE RETAIL STORES	JFK-IAB-050	600SF		215.009		Y-5901	TAA	88-COM	FP	DSI	85000	85000
1	AVIATION	JFK	PAN-AM-DUTY FREE SHOP, INTERNATIONA L SHOPPERS IS PRESENT TENANT	JFK-053	800SF		215.016		Y-5956	TAA	88-COM	FP	ENVIRO SAFE CORP.	40000	40000
1	AVIATION	JFK	AMERICAN AIRLINES, GATES 4, 6, AND 14-LOADING BRIDGES	JFK-057	830SF/320SF		215.018		Y-5941B	TAA	88-COM	FP/F-TILE	NAACO	85000	85000
1	AVIATION	JFK	IAB-PAKISTAN AIRLINES	JFK-IAB-052	300LF		215.020		Y-5962	TAA	89-COM	PIPE	KURZBAN	10000	10000
1	AVIATION	JFK	TWA TERMINAL	JFK-058,060	300SF		215.021		Y-6008	TAA	88-COM	ASBESTOS CLOTH	R LARSON	10000	10000
1	AVIATION	JFK	CONCOURSE LEVEL, PAN-AM WORLD PORT-HUDSONS ' SHOP	JFK-053	530SF		215.022		Y-6039	TAA	88-COM	FP	ENVIRO SAFE	30000	30000

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EDP 007571

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	1ST FLOOR, DHL AIRWAYS-WARE HOUSE	JFK-179	770LF		215.028		Y-5878	TAA	89-COM	PIPE	ABS ABATEMENT, INC.	15000	15000
1	AVIATION	JFK	CATHOLIC CHAPEL-ROOF,RESTROOMS,MER,LOCATIONS BENEATH SLAB	JFK-181	9600SF/1110L	1,229LF,310L	215.030		JFK-320.008	MAIN/SUB	89-COM	VAT/PIPE/PIPE FITTINGS/TAR PAPER ROOF MATERIAL	BECOM REAL/NAACO	223000	134965
1	AVIATION	JFK	JEWISH SYNAGOGUE	JFK-182	68LF/46SF/31		215.031		JFK-320.008	MAIN/SUB	89-COM	PIPE/BOILER/DUCT/P-ELBOWS/F-TILES/ACOUSIC PLASTER	BECOM REAL/NAACO	199430	165415
1	AVIATION	JFK	PROTESTANT CHAPEL	JFK-184	332SF/40LF/6	486LF/41SF/8	215.032		JFK-320.008	MAIN/SUB	89-COM	FITTINGS/BOILER/P-ELBOWS/SHINGLES	BECOM REAL/NAACO	5145	269620
1	AVIATION	JFK	21 TRUCK LOADING RACK FILTER SEPARATORS (RACKS 21-34 AND 42-48)	JFK-FUEL	400SF	294SF	215.034		AYA-412	MAIN/SUB	89-COM	MONO BLOCK INSULATION	ODGEN ALLIED/UNIVERSAL CO	25200	24600
1	AVIATION	JFK	EAST WING, CUSTOMS HALL	JFK-IAB-050	6000SF	1755SF	215.035	WO #1	JFK-215.500	CALLIN	89-COM	ACOUS PANELS	OGDEN ALLIED	120000	22282

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EDP 007572

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	UNITED AIRLINES OPERATIONS	JFK-HANGAR-0	170LF/215SF/		215.036		Y-5814A	TAA	88-COM	PIPE/TAR PAPER/CORR SIDING	R LARSON	20000	20000
1	AVIATION	JFK	BRITISH AIRWAYS TERMINAL-CON CORD LOUNGE	JFK-059	50LF		215.038		Y-5935A	TAA	89-COM	PIPE/P-ELB OWS	DKP/HYGIEN ETICS	10000	10000
1	AVIATION	JFK	FORMER CTA AMMACO GAS STATION,MER OF FUTURE CONTROL TOWER	JFK-206	40LF	60LF/ 1	215.044	WO #2	JFK-215.500	CALLIN	88-COM	PIPE AND P-FIT/CONT AMINATED DEBRIS	OGDEN ALLIED	15000	5463
1	AVIATION	JFK	THROUGHOUT INTERIOR OF BOTH BUILDINGS	JFK-081,082	16000SF/3208	13,807SF/325	215.047		JFK-215.047	BID	89-COM	VAT/FP/PIP E/FITTINGS /DUCT/WALL PLASTER/GA LBESTOS/BR EECHING	PC&J	520000	589390
1	AVIATION	JFK	PAN AM WORLDPORT	JFK-053	570SF		215.048		Y-6062A	TAA	PLANNING	FP	APED	0	0
1	AVIATION	JFK	JAPAN AIRLINES WEST CUSTOMS HALL	JFK-IAB-051	40/NOT		215.049		Y-5998A	TAA	89-COM	PIPE ELBOWS/TAR COATED DIFFUSERS	NORTHSHORE	15000	0

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EDP 007573

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	PAN AM WORLD PORT SPECIAL SERVICE AREA	JFK-053	500SF/300LF		215.050		Y-6061A	TAA	89-COM		APED	75000	0
1	AVIATION	JFK	FORTE VISCOUNT HOTELS INT'L	JFK-144	21000SF		215.051		Y-5924A	TAA	90-COM	SURFACING MATERIAL	R&J INSULATION	720000	720000
1	AVIATION	JFK	PAN AM WORLD PORT- AREA D BAGGAGE AND SERVICES ADMIN, BAGGAGE SERVICE OFFICE AND BATHROOMS	JFK-053	62LF/8/15SF		215.052		Y-6074A	TAA	89-COM	PIPE/FITTINGS/FP	APED	6000	0
1	AVIATION	JFK	BRITISH AIRWAYS TERMINAL/US AIR LOCKER ROOM	JFK-059	100		215.053		Y-6090A	TAA	89-COM	PIPE ELBOWS/FITTINGS	APED	24900	0
1	AVIATION	JFK	PARKING LOT 2	JFK-049	120LF		215.056		JFK-744.002	BID	92-COM	PIPE	DKP	8000	8000
1	AVIATION	JFK	UTILITY TUNNEL - BRITISH AIR	JFK-059	745/1230LF/2		215.057		Y-6160A	TAA	89-COM	PIPE FITTINGS/PIPE/TRANSITE/PIPE	DKP	260000	0

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EDP 007574

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
												SADDLES			
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL GATE 16	JFK-057	440SF		215.058		Y-6088A	TAA	89-COM	FP	DKP	55000	0
1	AVIATION	JFK	PAN AM LOADING BRIDGE CANOPIES	JFK-053	1430SF		215.059		Y-6076	TAA	PLANNING	ASBESTOS CLOTH	SETBRIDGE TECH/APED	20625	0
1	AVIATION	JFK	BRITISH AIRWAYS MER	JFK-059	4600SF/700EA		215.060		Y-6000C	TAA	89-COM	FP/PIPE FITTINGS	DKP	176000	0
1	AVIATION	JFK	PAN AM WORLD PORT	JFK-053	850SF		215.062		Y-6068A	TAA	89-COM	FP	APED	37500	0
1	AVIATION	JFK	PAN AM WORLD PORT	JFK-053	20SF		215.063		Y-6112	TAA		FP	APED	3000	0
1	AVIATION	JFK	BRITISH AIR EXTERIOR RAMP AREAS	JFK-059	500LF/16000S		215.064		Y-6000C	TAA	90-COM	PIPE/TRANS ITE	DKP	250000	0
1	AVIATION	JFK	BRITISH AIR MEZZANINE LEVEL	JFK-059	19800SF/5100		215.065		Y-6000D	TAA	90-COM	FP/ACOUSTI CAL PLASTER	APC/OGDEN ALLIED	439400	439400

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PART 1

EDP 007575

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BRITISH AIR ARRIVAL LEVEL	JFK-059	830SF/16000S		215.066		Y-6000E	TAA	90-COM	FP/CEILING ACCOUSTICAL PLASTER	DKP	825000	825000
1	AVIATION	JFK	EAST GALLERY/UNITED TICKET OFFICE	JFK-059	220/750SF		215.067		Y-6000F	TAA	90-COM	PIPE ELBOWS/ACCOUSTICAL CEILING PANELS	DKP	47000	47000
1	AVIATION	JFK	PAN AM TERMINAL SOUTH BLOCK HOUSE	JFK-HANGAR-1	6200SF		215.068		Y-6122A	TAA	90-COM	FP	SEAGULL/PC &J	320000	320000
1	AVIATION	JFK	GATE # 9, PASSENGER WAITING AREA	JFK-053	150SF		215.071		Y-6123A	TAA	89-COM	FP	APED/ATC	15000	0
1	AVIATION	JFK	SOUTH CONCOURSE LEVEL	JFK-053	225SF		215.072		Y-6110A	TAA	PLANNING	FP	APED	35000	0
1	AVIATION	JFK	AREA OF GATES 7,8 AND 10 AND SKYCHIEF STORAGE AREA	JFK-057	4600SF		215.073		Y-5964A	TAA	89-COM	FP/CLEANUP	DKP	334000	0

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PART 1

EDP 007576

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BRITISH AIRWAYS, NORTH GALLERY OF TERMINAL	JFK-059	300 LF		215.075		Y-6000G	TAA	90-COM	PIPE FITTINGS	DKP	100000	0
1	AVIATION	JFK	PAN AM WORLD PORT - TERMINAL EXPANSION - DEPARTURE LEVEL DRIVEWAYS	JFK-053	120SF		215.076		Y-6142A	TAA		FP	APED	24000	0
1	AVIATION	JFK	UNITED AIR HANGAR #4	JFK-HANGAR-0	225LF/25SF		215.077		Y-5814B	TAA	PLANNING	PIPE/ROOFING MATERIAL	CONQUEST CLEANING CORP.	25000	0
1	AVIATION	JFK	UNITED AIRLINES-FORMER FLIGHT KITCHEN	JFK-055	260SF/180LF/		215.079		Y-6160A	TAA	89-COM	VAT/PIPE/FITTINGS/DUCT/ACOUPLAS	KAN KLEAN	170000	0
1	AVIATION	JFK	EXTERIOR OF GATE 4	JFK-057	60SF		215.080		Y-6060B	TAA	89-COM	FP	DKP	52000	0
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL	JFK-057	300LF/3150SF		215.081		Y-6060C	TAA	89-COM	PIPE/FP	KAN KLEAN	186000	0

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EDP 007577

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL - GATES 2&8/EAST PUBLIC BATHROOMS	JFK-057	10SF/4000/85		215.082		Y-6060D	TAA	89-COM	VAT/PIPE ELBOWS/FP	DKP	430000	0
1	AVIATION	JFK	PAN AM - EAST CUSTOMS AREA	JFK-053	6700SF		215.087		Y-6061B	TAA		FP	ASBESTOS CARTING	125000	0
1	AVIATION	JFK	AIR LINGUS TENANT AREA EAST WING 3RD FLOOR LOUNGE	JFK-IAB-051	2550SF		215.088		Y-6169A	TAA	90-COM	ACOUSTICAL PLASTER SUSPENDED CEILING	NORTHSHORE	90000	90000
1	AVIATION	JFK	NORTHWEST SECTION PAN AM CARGO AREA	JFK-067	4000SF		215.089		Y-6156A	TAA		FP	INTL ASBESTOS REMOVAL	285000	0
1	AVIATION	JFK	PAN AM JET CTR MEZZO LEVEL	JFK-208	3500SF		215.097		Y-6178A	TAA	89-OCM	FP	APED	130000	0
1	AVIATION	JFK	UNDERGROUND RICKWELL PIPE	JFK-049	150LF	150LF	215.098		JFK-575	MAIN/SUB		PIPE	BH MOTTO/DOBRIC	18000	11107

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PART 1

EDP 007578

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIRLINES AIRBRIDGE CANOPIES	JFK-057	2450SF		215.099		Y-6202	TAA	90-COM	FIRE BLANKETS	R LARSON	20000	0
1	AVIATION	JFK	EASTERN AIRLINE EXTERIOR CANOPY UNDERSIDE CEILING ABOVE DEPARTURES ROADWAY	JFK-055	8000SF		215.100			CALLIN	90-COM	CEMENT PLASTER CEILING	BRANCH	560000	0
1	AVIATION	JFK	AIR FRANCE WEST WING PASSENGER LOBBY	JFK-IAB-052	10LF/8		215.101		Y-6134A	TAA	90-COM	PIPE/PIPE ELBOWS	AMERICAN ASBESTOS	2000	0
1	AVIATION	JFK	AMERICAN AIRLINES GATE 10 CONCOURSE/RA MP LEVEL	JFK-057	28/3000SF/15		215.102		Y-6060E	TAA	90-COM	PIPE ELBOWS/FP/ TRANSITE	DKP	470000	0
1	AVIATION	JFK	MARRIOT INFLIGHT PREP KITCHEN AREA	JFK-139	44000SF/4000		215.104		Y-5759A	TAA	92-COM	CEILING TILES/PIPE /PIPE ELBOWS/DUC T/FP/HOOD	NATIONAL SURFACE CLEANING	640000	0

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EDP 007579

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	PAN AM OUTBOUND CONVEYOR BELT AREA	JFK-054	100SF		215.115		Y-6232A	TAA	ON HOLD	ACCOUSTICAL SPRAYON ON CONCRETE DECKING		4000	0
[redacted]															

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PART 1

EDP 007580

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIRLINES AIRCRAFT MAINTENANCE AREA	JFK-057	5700SF		215.118		Y-6060F	TAA	90-COM	FP	KAN KLEAN	375000	0
1	AVIATION	JFK	AMERICAN AIRLINES FLAGSHIP LOUNGE	JFK-057	1500SF		215.119		Y-6060H	TAA	ON-HOLD	FP	DKP	327000	0
1	AVIATION	JFK	AMERICAN AIRLINES SERVICE GARAGE RAMP GATE 2	JFK-057	4800SF		215.120		Y-6060I	TAA	90-COM	FP	HESCO	220000	0
1	AVIATION	JFK	UNITED AIRLINES AIR CONDITIONING & BOILER ROOMS	JFK-HANGAR-0	1600LF/200/1		215.121		Y-6248A	TAA	90-COM	PIPE/ELBOWS/DUCT	APED/H.E.L.P.	116000	0
1	AVIATION	JFK	PAN AM CARGO BLDG	JFK-067	23500SF		215.122		Y-6251A	TAA	ON HOLD	FP	ADVATEX/ATC	625000	0
1	AVIATION	JFK	TWA DINING & COMMISSARY UNIT	JFK-183	75		215.123		Y-6246A	TAA	90-COM	ELBOWS/FITTINGS	DKP	12000	0

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EDP 007581

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	PAN AM CONCOURSE LEVEL REFUGEE LOUNGE	JFK-053	300SF		215.125		Y-6256A	TAA	90-COM	FP	ADVATEX/ATC	25000	0
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL	JFK-057	5000SF		215.128		G-6060J	TAA	90-COM	FP	DKP	250000	0
1	AVIATION	JFK	AMERICAN AIRLINES FEDERAL INSPECTION AREA & CONNECTING RESTROOMS	JFK-057	4600SF		215.129		Y-6060K	TAA	90-COM	FP	ADVATEX	141000	0
1	AVIATION	JFK	GATE 14	JFK-057	450SF		215.130		Y-6060L	TAA	90-COM	FP	DKP	20000	0
1	AVIATION	JFK	JAPAN AIR MGMT	JFK-014	1700SF/610LF		215.131		Y-6184	TAA	91-COM	FP/PIPE/ELBOWS/DUCT/BREECHING/CABLE	DKP	850000	850000
1	AVIATION	JFK	AMERICAN AIRLINES GATE 6 STAIRWAY	JFK-057	1000SF		215.133		Y-6060M	TAA	90-COM	FP	ADVATEX	118000	0

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PART 1

EDP 007582

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	LUFTANSA - 3RD FLOOR DEPARTURE LEVEL	JFK-IAB	2400SF	2413SF	215.134		Y-6286A	TAA	90-COM	ACCOUSTICAL CEILING	ACS	100000	0
1	AVIATION	JFK	AMERICAN AIRLINES GENERAL FORMENS OFFICECORE FLOOR	JFK-HANGAR-1	7800SF/75LF	78LF/7825SF	215.135		Y-6211A	TAA	92-COM	VAT/PIPE	NATIONAL ABATEMENT	121000	0
1	AVIATION	JFK	AMERICA WEST 3RD FLOOR	JFK-055	175SF		215.136		Y-6266A	TAA	90-COM	VAT	DKP	5500	0
1	AVIATION	JFK	BRITISH AIRWAYS	JFK-059	12200		215.137		Y-6000H	TAA	90-COM	ROOF FELT	DKP	128000	0
1	AVIATION	JFK	TWA INTERNATIONAL TERMINAL-CEILING OF MAIN LOBBY AREA	JFK-060	16SF		215.139		Y-6299	TAA		FP	DKP	50000	48932
1	AVIATION	JFK	VARIG BRAZILIAN AIRWAYS	JFK-IAB-051	100SF		215.142		Y-6191A	TAA	90-COM	ACCOUSTICAL PLASTER CEILING	HESCO	6000	0

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PART 1

EDP 007583

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BRITISH AIRWAYS CARGO BLDG	JFK-066	180SF		215.144		Y-6285A	TAA	90-COM	VAT	DKP	25000	0
1	AVIATION	JFK	BOILER ROOM - NY TELEPHONE	JFK-147	50SF/150LF		215.145		Y-6311A	TAA	90-COM	BOILER/PIPE	MBL ENVIRO SPECIALISTS	10000	0
1	AVIATION	JFK	RETAIL SHOP TO BE RENOVATED TO ACCOMODATE MRS FIELDS COOKIES	JFK-053	20LF/26SF/50		215.147		Y-6263A	TAA	90-COM	PIPE/DUCT/FP	DSI	44000	0
1	AVIATION	JFK	HANGAR-14 2ND FL KITCHEN EXHAUST,OFFICE AREA,PENTHOUSE,& 1ST-2ND FL PIPE CHASE	JFK-014	50LF/908/124		215.150		Y-6184A&B	TAA	PROGRESS	PIPE/ELBOWS/DUCT/GASKETS	DKP	130000	0
1	AVIATION	JFK	TWA-BREAKROOM	JFK-060	60		215.152		Y-6329	TAA	91-COM	PIPE ELBOWS	DKP	10000	0
1	AVIATION	JFK	AMERICAN AIRLINES MECHANICAL ROOM #5	JFK-HANGAR-1	300LF/40/16S		215.158		Y-6140A	TAA	91-COM	PIPE/ELBOWS/PUMP INSULATION	ADVATEX	17000	0

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PART 1

EDP 007584

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	OGDEN ALLIED FLIGHT KITCHEN	JFK-110	200LF		215.161		Y-6332A	TAA	91-COM	PIPE	OGDEN ALLIED	10000	0
1	AVIATION	JFK	TRUST HOUSE FORTE TRAVELODGE HOTEL	JFK-144	630SF/350LF		215.163		Y-6347A	TAA	91-COM	BOILER/PIPE	BELAIR	15000	0
1	AVIATION	JFK	AMERICAN AIRLINES WEST FINGER - NEW COCKTAIL AND SNACK BAR	JFK-057	500SF		215.164		Y-6337A	TAA	91-COM	FP	ASBESTOS ABATEMENT	75000	0
1	AVIATION	JFK	FEDERAL EXPRESS	JFK-HANGAR-0	200SF		215.166		Y-6343A	TAA	91-COM	EXTERIOR SIDING COATING AND MASTING	ACS	30000	30000
1	AVIATION	JFK	US POSTAL SERVICE - EXPRESS MAIL FACILITY	JFK-250	17500SF		215.167		Y-6304A	TAA	91-COM	VAT/ROOF	EEC DEMOLITION	80000	80000
1	AVIATION	JFK	AMERICAN AIRLINES MAKE-UP BAGGAGE ROOM	JFK-057	150LF/1200SF		215.168		Y-6060N	TAA	91-COM	PI/ACOUSTICAL INSULATION	DCD	50000	0

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EDP 007585

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	INTERNATIONAL TICKET LOBBY	JFK-057	20SF		215.169		Y-6060P	TAA	91-COM	FP	ADVATEX	30000	0
1	AVIATION	JFK	JAPAN AIR LINES-EAST WING KITCHEN	JFK-014	800SF/3500SF		215.171		Y-6184D	TAA	PROGRESS	FP/MASTIC ADHESIVE		90000	0
1	AVIATION	JFK	EAST,WEST HANGARS,PENT HOUSE,2ND,3RD FLOORS	JFK-014	1096/2200SF	0/2200SF	215.172		Y-6184C	TAA	91-COM	FITTINGS/FP	DKP	335000	335000
1	AVIATION	JFK	NY TELEPHONE AREA	JFK-147	12700SF		215.175		Y-6415A	TAA	91-COM	ACCOUSTICAL CEILING	ATC	160000	0
1	AVIATION	JFK	EAST CONCOURSE	JFK-057	600SF		215.178		Y-6422A	TAA	91-COM	FP	ACS	36000	0
1	AVIATION	JFK	JAPAN AIR - EAST WING KITCHEN	JFK-014	780SF/3500SF		215.179		Y-6184E	TAA	ON HOLD	FP/MASTIC		90000	0
1	AVIATION	JFK	UNITED AIRLINES HVAC SYSTEM MAINTENANCE RENOVATIONS	JFK-HANGAR-0	150		215.180		Y-6428A	TAA	92-COM	PIPE ELBOWS	ACS	58000	0

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PART 1

EDP 007586

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	CANOPIES FOR PASSENGER BOARDING BRIDGES	JFK-053,054	2800SF		215.190		Y-6447A	TAA	92-COM	ACM CLOTH	ABLE	60000	0

[redacted]

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PART 1

EDP 007587

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	DELTA AIRLINES BRIDGE AT GATE 39	JFK-054	1134SF		215.206		Y-6491A	TAA	92-COM	TRANSITE	ABLE	14000	0
[redacted]															

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EDP 007588

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
[redacted]															
1	AVIATION	JFK	DELTA AIRLINES - INTERIOR SIGNAGE & SECURITY PROJECTS	JFK-053,054	150SF		215.215		Y-6514A	TAA	93-COM	FIREPROOFING	GUARANTEED CLEAN AIR	60000	0
[redacted]															

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EDP 007589

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			[redacted]									[redacted]			
[redacted]															
1	AVIATION	JFK	DELTA AIRLINES	JFK-053,054	71310SF		215.221		Y-6526A	TAA	PROGRESS	CEILING		270000	0
[redacted]															

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EDP 007590

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	ROOF	JFK-014	83000SF		215.237		Y-6184J	TAA	93-COM	ROOF	ACS	270000	0
1	AVIATION	JFK	TWA TENANT SPACE	JFK-296	120LF/150SF		215.238		Y-6543A	TAA	PROGRESS	PIPE/DUCT	ACS	17500	0
1	AVIATION	JFK	HANGAR 11	JFK-HANGAR-1	33264SF/660S		215.239		Y-6350A	TAA	93-COM	VAT/BOILER /PIPE/FITT INGS/DUCT/ FP/TRANSIT E/CABLE		350000	0
1	AVIATION	JFK	AMERICAN AIRLINES BAGGAGE CLAIM,BASEME NT & CONCOURSE'D'	JFK-056	42200SF/300L		215.241		Y-6480A	TAA	93-COM	VAT/PIPE/F ITTINGS/TR ANSITE WALL PANELS/PLA STER CEILING	GUARANTEED CLEAN AIR	1700000	0
1	AVIATION	JFK	DELTA AIRLINES - NORTH SHIPPING DOCK AREA	JFK-067	5000SF		215.245		Y-6558A	TAA	PROGRESS	FP	GUARANTEED CLEAN AIR	200000	0
1	AVIATION	JFK	AMERICAN AIRLINES BASEMENT,MAK EUP BAGGAGE AREA	JFK-056,057	5400SF/300LF		215.248		Y-6480B	TAA	93-COM	VAT/PIPE/F ITTINGS/TR ANSITE/CEI LING PLASTER	GUARANTEED CLEAN AIR	480000	0

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EDP 007591

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIR MEZZANINE & DEPARTURE LEVEL	JFK-056,057	1900SF		215.249		Y-6480C	TAA	93-COM	FP	GCA	130000	0
1	AVIATION	JFK	1ST CLASS LOUNGE & CROWN ROOM	JFK-053	140SF/5400SF		215.252		Y-6566A	TAA	PROGRESS	VAT/FP	CST ENVIRONMEN TAL	185000	0
1	AVIATION	JFK	DELTA FLIGHT CENTER, CONCOURSE LEVEL CEILINGS	JFK-086	6700SF		215.253		Y-6434A	TAA	PROGRESS	VAT	GUARANTEED CLEAN AIR	7000	0
1	AVIATION	JFK	FLIGHT CENTER EXPANSION-CO NCOURSE LEVEL	JFK-053	14000SF		215.254		Y-6566.01A	TAA	94-COM	SPRAY ON FP	ACS	455000	0
1	AVIATION	JFK	NIPPON CARGO AIRLINE OFFICE AREAS & COOLING TOWER	JFK-HANGAR-1	10000SF/145L		215.257		Y-6350B	TAA	93-COM	VAT/PIPE/D UCT/TRANSI TE	ATC	70000	0
1	AVIATION	JFK	MER AND 3RD FLOOR HALLWAY	JFK-HANGAR-1	1500SF/770LF		215.258		Y-6350D	TAA	93-COM	VAT/PIPE/F ITTINGS/DU CT/ACCOUST ICAL PLASTER	CST ENVIRONMEN TAL	50000	0

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EDP 007592

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	HVAC SYSTEM - DELTA AIRLINES	JFK-053	580/325SF		215.259		Y-6566.03A	TAA	93-COM	FITTINGS/DUCT	ATC	35000	0
1	AVIATION	JFK	INISDE OPERATIONS OFFICE	JFK-053	3500SF/1500/		215.260		Y-6566B	TAA	93-COM	VAT/FITTINGS/DUCT/FP	ACS	232000	0
1	AVIATION	JFK	CHRP BELOW GRADE CHILLED WATER PIPES AT COOLING TOWERS 61,62, & 63	JFK-061,062,			215.265						D & S RESTORATION	0	0
1	AVIATION	JFK	DELTA AIRLINES; CROWN ROOM	JFK-053	220SF/6745SF		215.267		Y-6566.05A	TAA	93-COM	VAT/FP	GCA	100000	0
1	AVIATION	JFK	AMERICAN AIR	JFK-056	600SF		215.268		Y-6480G	TAA	93-COM	CEILING	GUARANTEED CLEAN AIR	25000	0
1	AVIATION	JFK	NIPPON CARGO, HANGAR 11 PHASE 3	JFK-HANGAR-1	30000SF/1000		215.269		Y-6350C	TAA	93-COM	VAT/BOILER/PIPE/ELBOWS/DUCT/FP/CABLE	CST	120000	0
1	AVIATION	JFK	AMERICAN AIR	JFK-056	100SF/1000		215.270		Y-6480D	TAA	93-COM	VAT/ELBOWS		16100	0

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EDP 007593

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	DELTA AIRLINES, TERMINAL RENOVATIONS; RAMP, GROUND FLOOR, CONCOURSE LEVEL	JFK-054	3900SF/5200S		215.273		Y-6565A	TAA	94-COM	VAT/TRANSITE/FP/PIPING/PIPE ELBOWS	GUARANTEED CLEAN AIR	0	0
[redacted]															

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EDP 007594

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	TWA - FUEL VAULT AND BAGGAGE CLAIM	JFK-060-HANG	325LF/100SF		215.284		Y-6632A	TAA	PROGRESS	PIPE/CEILING PLASTER	ACS	13500	0
1	AVIATION	JFK	AMERICAN AIRLINES - WORK AREA 6	JFK-056	1100SF/200LF		215.285		Y-6480E	TAA	PROGRESS	VAT/ELBOWS /CEILING PLASTER	GUARANTEED CLEAN AIR	175000	0
1	AVIATION	JFK	TERMINAL ONE, ENTIRE BUILDING	JFK-055	79000SF/4800		215.287		Y-6666A-E	TAA	PROGRESS	VAT/PIPE/PIPE ELBOWS/DUCT INSULATION /SPRAY-ON FP/TRANSITE/CEILING PLASTER	CST ENVIRONMENTAL	3400000	0
1	AVIATION	JFK	TERMINAL ONE, UPPER VEHICLE CONCOURSE & THIRD FLOOR	JFK-055	300LF/800LF/		215.287A		Y-6666A	TAA	PROGRESS	PIPE/PIPE ELBOWS/CEILING PLASTER/ANTI VIBRATION HVAC CLOTH	CST ENVIRONMENTAL	378600	0
1	AVIATION	JFK	TERMINAL ONE, FIRST FLOOR & SOUTH FINGER	JFK-055	1800SF/600LF		215.287B		Y-6666B	TAA	PROGRESS	PIPE/PIPE ELBOWS/DUCT INSULATION /SPRAY-ON FP/TRANSITE/FIREBLANKETS	CST ENVIRONMENTAL	106000	0

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EDP 007595

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIRLINES, GATES 4,5,6	JFK-056	79000SF/4800		215.289		Y-6480F	TAA	94-COM	VAT/PIPE/PIPE ELBOWS/DUCT INSULATION /SPRAY-ON FP/TRANSITE/CEILING PLASTER	GUARANTEED CLEAN AIR	344000	0
1	AVIATION	JFK	UNITED AIRLINES, CENTRAL & SOUTH BLOCKHOUSES	JFK-HANGAR-1	10000SF/1500		215.290		Y-6640A	TAA	94-COM	VAT/SPRAY-ON FP	ACS	300000	0
1	AVIATION	JFK	REDEVELOPED ROADWAY NETWORK		1000LF		215.292				PLANNING	PIPE INSULATION	TO BE BID	100000	0
1	AVIATION	JFK	PASSENGER TERMINAL STORES AND AIRLINE GATES	JFK-IAB	9SF		215.293			BID	PLANNING	ACOUSTICAL PLASTER CEILING (FROM 100 LOCATIONS OF 2" DIAMETER OPENINGS)	TO BE BID	50000	0
1	AVIATION	JFK	OGDEN ALLIED FOOD SERVICES SKY DELI	JFK-110	150SF/160LF		215.296		Y-6661A	TAA	PROGRESS	BOILER/PIPE	OGDEN ALLIED ABATEMENT	30[illegible]0	0

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EDP 007596

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	ROOF	JFK-090	1100SF		215.299		A3920.636	BID		ROOF FLASHING	TO BE BID	9900	0
1	AVIATION	JFK	VECHICLE CONCOURSE,BE TWEEN COLUMN LINES 17 & 25	JFK-055	25SF/9,800SF		215.301		EXD-100.374	CALLIN	90-COM	FP/SURFACE AREA CLEANED OF FP FALLOUT	BRANCH	2922	2921
1	AVIATION	JFK	WEST CUSTOMS AREA	JFK-IAB	160LF		215.302		EXD-100.374	CALLIN		PIPE/FITTI NG	BRANCH	3605	3242
1	AVIATION	JFK	EASTERN AIRLINES TERMINAL- 2ND FLOOR	JFK-055			215.303		EXD-100.374	CALLIN	90-COM	FALLOUT	BRANCH	816	570
1	AVIATION	JFK	EASTERN AIRLINES TERMINAL - 2ND FLOOR	JFK-055			215.304		EXD-100.374	CALLIN	90-C0M	ACCOUSTICA L PLASTER CEILING	BRANCH	99306	93408
1	AVIATION	JFK	BOILER ROOM	JFK-080	200SF/900SF		215.306		EXD-100.374	CALLIN	90-COM	BOILER BREECHING/ BOILER DUST FALLOUT	BRANCH	14000	9100
1	AVIATION	JFK	BOILER ROOM	JFK-127	1300SF		215.307		EXD-100.374	CALLIN		BOILER	BRANCH	9000	11500

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			ON 2ND FLOOR												
1	AVIATION	JFK	UNITED AIRLINES UNIT TERMINAL	JFK-056	4SF		215.310		EXD-100.374	CALLIN		CEMENT PLASTER	BRANCH	0	1299
1	AVIATION	JFK	CHRP - BOILER WING	JFK-049	30SF		215.311		EXD-100.374	CALLIN		PIPE	BRANCH	0	5736
1	AVIATION	JFK	IAB - EAST WING, GATE 9 DUTY FREE SHOP	JFK-IAB-052	150SF		215.312		EXD-100.374	CALLIN		SPRAYED ON ACOUSTICAL CEILING PLASTER	BRANCH	0	9080
1	AVIATION	JFK	EAST WING - VICINITY OF COOKIE SHOP	JFK-IAB-052	10SF		215.314		EXD-100.374	CALLIN		PLASTER CEILING	BRANCH	0	1279
1	AVIATION	JFK	VARIOUS LOCATIONS	JFK-IAB-052	8SF		215.315		EXD-100.374	CALLIN		SPRAY ON CEILING PLASTER	BRANCH	25000	9337
1	AVIATION	JFK	IAB-WEST WING	JFK-IAB-052	2000SF		215.316		EXD-100.374	CALLIN		CEILING	BRANCH	29000	25522
1	AVIATION	JFK	IAB-WEST WING	JFK-IAB-050	8SF		215.317		JFK-215.550	CALLIN		CEILING	ACS	4000	5425

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PART 1

EDP 007598

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	WEST WING HOST RESTAURANT	JFK-IAB-050	4SF		215.318		JFK-215.550	CALLIN		ACCOUSTICAL CEILING TILE	ACS	1800	2934
1	AVIATION	JFK	AUXILIARY EXPANSION TANK AREA	JFK-049	60SF		215.320		JFK-215.550	CALLIN		FALLOUT	ACS	4700	3733
1	AVIATION	JFK	CARGO PLAZA ROAD, BY BLDG 81	JFK-081	40CY		215.321		JFK-215.550	CALLIN	91-COM	CEMENT PLASTER CEILING	ACS	14000	12361
1	AVIATION	JFK	PAN AMERICAN TERMINAL - TRANSIT ROOM	JFK-057		25LF/75SF	215.322		JFK-215.550	CALLIN	91-COM	PIPE/FALLOUT	ACS	0	1938
1	AVIATION	JFK	ZONE 1-ALT LINE	JFK-049			215.323		JFK-215.550	CALLIN			ACS	0	7886
1	AVIATION	JFK	PAN AMERICAN LOBBY	JFK-HANGAR-0			215.324		JFK-215.550	CALLIN			ACS	0	4172
1	AVIATION	JFK	TRAILER COMPLEX	JFK-PARKING	10LF		215.325		JFK-215.550	CALLIN	92-COM	CABLE	ACS	8000	6451
1	AVIATION	JFK	PUMP ROOM	JFK-127	15LF; 3 PIPE		215.328		JFK-215.550	CALLIN			ACS	1500	1134

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PART 1

EDP 007599

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BLDG 50/52 IAB @ GATE #9, WEST WING	JFK-IAB-050,	8SF CHRYS.		215.333		JFK-215.550	CALLIN	92-COM	CEILING PLASTER	ACS	1500	1698
1	AVIATION	JFK	MECHANICAL EQUIPMENT ROOM (DELTA UNIT TERMINAL)	JFK-055	60 LF		215.334		JFK-215.550	CALLIN	92-COM	PIPE/FITTING	ACS	7000	0
1	AVIATION	JFK	AREA BEHIND SALT STORAGE SHED	JFK-141	80SF (~30		215.335		JFK-215.550	CALLIN	92-COM	TRANSITE PANELS;ROOFING	ACS	4500	3049
1	AVIATION	JFK	BOILER ROOM /CARGO SERVICE BLDG	JFK-080	30 LF		215.337		JFK-215.550	CALLIN		PIPE INSULATION	ACS	1500	2595
1	AVIATION	JFK	MER #'S 1,2,7,8 AND 11; VARIOUS LOCATIONS IN IAB	JFK-IAB			215.338		JFK-215.550	CALLIN	92-COM	PIPE INSULATION , WRAP	ACS	12000	21876
1	AVIATION	JFK	DELTA TERMINAL, MER	JFK-IAB	340LF		215.340		JFK-215.550	CALLIN	92-COM	PIPE INSULATION	ACS	9000	0

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PART 1

EDP 007600

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BOILER ROOM	JFK-HANGAR-1			215.344		JFK-215.550		92-COM	BOILER/ TANK INSULATION	ACS	35630	0
1	AVIATION	JFK		JFK-HANGAR-1	200SF		215.346		JFK-215.550	CALLIN	92-COM	CEILING PLASTER	ACS	40000	0
1	AVIATION	JFK	BOILER	JFK-127			215.347		JFK-215.550	CALLIN	92-COM	TANK INSULATION	ACS	8900	0
1	AVIATION	JFK	US CUSTOMS BAGGAGE CLAIM AREA,CEILING	JFK-060	25SF		215.348		JFK-215.550	CALLIN	92-COM	CEILING FP	ACS	1200	0
1	AVIATION	JFK	BOILER ROOM	JFK-141	150SF		215.349		JFK-215.550	CALLIN	92-COM	TANK	ACS	20000	0
1	AVIATION	JFK	CH&RP BLDG 49 - TRANSITE	JFK-049			215.353		JFK-215.550	CALLIN			AWT (ACS)	0	0
1	AVIATION	JFK	BLDG 206 - FORMERLY HERTZ OFFICE	JFK-206	130SF		215.354		JFK-215.550	CALLIN	93-COM	ROOFING TAR	AWT (ACS)	2500	0
1	AVIATION	JFK	VIP PARKING	JFK-PARKING	<10SF		215.355		JFK-215.550	CALLIN	93-COM	ASBESTOS	AWT	1500	0

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PART 1

EDP 007601

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	DELTA CUSTOMS AREA-MER BLDG 54	JFK-054	20'X 60'		215.358		JFK-215.550	CALLIN	93-COM	FALLOUT	AWT (ACS)	1500	0
[redacted]															

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PART 1

EDP 007602

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	UPPER LEVEL NORTH; BLOCK HOUSE	JFK-HANGAR-1	100SF		215.362		JFK-215.550	CALLIN	93-COM	SPRAY-ON FALLOUT TO FLOOR	ACS	0	0
1	AVIATION	JFK	CARGO BUILDING: BOILER AND AIR HANDLING ROOMS	JFK-089	20LF,45LF,12		215.363		JFK-215.590	CALLIN	93-COM	PATCHWORK REMOVAL AND CLEANUP	ACS	12000	0
1	AVIATION	JFK	1ST FLOOR CAFETERIA, KITCHEN ARE, SHOP AREAS	JFK-208	8000SF		215.364		JFK-215.590	CALLIN			ACS	25000	0
1	AVIATION	JFK	TERMINAL ONE	JFK-055	450 SF		215.367		JFK-215.590	CALLIN		CEILING PLASTER	ACS	30000	0
1	AVIATION	JFK	EAST FINGER, GATE 21 & EAST FINGER, GATE 10 CEMENT PLASTER CEILINGS ON 2ND FLOOR	IAB-050,051,	2SF/10LF		215.369		JFK-215.590	CALLIN	PROGRESS	CEILING PLASTER	ACS	1200	0
1	AVIATION	JFK	ROOF	JFK-088	1800SF,880		215.401		A3920.621	BID		ROOF	TO BE BID	60000	0

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PART 1

EDP 007603

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	SOUTH WING ROOF	JFK-178	920SF,600		215.402		A3991.201	BID		ROOF FLASHING, ROOF MASTIC	TO BE BID	11000	0
1	AVIATION	JFK	ROOF	JFK-SWITCH	500SF		215.403		A3920.612	BID		ROOF FLASHING	TO BE BID	6800	0
1	AVIATION	JFK	DELTA AIRLINES,FIRST CLASS LOUNGE	JFK-053	4700SF		215.404		Y-6566.11A	TAA	PLANNING	FP		100000	0
1	AVIATION	JFK	TWA,FEDERAL INSPECTION BUILDING	JFK-060	70SF		215.407		Y-6432B	TAA	PLANNING	CEILING PLASTER		8000	0
1	AVIATION	JFK	UNITED PARCEL SERVICE, WAREHOUSE AREA	JFK-084	400SF		215.408		Y-6652A	TAA	PLANNING	VAT		2000	0
1	AVIATION	JFK					215.410			BID	PLANNING	TRANSITE MATERIAL/PIPE INSULATION /PIPE ELBOWS & FITTINGS		0	0

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PART 1

EDP 007604

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	AMERICAN AIRLINES, FREIGHT ELEVATOR SHAFT	JFK-HANGAR-1	450SF		215.413		Y-6704A	TAA	PLANNING	FP		20000	0
1	AVIATION	JFK	FIS CONNECTOR	JFK-057	420SF		215.414		Y-6480.07A	TAA	PLANNING	FP		20000	0
1	AVIATION	JFK	CENTRAL TERMINAL AREA	JFK-IAB-050	30	70 FITTINGS,	215.504	WO #4	JFK-215.500	CALLIN	89-COM	FITTINGS	OGDEN ALLIED	15000	11877
1	AVIATION	JFK	IAB- EAST CUSTOMS HALL	JFK-IAB-050	50		215.505	WO #5	JFK-215.500	CALLIN	PLANNING	PIPE FITTINGS	OGDEN ALLIED	10000	0
1	AVIATION	JFK	IAB- WEST CUSTOMS HALL	JFK-IAB-050	50		215.506	WO #6	JFK-215.500	CALLIN	PLANNING	PIPE FITTINGS	OGDEN ALLIED	32000	0
1	AVIATION	JFK	WEST CENTER LEAN-TO BOILERS #1 AND 2	JFK-127	800SF	1,080LF/1,10	215.507	WO #7	JFK-215.500	CALLIN	90-COM	PIPE/BOILER/BREECHING	OGDEN ALLIED	77200	92922
1	AVIATION	JFK	ZONE 1 ADJACENT TO PARKING LOT 2	JFK-049	260LF	260LF	215.508	WO #8	JFK-215.500	CALLIN	89-COM	PIPE	OGDEN ALLIED	10000	16056

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EDP 007605

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	CEILING ACCESS OPENINGS	JFK-058,HANG	12 ACCESS	48SF-ABATED,	215.509	WO #9	JFK-215.500	CALLIN	90-COM	ACOUSTICAL PLASTER/FP	OGDEN ALLIED	29670	4172
1	AVIATION	JFK	TRUCK LOADING RACKS #35,36,37,38 ,39,40,42,49 ,50	JFK-FUEL	450SF	75SF	215.510	WO #10	JFK-215.500	CALLIN	90-COM	MONO BLOCK INSULATION	OGDEN ALLIED	15000	13706
1	AVIATION	JFK	TWA TERMINAL - CEILING ACCESS OPENINGS	JFK-060	28 ACCESS		215.511	WO #11	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	25000	16690
1	AVIATION	JFK	1ST FLOOR PUBLIC RESTROOMS- PIPE CHASES AND PLUMBING ASSOCIATED WITH THESE ROOMS	JFK-IAB-050	624LF/154	25LF	215.512	WO #12	JFK-215.500	CALLIN	PLANNING	PIPE	OGDEN ALLIED	40450	1991
1	AVIATION	JFK	UNDERGROUND PIPE ADJACENT TO PARKING LOTS 4 & 5	JFK-049	900LF/30	900LF/ 30	215.513	WO #13	JFK-215.500	CALLIN	PLANNING	PIPE/FITTI NGS	OGDEN ALLIED	36500	35346
1	AVIATION	JFK	US CUSTOMS	JFK-178	18 ACCESS		215.514	WO #14	JFK-215.500	CALLIN	90-COM	FP	OGDEN	23000	6472

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			CEILING ACCESS OPENINGS										ALLIED		
1	AVIATION	JFK	CHRP HOT WATER HEATER	JFK-049	20LF	20LF/32SF	215.515	WO #15	JFK-215.500	CALLIN	89-COM	PIPE/BOILER	OGDEN ALLIED	3752	1170
1	AVIATION	JFK	NO EAST CORNERS	JFK-IAB	10 BAGS	10 CU YDS	215.516	WO #16	JFK-215.500	CALLIN	89-COM	FP - FALLOUT	OGDEN ALLIED	3000	2071
1	AVIATION	JFK	CHRP HEATING PLANT VALVE PIT	JFK-049		3,475SF/	215.517	WO #17	JFK-215.500	CALLIN	89-COM	SURFACE AREA OF PIPE FALLOUT CLEANED/PIPE REPAIRED	OGDEN ALLIED	29550	19855
1	AVIATION	JFK	GATE #S 9,35 PLANE-MATE DOORS	JFK-IAB	4 GATES		215.518	WO #18	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	29000	29929
1	AVIATION	JFK	PAN AM BLOCK HOUSE OFFICE AREA	JFK-HANGAR-1	72SF		215.519	WO #19	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	10000	3390
1	AVIATION	JFK	UNITED AIRLINES TERMINAL AREAS	JFK-056	60 ACCESS		215.520	WO #20	JFK-215.500	CALLIN	ON-HOLD	ACCOUSTICAL CEILING PLASTER	OGDEN ALLIED	99000	99000

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EDP 007607

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	PAN AM TERMINAL B OUTSIDE TRENCH	JFK-054	105LF		215.523	WO #23	JFK-215.500	CALLIN		RICWELL PIPE	OGDEN ALLIED	25000	15414
[redacted]															

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EDP 007608

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	WEST WING 2ND FLOOR	JFK-IAB-052	2600SF		215.534	WO #34	JFK-215.500	CALLIN	90-COM	ACOUSTICAL PLASTER	OGDEN ALLIED	100000	66924
1	AVIATION	JFK	PUBLIC AREAS	JFK-IAB	100 WALL		215.535	WO #35	JFK-215.500	CALLIN	91-COM	ACCOUSTICA L PLASTER	OGDEN ALLIED	116000	110357
1	AVIATION	JFK	PUBLIC AREA - 2ND FLOOR	JFK-IAB-050	420SF		215.536	WO #36	JFK-215.500	CALLIN		ACCOUS CEILING PLASTER	OGDEN ALLIED	5000	0
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL AREA	JFK-057	50 & 60		215.551	WO #1	JFK-215.550	CALLIN	ON-HOLD	FP	ACS	46000	14499
1	AVIATION	JFK	EMERY AIR FREIGHT	JFK-088	6 ACCESS		215.552	WO #2	JFK-215.550	CALLIN	CANCELLED	FP	ACS	4000	4000
1	AVIATION	JFK	MARRIOT COMMISARY	JFK-139	15 ACCESS		215.553	WO #3	JFK-215.550	CALLIN		FP	ACS	9000	9000
1	AVIATION	JFK	AERO ENTERPRISES COMMISSARY	JFK-146	16 ACCESS		215.554	WO #4	JFK-215.550	CALLIN	92-COM	FP	ACS	10000	2403
1	AVIATION	JFK	PAN AM	JFK-213	8 ACCESS		215.555	WO #5	JFK-215.550	CALLIN	92-COM	FP	ACS	6000	3521

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EDP 007609

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			MATERIAL CTR												
1	AVIATION	JFK	PAN AM GROUND EQUIPMENT MAINTENANCE GARAGE	JFK-214	10 ACCESS		215.556	WO #6	JFK-215.550	CALLIN	92-COM	FP	ACS	6000	2674
1	AVIATION	JFK	PAN AM UNIT CARGO BLDG	JFK-067	18 ACCESS		215.557	WO #7	JFK-215.550	CALLIN		FP	ACS	12000	869
1	AVIATION	JFK	PAN AM JET CTR	JFK-208	60 ACCESS		215.558	WO #8	JFK-215.550	CALLIN		FP	ACS	40000	10704
1	AVIATION	JFK	AMERICAN AIRLINES UNIT TERMINAL	JFK-057	100SF/10		215.559	WO #9	JFK-215.550	CALLIN		TANK/FITTINGS	ACS	15000	13473
1	AVIATION	JFK	HEATING WING - HOT WATER TRENCH	JFK-049	20LF		215.560	WO #10	JFK-215.550	CALLIN		PIPE	ACS	12000	19636
1	AVIATION	JFK	BOILER WING EXPANSION TANK	JFK-049	1000SF		215.561		JFK-215.550	CALLIN	91-COM	BOILER	ACS	150000	122431
1	AVIATION	JFK	EXPANSION	JFK-127	500SF		215.562		JFK-215.550	CALLIN		BOILER	ACS	60000	49438

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PART 1

EDP 007610

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK	MER	JFK-053,054,	5LF/47		215.569		JFK-215.550	CALLIN	92-COM	PIPE/FITTINGS/ACOUST	ACS	5000	21427

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EDP 007611

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
												ICAL PLASTER			
1	AVIATION	JFK	PEDESTRIAN WALKWAY	JFK-053	8SF		215.570		JFK-215.550	CALLIN	92-COM	CEMENT	ACS	1800	8583
1	AVIATION	JFK	VALVE ROOM-BLDG ADJACENT TO CHRP	JFK-GAS	250LF		215.571		JFK-215.550	CALLIN	92-COM	PIPE	ACS	15000	19645
1	AVIATION	JFK	PUMP ROOM	JFK-127	100LF		215.572		JFK-215.550	CALLIN	92-COM	PIPE	ACS	8500	4802
1	AVIATION	JFK	BATHROOMS THROUGHOUT	JFK-IAB			215.573		JFK-215.550	CALLIN		ACCOUSTICAL PLASTER/PIPE FITTINGS	ACS	9400	8479
1	AVIATION	JFK	PASSENGER TERMINAL RESTROOMS	JFK-IAB	200LF/250		215.574		JFK-215.550	CALLIN	92-COM	PIPE/FITTINGS	ACS	60000	26330
1	AVIATION	JFK	3RD FLOOR BOILER ROOM	JFK-127	75LF		215.575		JFK-215.550	CALLIN	92-COM	PIPE	ACS	4500	7484
1	AVIATION	JFK	PENTHOUSE MECHANICAL	JFK-080	150LF/20		215.576		JFK-215.550	CALLIN	92-COM	PIPE/FITTINGS	ACS	8500	11113

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			ROOMS EAST & WEST												
1	AVIATION	JFK	PUMP ROOM - UNDERGROUND VAULT	JFK-HANGAR-0	20LF		215.577		JFK-215.550	CALLIN	92-COM	PIPE	ACS	2000	2724
1	AVIATION	JFK	ABOVE SPLINED TILE CEILING INSIDE AND CONCRETE CANOPY CEILING OUTSIDE.	JFK-213	9700SF		215.578		JFK-215.550			FP	ACS	296000	0
1	AVIATION	JFK	RESTROOMS OF WEST WING,GATE 32,23, ADJACENT TO GATE 32 & WEST FINGER AUXILLARY RESTROOM	JFK-IAB	20000 SF		215.579		JFK-215.550	CALLIN		ACOUSTICAL PLASTER	ACS	100000	0
1	AVIATION	JFK	RESTROOMS OF EAST WING GATE 12, ADJACENT TO 12, & EAST WING FINGER GATE 21 & EAST FINGER AUXILLARY RESTROOMS.	JFK-IAB	2000 SF		215.580		JFK-215.550	CALLIN			ACS	100000	0

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EDP 007613

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	RESTROOMS OF WEST WING GATES 33,34, 25, AND 27.	JFK-IAB	2000 SF OF		215.581		JFK-215.550	CALLIN			ACS	100000	0
1	AVIATION	JFK	RESTROOMS OF EAST WING GATE 10,11, EAST FINGER GATE 18 & 19	JFK-IAB	2000 SF		215.582		JFK-215.550	CALLIN			ACS	100000	0
1	AVIATION	JFK	VARIOUS AREAS IN MERS AND CRAWL SPACE	JFK-IAB	+40 CYDS		215.583		JFK-215.550	CALLIN	92-COM	PIPE	ACS	100000	66530
1	AVIATION	JFK	PASSENGER TERMINAL	JFK-IAB	270S		215.584		JFK-215.550	CALLIN		ACOUSTICAL PLASTER	ACS	15000	0
1	AVIATION	JFK	VALVE PIT IN HEATING WING AT THE CHRP	JFK-049	130 LF		215.585		JFK-215.600	CALLIN	PLANNING	PIPING (20")	PDG	20000	0
1	AVIATION	JFK	OFFICES AND HANGAR	JFK-014	65000SF		215.587		JFK-215.550	CALLIN	93-COM	VAT	ACS	90000	0
1	AVIATION	JFK	OFFICES AND HANGAR	JFK-014	65000SF		215.588		JFK-215.550	CALLIN	PLANNING	VAT	ACS	90000	0

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PART 1

EDP 007614

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
												INSULATION	N		
1	AVIATION	JFK	TERMINAL 1A, JFK-054 MER		360LF		215.591C			BID		PIPE INSULATION	D&S RESTORATION	35000	0
[redacted]															
													N		

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PART 1

EDP 007615

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	2ND FLOOR CORRIDOR,WES T WING,CTR TERMINAL & DUTY FREE	JFK-IAB	225SF		215.592		JFK-215.550	CALLIN	PLANNING	ACOUSTICAL PLASTER CEILING	ACS	30000	0
1	AVIATION	JFK	BLOOMIES EXPRESS VENDOR AREA	JFK-IAB	1800 SF		215.593		JFK-215.550	CALLIN	93-COM	CEILING PLASTER	ACS	18000	0
1	AVIATION	JFK	MERS,AIR HANDLING ROOMS	JFK-IAB	160LF		215.594		JFK-215.550	CALLIN	PROGRESS	PIPE	ACS	48000	0
1	AVIATION	JFK	2ND FLOOR OFFICE	JFK-HANGAR-0	25000SF		215.595		JFK-215.550	CALLIN	93-COM	VAT	ACS	31300	0
1	AVIATION	JFK	BOILER ROOM	JFK-110	500SF/200LF/		215.596		JFK-215.550	CALLIN	PLANNING	BOILER/PIP E/FITTINGS /DUCT	ACS	25000	0
1	AVIATION	JFK	OFFICES AND HANGAR	JFK-014	6000SF		215.597		JFK-215.550	CALLIN		VAT	ACS	25000	0
1	AVIATION	JFK	JAPAN AIRLINES BUILDING	JFK-014	21000SF,		215.598		JFK-215.550	CALLIN		ROOF	ACS	100000	0

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PART 1

EDP 007616

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	DELTA - PHASE B, MER	JFK-053	200SF,400SF		215.601		JFK-215.600	CALLIN	93-COM	BOILER, PIPE	PDG, INC.	71000	0
1	AVIATION	JFK	MER, DELTA- PHASE C	JFK-053	160 LF		215.602		JFK-215.600	CALLIN		PIPE INSULATION	PDG, INC	29000	0
1	AVIATION	JFK	UTILITY ROOM #5	JFK-IAB-052	60LF		215.603		JFK-215.600	CALLIN	93-COM	PIPE INSULATION	PDG, INC	48000	0
1	AVIATION	JFK	MER- UTILITY ROOM #6	JFK-IAB-051	200LF, 60LF		215.604		JFK-215.600	CALLIN	93-COM	BOILER INSULATION , PIPE	PDG, INC	48000	0
1	AVIATION	JFK	MER- UTILITY ROOM# 28	JFK-IAB-051	75LF		215.605		JFK-215.600	CALLIN		PIPE INSULATION	PDG, INC	10000	0
1	AVIATION	JFK	EAST AND WEST CUSTOMS	JFK-IAB-052	300LF		215.606		JFK-215.600	CALLIN		PIPE INSULATION	PDG, INC	43000	0
1	AVIATION	JFK	CHRP- ZONE III BELOW GRADE	JFK-049	800LF		215.607		JFK-215.600	CALLIN		PIPE INSULATION	PDG, INC	40000	0
1	AVIATION	JFK	CHRP-ZONE IV BELOW GRADE	JFK-049			215.608		JFK-215.600	CALLIN				50000	0

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PART 1

EDP 007617

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	BELOW GRADE PIPING AT BUILDING EXTERIOR	JFK-054	60LF		215.609		JFK-215.600	CALLIN		PIPE INSULATION	ACS	31000	0

[redacted]

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			BUILDING EXTERIOR												
1	AVIATION	JFK	BRITISH AIRWAYS-BELOW GRADE PIPING AT BUILDING EXTERIOR	JFK-059	60LF		215.615		JFK-215.600	CALLIN		PIPE INSULATION	ACS	31000	0
1	AVIATION	JFK	AMERICAN AIRLINES	JFK-057	375SF, 30LF		215.616		JFK-215.600	CALLIN		FIREPROOFING, PIPE INSULATION	ACS	31000	0
1	AVIATION	JFK	EAST WING SOFFIT AREAS	JFK-IAB	100 SPOT		215.617		JFK-215.590	CALLIN			ACS	149000	0
1	AVIATION	JFK	VARIOUS LOCATIONS IN CEILING	JFK-IAB	800LF,215LF		215.618		JFK-215.550	CALLIN		PIPE INSULATION /FITTINGS	ACS	12000	0
1	AVIATION	JFK	UTILITY ROOMS NOS 1,2,9,10	JFK-IAB-050	800LF, 215SF		215.619		JFK-215.550	CALLIN			ACS	64000	0
1	AVIATION	JFK	AIR HANDLING AREA ABOVE CEILING	JFK-141	75LF, 30LF		215.620		JFK-215.550	CALLIN		PIPE INSULATION /FITTING	ACS	6600	0

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PART 1

EDP 007619

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	MER	JFK-IAB	1200SF,#30		215.621		JFK-215.550	CALLIN		CLEANUP/REPAIR; PIPE FITTINGS	ACS	32000	0
1	AVIATION	JFK	BLDGS-49,53,54,58,59,60,IAB	JFK-IAB ++	MISC		215.622		JFK-215.550	CALLIN			ACS	25000	0
1	AVIATION	JFK	WEST WING CORRIDOR NEXT TO DUTY FREE SHOP	JFK-IAB-050	650SF		215.623		JFK-215.550	CALLIN		ACOUSTICAL CEILING	ACS	50000	0
1	AVIATION	JFK	VARIOUS LOCATIONS IN TERMINAL BUILDINGS	JFK-VARIOUS	TO BE		215.624		JFK-215.550	CALLIN			ACS	30000	0
1	AVIATION	JFK		JFK-VARIOUS	TO BE		215.625		JFK-215.550	CALLIN			ACS	50000	0
1	AVIATION	JFK	CHRP	JFK-049	60LF		215.625A		JFK-215.550	CALLIN		TRANSITE PIPES IN CONCRETE DUCT BANK	ACS	13000	0
1	AVIATION	JFK	VARIOUS AREAS OF CHRP & UNIT TERMINAL	JFK-IAB	500LF		215.625B		JFK-215.590	CALLIN	PLANNING	THERMAL SYSTEM INSULATION	ACS	50000	0

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PART 1

EDP 007620

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			BUILDINGS												
1	AVIATION	JFK	UTILITIES ROOM NOS 5 & 6	JFK-IAB	100LF,25LF		215.626		JFK-215.590	CALLIN		PIPE INSULATION	ACS	25000	0
1	AVIATION	JFK	EAST AND WEST CANOPIES	JFK-IAB	3 HATCHES IN		215.627		JFK-215.550	CALLIN		ACCESS INTO CEMENT PLASTER CEILINGS	ACS	15000	0
1	AVIATION	JFK	BOILER, MER AND AIR HANDLING ROOMS	JFK-088	125SF,		215.628		JFK-215.590	CALLIN		CLEANUP, BOILER, PIPE INSULATION	ACS	6500	0
1	AVIATION	JFK	BOILER AND SUPPLY ROOM	JFK-269	175SF 15SF,		215.629		JFK-215.590	CALLIN		CLEANUP/REPAIR, BOILER, PIPE	ACS	7500	0
1	AVIATION	JFK	CHRP	JFK-049	650LF		215.630		JFK-215.590	CALLIN		PIPE INSULATION	ACS	243000	0
1	AVIATION	JFK	BOILER ROOM	JFK-209	120SF,35LF		215.631		JFK-215.590	CALLIN		BOILER INSULATION	ACS	40000	0

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PART 1

EDP 007621

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	1ST FLOOR	JFK-JAPAN			215.632		JFK-215.590	CALLIN		TRANSITE	ACS	5000	0
1	AVIATION	JFK	CAFETERIA: LAY-IN TILE CEILING	JFK-141	3 CEILING		215.633		JFK-215.590	CALLIN			ACS	9500	0
1	AVIATION	JFK	MER AND AIR HANDLING ROOMS	JFK-178	500SF		215.634		JFK-215.590	CALLIN		PIPE, BOILER INSULATION	ACS	6000	0
1	AVIATION	JFK	LOUNGE AND OFFICE AREAS	JFK-IAB		11 ACCESS	215.635		JFK-215.590	CALLIN		CEILING PLASTER	ACS	35000	0
1	AVIATION	JFK		JFK-IAB			215.636		JFK-215.590	CALLIN		PLASTER CEILING	ACS	25000	0
1	AVIATION	JFK	PLASTER CEILINGS THROUGHOUT BLDG.	JFK-IAB	8000SF		215.637		JFK-215.590	CALLIN		CEILING PATCHES	ACS	100000	0
1	AVIATION	JFK	CHRP	JFK-049	1100 SF (14		215.638		JFK-215.590	CALLIN		ACCESS OPENINGS	ACS	25000	0
1	AVIATION	JFK	WEST FINGER, 2ND FLOOR:	JFK-IAB	700SF/#10		215.639		JFK-215.590	CALLIN		VAT/PIPE ELBOWS &	ACS	11000	0

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PART 1

EDP 007622

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			PROPOSED WOMEN'S LOCKER ROOM									FITTINGS			
1	AVIATION	JFK	1ST & 2ND FLOOR OFFICES, SHOPS, CAFETERIA, KITCHEN AREAS	JFK-208	8000SF/200SF		215.640		JFK-215.590	CALLIN		CLEANUP/FP /TRANSITE/ PIPE/ELBOW S & FITTINGS/D UCT	ACS	17000	0
1	AVIATION	JFK	CHRP ROOF	JFK-049	750SF		215.642		JFK-215.590	CALLIN		CLEANUP	ACS	16000	0
1	AVIATION	JFK	SWITCH HOUSING NO. 1 - ROOF	JFK-164	4500SF		215.643		JFK-215.590	CALLIN		ROOFING	ACS	20000	0
1	AVIATION	JFK	PENTHOUSE M.E.R. NO. 7	JFK-208	200SF/200LF		215.644		JFK-215.590	CALLIN		CLEANUP/PI PE INSULATION	ACS	27500	0
1	AVIATION	JFK	VACANT LOT BEHIND BUILDING NO. 146		ESTIMATED		215.645		JFK-215.590	CALLIN		CLEANUP/CO NTAMINATED DEBRIS	ACS	30000	0
1	AVIATION	JFK	BRITISH AIRWAYS	JFK-059	15SF		215.965		Y-5654	TAA		FP		3015	0

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PART 1

EDP 007623

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	PAN AM INT'L RETAIL SHOP	JFK-053	200SF/25LF		215.966		Y-5813	TAA		FP/PIPE		0	0
1	AVIATION	JFK	AMERICAN AIR TERMINAL MAIN LOBBY SHOPS	JFK-057	400SF		215.967		Y-5823	TAA		FP	ENVIRO SAFE CORP.	90000	0
1	AVIATION	JFK	PAN AM EAST & WEST DELI	JFK-053	1000SF		215.968		Y-5784	TAA	88-COM	FP	HESCO	0	0
1	AVIATION	JFK	PASSENGER WALKWAY BRIDGE	JFK-PAN AM	200SF		215.969		Y-5906A	TAA	89-COM	FP	APED/ATC	0	0
1	AVIATION	JFK	LUFTANSA 1ST & 2ND FLS.	JFK-IAB	5885SF/600SF		215.970		Y-5808	TAA		FP	ARC	0	0
1	AVIATION	JFK	NORTH WEST AIRLINES AREA IN UNITED AIRLINES TERMINAL	JFK-056			215.971		Y-5966	TAA		FP	APED	0	0
1	AVIATION	JFK	IAB BRITISH AIRWAYS LOUNGE & BAGGAGE	JFK-059			215.972		Y-5491B	TAA		FP	ARC	0	0

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EDP 007624

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			AREAS												
1	AVIATION	JFK	PAN AM TERMINAL-WESTERN SHOP	JFK-PAN AM	1680SF		215.973		Y-5755	TAA		FP	ENVIRO SAFE CORP.	0	0
1	AVIATION	JFK	DHL OFFICE & WAREHOUSE AREAS	JFK-081			215.974		Y-5735	TAA		PIPE/DUCT	APPLIED ENVIRONMENTAL TECH.	185000	0
1	AVIATION	JFK	HEATING WING - HW GENERATORS#2,3,4,5,6 AND WRECKAGE OF BOILER #4	JFK-049	70LF/1750SF	70LF/1,750SF	215.981		JFK-519	BID	87-COM	PIPE INSULATION /BOILER INSULATION, HEADER CASING,STACK AND BREECHING INSULATION	MCNEIL CONSTRUCTION	48000	75900
1	AVIATION	JFK	HEATING WING- PIPE INSULATION ASSOCIATED WITH BOILERS #1,#2,#3,#4 AND RELATED EQUIPMENT	JFK-049	367LF	367LF	215.985	JFK-003	EXD-100.367	CALLIN	87-COM	PIPE INSULATION -CLEANUP	OWNERS	47000	36028
1	AVIATION	JFK	WEST WING- CRAWL SPACE, CEILING AND 2ND FLOOR	JFK-IAB-050	0 LF/0 LF	60LF/520SF	215.986	JFK-001	EXD-100.367	CALLIN	87-COM	PIPE/DUCT	OWNERS	24000	31789

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EDP 007625

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			MER												
1	AVIATION	JFK	PAN AM, OLD TEXAS LOUNGE-COUNTERS AND CONVEYORS	JFK-053	200LF		215.987		Y-5981	TAA	88-COM	PIPE	APED	12000	0
1	AVIATION	JFK	HUDSON GENERAL	JFK-069	40000SF		215.988		Y-5855	TAA	88-COM	FP	KURTZBAN & SONS	1000000	1146322
1	AVIATION	JFK	IAB, EAST WING BLOOMINGDALES SHOP	JFK-IAB-050	2,695SF	2,695SF	215.991	JFK-002	EXD-100.367	CALLIN	87-COM	ACOUSTICAL PLASTER	OWNERS	50000	101652
1	AVIATION	JFK	ZONE 4-HIGH TEMPERATURE HOT WATER PIPES WHICH RUN FROM BLDG 49 TO TWA TERMINALS	JFK-049	1,000LF	675LF	215.993		JFK-474	BID	85-COM	PIPE INSULATION	CSM SYSTEMS INC	80000	65000
1	AVIATION	JFK	US CUSTOMS - 4TH FLOOR AND BASEMENT BATHROOM	JFK-178	4,323SF	4,323SF (4TH	215.994		JFK-110.057	MAIN/SUB	87-COM	FP	VRH/ASBESTOS REMOVAL	657840	101000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
1	AVIATION	JFK	CUSTOM HALL-WEST WING AREA	JFK-IAB-050	4,000SF	1,384SF	215.995		JFK-410.138	BID	87-COM	ASBESTOS BEARING WALL PANELS	JOHNS INSULATION	29000	29000
1	AVIATION	JFK	COOLING TOWERS WHICH SERVE CHRP	JFK-049	31,104SF/458	31,104SF/458	215.996		JFK-340.029	MAIN/SUB	88-COM	COOLING TOWER FILL/DRIFT ELIMINATORS	TOWER PERFORMANCE/ASBESCO	0	386767

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			SHAFTS, TENANT AREAS, STORES, CLOSETS, ETC.)											
1	WT&ED	WTC	PARTIAL 17TH FLOOR - SOUTH AND EAST (TWO VACANT AREAS)	WTC-1	15000SF/15000		115.849	WO# 94	WTC-115.510	CALLIN	93-COM	VAT/FP	ACS	400000
1	WT&ED	WTC	PARTIAL 22ND FLOOR - NORTH, SOUTH, EAST	WTC-1	26000SF/26000		115.850	WO# 95	WTC-115.510	CALLIN	93-COM	VAT/FP	ACS	600000
1	WT&ED	WTC	FLOORS 17 AND 18, SUITE 1745	WTC-1		50SF	115.852	WO#999-AAA	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 14 AND 15	WTC-1	50SF		115.853	WO#999-BBB	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 14 AND 15	WTC-1	50SF		115.854	WO#999-CCC	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 14 AND 15	WTC-1	50SF		115.855	WO#999-DDD	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	TOP OF ALL ELEVATOR SHAFTS	WTC-1			115.856	WO#999-EEE	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	2-WTC:SHUTTLE ELEVATOR SHAFTS 10 AND 11 AND 1-WTC:ELEVATOR SHAFT 22	WTC-1,2	50SF		115.857	WO#999-FFF	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	7TH FLOOR, MER - SW AND NE SECTIONS	WTC-2	50SF		115.858	WO#999-GGG	WTC-115.224	CALLIN	93-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 14 AND 15	WTC-1	50SF		115.859	WO#999-HHH	WTC-115.224	CALLIN	93-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 12 AND 13, CLEANING ELEVATOR CARS 18 AND 19	WTC-1	50SF		115.860	WO# 999-UU	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 18 AND 19	WTC-1	50SF		115.861	WO# 999-VV	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	SHUTTLE ELEVATOR SHAFTS 14 AND 15	WTC-1	50SF		115.862	WO# 999-WW	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	B-1 LEVEL STORAGE AREA	WTC-1	50SF		115.863	WO# 999-XX	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	ELEVATOR CAR #11	WTC-2	50SF		115.864	WO# 999-YY	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	19TH FLOOR, SUITE 1933	WTC-1	50SF		115.865	WO# 999-ZZ	WTC-115.224	CALLIN	92-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	B1 LEVEL STEAM VALVE STATION	WTC-1	250LF		115.988	WO# 999-B	WTC-115.224	CALLIN	89-COM	FP FALLOUT	ACS	0
1	WT&ED	WTC	41ST FLOOR MER	WTC-2	500SF		115.989	WO# 999-A	WTC-115.224	CALLIN	89-COM	FP FALLOUT	ACS	0

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	WT&ED	WTC	B1 LEVEL, SUBGRADE OF 1WTC TO SUBGRADE OF 5WTC 1ST BOSTEN	WTC-5	3000SF		115.998		T-3798	TAA	88-COM	FP	HRF	10000
1	WT&ED	WTC	FLOORS 10, 11, AND 12 NY TELEPHONE	WTC-2	5000SF		115.999		T-3734	TAA	87-COM	FP	ASBESTEC	190000
1	AVIATION	LGA	LGA-CTB-075,076,077,089 ELECTRICAL SUBSTATIONS & FIELD LIGHTING VAULT	LGA-CTB-VARIO	13118SF	14,723 SF	215.002		LGA-468A	BID	91-COM	FP	PC&J	538000
1	AVIATION	EWR	2ND FLOOR, SOUTHWEST END-OFFICE SPACE BETWEEN COLUMNS 21-27	EWR-150	1688SF	3,536SF	215.005	NIA-03	EXD-100.368	CALLIN	88-COM	FP	CERTIFIED	80000
1	AVIATION	EWR	2ND FLOOR-CORRIDOR AND STAIR	EWR-150	900SF	1,087SF	215.006	NIA-04	EXD-100.368	CALLIN	88-COM	FP	CERTIFIED	39350
1	AVIATION	LGA	4TH FLOOR, MARRIOT HOST-TERRACE	LGA-CTB-077	20000SF	35,255SF	215.008		G-1532	TAA	88-COM	FP	HOST/BERCO/JOHNS INSULAT	400000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			RESTAURANT											
1	AVIATION	JFK	TWO DUTY FREE RETAIL STORES	JFK-IAB-050	600SF		215.009		Y-5901	TAA	88-COM	FP	DSI	85000
1	AVIATION	EWR	2ND FLOOR, NORTH TERMINAL-KITCHEN AND DINING AREA (OLD NEWARKER RESTAURANT)	EWR-088	720LF/5600SF	5,600SF/720S	215.010		EWR-215.010	PA-BID	89-COM	ACOUSTICAL PLASTER/DUCT INSULATION	FALCON	120000
1	AVIATION	LGA	3RD FLOOR-PA SPACE,TENANT SPACE AND COMMON USE AREAS	LGA-CTB-075,0	13000SF/8820L	36,805SF/4,2	215.011		LGA-405	PA-BID	PROGRESS	FP/PIPE/DUCT	OWNERS	1673000
1	AVIATION	LGA	BASEMENT-MER'S AND WORKSHOPS	LGA-CTB-089	13000SF/4600L	14,361SF/2,2	215.014		LGA-433A	PA-BID	89-COM	FP/PIPE/DUCT	OGDEN ALLIED	486000
1	AVIATION	JFK	PAN-AM-DUTY FREE SHOP, INTERNATIONAL SHOPPERS IS PRESENT TENANT	JFK-053	800SF		215.016		Y-5956	TAA	88-COM	FP	ENVIRO SAFE CORP.	40000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	AMERICAN AIRLINES, GATES 4, 6, AND 14-LOADING BRIDGES	JFK-057	830SF/320SF		215.018		Y-5941B	TAA	88-COM	FP/F-TILE	NAACO	85000
1	AVIATION	LGA	EASTERN AIRLINES-EMIS CONTINENTAL AIRLINES UES	LGA-HANGAR-08	6370LF/16840S		215.019		G-1636	TAA	88-COM	PIPE/CEILING PLASTER/F-TILES/TAR PAPER	ERRIS PAINTING	850000
1	AVIATION	JFK	CONCOURSE LEVEL, PAN-AM WORLD PORT-HUDSONS' SHOP	JFK-053	530SF		215.022		Y-6039	TAA	88-COM	FP	ENVIRO SAFE	30000
1	AVIATION	LGA	AMERICAN AIRLINES-FINGER 1 FIRE GATES	LGA-CTB-077	2350FP/50LF/1		215.023		G-1609	TAA	88-COM	FP/PIPE/ACOU PLASTER/INSUL	HYGIENETICS/ APED	150000
1	AVIATION	LGA	AMERICAN AIRLINES-VARIOUS LOCATIONS OF CTB, BAGGAGE CLAIM SECOND LEVEL AREA, WEST WING DEPARTURE LEVEL	LGA-CTB-077	3900SF/17200L	32,461SF/542	215.024		G-1628	TAA	89-COM	FP/PIPE/PIPE FITTINGS	ADVATEX	2400000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	LGA	HOST BASEMENT OFFICES/STORAGE	LGA-CTB-089	6581SF	6,581 SF (KB	215.025		G-1536	TAA	88-COM	FP	HOST/BERCO/NACO	68104
1	AVIATION	LGA	BASEMENT-EMPLOYEE CAFETERIA	LGA-CTB-089	3857SF	3,857 SF	215.026		G-1507	TAA	86-COM	FP	HOST/VRH/ENVIRO ENCAPSUL	37102
1	AVIATION	LGA	3RD FLOOR OFFICES	LGA-CTB-089			215.027		G-1491	TAA	85-COM	FP	HOST/VRH	22581
1	AVIATION	JFK	JEWISH SYNAGOGUE	JFK-182	68LF/46SF/319		215.031		JFK-320.008	MAIN/SUB	89-COM	PIPE/BOILER/DUCT/P-ELBOWS/F-TILES/ACOUSIC PLASTER	BECOM REAL/NAACO	199430
1	AVIATION	JFK	EAST WING, CUSTOMS HALL	JFK-IAB-050	6000SF	1755SF	215.035	WO #1	JFK-215.500	CALLIN	89-COM	ACOUS PANELS	OGDEN ALLIED	120000
1	AVIATION	EWR	THROUGHOUT TERMINALS	EWR-TERM-A,B	100SF	16,000SF	215.040	WO #IR 5,7	NIA-100.504	MAIN/SUB	89-COM	FP/CLEANUP OF CEILING AREAS	PALMER/QAR	320000
1	AVIATION	JFK	THROUGHOUT INTERIOR OF BOTH BUILDINGS	JFK-081,082	16000SF/3208L	13,807SF/325	215.047		JFK-215.047	BID	89-COM	VAT/FP/PIPE/FITTINGS/DUCT/WALL PLASTER/GALBESTOS/BREECH	PC&J	520000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
												ING		
1	AVIATION	JFK	PAN AM WORLDPORT	JFK-053	570SF		215.048		Y-6062A	TAA	PLANNING	FP	APED	0
1	AVIATION	JFK	PAN AM WORLD PORT SPECIAL SERVICE AREA	JFK-053	500SF/300LF		215.050		Y-6061A	TAA	89-COM		APED	75000
1	AVIATION	JFK	PAN AM WORLD PORT- AREA D BAGGAGE AND SERVICES ADMIN, BAGGAGE SERVICE OFFICE AND BATHROOMS	JFK-053	62LF/8/15SF		215.052		Y-6074A	TAA	89-COM	PIPE/FITTING S/FP	APED	6000
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL GATE 16	JFK-057	440SF		215.058		Y-6088A	TAA	89-COM	FP	DKP	55000
1	AVIATION	JFK	BRITISH AIRWAYS MER	JFK-059	4600SF/700EA		215.060		Y-6000C	TAA	89-COM	FP/PIPE FITTINGS	DKP	176000
1	AVIATION	LGA	DEPARTURES LEVEL, SOFFIT OVER HANG	LGA-CTB-075,0	27040SF	25,236SF	215.061		LGA-110.072	MAIN/SUB	90-COM	FP	APC/OGDEN ALLIED	1500000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	PORT	PN	4 BUILDING COMPLEX-BOILER HOUSE,OFFICE BUILDING,TREATMENT PLANT,FOAM HOUSE	PN-VARIOUS	2300SF/1125LF		315.061		PN-1254	TAA	91-COM	ROOFING/PIPE /FP	KOPPERS	100000
1	AVIATION	JFK	PAN AM WORLD PORT	JFK-053	850SF		215.062		Y-6068A	TAA	89-COM	FP	APED	37500
1	AVIATION	JFK	PAN AM WORLD PORT	JFK-053	20SF		215.063		Y-6112	TAA		FP	APED	3000
1	AVIATION	JFK	BRITISH AIR MEZZANINE LEVEL	JFK-059	19800SF/5100S		215.065		Y-6000D	TAA	90-COM	FP/ACOUSTICAL PLASTER	APC/OGDEN ALLIED	439400
1	AVIATION	JFK	BRITISH AIR ARRIVAL LEVEL	JFK-059	830SF/16000SF		215.066		Y-6000E	TAA	90-COM	ACOUSTICAL	DKP	825000
1	AVIATION	JFK	EAST GALLERY/UNITED TICKET OFFICE	JFK-059	220/750SF		215.067		Y-6000F	TAA	90-COM	ACOUSTICAL	DKP	47000
1	AVIATION	JFK	PAN AM TERMINAL	JFK-208-HANGA	6200SF		215.068		Y-6122A	TAA	90-COM	FP	SEAGULL/PC&J	320000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			HANGAR-19 - TERMINAL SOUTH BLOCK HOUSE											
1	AVIATION	LGA	AMERICAN AIRLINES DEPARTURE LEVEL TICKET COUNTER & OFFICES	LGA-CTB-076	18100SF	23,550SF	215.069		G-1695	TAA	90-COM	FP	ADVATEX	678000
1	AVIATION	LGA	US AIR/AMERICAN AIR DEPARTURES & ARRIVALS LEVEL	LGA-CTB-076	16800SF	17,552SF	215.070			TAA	91-COM	FP	ADVATEX	373800
1	AVIATION	JFK	GATE # 9, PASSENGER WAITING AREA	JFK-053	150SF		215.071		Y-6123A	TAA	89-COM	FP	APED/ATC	15000
1	AVIATION	JFK	SOUTH CONCOURSE LEVEL	JFK-053	225SF		215.072		Y-6110A	TAA	PLANNING	FP	APED	35000
1	AVIATION	JFK	AREA OF GATES 7,8 AND 10 AND SKYCHIEF STORAGE AREA	JFK-057	4600SF		215.073		Y-5964A	TAA	89-COM	FP/CLEANUP	DKP	334000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	PAN AM WORLD PORT - TERMINAL EXPANSION - DEPARTURE LEVEL DRIVEWAYS	JFK-053	120SF		215.076		Y-6142A	TAA		FP	APED	24000
1	AVIATION	LGA	THROUGHOUT BLDG-HVAC SYSTEM .096	LGA-CTB-075,0			215.078		410-90-012M	BID			LAB TESTING SERVICE	0
1	AVIATION	JFK	UNITED AIRLINES-FORMER FLIGHT KITCHEN	JFK-055	260SF/180LF/6		215.079		Y-6160A	TAA	89-COM	VAT/PIPE/FITTINGS/DUCT/ACOU PLAS	KAN KLEAN	170000
1	AVIATION	JFK	EXTERIOR OF GATE 4	JFK-057	60SF		215.080		Y-6060B	TAA	89-COM	FP	DKP	52000
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL	JFK-057	300LF/3150SF		215.081		Y-6060C	TAA	89-COM	PIPE/FP	KAN KLEAN	186000
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL - GATES 2&8/EAST PUBLIC BATHROOMS	JFK-057	10SF/4000/850		215.082		Y-6060D	TAA	89-COM	VAT/PIPE ELBOWS/FP	DKP	430000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	LGA	UNITED AIRLINES BAGGAGE & TICKET LOBBY	LGA-CTB-076	200/200SF/260	38	215.085		G-1706	TAA	90-COM	PIPE FITTINGS/DUCT/FP	OGDEN ALLIED	1695000
1	AVIATION	EWR	BAGGAGE AREA - AIR CANADA CONNECTOR B-2	EWR-TERM-B			215.086		NB-154	TAA	90-COM		GIBSON ABATEMENT	0
1	AVIATION	JFK	PAN AM - EAST CUSTOMS AREA	JFK-053	6700SF		215.087		Y-6061B	TAA		FP	ASBESTOS CARTING	125000
1	AVIATION	JFK	AIR LINGUS TENANT AREA EAST WING 3RD FLOOR LOUNGE	JFK-IAB-051	2550SF		215.088		Y-6169A	TAA	90-COM	ACOUSTICAL PLASTER SUSPENDED CEILING	NORTHSHORE	90000
1	AVIATION	JFK	NORTHWEST SECTION PAN AM CARGO AREA	JFK-067	4000SF		215.089		Y-6156A	TAA		FP	INTL ASBESTOS REMOVAL	285000
1	AVIATION	LGA	2ND FLOOR COMMON USE HALLWAY COMMON USE	LGA-CTB-075,0	17400SF		215.091		LGA-215.091	BID	PROGRESS	FP	ACS	1230000
1	AVIATION	LGA		LGA-			215.095			BID	90-COM	FP		0

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	PAN AM JET CTR MEZZO LEVEL	JFK-208	3500SF		215.097		Y-6178A	TAA	89-OCM	FP	APED	130000
1	AVIATION	JFK	EASTERN AIRLINE EXTERIOR CANOPY UNDERSIDE CEILING ABOVE DEPARTURES ROADWAY	JFK-055	8000SF		215.100			CALLIN	90-COM	CEMENT PLASTER CEILING	BRANCH	560000
1	AVIATION	JFK	AMERICAN AIRLINES GATE 10 CONCOURSE/RAMP LEVEL	JFK-057	28/3000SF/150		215.102		Y-6060E	TAA	90-COM	PIPE ELBOWS/FP/TRANSITE	DKP	470000
1	AVIATION	JFK	MARRIOT INFLIGHT PREP KITCHEN AREA	JFK-139	44000SF/4000L		215.104		Y-5759A	TAA	92-COM	CEILING TILES/PIPE/PIPE ELBOWS/DUCT/FP/HOOD	NATIONAL SURFACE CLEANING	640000
1	AVIATION	LGA	US AIR TERMINAL, STAIRWAY"B" BETWEEN 1ST & 2ND LEVEL	LGA-CTB-076	15SF		215.105		G-1697	TAA		FP	ADVATEX	2000
1	AVIATION	LGA	GROUND FL	LGA-CTB	3100SF/1400SF	2400 SF/1400	215.108		LGA-110.058A	MAIN/SUB	91-COM	ACOUSTICAL	PERINI/AMERI	165000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
[redacted]														
1	AVIATION	JFK	PAN AM OUTBOUND CONVEYOR BELT AREA	JFK-054	100SF		215.115		Y-6232A	TAA	ON HOLD	ACOUSTICAL		4000
[redacted]														

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			AIRCRAFT MAINTENANCE AREA											
1	AVIATION	JFK	AMERICAN AIRLINES FLAGSHIP LOUNGE	JFK-057	1500SF		215.119		Y-6060H	TAA	ON-HOLD	FP	DKP	327000
1	AVIATION	JFK	AMERICAN AIRLINES SERVICE GARAGE RAMP GATE 2	JFK-057	4800SF		215.120		Y-6060I	TAA	90-COM	FP	HESCO	220000
1	AVIATION	JFK	PAN AM CARGO BLDG	JFK-067	23500SF		215.122		Y-6251A	TAA	ON-HOLD	FP	ADVATEX/ATC	625000
1	AVIATION	JFK	PAN AM CONCOURSE LEVEL REFUGEE LOUNGE	JFK-053	300SF		215.125		Y-6256A	TAA	90-COM	FP	ADVATEX/ATC	25000
1	AVIATION	LGA	TWA- 1ST FLOOR BAGGAGE MAKEUP AREA	LGA-CTB	3000SF/970/30		215.126		G-1729	TAA	ON-HOLD	FP	OGDEN ALLIED	0
1	AVIATION	LGA	UNDERPASSES INNER AOA SERVICE ROAD	LGA-CTB	1100SF		215.127		LGA-215.720	CALLIN	PLANNING	FP/ROOF	ACS	99000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			BEHIND TERMINAL											
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL	JFK-057	5000SF		215.128		G-6060J	TAA	90-COM	FP	DKP	250000
1	AVIATION	JFK	AMERICAN AIRLINES FEDERAL INSPECTION AREA & CONNECTING RESTROOMS	JFK-057	4600SF		215.129		Y-6060K	TAA	90-COM	FP	ADVATEX	141000
1	AVIATION	JFK	GATE 14	JFK-057	450SF		215.130		Y-6060L	TAA	90-COM	FP	DKP	20000
1	AVIATION	JFK	JAPAN AIR MGMT	JFK-014	1700SF/610LF/		215.131		Y-6184	TAA	91-COM	FP/PIPE/ELBOWS/DUCT/BREECHING/CABLE	DKP	850000
1	AVIATION	LGA	AMERICAN AIRLINES,OFFICE,STORAGE & HALLWAYS	LGA-CTB-077	5475SF/970/30		215.132		G-1727	TAA	92-COM	VAT/FP/ELBOWS	ODGEN ALLIED	350000
1	AVIATION	JFK	AMERICAN AIRLINES GATE 6 STAIRWAY	JFK-057	1000SF		215.133		Y-6060M	TAA	90-COM	FP	ADVATEX	118000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	LUFTANSA - 3RD FLOOR DEPARTURE LEVEL	JFK-IAB-051	2400SF	2413SF	215.134		Y-6286A	TAA	90-COM	ACOUSTICAL	ACS	100000
1	AVIATION	JFK	TWA INTERNATIONAL TERMINAL- CEILING OF MAIN LOBBY AREA	JFK-060	16SF		215.139		Y-6299	TAA		FP	DKP	50000
1	AVIATION	LGA	UNITED AIRLINES - CONNECTOR LINK, FINGER 2	LGA-CTB-078	1100SF/40/185		215.140		G-1718	TAA	91-COM	ACOUSTICAL	KAN KLEAN	150000
1	AVIATION	JFK	VARIG BRAZILIAN AIRWAYS	JFK-IAB-051	100SF		215.142		Y-6191A	TAA	90-COM	ACOUSTICAL	HESCO	6000
1	AVIATION	JFK	RETAIL SHOP TO BE RENOVATED TO ACCOMODATE MRS FIELDS COOKIES	JFK-053	20LF/26SF/500		215.147		Y-6263A	TAA	90-COM	PIPE/DUCT/FP	DSI	44000
1	AVIATION	EWR	TERMINAL B DEPARTURE LEVEL TERRACE	EWR-TERM-B	5000SF		215.148		EWR-215.148	BID	91-COM	FP	HAZARDOUS WASTE ENG.	235000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			AND ADJACENT TO 3 BAGGAGE CONVEYOR SYSTEMS											
1	AVIATION	EWR	AMERICAN AIRLINES ARRIVALS LEVEL BAGGAGE AREA	EWR-TERM-A	115 CU YDS		215.149		NA-155	TAA	91-COM		FALCON	0
1	AVIATION	EWR	MAIN TOLL PLAZA - TOLL BOOTHS AND EXTERIOR SOFFITS	EWR-105	10SF/27 HOLES		215.153		EWR-215.920	CALLIN	91-COM	FP/ACM PLASTER CEMENT	DKP	27563
1	AVIATION	LGA	AMERICAN AIRLINES CURBSIDE CONVEYOR/US AIR BAGGAGE CLAIM AREA	LGA-CTB	1450 SF		215.155		G-1742	TAA	PROGRESS	FP	DCD ABATEMENT	70000
1	AVIATION	EWR		EWR-TERM-A			215.156			TAA	PLANNING			0
1	AVIATION	EWR		EWR-TERM-B			215.157			TAA	PLANNING			0
1	AVIATION	JFK	AMERICAN AIRLINES WEST	JFK-057	500SF		215.164		Y-6337A	TAA	91-COM	FP	ASBESTOS ABATEMENT	75000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			FINGER - NEW COCKTAIL AND SNACK BAR											
1	AVIATION	JFK	AMERICAN AIRLINES MAKE-UP BAGGAGE ROOM	JFK-057	150LF/1200SF		215.168		Y-6060N	TAA	91-COM	PI/ACOUSTICAL INSULATION	DCD	50000
1	AVIATION	JFK	INTERNATIONAL TICKET LOBBY	JFK-057	20SF		215.169		Y-6060P	TAA	91-COM	FP	ADVATEX	30000
1	AVIATION	JFK	JAPAN AIR LINES-EAST WING KITCHEN	JFK-014	800SF/3500SF		215.171		Y-6184D	TAA	PROGRESS	FP/MASTIC ADHESIVE		90000
1	AVIATION	JFK	EAST,WEST HANGARS,PENTHOUSE,2ND,3RD FLOORS	JFK-014	1096/2200SF	0/2200SF	215.172		Y-6184C	TAA	91-COM	FITTINGS/FP	DKP	335000
1	AVIATION	EWR	CONNECTOR B-1 CONCOURSE & RAMP LEVEL EXTERIOR HALLWAY UNDERGROUND	EWR-TERM-B	50LF/1500SF		215.173		NB-182	TAA	92-COM	PIPE/FP	GUARANTEED CLEAN AIR	200000
1	AVIATION	JFK	NY TELEPHONE AREA	JFK-147	12700SF		215.175		Y-6415A	TAA	91-COM	ACOUSTICAL	ATC	160000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	EWR	CONCESSIONS AREA INTERIOR & EXTERIOR BETWEEN CONNECTORS 2&3	EWR-TERM-A,B	20000SF/60000		215.177		EWR-124.014	BID	92-COM	ACOUSTICAL	SAFEWAY ENVIRONMENTAL CORP.	1282000
1	AVIATION	JFK	EAST CONCOURSE	JFK-057	600SF		215.178		Y-6422A	TAA	91-COM	FP	ACS	36000
1	AVIATION	JFK	JAPAN AIR - EAST WING KITCHEN	JFK-014	780SF/3500SF		215.179		Y-6184E	TAA	ON-HOLD	FP/MASTIC		90000
1	AVIATION	EWR	AMERICAN AIRLINES BAGGAGE SERVICE AREA	EWR-TERM-A	1000SF		215.182		NA-155	TAA	92-COM	FP	GUARANTEED CLEAN AIR	7000
1	AVIATION	EWR	UNDERGROUND FUEL SYSTEM-RAMP LEVEL CONNECTOR	EWR-TERM-A	290SF/8000SF		215.183			TAA		PIPE/FP		325000
1	AVIATION	LGA	UNITED AIRLINES TENANT AREA	LGA-CTB-FINGE	760SF/1400SF		215.185			TAA	92-COM	FP/TAR	ACS	0

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	LGA	CENTER SECTION - WORK AREAS 1 THROUGH 13	LGA-CTB	11000SF/12000		215.187		LGA-110.107	BID		VAT/FP/ACCOU PLAS CEILING/PIPE ELBOWS	NATIONAL SURFACE CLEANING	3200000
1	AVIATION	EWR	AMERICAN AIRLINES FLIGHT SERVICE OFFICES	EWR-TERM-A	<3000SF		215.189		NA-157	TAA	92-COM	FP	GUARANTEED CLEAN AIR	93600
1	AVIATION	EWR	AMERICAN AIR RAMP LEVEL CONNECTOR	EWR-TERM-A	5900SF		215.192		NA-147	TAA	92-COM	FP	GUARANTEED CLEAN AIR	300000
1	AVIATION	EWR	AMERICAN AIRLINES - ARRIVALS LEVEL	EWR-TERM-A	25 CUYDS		215.193		NA-161	TAA	93-COM	CEILING TILE/PLASTER	GUARANTEED CLEAN AIR	200000
1	AVIATION	EWR	NORTH TERMINAL	EWR-088			215.194			BID	91-COM			0
1	AVIATION	JFK	AMERICAN AIRLINES WEST PUBLIC BATHROOMS	JFK-057	100/1600SF		215.197		Y-6465A	TAA	92-COM	ELBOWS/FP	NATIONAL ABATEMENT	30000
1	AVIATION	LGA	3RD FLOOR	LGA-CTB			215.198		LGA-405	BID				0

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			EXPANSION											
1	AVIATION	LGA	CONTINENTAL AIRLINES WORK AREAS 1-6, WEST END STORAGE ROOM, ENTIRE HANGAR	LGA-HANGAR-06	2550SF/2200LF		215.200		G-1774	TAA	92-COM	BOILER/PIPE/ FITTINGS/DUC T/FP/TAR	TRIPLE M	439700
1	AVIATION	JFK	THROUGHOUT BUILDING	JFK-213	50SF/27000SF/		215.202			BID	PROGRESS	BREECHING/FP /PIPE/FITTIN GS		1000000
1	AVIATION	JFK	MECHANICAL EQUIPMENT ROOM(BLDG 50,51,52,53,5 6,57,58,59,60)	JFK-VARIOUS	5333SF/2200SF		215.204		JFK-215.600	CALLIN	92-COM	FP/PIPE/FITT INGS,TANK/RE HEATER	PROJECT DEVELOPMENT	893100
1	AVIATION	EWR	TWA	EWR-HANGAR-55	600-800 LF		215.207			TAA	ON-HOLD			0
1	AVIATION	JFK	KOREAN AIR DEPARTURE HALL-IAB, WEST WING	JFK-052	160 LF		215.209		Y-6446A	TAA	92-COM		HAZARDOUS ELIMINATION	5400
1	AVIATION	LGA	FINGER 2, FIRST FLOOR	LGA-CTB	2200SF		215.210			TAA	PLANNING	FP		100000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
[redacted]														
[redacted]														
1	AVIATION	JFK	DELTA AIRLINES - INTERIOR SIGNAGE & SECURITY PROJECTS	JFK-053,054	150SF		215.215		Y-6514A	TAA	93-COM	FIREPROOFING	GUARANTEED CLEAN AIR	60000
[redacted]														

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			CONCOURSE										ELIMINATION	
1	AVIATION	JFK	STATION OPERATIONS OFFICE	JFK-053	3300SF/4200SF		215.223		Y-6533A	TAA	PROGRESS	VAT/FP		80000
1	AVIATION	LGA	EAST WING 1ST FLOOR	LGA-CTB	10SF/320		215.226		LGA-110.098	MAIN/SUB		FP/CEILING TILES	TO BE BID	75000
1	AVIATION	EWR	MER SOUTH END OF E MER	EWR-TERM-B	250SF		215.229		EWR-124.017	MAIN/SUB	92-COM	FP	OMNI-VANESSA /SAFEWAY	20000
1	AVIATION	EWR	MER-CEILING BEAM ALONG W WALL OF E MER	EWR-TERM-B	15SF		215.230		EWR-124.017	MAIN/SUB	PROGRESS	FP	OMNI-VANESSA /SAFEWAY	15000
1	AVIATION	EWR	CONCOURSE LEVEL NEAR COLUMN 25	EWR-TERM-B	20SF		215.231		EWR-124.017	MAIN/SUB	92-COM	FP	OMNI-VANESSA /SAFEWAY	10000
1	AVIATION	EWR	MER-CEILING BEAM ALONG W WALL OF E MER	EWR-TERM-A	10SF		215.234		EWR-124.017	MAIN/SUB	PROGRESS	FP	OMNI-VANESSA /SAFEWAY	10000
1	AVIATION	EWR	CONCOURSE LEVEL NEAR COLUMN 19	EWR-TERM-A	16SF		215.235		EWR-124.017	MAIN/SUB	PROGRESS	FP	OMNI-VANESSA /SFEWAY	10000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	CARGO BUILDING,HANGAR 11	JFK-079-HANGA	33264SF/660SF		215.239		Y-6350A	TAA	93-COM	VAT/BOILER/PIPE/FITTINGS/DUCT/FP/TRANSITE/CABLE		350000
1	AVIATION	LGA	VARIOUS IN CTB ON 3RD FL	LGA-CTB	1525SF/222		215.240		110.083	MAIN/SUB	PROGRESS	FP/FITTINGS	VRH/NSC INC.	177406
1	AVIATION	JFK	AMERICAN AIRLINES BAGGAGE CLAIM,BASEMENT & CONCOURSE'D'	JFK-056	42200SF/300LF		215.241		Y-6480A	TAA	93-COM	VAT/PIPE/FITTINGS/TRANSITE WALL PANELS/PLASTER CEILING	GUARANTEED CLEAN AIR	1700000
1	AVIATION	EWR	AMERICAN AIR - SATELLITE A-3, ADMIRALS CLUB, OFFICES, JET BRIDGES 31&32	EWR-TERM-A	3330SF		215.242		NA-168	TAA	93-COM	CEILING PLASTER	GUARANTEED CLEAN AIR	0
1	AVIATION	EWR	COLUMN 19A	EWR-TERM-A,B	50SF		215.243		EWR-124.017	BID	92-COM	FP	SAFEWAY ENVIRONMENTAL CORP.	20000
1	AVIATION	EWR	STRUCTUAL BEAMS AND DECKING ABOVE CEILING	EWR-TERM-B	150SF		215.244		NB-110.095	MAIN/SUB	PLANNING	FP		6000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	EWR	NEAR COLUMN 22-D ABOVE FORMER BANK LOCATION, AND COL21 ABOVE US AIR GIFT SHOP&OFFICE, CURRENTLY VACANT	EWR-TERM-A	150SF/150SF		215.246		EWR-124.017	MAIN/SUB	93-COM	FP/FP	BERGEN TECHNOLOGY	25000
1	AVIATION	EWR	5 AREAS THROUGHOUT TERMINAL (SEE INDIVIDUAL W.O.S'A-E FOR SPECEFIC AREA LOCATIONS	EWR-TERM-B	485SF		215.247		EWR-124.017	MAIN/SUB	93-COM	FP	BERGEN TECHNOLOGY	72500
1	AVIATION	JFK	AMERICAN AIRLINES BASEMENT, MAKE UP BAGGAGE AREA	JFK-056,057	5400SF/300LF/		215.248		Y-6480B	TAA	93-COM	VAT/PIPE/FITTINGS/TRANSITE/CEILING PLASTER	GUARANTEED CLEAN AIR	480000
1	AVIATION	JFK	AMERICAN AIR MEZZANINE & DEPARTURE LEVEL	JFK-056,057	1900SF		215.249		Y-6480C	TAA	93-COM	FP	GCA	130000
1	AVIATION	JFK	1ST CLASS LOUNGE & CROWN ROOM	JFK-053	140SF/5400SF		215.252		Y-6566A	TAA	PROGRESS	VAT/FP	CST ENVIRONMENTAL	185000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	FLIGHT CENTER EXPANSION-CON COURSE LEVEL	JFK-053	14000SF		215.254		Y-6566.01A	TAA	94-COM	SPRAY ON FP	ACS	455000
1	AVIATION	EWR	ARRIVAL & DEPARTURE LEVELS 3 LOCATIONS CEILING ACCESS OPENINGS	EWR-TERM-B	100SF		215.255		EWR-110.045	BID	93-COM	FP CEILING TILES	GUARDIAN ENVIRONMENTA L	21500
1	AVIATION	EWR	CONCOURSE LEVEL, LINDENBURGH LOUNGE	EWR-TERM-B	5700SF		215.256		MF-415.750	BID	93-COM	PLASTER & FP	ACS	6000
1	AVIATION	JFK	MER AND 3RD FLOOR HALLWAY	JFK-079-HANGA	1500SF/770LF/		215.258		Y-6350D	TAA	93-COM	ACOUSTICAL	CST ENVIRONMENTA L	50000
1	AVIATION	JFK	INISDE OPERATIONS OFFICE	JFK-053	3500SF/1500/7		215.260		Y-6566B	TAA	93-COM	VAT/FITTINGS /DUCT/FP	ACS	232000
1	AVIATION	JFK	DELTA AIRLINES; CROWN ROOM	JFK-053	220SF/6745SF		215.267		Y-6566.05A	TAA	93-COM	VAT/FP	GCA	100000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
[redacted]														
1	AVIATION	JFK	DELTA AIRLINES, TERMINAL RENOVATIONS; RAMP, GROUND FLOOR, CONCOURSE LEVEL	JFK-054	3900SF/5200SF		215.273		Y-6565A	TAA	94-COM	VAT/TRANSITE /FP/PIPING/P IPE ELBOWS	GUARANTEED CLEAN AIR	0
[redacted]														

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	AMERICAN AIR EAST & WEST VESTIBULES	JFK-056	600SF		215.281		Y-6480H	TAA	93-COM	CEILING PLASTER	GUARANTEED CLEAN AIR	45000
1	AVIATION	EWR	UNITED AIRLINES - TOILETS IN TERMINAL A & SATELLITES & ENTRANCES	EWR-TERM-A	1500SF		215.282		NA-178	TAA	PROGRESS	FP	COMPREHENSIVE ENVIRONMENTAL	315000
1	AVIATION	JFK	VECHICLE CONCOURSE, BETWEEN COLUMN LINES 17 & 25	JFK-055	25SF/9,800SF		215.301		EXD-100.374	CALLIN	90-COM	FP/SURFACE AREA CLEANED OF FP FALLOUT	BRANCH	2922
1	AVIATION	JFK	EASTERN AIRLINES TERMINAL- 2ND FLOOR	JFK-055			215.303		EXD-100.374	CALLIN	90-COM	FALLOUT	BRANCH	816
1	AVIATION	JFK	EASTERN AIRLINES TERMINAL - 2ND FLOOR	JFK-055			215.304		EXD-100.374	CALLIN	90-COM	ACOUSTICAL	BRANCH	99306
1	AVIATION	EWR	NORTH WEST QUADRANT STOCK ROOM	EWR-011	200SF		215.309		EXD-100.375	CALLIN	91-COM	FP	QAR	8000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	UNITED AIRLINES UNIT TERMINAL	JFK-056	4SF		215.310		EXD-100.374	CALLIN		CEMENT PLASTER	BRANCH	0
1	AVIATION	JFK	IAB - EAST WING, GATE 9 DUTY FREE SHOP	JFK-IAB-052	150SF		215.312		EXD-100.374	CALLIN		SPRAYED ON ACOUSTICAL CEILING PLASTER	BRANCH	0
1	AVIATION	JFK	EAST WING - VICINITY OF COOKIE SHOP	JFK-IAB-052	10SF		215.314		EXD-100.374	CALLIN		PLASTER CEILING	BRANCH	0
1	AVIATION	JFK	VARIOUS LOCATIONS	JFK-IAB-052	8SF		215.315		EXD-100.374	CALLIN		SPRAY ON CEILING PLASTER	BRANCH	25000
1	AVIATION	JFK	IAB-WEST WING	JFK-IAB-052	2000SF		215.316		EXD-100.374	CALLIN		CEILING	BRANCH	29000
1	AVIATION	JFK	IAB-WEST WING	JFK-IAB-050	8SF		215.317		JFK-215.550	CALLIN		CEILING	ACS	4000
1	AVIATION	JFK	WEST WING HOST RESTAURANT	JFK-IAB-050	4SF		215.318		JFK-215.550	CALLIN		ACOUSTICAL	ACS	1800
1	AVIATION	LGA	3RD FLOOR	LGA-CTB			215.319		LGA-215.720	CALLIN			ACS	7500

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	AUXILIARY EXPANSION TANK AREA	JFK-049	60SF		215.320		JFK-215.550	CALLIN		FALLOUT	ACS	4700
1	AVIATION	JFK	CARGO PLAZA ROAD, BY BLDG 81	JFK-081	40CY		215.321		JFK-215.550	CALLIN	91-COM	CEMENT PLASTER CEILING	ACS	14000
1	AVIATION	JFK	PAN AMERICAN LOBBY	JFK-HANGAR-01			215.324		JFK-215.550	CALLIN		ACOUSTICAL PLASTER	ACS	0
1	AVIATION	LGA	3RD FLOOR EAST END JANITOR'S CLOSET	LGA-CTB-020	100SF/15		215.329		LGA-215.720	CALLIN		FP/FITTINGS	ACS	0
1	AVIATION	LGA	2ND FLOOR CTB HALLWAY WEST END ADJACENT TO FINGER 1	LGA-CTB-077	70 SF	50 SF FP	215.332		LGA-215.720	CALLIN		SPRAYED FIRE PROOFING	ACS	0
1	AVIATION	JFK	BLDG 50/52 IAB @ GATE #9, WEST WING	JFK-IAB-050,0	8SF CHRYS.		215.333		JFK-215.550	CALLIN	92-COM	CEILING PLASTER	ACS	1500
1	AVIATION	LGA	3RD FLOOR STAIRWAY #3 AT ROOF DOOR	LGA-CTB	10SF		215.341		LGA-215.720	CALLIN	92-COM	FALLOUT	ACS	0

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
[redacted]														
1	AVIATION	JFK	DELTA CUSTOMS AREA-MER BLDG 54	JFK-054	20'X 60' AREA	215.358		JFK-215.550	CALLIN	93-COM	FALLOUT	AWT (ACS)		1500

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	GATE 34 - 2ND FLOOR IAB	JFK-IAB-050,0	150SF		215.359		JFK-215.550	CALLIN	93-COM	CEMENT CEILING PLASTER	AWT	17000
1	AVIATION	JFK	TWA DOMESTIC TERMINAL B - CEILING ACCESS OPENINGS	JFK-058-HANGA	12 ACCESS	48SF-ABATED,	215.509	WO #9	JFK-215.500	CALLIN	90-COM	ACOUSTICAL PLASTER/FP	OGDEN ALLIED	29670
1	AVIATION	JFK	TWA TERMINAL - CEILING ACCESS OPENINGS	JFK-060	28 ACCESS		215.511	WO #11	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	25000
1	AVIATION	JFK	US CUSTOMS CEILING ACCESS OPENINGS	JFK-178	18 ACCESS		215.514	WO #14	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	23000
1	AVIATION	JFK	NO EAST CORNERS	JFK-IAB-050	10 BAGS	10 CU YDS	215.516	WO #16	JFK-215.500	CALLIN	89-COM	FP - FALLOUT	OGDEN ALLIED	3000
1	AVIATION	JFK	GATE #S 9,16,29 & 35 PLANE-MATE DOORS	JFK-IAB-050	4 GATES		215.518	WO #18	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	29000
1	AVIATION	JFK	PAN AM	JFK-HANGAR-19	72SF		215.519	WO #19	JFK-215.500	CALLIN	90-COM	FP	OGDEN ALLIED	10000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			AIRLINES HANGER 019 - BLOCK HOUSE OFFICE AREA											
1	AVIATION	JFK	UNITED AIRLINES TERMINAL AREAS	JFK-056	60 ACCESS		215.520	WO #20	JFK-215.500	CALLIN	ON-HOLD	ACOUSTICAL PLASTER	OGDEN ALLIED	99000
1	AVIATION	JFK	BRITISH AIRWAYS TERMINAL AREA	JFK-059	20 & 8 ACCESS		215.522	WO #22	JFK-215.500	CALLIN		ACOUSTICAL PLASTER/FP	OGDEN ALLIED	35000
1	AVIATION	JFK	EAST WING BLDG-2ND FLOOR	JFK-IAB-051	2600SF		215.533	WO #33	JFK-215.500	CALLIN	90-COM	ACOUSTICAL PLASTER	OGDEN ALLIED	100000
1	AVIATION	JFK	WEST WING 2ND FLOOR	JFK-IAB-052	2600SF		215.534	WO #34	JFK-215.500	CALLIN	90-COM	ACOUSTICAL PLASTER	OGDEN ALLIED	100000
1	AVIATION	JFK	2ND FLOOR OF IAB	JFK-IAB-050	71 ACCESS		215.535	WO #35	JFK-215.500	CALLIN	91-COM	ACOUSTICAL PLASTER	OGDEN ALLIED	116000
1	AVIATION	JFK	PUBLIC AREA - 2ND FLOOR	JFK-IAB-050	420SF		215.536	WO #36	JFK-215.500	CALLIN		ACOUSTICAL PLASTER	OGDEN ALLIED	5000

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	AMERICAN AIRLINES TERMINAL AREA	JFK-057	50 & 60		215.551	WO #1	JFK-215.550	CALLIN	ON-HOLD	FP	ACS	46000
1	AVIATION	JFK	EMERY AIR FREIGHT	JFK-088	6 ACCESS		215.552	WO #2	JFK-215.550	CALLIN	CANCELLED	FP	ACS	4000
1	AVIATION	JFK	MARRIOT COMMISARY	JFK-139	15 ACCESS		215.553	WO #3	JFK-215.550	CALLIN		FP	ACS	9000
1	AVIATION	JFK	AERO ENTERPRISES COMMISSARY	JFK-146	16 ACCESS		215.554	WO #4	JFK-215.550	CALLIN	92-COM	FP	ACS	10000
1	AVIATION	JFK	PAN AM MATERIAL CTR	JFK-213	8 ACCESS		215.555	WO #5	JFK-215.550	CALLIN	92-COM	FP	ACS	6000
1	AVIATION	JFK	PAN AM GROUND EQUIPMENT MAINTENANCE GARAGE	JFK-214	10 ACCESS		215.556	WO #6	JFK-215.550	CALLIN	92-COM	FP	ACS	6000
1	AVIATION	JFK	PAN AM UNIT CARGO BLDG	JFK-067	18 ACCESS		215.557	WO #7	JFK-215.550	CALLIN		FP	ACS	12000
1	AVIATION	JFK	PAN AM JET	JFK-208	60 ACCESS		215.558	WO #8	JFK-215.550	CALLIN		FP	ACS	40000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			CTR											
1	AVIATION	JFK	PAN AM	JFK-067			215.564		JFK-215.550	CALLIN		FP FALLOUT	ACS	5000
1	AVIATION	JFK	BOILER ROOM/HEAT EXCHANGER	JFK-060	20SF/30LF		215.567	WO #17	JFK-215.550	CALLIN		FP/PIPE	ACS	8000
1	AVIATION	JFK	2ND FL PUBLIC LOUNGE/CORRID OR	JFK-IAB	300SF		215.568		JFK-215.550	CALLIN	CANCELLED	ACOUSTICAL CEILING PLASTER	ACS	0
1	AVIATION	JFK	JFK-051 & 052 (MERS #5 & 6 IN CRAWL SPACE),053,05 4,055,059,060	JFK-VARIOUS	5LF/47		215.569		JFK-215.550	CALLIN	92-COM	PIPE/FITTING S/ACOUSTICAL PLASTER	ACS	5000
1	AVIATION	JFK	PEDESTRIAN WALKWAY	JFK-053	8SF		215.570		JFK-215.550	CALLIN	92-COM	CEMENT	ACS	1800
1	AVIATION	JFK	BATHROOMS THROUGHOUT	JFK-IAB			215.573		JFK-215.550	CALLIN		ACOUSTICAL PLASTER/PIPE FITTINGS	ACS	9400
1	AVIATION	JFK	2ND FLOOR RESTROOMS OF	JFK-IAB-052	20000 SF		215.579		JFK-215.550	CALLIN		ACOUSTICAL PLASTER	ACS	100000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			WEST WING GATE 23 (ADJACENT TO GATE 32) & GATE 27, WEST WING GATE 32 & WEST FINGER AUXILLARY RESTROOM											
1	AVIATION	JFK	EAST FINGER - 2ND FLOOR - RESTROOMS - GATE 18	JFK-IAB-051	2000 SF		215.580		JFK-215.550	CALLIN			ACS	100000
1	AVIATION	JFK	WEST WING - 2ND FLOOR - RESTROOMS - GATE 34	JFK-IAB-052	2000 SF OF		215.581		JFK-215.550	CALLIN			ACS	100000
1	AVIATION	JFK	2ND FLOOR RESTROOMS OF EAST WING GATE 10,11, EAST FINGER GATE 18 & 19	JFK-IAB-051	2000 SF		215.582		JFK-215.550	CALLIN			ACS	100000
1	AVIATION	JFK	PASSENGER TERMINAL	JFK-IAB	270S		215.584		JFK-215.550	CALLIN		ACOUSTICAL PLASTER	ACS	15000
1	AVIATION	JFK	2ND FLOOR,WEST	JFK-IAB-052	13000SF		215.589		JFK-215.550	CALLIN	PLANNING	PLASTER CEILING	ACS	18200

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PART 1

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
			WING COORIDOR											
1	AVIATION	JFK	2ND FLOOR CORRIDOR,WEST WING,CTR TERMINAL & DUTY FREE	JFK-IAB-052	225SF		215.592		JFK-215.550	CALLIN	PLANNING	ACOUSTICAL PLASTER CEILING	ACS	30000
1	AVIATION	JFK	BLOOMIES EXPRESS VENDOR AREA	JFK-IAB	1800 SF		215.593		JFK-215.550	CALLIN	93-COM	CEILING PLASTER	ACS	18000
1	AVIATION	JFK	CHRP-ZONE IV BELOW GRADE	JFK-049			215.608		JFK-215.600	CALLIN				50000
1	AVIATION	JFK	AMERICAN AIRLINES	JFK-057	375SF, 30LF		215.616		JFK-215.600	CALLIN		FIREPROOFING , PIPE INSULATION	ACS	31000
1	AVIATION	JFK	WEST WING AND WEST FINGER, EXTERIOR CEILING AND SOFFITS	JFK-IAB-052	100 SPOT		215.617		JFK-215.590	CALLIN			ACS	149000
1	AVIATION	JFK	UTILITY ROOMS NOS 1,2,9,10	JFK-IAB-050	800LF, 215SF		215.619		JFK-215.550	CALLIN			ACS	64000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	BLDGS-49,53,54,58,59,60,IAB	JFK-VARIOUS	MISC		215.622		JFK-215.550	CALLIN			ACS	25000
1	AVIATION	LGA	ELECTRICAL SUBSTATIONS AND FIXED LIGHTING VAULTS	LGA-CTB-075,0	CLEANUP	9,717SF OF	215.701	LGA-01	LGA-215.700	CALLIN	PLANNING	FP	OGDEN ALLIED	50000
1	AVIATION	LGA	EAST WING-ELECTRICAL CLOSET ON MEZZ AREA BETWEEN 1ST & 2ND FLOORS	LGA-CTB-075	50SF	50SF	215.702	LGA-02	LGA-215.700	CALLIN		FP	OGDEN ALLIED	10000
1	AVIATION	LGA	3RD FL CENTER MER RM# 3790	LGA-CTB-089		1500SF OF	215.703	LGA-03	LGA-215.700	CALLIN		FALLOUT FP	OGDEN ALLIED	10000
1	AVIATION	LGA	EAST,CENTER,& WEST WING MERS	LGA-CTB			215.704	LGA-04	LGA-215.700	CALLIN			OGDEN ALLIED	0
1	AVIATION	LGA	3RD FL WEST WING UTILITY RMS,MERS BETWEEN COLUMNS 2 & 13	LGA-CTB			215.706		LGA-215.720	CALLIN		FP/DUCT/CEILING	ACS	0

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	LGA	US AIR BAGGAGE AREA	LGA-CTB			215.707		LGA-215.700	CALLIN			ACS	0
1	AVIATION	LGA	EAST WING ARRIVALS LEVEL	LGA-CTB-075	1 CU YD		215.708	WO 8	LGA-215.720	CALLIN	92-COM	FALLOUT	ACS	2500
1	AVIATION	LGA	3RD FLOOR WEST END NEAR ESCALATOR/PUB LIC CORRIDOR	LGA-CTB	20SF		215.710		LGA-215.720	CALLIN	92-COM	FP	ACS	7500
1	AVIATION	LGA	3RD FLOOR OFFICE RM 3677	LGA-CTB	3000 SF		215.713		LGA-215.720	CALLIN	92-COM	FP	ACS	120000
1	AVIATION	LGA	OLD COMPUTER ROOM- 3RD FL.	LGA-CTB-075	800SF		215.714		LGA-215.720	CALLIN	92-COM	FP	ACS	65000
1	AVIATION	LGA	TWA 2ND FL COLUMNS 33 & 34	LGA-CTB-075	14SF		215.716		LGA-110-100	CALLIN	PLANNING	FP	ASBESTOS PROS	7500
1	AVIATION	EWR	NORTH END-ARRIVALS AREA, CONCOURSE LEVEL AREAS	EWR-TERM-B	10000	2,552SF/1,60	215.901	NIA-001	EWR-215.400	CALLIN	89-COM	FP-ABATEMENT/FP - ENCAPSULATIO N/FP-CLEANING OF	BADE RICHARDSON	150000

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
												CEILING TILES		
1	AVIATION	EWR	SATELLITE 3-PATRON AREA	EWR-TERM-B	45000SF	/45,000SF	215.902	NIA-002	EWR-215.400	CALLIN	89-COM	FP/CLEANING OF CONTAMINATED CEILING STRUCTURES	BADE RICHARDSON	186000
1	AVIATION	EWR	CONNECTOR BETWEEN SATELLITE 3 AND CONCOURSE	EWR-TERM-B	10000SF	3,600SF	215.903	NIA-003	EWR-215.400	CALLIN	89-COM	FP	BADE RICHARDSON	40000
1	AVIATION	EWR	BAGGAGE HANDLING AREA	EWR-TERM-B	1080SF	1,080SF	215.904	NIA-004	EWR-215.400	CALLIN	89-COM	FP	BADE RICHARDSON	100000
1	AVIATION	EWR	TERMINAL B SATELLITE 3 EAST & WEST END OF CONNECTOR ONLY	EWR-TERM-B	600SF	1,556SF	215.909		EWR-503	BID	90-COM	FP	CERTIFIED	100000
1	AVIATION	EWR	UNDERSIDE OF ARRIVALS LEVEL FLOOR(PARKING LEVEL)	EWR-TERM-A	650SF	700SF	215.911		MF-415.500	CALLIN	90-COM	FP	CERTIFIED	80000

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PART 1

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	EWR	SATELLITE B3 PASSENGER LEVEL - US CUSTOMS AREA	EWR-TERM-B	< 10SF		215.912		EWR-215.920	CALLIN	91-COM	FP	DKP	6400
1	AVIATION	EWR	CUSTOMS ARRIVALS LEVEL-BAGGAGE CONNECTOR CEILING OVER ROADWAY	EWR-TERM-B	8SF		215.917		EWR-215.920	CALLIN	91-COM	FP FALLOUT	DKP	2049
1	AVIATION	EWR	TOILET AREA	EWR-TERM-B	400SF		215.918		EWR-215.920	CALLIN	PLANNING	FALLOUT	DKP	2400
1	AVIATION	EWR	BETWEEN TERMINALS UNDERSIDE FO SLABS AT VARIOUS LOCATIONS (SPOTS)	EWR-TERM-A,B	8SF		215.920		EWR-215.920	CALLIN	92-COM	FP	DKP	6000
1	AVIATION	EWR	ARRIVALS AREA,MER,VALV E ROOM,PUBLIC CUSTOMERS ENTRANCE	EWR-TERM-B	700SF		215.924		EWR-215.920	BID	PLANNING	FP	DKP	10
1	AVIATION	EWR	STEEL BEAM BETWEEN COLUMNS 24-25	EWR-TERM-B	6SF		215.925		EWR-215.920	CALLIN	92-COM	FP	DKP	2600

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	EWR	NATIONAL STATE BANK SPACE, CONCOURSE LEVEL	EWR-TERM-A	2000SF		215.934		MF-415.750	CALLIN	93-COM	FP	ACS	50000
1	AVIATION	EWR	CARGO AREA 1ST FLOOR	EWR-150	25 CU YDS		215.960		EWR-100.504	CALLIN	87-COM	FP	QAR	0
1	AVIATION	LGA	3RD FLOOR BETWEEN COLUMNS 16 & 19, SOUTH OF CORRIDOR, AND BETWEEN COLUMNS 17 & 24, NORTH OF CORRIDOR	LGA-CTB	10,000SF		215.961		G-1471	TAA		FP		0
1	AVIATION	LGA	UNITED - FINGER 2, GROUND LEVEL WEST SIDE OF FINGER FROM GATE 16 TO GATE 15 AREA	LGA-CTB-078	VERY SMALL		215.962		G-1527	TAA		FP		0
1	AVIATION	LGA	UNITED AIRLINES-GROUND LEVEL RAMP OPERATIONS	LGA-CTB-078	45SF		215.963		G-1605	TAA		FP	LVI/ATHENICA ENVIRO SRVS.	0

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Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost
1	AVIATION	JFK	BRITISH AIRWAYS	JFK-059	15SF		215.965		Y-5654	TAA		FP		3015
1	AVIATION	JFK	PAN AM INT'L RETAIL SHOP	JFK-053	200SF/25LF		215.966		Y-5813	TAA		FP/PIPE		0
1	AVIATION	JFK	AMERICAN AIR TERMINAL MAIN LOBBY SHOPS	JFK-057	400SF		215.967		Y-5823	TAA		FP	ENVIRO SAFE CORP.	90000
1	AVIATION	JFK	PAN AM EAST & WEST DELI	JFK-053	1000SF		215.968		Y-5784	TAA	88-COM	FP	HESCO	0
1	AVIATION	JFK	PASSENGER WALKWAY BRIDGE	JFK-PAN AM	200SF		215.969		Y-5906A	TAA	89-COM	FP	APED/ATC	0
1	AVIATION	JFK	LUFTANSA 1ST & 2ND FLS.	JFK-IAB	5885SF/600SF		215.970		Y-5808	TAA		FP	ARC	0
1	AVIATION	JFK	NORTH WEST AIRLINES AREA IN UNITED AIRLINES TERMINAL	JFK-056			215.971		Y-5966	TAA		FP	APED	0

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **215.625** Contract No.: **215.590**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **1**

Building: **54**

Area Description: **MECHANICAL ROOM**

Sample No.	Sample Description		Result
JFK-22550	GRAY CEMENTITIOUS PIPE INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED AT SENSOR LOCATION.	L-1	MINERAL WOOL, CELLULOSE, CACO3, QUARTZ, BINDER

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: Contract No.:

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **1**

Building: **54**

Area Description: **PAN AM, MAINTENANCE ROOM**

Sample No.	Sample Description		Result
JFK-4716	CEMENTIOUS (WHITE) MATERIAL CLINGING TO DUCT WORK PENETRATING WALL IN ELEVATOR EQUIPMENT ROOM	L-1	50% AMOSITE
JFK-4717	SOLID HARD WHITE MATERIAL ATTACHED TO DUCT WORK PENETRATING WALL ELEVATOR EQUIPMENT ROOM	L-1	1-3% AMOSITE 20% CHRYSOTILE
JFK-4718	CEMENTIOUS (WHITE) MATERIAL CLINGING TO DUCT WORK PENETRATING WALL IN ELEVATOR EQUIPMENT ROOM	L-1	50% AMOSITE
JFK-4719	FIBER LIKE MATERIAL INSULATING PIPES PENETRATING WALL IN ELEVATOR EQUIPMENT ROOM	L-1	CACO3 BINDER MINERAL WOOL CELLULOSE
JFK-4720	CEMENTIOUS PAPER WRAP MATERIAL INSULATING PIPES ONE FOOT FROM OTHER SIDE OF THE ELEVATOR EQUIPMENT ROOM	L-1	10% CHRYSOTILE 45% AMOSITE
JFK-4721	CEMENTIOUS JOINT PACKING INSULATING PIPES ONE FOOT FROM OTHER SIDE OF WALL OF THE ELEVATOR EQUIPMENT ROOM	L-1	50% AMOSITE 5% CHRYSOTILE
JFK-4722	WHITE POWER MATERIAL INSULATING DUCT WORK IN MAINTENENCE ROOM ON OTHER SIDE OF THE ELEVATOR EQUIPMENT ROOM	L-1	25% CHRYSOTILE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **N/A** Contract No.: **215.590**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **2**

Building: **54**

Area Description: **HOST RESTAURANT AND KITCHEN**

Sample No.	Sample Description		Result
JFK-30906	WHITE FIBROUS MATERIAL COLLECTED FROM THE BLOCK ON THE DUCT INSULATION, LOCATED ABOVE THE DROP CEILING IN THE HOST KITCHEN AREA.	L-1	20% AMOSITE 5% CHRYSOTILE
JFK-30907	WHITE FIBROUS MATERIAL COLLECTED FROM THE BLOCK ON THE DUCT INSULATION, LOCATED ABOVE THE DROP CEILING IN THE HOST KITCHEN AREA.	L-1	4% CHRYSOTILE 16% AMOSITE
JFK-30908	WHITE FIBROUS MATERIAL COLLECTED FROM THE BLOCK ON THE DUCT INSULATION, LOCATED ABOVE THE DROP CEILING IN THE HOST KITCHEN AREA.	L-1	5% CHRYSOTILE 20% AMOSITE
JFK-30909	WHITE FIBROUS MATERIAL COLLECTED FROM THE BLOCK ON THE DUCT INSULATION, LOCATED ABOVE THE DROP CEILING IN THE HOST KITCHEN AREA.	L-1	22% AMOSITE 5% CHRYSOTILE
JFK-30910	CEMENTITIOTS SEAM INSULATION COLLECTED FROM THE KITCHEN DUCT, LOCATED IN THE HOST KITCHEN AREA.	L-1	30% CHRYSOTILE TRACE AMOSITE
JFK-30911	CEMENTITIOTS SEAM INSULATION COLLECTED FROM THE KITCHEN DUCT, LOCATED IN THE HOST KITCHEN AREA.	L-1	15% CHRYSOTILE
JFK-30912	CEMENTITIOTS SEAM INSULATION COLLECTED FROM THE KITCHEN DUCT, LOCATED IN THE HOST KITCHEN AREA.	L-1	25% CHRYSOTILE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **N/A** Contract No.: **215.590**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **BASEMENT**

Building: **54**

Area Description: **CORE 'B' TRANSFORMER ROOM - RAMPSIDE**

Sample No.	Sample Description		Result
JFK-26913	GRAY CEMENTITIOUS CEILING PLASTER MATERIAL COLLECTED FROM THE CENTER OF THE CEILING.	L-1	CACO3, QUARTZ
JFK-26914	GRAY CEMENTITIOUS CEILING PLASTER MATERIAL COLLECTED FROM ABOVE THE CENTER DOORWAY.	L-1	CACO3, QUARTZ
JFK-26915	GRAY CEMENTITIOUS CEILING PLASTER MATERIAL COLLECTED FROM ABOVE THE CENTER DOORWAY.	L-1	CACO3, QUARTZ

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: Contract No.:

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **BASEMENT**

Building: **54**

Area Description: **TRANSFORMER ROOM**

Sample No.	Sample Description		Result
JFK-16887	WHITE FIBROUS DUCT INSULATION MATERIAL COLLECTED FROM A DUCT, LOCATED BY THE SOUTH CORNER ENTRANCE PREFORMED SECTION.	L-1	44% AMOSITE
	WHITE FIBROUS DUCT INSULATION MATERIAL COLLECTED FROM A DUCT, LOCATED BY THE SOUTH CORNER ENTRANCE PREFORMED SECTION.	L-2	1% CHRYSOTILE
JFK-16888	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE SOUTH CORNER OF THE ROOM, NEXT TO THE TRANSFORMER, PIPE RUN "A".	L-1	MINERAL WOOL CELLULOSE CACO3 QUARTZ DIATOM OPAQUES
JFK-16889	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE SOUTH CORNER OF THE ROOM, NEXT TO THE TRANSFORMER, PIPE RUN "B".	L-1	MINERAL WOOL CELLULOSE CACO3 QUARTZ DIATOM OPAQUES
JFK-16890	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE WEST SIDE OF THE ROOM, ADJACENT TO THE TRANSFORMER, PIPE RUN "B".	L-1	TRACE CHRYSOTILE
JFK-16891	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE NORTH WALL OF THE ROOM, PIPE RUN "A".	L-1	MINERAL WOOL CELLULOSE CACO3 QUARTZ DIATOM OPAQUES
JFK-16892	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE NORTH WALL OF THE ROOM, PIPE RUN "D".	L-1	MINERAL WOOL CELLULOSE CACO3 QUARTZ DIATOM OPAQUES
JFK-16893	BROWN CLOTH LIKE MATEIRAL COLLECTED FROM THE OUTER WRAPPING OF THE PIPE FITTING, LOCATED BY THE SOUTH SIDE OF THE ROOM.	L-1	CELLULOSE CAOC3 QUARTZ OPAQUES (PAINT)
JFK-16894	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE, LOCATED BY THE NORTH SIDE OF THE ROOM, PIPE RUN "E".	L-1	20% AMOSITE
	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE, LOCATED BY THE NORTH SIDE OF THE ROOM, PIPE RUN "E".	L-2	15% CHRYSOTILE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: Contract No.:

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **BASEMENT**

Building: **54**

Area Description: **TRANSFORMER ROOM**

Sample No.	Sample Description		Result
JFK-16895	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE NORTH SIDE OF THE ROOM, PIPE RUN "E".	L-1	25% CHRYSOTILE
JFK-16896	WHITE FIBROUS INSULATION MATERIAL COLLECTED FROM A PIPE FITTING, LOCATED BY THE NORTH SIDE OF THE ROOM, ADJACENT TO THE WALL, PIPE RUN "F".	L-1	30% CHRYSOTILE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **215.609** Contract No.: **N/A**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **BELLOW GROUND**

Building: **54**

Area Description: **TERMINAL 1A, VALVE PIT**

Sample No.	Sample Description	Result
JFK-15578	GRAY HARD FOAM-LIKE PIPE INSULATION MATERIAL COLLECTED FROM PIPE RUN "A".	L-1 ORG 0.1%, ACID SOL INORG 9.9%, INSOL INORG 90.0%
JFK-15579	FOIL BACKED TAR MATERIAL COLLECTED FROM OUTER LAYER OF PIPE RUN "A".	L-1 <1% CHRYSOTILE
JFK-15660	FOIL BACKED TAR MATERIAL COLLECTED FROM OUTER LAYER OF PIPE RUN "B".	L-1 ORG 29.1%, ACID SOL INORG 31.4%, INSOL INORG 39.5%
JFK-15661	FOIL BACKED TAR MATERIAL COLLECTED FROM OUTER LAYER OF PIPE RUN "S".	L-1 ORG 94.5%, ACID SOL INORG 0.7%, INSOL INORG 4.8%
JFK-15662	CLOTH-LIKE ELBOW WRAP MATERIAL COLLECTED FROM PIPE RUN "A".	L-1 ORG 89.8%, ACID SOL INORG 2.0%, INSOL INORG 8.2%
JFK-15663	CLOTH-LIKE ELBOW WRAP MATERIAL COLLECTED FROM PIPE RUN "B".	L-1 ORG 78.7%, ACID SOL INORG 3.1%, INSOL INORG 18.2%
JFK-15664	CLOTH-LIKE ELBOW WRAP MATERIAL COLLECTED FROM PIPE RUN "S".	L-1 ORG 28.1%, ACID SOL INORG 26.7%, INSOL INORG 45.2%
JFK-15665	FIBERGLASS MATERIAL COLLECTED FROM OUTER COVERING OF PIPE RUN "A".	L-1 ORG 64.3%, ACID SOL INORG 2.1%, INSOL INORG 33.6%
JFK-15666	CLOTH WRAP MATERIAL COLLECTED FROM LOWER ELBOW OF PIPE RUN "A".	L-1 ORG 34.7%, ACID SOL INORG 8.8%, INSOL INORG 56.5%
JFK-15667	RUBBER PIPE WRAP MATERIAL COLLECTED FROM LOWER RUN OF PIPE RUN "A".	L-1 ORG 82.9%, ACID SOL INORG 1.0%, INSOL INORG 16.1%

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **215.609** Contract No.: **N/A**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **BELLOW GROUND**

Building: **54**

Area Description: **TERMINAL 1A, VALVE PIT**

Sample No.	Sample Description	Result
JFK-15668	RUBBER PIPE WRAP MATERIAL COLLECTED FROM LOWER RUN OF PIPE RUN "B".	L-1 ORG 89.6%, ACID SOL INORG 0.5%, INSOL INORG 9.9%
JFK-15669	CLOTH WRAP MATERIAL COLLECTED FROM LOWER ELBOW OF PIPE RUN "S".	L-1 ORG 38.3%, ACID SOL INORG 4.5%, INSOL INORG 57.2%
JFK-15670	GRAY HARD FOAM-LIKE MATERIAL COLLECTED FROM LOWER PIPE OF PIPE RUN "A".	L-1 ORG 2.2%, ACID SOL INORG 4.7%, INSOL INORG 93.1%

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **N/A** Contract No.: **N/A**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **GROUND**

Building: **54**

Area Description: **ARRIVALS LEVEL**

Sample No.	Sample Description		Result
JFK-22227	HARD GRAY CONCRETE-LIKE MATERIAL COLLECTED FROM THE EAST SIDE OF SOFFIT, LOCATED IN THE AREA BETWEEN THE AUTOMATIC DOORS.	L-1	MINERAL WOOL, CELLULOSE, VERMICULITE, CACO3, QUARTZ, BINDER, PAINT
JFK-22228	HARD GRAY CONCRETE-LIKE MATERIAL COLLECTED FROM THE CENTER PART OF SOFFIT, LOCATED IN THE AREA BETWEEN THE AUTOMATIC DOORS.	L-1	MINERAL WOOL, CELLULOSE, CACO3, QUARTZ, BINDER, PAINT
JFK-22229	HARD GRAY CONCRETE-LIKE MATERIAL COLLECTED FROM THE WEST SIDE OF SOFFIT, LOCATED IN THE AREA BETWEEN THE AUTOMATIC DOORS.	L-1	MINERAL WOOL, CELLULOSE, CACO3, QUARTZ, BINDER
JFK-22230	HARD GRAY CEMENTITIOUS MATERIAL COLLECTED FROM THE PATCHING BY THE EAST SIDE OF THE VERTICAL SOFFIT, LOCATED BY THE EAST AUTOMATIC DOORS.	L-1	MINERAL WOOL, CELLULOSE, CACO3, BINDER, PERLITE
JFK-22231	GRAY EASILY CRUMBLED-BY-HAND MATERIAL COLLECTED FROM THE PATCHING BY THE EAST SIDE OF THE HORIZONTAL SOFFIT, LOCATED BY THE EAST AUTOMATIC DOORS.	L-1	MINERAL WOOL, CELLULOSE, CACO3, BINDER, PERLITE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: **215.599** Contract No.: **215.590**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **GROUND**

Building: **54**

Area Description: **ELECTRICAL ROOM & PASSAGE CORRIDOR**

Sample No.	Sample Description		Result
JFK-23815	OFF-WHITE CEMENTITIOUS PIPE FITTING MATERIAL COLLECTED FROM A 7' HIGH PIPE, LOCATED AT THE ELECTRICAL ROOM ENTRANCE.	L-1	MINERAL WOOL, CELLULOSE, CACO3, QUARTZ, BINDER
JFK-23816	OFF-WHITE CEMENTITIOUS PIPE FITTING MATERIAL COLLECTED FROM A 7' HIGH PIPE, LOCATED ALONG POWER PANEL IN ELECTRICAL ROOM.	L-1	MINERAL WOOL, CELLULOSE, CACO3, QUARTZ, BINDER
JFK-23817	GRAY FIBROUS FIREPROOFING MATERIAL COLLECTED FROM THE EAST PASSAGE CORRIDOR, LOCATED BY GATE #24.	L-1	25% CHRYSOTILE

Result NAD indicates no asbestos detected

THE PORT AUTHORITY OF NY & NJ

Engineering Department
Environmental Field Operations
Asbestos Sample Data Sheet

Charge Code: Job #.: Contract No.: **110.111**

Facility: **JOHN F. KENNEDY INTERNATIONAL AIRPORT** Floor: **GROUND**

Building: **54**

Area Description: **GROUND LEVEL BAGGAGE AREA**

Sample No.	Sample Description		Result
JFK-5219	HARD GRAY MATERIAL TAKEN FROM HIGH TENSION CABLE DUCT BANK, UNDER CONCRETE SLAB BEHIND TRANSFORMER ROOM, CORE "B".	L-1	50% CHRYSOTILE 15% CROCIDOLITE
JFK-5220	FLUFFY WHITE DEBRIS TAKEN FROM BROKEN CONCRETE SLAB FLOOR, BEHIND TRANSFORMER ROOM, CORE "B".	L-1	65% AMOSITE 5% CHRYSOTILE
JFK-5221	CONCRETE DEBRIS TAKEN FROM BROKEN SLAB FLOOR, BEHIND TRANSFORMER ROOM, CORE "B".	L-1	CACO3 QUARTZ CELLULOSE

Result NAD indicates no asbestos detected

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.600

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: 1

Building: 54

Area Description: MECHANICAL EQUIPMENT ROOM,EMERGENCY EXIT

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.625

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: 1

Building: 54

Area Description: MECHANICAL ROOM

Length | Width | Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: 1

Building: 54

Area Description: MECHANICAL ROOM

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: _____

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: 1

Building: 54

Area Description: PAN AM, MAINTENANCE ROOM

Length | Width | Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: 2

Building: 54

Area Description: HOST RESTAURANT AND KITCHEN

Length 0.00 Width 0.00 Height 0.00

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: BASEMENT

Building: 54

Area Description: CORE 'B' TRANSFORMER ROOM - RAMPSIDE

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.600

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: BASEMENT

Building: 54

Area Description: MECHANICAL EQUIPMENT ROOM

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream
- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: _____

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: BASEMENT

Building: 54

Area Description: TRANSFORMER ROOM

Length | Width | Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: N/A

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: BELLOW GROUND

Building: 54

Area Description: TERMINAL 1A, VALVE PIT

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: N/A

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: GROUND

Building: 54

Area Description: ARRIVALS LEVEL

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: GROUND

Building: 54

Area Description: ELECTRICAL ROOM & PASSAGE CORRIDOR

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____

Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT

Floor: GROUND

Building: 54

Area Description: GATE 24 - RAMPSIDE ELECTRICAL CLOSET

Length | Width | Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 215.590

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: GROUND

Building: 54

Area Description: GATE 24 - RAMPSIDE PASSAGE

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

The Port Authority of NY & NJ

Engineering Department
Environmental Field Operations
Facility Asbestos Site-Specific Survey

Charge Code: _____ Contract No.: 110.111

Facility: JOHN F. KENNEDY INTERNATIONAL AIRPORT Floor: GROUND

Building: 54

Area Description: GROUND LEVEL BAGGAGE AREA

Length Width Height

Form of PACM

- ___ None
- ___ Sprayed-On
- ___ Troweled-On
- ___ Wet Plaster
- ___ Air Cell
- ___ Cementitious
- ___ Pads
- ___ Molded Sections
- ___ Tile
- ___ Mastic
- ___ Transite
- ___ Cloth Wrap
- ___ Felt Paper
- ___ Other

Ceiling Type

- ___ Metal Decking
- ___ Concrete Slab
- ___ Wood
- ___ Acoustical Tiles
- ___ Stucco/Plaster
- ___ Wall Board
- ___ Other

Ceiling Shape

Location

- ___ Structural Beams
- ___ Metal Decking
- ___ Columns
- ___ Thermal System Insulation
- ___ Pipe Insulation
- ___ Duct
- ___ Pipe Fittings
- ___ Shaft
- ___ Ceiling
- ___ Floor Tile
- ___ Roof

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ In the HVAC Air Stream

- ___ Exposed
- ___ In Plenum
- ___ In Return Air Plenum
- ___ Other

Condition of PACM

On Metal Decking, Columns, Beams, and/or Slab

- ___ Intact
- ___ Encapsulated
- ___ Enclosed
- ___ Hanging
- ___ Shaved Areas
- ___ Water Damage
- ___ Delamination
- ___ Fallout
- ___ Overspray
- ___ Other

On Thermal System Insulation

- ___ Intact
- ___ Encapsulated
- ___ Fallout
- ___ Cracked
- ___ Crumbling
- ___ Shaved Areas
- ___ Hanging
- ___ Water Damage
- ___ Other

AHERA Codes

- ___ 1. Damaged or Significantly Damaged Thermal System Insulation ACM.
- ___ 2. Damaged Friable Surfacing ACM.
- ___ 3. Significantly Damaged Friable Surfacing ACM.
- ___ 4. Damaged or Significantly Damaged Friable Miscellaneous ACM.
- ___ 5. ACBM With Potential For Damage.
- ___ 6. ACBM With Potential For Significant Damage.
- ___ 7. Any Remaining Friable ACBM or Friable Suspected ACBM

Special Sampling Equipment: _____

Sampling Numbers: _____

Total Pipe Insulation:	N/A	L. Ft
Total Area of Steel Fireproofing:	N/A	Sq. Ft
Total Area of Metal Deck Fireproofing:	N/A	Sq. Ft
Thermal System Insulation	N/A	Sq. Ft
Misc. Totals: _____	N/A	Sq. Ft

PA Classifications

- ___ Immediate Response
- ___ Priority
- ___ O & M
- ___ Control Condition _____
- ___ Area Abated
- ___ No ACM Found in Samples

Comments:

Port Authority's Inspector(s): _____

PA 3742
5-98R

NORTHWEST AIRLINES TERMINAL

BUILDING 54

FINDINGS AND OBSERVATIONS

BUILDING 54 - NORTHWEST AIR TERMINAL

The Northwest Air Terminal is a three level, cinder block and concrete structure. It was constructed in 1962 and encompasses 240,000 square feet. It consists of large open areas and offices. The building is heated with hot water forced-air and cooled with chilled water. The perimeter office areas utilize radiant hot water heating. The high temperature hot water and chilled water are supplied from the Central Heating and Refrigeration Plant. Tenants in this building include Northwest Airlines, Delta, MGM Grand Am, Marriott Host, and IDF Services.

Building materials which have been confirmed by laboratory analysis to contain asbestos include tank insulation, magnesia pipe covering with mudded joint packings, spray-applied fireproofing, mudded joint packings associated with fiberglass-insulated piping, duct insulation, and sprayed acoustical plaster.

Asbestos-containing sprayed fireproofing was found on the operations level. The fireproofing is subject to damage from vibrations of vehicles and jet engines. An air plenum is blowing directly onto the material near conveyor belts, which may loosen the material. Asbestos-containing magnesia pipe covering with mudded joint packings were found in the food storage room on the operations level. The materials were in poor condition with damaged elbows and exposed pieces hanging from the pipe lagging. Asbestos-containing spray-applied fireproofing was observed on the building perimeter overhang. The material has been damaged from exposure to the elements as well as baggage handlers. Vibrations from wind and jet engines may cause loosening of the material. All these areas are of significant concern and are classified as Priority Level I. Hall-Kimbrell recommends that the materials in these areas be removed as soon as possible.

Asbestos-containing duct insulation was observed in the southwest penthouse mechanical room. The material is one inch thick trowelled-on plaster which is susceptible to contact damage. This area has been classified as Priority Level II. Hall-Kimbrell recommends any damaged areas be repaired and the material included in an operations and maintenance program until removed during a phased abatement.

Asbestos-containing tank insulation on various hot water tanks in the operations level mechanical room, magnesia pipe covering with mudded joint packings on hot water and domestic water piping, duct insulation in the mezzanine and penthouse mechanical rooms, vinyl floor tiles, and sprayed acoustical plaster in the mezzanine lounges exhibited isolated areas of contact and water damage. All these areas have been classified as either Priority Level III or IV. The damaged areas should be repaired as needed and the materials included in an operations and maintenance program until they are removed under a phased abatement.

Transite-type panels were observed on the interior jetway walls. These panels could not be sampled without creating severe cosmetic damage. They are cementitious and present little health hazard unless sawn, sanded, drilled, or in any other way altered causing release of fibers. The panels should be treated as asbestos-containing until they are analyzed prior to demolition or renovation.

Materials in this building which were determined nonasbestos-containing include acoustical tiles, mudded joint packings associated with nonsuspect pipe covering, ceiling panels used in the drop ceiling systems, weatherproof coating on steel, tank insulation on various hot water tanks, duct insulation, and pipe covering with mudded joint packings.

Please refer to the spreadsheets for material locations and quantities, and specific area comments.

COST ESTIMATE - BUILDING 54

Removal of all asbestos-containing materials in Priority Levels I and II and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$6,143,829
10% Contingency	$614,383
Total Removal/Replacement with Contingency	$6,758,212

The above total eost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $6,758,212	$439,284
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,172 8-hour shifts:	
1,172 X $490	$574,280
Reimbursable out-of-pocket and travel related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $6,758,212	$135,164
Total Project Estimate Including Professional Fees and Contingency	$7,906,940

COST ESTIMATE - BUILDING 54

Removal of all asbestos-containing materials in Priority Level III and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$798,500
10% Contingency	$79,850
Total Removal/Replacement with Contingency	$878,350

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.7% of Total Construction Cost:

6.7% X $878,350	$58,849

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 156 8-hour shifts:

156 X $490	$76,440

Reimbursable out-of-pocket and travel related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $878,350	$17,567

Total Project Estimate Including Professional Fees and Contingency	$1,031,206

COST ESTIMATE

BUILDING 54 - NORTHWEST TERMINAL AIR

Removal of all asbestos-containing materials in Priority Level IV and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$2,047,684
10% Contingency	$204,768
Total Removal/Replacement with Contingency	$2,252,452

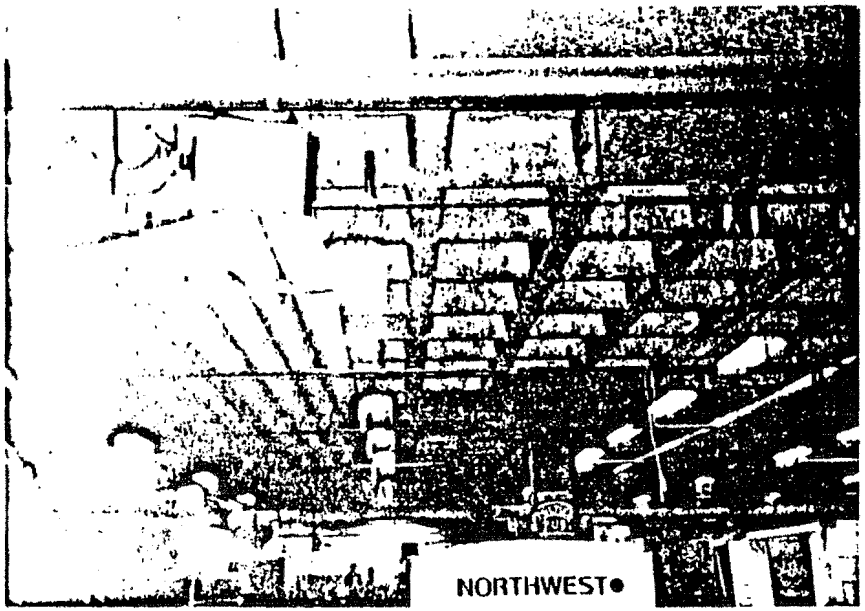
The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $2,252,452	$146,409
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 390 8-hour shifts:	
390 X $490	$191,100
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $2,252,452	$45,049
Total Project Estimate Including Professional Fees and Contingency	$2,635,010

PHOTOGRAPH LOG

BUILDING 54 - NORTHWEST AIR TERMINAL

Picture #	Description
1	Northwest Air Terminal, runway area, loading ramp, coating on steel.
2	Northwest Air Terminal, runway area, building overhang, fireproofing.
3	Northwest Air Terminal, Operations Level, baggage handling area, fireproofing and piping.
4	Northwest Air Terminal, Operations Level, Delta drink storage, damaged magnesia pipe covering.
5	Northwest Air Terminal, Concourse Level, 1' by 1' acoustical tiles.



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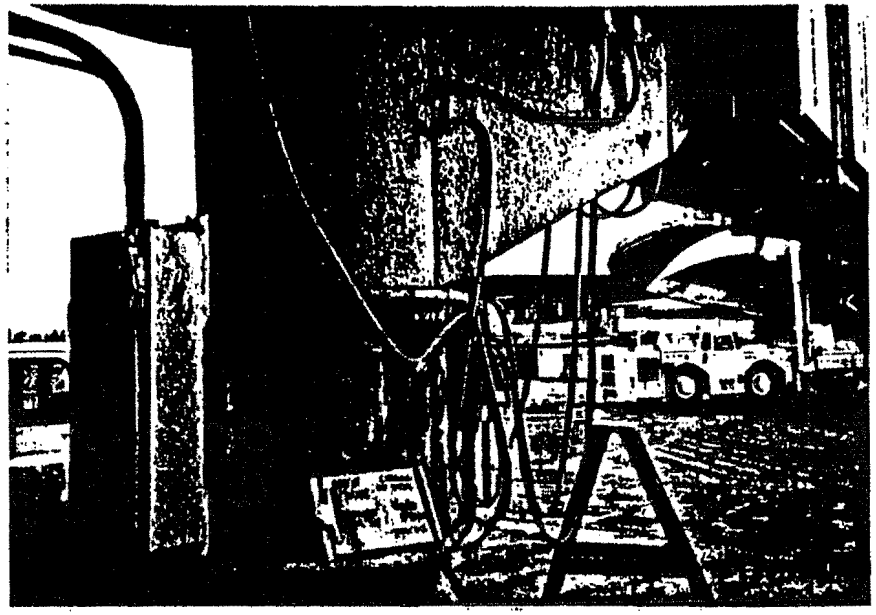

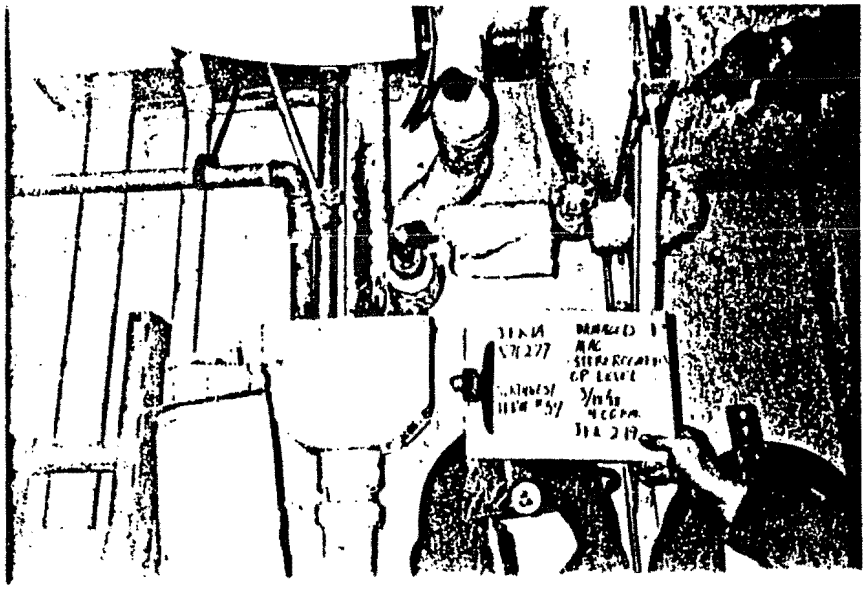

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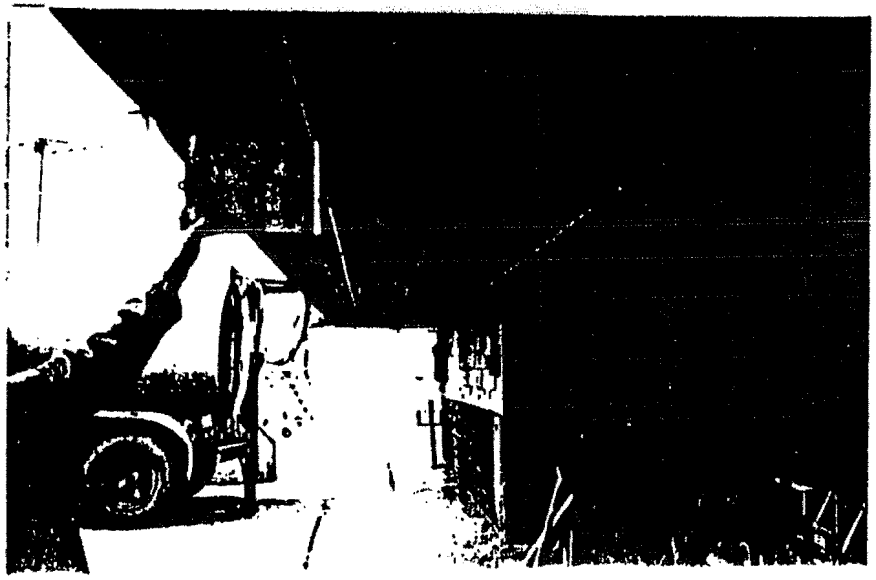
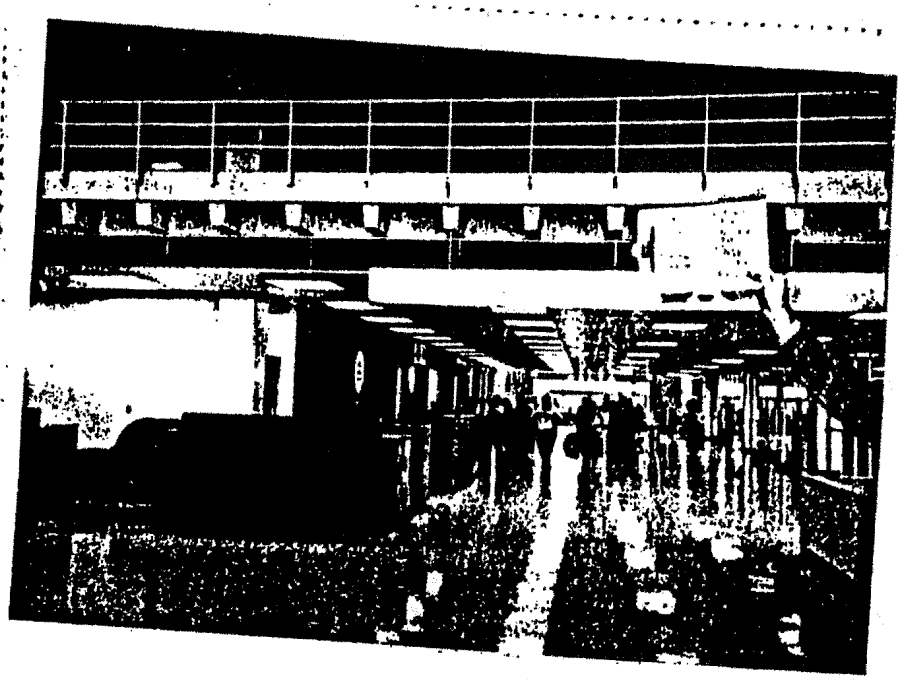


C-LINE #52584
35MM PRINTS

54



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KALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 054

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER			TOTAL
2 -174405	Y	N	0						60				30	10 GM			100
2 -174406	Y	N	0						60				30	10 GM			100
3 -174407	Y	N	0						65				35				100
3 -174408	Y	N	0						65				35				100
3 -174409	Y	N	0						65				35				100
0 -174410	N	N	0						45	30		20	5				100
0 -174411	N	N	0						85	10			5				100
0 -174412	N	N	0						10	60			5	10 GM	TAR	15	100
1 -379376	N	N	0							5			15	35 GM	TA	45	100
0 -379381	N	Y	3	3									28	69 CA			100
0 -379382	N	Y	10	10									29	59 CA	TA	2	100
0 -379383	N	Y	15	15									30	55 CA			100
0 -379384	N	Y	2	2						2			31	63 CA	SF	2	100
0 -379385	N	N	0										30	70 CA			100
0 -379398	N	N	0							25			55	20 GM			100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 054

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	AMT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER				TOTAL
19 -174057	Y	N	0						55				35	10	GM			100
19 -174058	Y	N	0						50				40	10	GM			100
19 -174059	Y	N	0						55				35	10	GM			100
20 -174060	N	N	0						55				35	10	GM			100
20 -174061	N	Y	8	8					50				32	10	GM			100
20 -174062	N	Y	40	30	10				10	10			25	15	GM			100
21 -174063	Y	N	0						45				45	10	GM			100
21 -174064	Y	N	0						50				40	10	GM			100
21 -174065	Y	N	0						50				40	10	GM			100
22 -174066	Y	N	0						50				40	10	GM			100
22 -174067	Y	N	0						52				38	10	GM			100
22 -174068	Y	N	0						50				40	10	GM			100
23 -174069	Y	N	0						55				35	10	GM			100
23 -174070	Y	N	0						55				35	10	GM			100
23 -174071	Y	N	0						50				40	10	GM			100
24 -174072	Y	Y	33	33					12				5	50	CAL			100
24 -174073	Y	Y	30	30					12				10	48	CAL			100
24 -174074	Y	Y	30	30					12				10	48	CAL			100
25 -174075	Y	Y	28	28					10				15	47	CAL			100
25 -174076	Y	Y	30	30					10				18	42	CAL			100
25 -174077	Y	Y	30	30					10				15	45	CAL			100
26 -174078	Y	Y	25	25									18	47	CAL	O	10	100
26 -174079	Y	Y	25	25									20	45	CAL	O	10	100
26 -174080	Y	Y	28	28									20	42	CAL	O	10	100
27 -174081	Y	Y	25	25									20	45	CAL	O	10	100
27 -174082	Y	Y	28	28									20	42	CAL	O	10	100
27 -174083	Y	Y	30	30									20	40	CAL	O	10	100
28 -174084	Y	Y	65	53	12				10				10	15	L			100
28 -174085	Y	Y	66	51	15				10				12	12	L			100
28 -174086	Y	Y	61	48	13								27	12	L			100
29 -174087	Y	N	0						50				40	10	GM			100
29 -174088	Y	N	0						55				45					100
29 -174089	Y	N	0						60				30	10	GM1			100
30 -174090	Y	N	0						50				40	10	GM			100
30 -174091	Y	N	0						60				30	10	GM			100
30 -174092	Y	Y	8	8					50				32	10	GM			100
31 -174093	Y	Y	12	12					50				28	10	GM			100
31 -174094	Y	Y	7	7					60				33					100
31 -174095	Y	N	0						60				30	10	COT			100
32 -174096	N	Y	65	65					15				10	10	L			100
32 -174097	N	Y	10	10					50				30	10	GM			100
32 -174098	N	Y	15	15					50				10	10	D	GM	15	100
0 -174099	N	N	0						12	60			28					100
0 -174100	N	N	0							78			12	10	GM			100
10 -174218	Y	N	0									40		10	GM	GYP	50	100
10 -174219	Y	N	0									45		10	GM	GYP	45	100
10 -174220	Y	N	0									40		10	GM	GYP	50	100
0 -174221	N	Y	60	16	44								40					100
11 -174222	Y	N	0						70				30					100
11 -174223	Y	N	0						70				30					100
11 -174224	Y	N	0						70				30					100
12 -174225	Y	N	0						70				30					100
12 -174226	Y	N	0						75				25					100
12 -174227	Y	N	0						70				30					100
13 -174229	Y	N	0						64				26	10	GM			100
13 -174230	Y	N	0						62				28	10	GM			100
14 -174231	Y	N	0						70				20	10	GM			100
14 -174232	Y	N	0						70				20	10	GM			100
14 -174233	Y	N	0						70				20	10	GM			100
15 -174234	Y	N	0						70				20	10	GM			100
15 -174235	Y	N	0						70				20	10	GM			100
15 -174236	Y	N	0						70				20	10	GM			100
16 -174237	Y	Y	40	40					30				10	10	COT	GM	10	100
16 -174238	Y	Y	40	40					30				10	10	COT	GM	10	100
16 -174239	N	N	0						30				10	50	COT	GM	10	100
17 -174240	Y	Y	55		55									45	GYP			100
17 -174241	Y	Y	60		60									40	GYP			100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: H70277 JFK INTERNATIONAL AIRPORT BUILDING: 054

SAMPLE NUMBER	NONO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	AMT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER				TOTAL
17 -174242	Y	Y	60		60									40	GYP			100
0 -174243	N	N	0										5	95	COT			100
18 -174244	Y	Y	10	10					10			50	30					100
18 -174245	Y	Y	10	10					10			45	25	10	O			100
18 -174246	Y	Y	10	10						10		50	20	10	GM			100
0 -174247	N	N	0						68				22	10	GM			100
4 -174307	Y	N	0						45				45	10	GM			100
4 -174308	Y	N	0						40				50	10	GM			100
4 -174309	Y	N	0						40				50	10	GM			100
5 -174310	Y	N	0						55				35	10	GM			100
5 -174311	Y	N	0						58				32	10	GM			100
5 -174312	Y	N	0						55				35	10	GM			100
0 -174313	N	N	0						35					25	PT	TAR	40	100
0 -174314	N	Y	70	40	30								30					100
6 -174315	Y	N	0						70				30					100
6 -174316	Y	N	0						70				30					100
6 -174317	Y	N	0						68				32					100
0 -174318	N	N	0						15	35		40	10					100
0 -174319	N	N	0						45	35			20					100
7 -174320	Y	Y	50	50					45				5					100
7 -174321	Y	Y	40	40					50				10					100
7 -174322	Y	Y	50	50					45				5					100
7 -174323	Y	Y	55	55					40				5					100
7 -174324	Y	Y	65	65					30				5					100
7 -174325	Y	Y	55	55					40				5					100
7 -174326	Y	Y	55	55					40				5					100
7 -174327	Y	Y	45	45					50				5					100
7 -174328	Y	Y	47	47					48				5					100
7 -174329	Y	Y	44	44					50				6					100
7 -174330	Y	Y	60	60					32				8					100
7 -174331	Y	Y	58	58					36				6					100
7 -174332	Y	Y	55	55					40				5					100
7 -174333	Y	Y	50	50					45				5					100
7 -174334	Y	Y	40	40					55				5					100
7 -174335	Y	Y	42	40	2				53				5					100
7 -174336	Y	Y	46	40	6				50				4					100
7 -174337	Y	Y	40	40					54				6					100
7 -174338	Y	Y	42	42					52				6					100
7 -174339	Y	Y	40	40					55				5					100
7 -174340	Y	Y	42	40	2				52				6					100
7 -174341	Y	Y	42	42					50				8					100
7 -174342	Y	Y	38	38					56				6					100
7 -174343	Y	Y	36	36					56				8					100
7 -174344	Y	Y	36	36					56				8					100
7 -174345	Y	Y	40	40					52				8					100
7 -174346	Y	Y	38	38					52				10					100
7 -174347	Y	Y	40	34	6				50				10					100
7 -174348	Y	Y	40	40					55				5					100
7 -174349	Y	Y	40	40					55				5					100
7 -174350	Y	Y	38	38					55				7					100
7 -174351	Y	Y	40	40					50				10					100
7 -174352	Y	Y	45	45					50				5					100
7 -174353	Y	Y	40	40					55				5					100
8 -174354	Y	N	0						10				50	40	O			100
8 -174355	Y	N	0						15				45	40	O			100
8 -174356	Y	N	0						10				50	40	O			100
8 -174357	Y	N	0						10				40	50	O			100
8 -174358	Y	N	0						10				35	10	GM	O	45	100
0 -174359	N	N	0							85			5	10	TAR			100
9 -174360	N	N	0						70				20	10	O			100
9 -174361	Y	N	0						50				30	10	GM	O	10	100
9 -174362	Y	N	0						50				30	10	GM	O	10	100
0 -174363	N	N	0						50	30	10		10					100
1 -174401	Y	N	0						65				25	10	GM			100
1 -174402	Y	N	0						60				30	10	GM			100
1 -174403	Y	N	0						65				25	10	GM			100
2 -174404	Y	N	0						60				30	10	GM			100

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054
Building Name: NORTHWEST AIR TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
01	MGM GRAND	Mezzanine-Office Area-Ceiling					AREA AVERAGE % ASB -		0%					
	throughout		174319-0	acoustical tile	OMG	2075	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - MGM GRAND		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054 Page 2
Building Name: NORTHWEST AIR TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
02	DELTA AIR	Operations Level					AREA AVERAGE % ASB - 0%							
		technical area throughout	174234-15	mjp on non-suspect pipe cover	OMA	35	4 in. O.D.	DW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
03	DELTA AIR	Operations Level-Mechanics Shop					AREA AVERAGE % ASB - 0%							
		overhead near doorway	174359-0	corrugated pipe covering	OMA	50	ft. 4 in. O.D.	DW	0					
		overhead near doorway	174234-15	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	DW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
		overhead near doorway	174360-9	mjp on corrugate pipe covering	OMA	5	4 in. O.D.	DW	0					
			174361-9	mjp on corrugate pipe covering	OMA				0					
			174362-9	mjp on corrugate pipe covering	OMA				0					
									AREA TOTAL			$0	$0	$0
04	DELTA AIR	Operations Level-Storeroom					AREA AVERAGE % ASB - 0%							
		at ceiling	174234-15	mjp on non-suspect pipe cover	OMA	50	4 in. O.D.	DCW	0					
		food storage room-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	45	4 in. O.D.	DCW	0					
		washroom-at ceiling-along walls	174234-15	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	DCW	0					
		storeroom-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	15	4 in. O.D.	DCW	0					
		storeroom-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	15	6 in. O.D.	DCW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT LOCATION	AREA DESCRIPTION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174236-15	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
							TENANT - DELTA AIR		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054 Page 4
Building Name: NORTHWEST AIR TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIA	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
04A	DELTA	1st Floor-Ticketing					AREA AVERAGE % ASB - 4%							
		throughout	379376-0	mastic	OHZ	280	sq.ft.		0					
		break room & offices-beige	379381-0	vinyl floor tile	OHZ	650	sq.ft.		3	6	IV	$2,951	$2,236	$5,187
		break room & offices-white	379382-0	vinyl floor tile	OHZ	200	sq.ft.		10	6	IV	$908	$688	$1,596
		break room & offices-beige	379383-0	vinyl floor tile	OHZ	280	sq.ft.		15	6	IV	$1,271	$963	$2,234
		break room & offices-throughout	379384-0	mastic	OHZ	280	sq.ft.		2	6	IV	$2,696	$577	$3,273
		break room & offices-gray	379385-0	vinyl floor tile	OHZ	810	sq.ft.		0					
		throughout	379398-0	mastic	OHZ	200	sq.ft.		0					
									AREA TOTAL			$7,826	$4,464	$12,290

The materials are in fair condition, with minor contact and water damage. At a minimum, it is recommended that the material be repaired. If removal is planned, extensive gross removal procedures are recommended.

TENANT - DELTA	TOTAL	$7,826	$4,464	$12,290

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054 Page 5
Building Name: NORTHWEST AIR TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
05	DELTA AIR	Operations Level-Offices					AREA AVERAGE % ASB -		0%					
	throughout		174410-0	drop or lay-in panel	ONG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
06	DELTA AIR	Operations Level-Runway Area					AREA AVERAGE % ASB -		0%					
	passenger loading ramps-gates 6,7,8		174354-8	weatherproof coating on steel	ONZ	4315	sq.ft.		0					
			174355-8	weatherproof coating on steel	ONZ				0					
			174356-8	weatherproof coating on steel	ONZ				0					
			174357-8	weatherproof coating on steel	ONZ				0					
			174358-8	weatherproof coating on steel	ONZ				0					
									AREA TOTAL			$0	$0	$0
							TENANT - DELTA AIR		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054 Page 6
Building Name: NORTHWEST AIR TERMINAL
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
07	FOOD SERV.	Concourse Level					AREA AVERAGE % ASB -		0%					
	kitchen-above drop ceiling		174234-15	mjp on non-suspect pipe cover	OMA	35	4 in. O.D.	DW	0					
	kitchen-above drop ceiling		174234-15	mjp on non-suspect pipe cover	OMA	20	6 in. O.D.	DW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
							TENANT - FOOD SERV.		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 02

Building Number: 054
Building Name: NORTHWEST AIR TERMINAL JFK AIRPORT
Building Type: TERMINAL
Constructed: 1962
Inspected: 03/21/88
Inspector: S. Bryant

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
08	NORTHWEST	Operations Level-Mechanical Room-Tanks					AREA AVERAGE % ASB - 16%							
		tank #3-hot water storage	174057-19	boiler/tank insulation	OMB	101	sq.ft.		0					
			174058-19	boiler/tank insulation	OMB				0					
			174059-19	boiler/tank insulation	OMB				0					
		tank #5-hot water storage	174060-20	boiler/tank insulation	OMB	61	sq.ft.		0	36	III	$2,917	$2,336	$5,253
			174061-20	boiler/tank insulation	OMB				8	36	III			
			174062-20	boiler/tank insulation	OMB				40	36	III			
		tank #2-hot water storage	174063-21	boiler/tank insulation	OMB	101	sq.ft.		0					
			174064-21	boiler/tank insulation	OMB				0					
			174065-21	boiler/tank insulation	OMB				0					
		tank #1-hot water storage	174066-22	boiler/tank insulation	OMB	71	sq.ft.		0					
			174067-22	boiler/tank insulation	OMB				0					
			174068-22	boiler/tank insulation	OMB				0					
		tank #4-hot water storage	174069-23	boiler/tank insulation	OMB	71	sq.ft.		0					
			174070-23	boiler/tank insulation	OMB				0					
			174071-23	boiler/tank insulation	OMB				0					
		tank #7-hot water storage	174072-24	boiler/tank insulation	OMB	126	sq.ft.		33	36	III	$6,025	$4,826	$10,851
			174073-24	boiler/tank insulation	OMB				30	36	III			
			174074-24	boiler/tank insulation	OMB				30	36	III			
		tank #8-hot water storage	174075-25	boiler/tank insulation	OMB	126	sq.ft.		28	36	III	$6,025	$4,826	$10,851
			174076-25	boiler/tank insulation	OMB				30	36	III			
			174077-25	boiler/tank insulation	OMB				30	36	III			
		tank #9-hot water storage	174078-26	boiler/tank insulation	OMB	126	sq.ft.		25	36	III	$6,025	$4,826	$10,851
			174079-26	boiler/tank insulation	OMB				25	36	III			
			174080-26	boiler/tank insulation	OMB				28	36	III			
		tank #10-hot water storage	174081-27	boiler/tank insulation	OMB	126	sq.ft.		25	36	III	$6,025	$4,826	$10,851
			174082-27	boiler/tank insulation	OMB				28	36	III			
			174083-27	boiler/tank insulation	OMB				30	36	III			
		tank #6-convertor	174084-28	boiler/tank insulation	OMB	18	sq.ft.		65	36	III	$861	$689	$1,550

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174085-28	boiler/tank insulation	OMB				66	36	III			
			174086-28	boiler/tank insulation	OMB				61	36	III			
	tank #11-convertor		174087-29	boiler/tank insulation	OMB	77	sq.ft.		0					
			174088-29	boiler/tank insulation	OMB				0					
			174089-29	boiler/tank insulation	OMB				0					
	tank #12-convertor		174090-30	boiler/tank insulation	OMB	77	sq.ft.		0	36	III	$3,682	$2,949	$6,631
			174091-30	boiler/tank insulation	OMB				0	36	III			
			174092-30	boiler/tank insulation	OMB				8	36	III			
	tank #13-deaerator tank		174093-31	boiler/tank insulation	OMB	32	sq.ft.		12	36	III	$1,530	$1,226	$2,756
			174094-31	boiler/tank insulation	OMB				7	36	III			
			174095-31	boiler/tank insulation	OMB				0	36	III			
	All tanks were lined with fiberglass under a mudded coating. Tanks had a small amount of localized contact and water damage.								AREA TOTAL			$33,090	$26,504	$59,594

09 NORTHWEST Operations Level-Mechanical Room AREA AVERAGE % ASB - 6%

along north wall of room	174099-0	pipe covering	OMA	160	ft. 12 in. O.D.	HWS	0						
throughout	174401-1	mjp on non-suspect pipe cover	OMA	95	6 in. O.D.	HWR	0						
	174402-1	mjp on non-suspect pipe cover	OMA				0						
	174403-1	mjp on non-suspect pipe cover	OMA				0						
throughout	174404-2	mjp on non-suspect pipe cover	OMA	8	12 in. O.D.	HWS	0						
	174405-2	mjp on non-suspect pipe cover	OMA				0						
	174406-2	mjp on non-suspect pipe cover	OMA				0						
throughout	174407-3	mjp on non-suspect pipe cover	OMA	250	8 in. O.D.	HWS	0						
throughout	174407-3	mjp on non-suspect pipe cover	OMA	810	6 in. O.D.	HWS	0						
	174408-3	mjp on non-suspect pipe cover	OMA				0						
	174409-3	mjp on non-suspect pipe cover	OMA				0						
along north wall of room	174096-32	mjp on pipe covering	OMA	18	22 in. O.D.	HWS	65	36	III	$4,547	$3,368	$7,915

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	D&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		along north wall of room	174096-32	mjp on pipe covering	OHA	18	16 in. O.D.	HWS	65	36	III	$2,476	$1,834	$4,310
		along north wall of room	174096-32	mjp on pipe covering	OHA	5	20 in. O.D.	HWS	65	36	III	$1,169	$866	$2,035
		along north wall of room	174096-32	mjp on pipe covering	OHA	10	12 in. O.D.	HWS	65	36	III	$1,021	$638	$1,659
			174097-32	mjp on pipe covering	OHA				10	36	III			
			174098-32	mjp on pipe covering	OHA				15	36	III			
		. Piping is in good condition except for a few localized areas with water and contact damage.							AREA TOTAL			$9,213	$6,706	$15,919
10	NORTHWEST	Operations Level-Baggage Handling Area							AREA AVERAGE % ASB - 45%					
		ceiling throughout	174320-7	fireproofing	OHC	117760	sq.ft.		50	84	I	4,009,728	$786,637	4,796,365
			174321-7	fireproofing	OHC				40	84	I			
			174322-7	fireproofing	OHC				50	84	I			
			174323-7	fireproofing	OHC				55	84	I			
			174324-7	fireproofing	OHC				65	84	I			
			174325-7	fireproofing	OHC				55	84	I			
			174326-7	fireproofing	OHC				55	84	I			
			174327-7	fireproofing	OHC				45	84	I			
			174328-7	fireproofing	OHC				47	84	I			
			174329-7	fireproofing	OHC				44	84	I			
			174330-7	fireproofing	OHC				60	84	I			
			174331-7	fireproofing	OHC				58	84	I			
			174332-7	fireproofing	OHC				55	84	I			
			174333-7	fireproofing	OHC				50	84	I			
			174334-7	fireproofing	OHC				40	84	I			
			174335-7	fireproofing	OHC				42	84	I			
			174336-7	fireproofing	OHC				46	84	I			
			174337-7	fireproofing	OHC				40	84	I			
			174338-7	fireproofing	OHC				42	84	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174339-7	fireproofing	OMC				40	84	I			
			174340-7	fireproofing	OMC				42	84	I			
			174341-7	fireproofing	OMC				42	84	I			
			174342-7	fireproofing	OMC				38	84	I			
			174343-7	fireproofing	OMC				36	84	I			
			174344-7	fireproofing	OMC				36	84	I			
			174345-7	fireproofing	OMC				40	84	I			
			174346-7	fireproofing	OMC				38	84	I			
			174347-7	fireproofing	OMC				40	84	I			
			174348-7	fireproofing	OMC				40	84	I			
			174349-7	fireproofing	OMC				40	84	I			
			174350-7	fireproofing	OMC				38	84	I			
			174351-7	fireproofing	OMC				40	84	I			
			174352-7	fireproofing	OMC				45	84	I			
			174353-7	fireproofing	OMC				40	84	I			
		Spray-applied fireproofing is in fair to good condition. The material is subject to vibrations from vehicles and jet engines. An air plenum is blowing directly on the material near conveyor belts which may cause the material to loosen. All of the concrete waffled area is covered with the material.							AREA TOTAL			4,009,728	$786,637	4,796,365
11	NORTHWEST	Operations Level-Baggage Handling Area							AREA AVERAGE % ASB - 5%					
		at ceiling level	174099-0	pipe covering	OMA	200	ft. 6 in. O.D.	MWS/R	0					
		at ceiling level	174234-15	mjp on non-suspect pipe cover	OMA	20	6 in. O.D.	DCW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
		at ceiling level	174404-2	mjp on non-suspect pipe cover	OMA	32	12 in. O.D.	CWS/R	0					
			174405-2	mjp on non-suspect pipe cover	OMA				0					
			174406-2	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	EXP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		at ceiling level	174407-3	mjp on non-suspect pipe cover	OHA	15	6 in. O.D.	HWS/R	0					
		at ceiling level	174407-3	mjp on non-suspect pipe cover	OHA	55	8 in. O.D.	HWS/R	0					
		at ceiling level	174407-3	mjp on non-suspect pipe cover	OHA	52	10 in. O.D.	HWS/R	0					
		at ceiling level	174407-3	mjp on non-suspect pipe cover	OHA	5	14 in. O.D.	HWS/R	0					
			174408-3	mjp on non-suspect pipe cover	OHA				0					
			174409-3	mjp on non-suspect pipe cover	OHA				0					
		at ceiling level	174096-32	mjp on pipe covering	OHA	20	6 in. O.D.	HWS/R	65	25	III	$1,041	$611	$1,652
			174097-32	mjp on pipe covering	OHA				10	25	III			
			174098-32	mjp on pipe covering	OHA				15	25	III			
		at ceiling level	174310-5	mjp on non-suspect pipe cover	OHA	40	10 in. O.D.	DR	0					
			174311-5	mjp on non-suspect pipe cover	OHA				0					
			174312-5	mjp on non-suspect pipe cover	OHA				0					
		Glycol line was not found to have any mudded fittings; no available plans were provided to trace the lines. However, tar paper was sampled from the glycol line outside the building. Materials were in good condition overall.							AREA TOTAL			$1,041	$611	$1,652
12	NORTHWEST	Operations Level-Tug Storage Room							AREA AVERAGE % ASB - 0%					
		along perimeter & cntr-leading to fl	174234-15	mjp on non-suspect pipe cover	OHA	5	6 in. O.D.	DHW	0					
		along perimeter & cntr-leading to fl	174234-15	mjp on non-suspect pipe cover	OHA	35	4 in. O.D.	DCW	0					
		along perimeter & cntr-leading to fl	174234-15	mjp on non-suspect pipe cover	OHA	15	6 in. O.D.	DCW	0					
		along perimeter & cntr-leading to fl	174234-15	mjp on non-suspect pipe cover	OHA	25	4 in. O.D.	DHW	0					
			174235-15	mjp on non-suspect pipe cover	OHA				0					
			174235-15	mjp on non-suspect pipe cover	OHA				0					
			174236-15	mjp on non-suspect pipe cover	OHA				0					
			174236-15	mjp on non-suspect pipe cover	OHA				0					
		along perimeter & cntr-leading to fl	174310-5	mjp on non-suspect pipe cover	OHA	5	8 in. O.D.	DR	0					
			174311-5	mjp on non-suspect pipe cover	OHA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174312-5	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
13	NORTHWEST	Operations Level-SW Corner Offices					AREA AVERAGE % ASB - 0%							
		along ceiling	174234-15	mjp on non-suspect pipe cover	OMA	3	6 in. O.D.	DCW	0					
		along ceiling	174234-15	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	DCW	0					
		along ceiling	174234-15	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	DHW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
		at ceiling of hall	174310-5	mjp on non-suspect pipe cover	OMA	3	8 in. O.D.	DR	0					
			174311-5	mjp on non-suspect pipe cover	OMA				0					
			174312-5	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
14	NORTHWEST	Operations Level-Ceilings					AREA AVERAGE % ASB - 0%							
		tug storage office	174410-0	drop or lay-in panel	OMG	100	sq.ft.		0					
		southwest corner offices	174411-0	acoustical tile	OMG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
15	NORTHWEST	Operations Level					AREA AVERAGE % ASB - 15%							
		food storage room at rear wall	174099-0	pipe covering	OMA	35	ft. 4 in. O.D.	DR	0					

AREA #	TENANT .	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		food storage room at rear wall	174096-32	mjp on pipe covering	ONA	20	4 in. O.D.	DR	65	84	I	$756	$420	$1,176
			174097-32	mjp on pipe covering	ONA				10	84	I			
			174098-32	mjp on pipe covering	ONA				15	84	I			
		The material is in poor condition, exposed hanging pieces of magnesia are present, as well as damaged elbows.							AREA TOTAL			$756	$420	$1,176
16	NORTHWEST	Operations Level-Food Storage Rooms							AREA AVERAGE % ASB -		0%			
		throughout	174100-0	drop or lay-in panel	ONG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
17	NORTHWEST	South Ramp-Off Operations Level							AREA AVERAGE % ASB -		27%			
		center of ceiling	174237-16	exterior duct insulation	ONB	4024	sq.ft.		40	27	III	$129,492	$104,302	$233,794
			174238-16	exterior duct insulation	ONB				40	27	III			
			174239-16	exterior duct insulation	ONB				0	27	III			
		The material is in good condition, execpt one area. Due to the location, it is exposed to a strong air plenum and possible contact damage.							AREA TOTAL			$129,492	$104,302	$233,794
18	NORTHWEST	Exterior Glycol Lines							AREA AVERAGE % ASB -		0%			
		near ramps on east & west sides	174412-0	roofing tar paper/roofing felt	ONZ	25	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
19	NORTHWEST	Operations Level-Runway Area					AREA AVERAGE % ASB - 45%							
		outdoors-building overhang-perimeter	174320-7	fireproofing	OMC	32840 sq.ft.			50	96	I	1,118,202	$219,371	1,337,573
			174321-7	fireproofing	OMC				40	96	I			
			174322-7	fireproofing	OMC				50	96	I			
			174323-7	fireproofing	OMC				55	96	I			
			174324-7	fireproofing	OMC				65	96	I			
			174325-7	fireproofing	OMC				55	96	I			
			174326-7	fireproofing	OMC				55	96	I			
			174327-7	fireproofing	OMC				45	96	I			
			174328-7	fireproofing	OMC				47	96	I			
			174329-7	fireproofing	OMC				44	96	I			
			174330-7	fireproofing	OMC				60	96	I			
			174331-7	fireproofing	OMC				58	96	I			
			174332-7	fireproofing	OMC				55	96	I			
			174333-7	fireproofing	OMC				50	96	I			
			174334-7	fireproofing	OMC				40	96	I			
			174335-7	fireproofing	OMC				42	96	I			
			174336-7	fireproofing	OMC				46	96	I			
			174337-7	fireproofing	OMC				40	96	I			
			174338-7	fireproofing	OMC				42	96	I			
			174339-7	fireproofing	OMC				40	96	I			
			174340-7	fireproofing	OMC				42	96	I			
			174341-7	fireproofing	OMC				42	96	I			
			174342-7	fireproofing	OMC				38	96	I			
			174343-7	fireproofing	OMC				36	96	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174344-7	fireproofing	OHC				36	96	I			
			174345-7	fireproofing	OHC				40	96	I			
			174346-7	fireproofing	OHC				38	96	I			
			174347-7	fireproofing	OHC				40	96	I			
			174348-7	fireproofing	OHC				40	96	I			
			174349-7	fireproofing	OHC				40	96	I			
			174350-7	fireproofing	OHC				38	96	I			
			174351-7	fireproofing	OHC				40	96	I			
			174352-7	fireproofing	OHC				45	96	I			
			174353-7	fireproofing	OHC				40	96	I			
		Fireproofing is applied to the entire area of the building overhang. In many places the material is damaged from exposure to the elements and baggage handlers. The low height of the material makes damage occur more easily. Proximity to the jets may mean loosening of material caused by vibrations and wind.							AREA TOTAL			1,118,202	$219,371	1,337,573
20	NORTHWEST	Operations Level-Runway Area							AREA AVERAGE % ASB -			0%		
		passenger loading ramps-gate 3-4	174354-8	weatherproof coating on steel	OHZ	2995	sq.ft.		0					
			174355-8	weatherproof coating on steel	OHZ				0					
			174356-8	weatherproof coating on steel	OHZ				0					
			174357-8	weatherproof coating on steel	OHZ				0					
			174358-8	weatherproof coating on steel	OHZ				0					
									AREA TOTAL			$0	$0	$0
21	NORTHWEST	Operations Level Rear							AREA AVERAGE % ASB -			0%		
		overhang-fire station area	174222-11	mjp on non-suspect pipe cover	OHA	5	14 in. O.D.	DW	0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174223-11	mjp on non-suspect pipe cover	OHA				0					
			174224-11	mjp on non-suspect pipe cover	OHA				0					
		building overhang-perimeter	174407-3	mjp on non-suspect pipe cover	OHA	30	6 in. O.D.	HWS/R	0					
			174408-3	mjp on non-suspect pipe cover	OHA				0					
			174409-3	mjp on non-suspect pipe cover	OHA				0					
									AREA TOTAL			$0	$0	$0
22	NORTHWEST	Operations Level Rear-Mechanical Room					AREA AVERAGE % ASB -		0%					
		throughout ceiling area	174407-3	mjp on non-suspect pipe cover	OHA	90	4 in. O.D.	HWS/R	0					
		throughout ceiling area	174407-3	mjp on non-suspect pipe cover	OHA	6	8 in. O.D.	HWS/R	0					
			174408-3	mjp on non-suspect pipe cover	OHA				0					
			174409-3	mjp on non-suspect pipe cover	OHA				0					
									AREA TOTAL			$0	$0	$0
23	NORTHWEST	Operations Level-Rear Mechanical Room					AREA AVERAGE % ASB -		0%					
		throughout room	174313-0	exterior duct insulation	OHB	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
24	NORTHWEST	Operations Level-Rear Mechanical Room					AREA AVERAGE % ASB -		0%					
		throughout room	174410-0	drop or lay-in panel	OHG	100	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
25	NORTHWEST	Operations Level-Rear Vending Room					AREA AVERAGE % ASB - 0%							
	throughout room		174363-0	drop or lay-in panel	OMG	1080	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
26	NORTHWEST	Operations Level-Rear Vending Room					AREA AVERAGE % ASB - 35%							
	south wall		174314-0	pipe covering	OMA	2	ft. 10 in. O.D.	HWS/R	70	23	111	$51	$38	$89
	south wall		174315-6	mjp on pipe covering	OMA	1	10 in. O.D.	HWS/R	0					
			174316-6	mjp on pipe covering	OMA				0					
			174317-6	mjp on pipe covering	OMA				0					
	This material is in good condition. At this time it presents no hazard.								AREA TOTAL			$51	$38	$89
27	NORTHWEST	Mezzanine-Front					AREA AVERAGE % ASB - 0%							
	air handler room-throughout		174313-0	exterior duct insulation	OMB	4000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
28	NORTHWEST	Mezzanine Front					AREA AVERAGE % ASB - 35%							

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		air handler room-along east wall	174314-0	pipe covering	OHA	35	ft. 6 in. O.D.	HWS/R	70	20	III	$611	$382	$993
		air handler room-along east wall	174315-6	mjp on pipe covering	OHA	3	6 in. O.D.	HWS/R	0					
			174316-6	mjp on pipe covering	OHA				0					
			174317-6	mjp on pipe covering	OHA				0					
		Pipe insulation is well covered. Material is in good condition with little evidence of contact or water damage.							AREA TOTAL			$611	$382	$993
29	NORTHWEST	Operations Level-Vending Room					AREA AVERAGE % ASB - 23%							
		above drop ceiling	174314-0	pipe covering	OHA	30	ft. 10 in. O.D.	HWS/R	70	11	IV	$761	$564	$1,325
		above drop ceiling	174222-11	mjp on non-suspect pipe cover	OHA	20	4 in. O.D.	DW	0					
			174223-11	mjp on non-suspect pipe cover	OHA				0					
			174224-11	mjp on non-suspect pipe cover	OHA				0					
		above drop ceiling	174315-6	mjp on pipe covering	OHA	2	10 in. O.D.	HWS/R	0					
			174316-6	mjp on pipe covering	OHA				0					
			174317-6	mjp on pipe covering	OHA				0					
		This material is located on the length of piping above the drop ceiling. It is in good condition.							AREA TOTAL			$761	$564	$1,325
30	NORTHWEST	Mezzanine Front-Stored Material					AREA AVERAGE % ASB - 0%							
		air handler room-near duct-in center	174318-0	stored ceiling tile	OHZ	3	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
31	NORTHWEST	Mezzanine Front-Ceiling					AREA AVERAGE % ASB - 0%							

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		offices & hallway-throughout	174319-0	acoustical tile	OMG	2850	sq.ft.		0					
		elevated ceiling-throughout	174319-0	acoustical tile	OMG	24000	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
32	NORTHWEST	Penthouse Front					AREA AVERAGE % ASB - 0%							
		mechanical room-near air handler	174307-4	mjp on non-suspect pipe cover	OMA	58	4 in. O.D.	CWS/R	0					
		mechanical room-near air handler	174307-4	mjp on non-suspect pipe cover	OMA	35	10 in. O.D.	CWS/R	0					
		mechanical room-near air handler	174307-4	mjp on non-suspect pipe cover	OMA	30	8 in. O.D.	CWS/R	0					
			174308-4	mjp on non-suspect pipe cover	OMA				0					
			174309-4	mjp on non-suspect pipe cover	OMA				0					
		near east wall-at ceiling	174310-5	mjp on non-suspect pipe cover	OMA	3	8 in. O.D.	DR	0					
			174311-5	mjp on non-suspect pipe cover	OMA				0					
			174312-5	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL				$0	$0	$0
33	NORTHWEST	Penthouse Front-Ducting					AREA AVERAGE % ASB - 0%							
		throughout	174313-0	exterior duct insulation	OMB	6500	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
34	NORTHWEST	Southwest Mezzanine-Ceilings					AREA AVERAGE % ASB - 10%							
		northeast (middle) lounge-throughout	174244-18	sprayed acoustical plaster	OMD	600	sq.ft.		10	23	III	$10,170	$1,902	$12,072

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		north lounge-throughout	174244-18	sprayed acoustical plaster	OHD	780	sq.ft.		10	23	III	$13,221	$2,473	$15,694
			174245-18	sprayed acoustical plaster	OHD				10	23	III			
			174246-18	sprayed acoustical plaster	OHD				10	23	III			
		These rooms are used as passenger lounges for Northwest Air. The material is in good condition with little evidence of damage.							AREA TOTAL			$23,391	$4,375	$27,766
35	NORTHWEST	Southwest Mezzanine-Ceilings							AREA AVERAGE % ASB - 0%					
		New World Club-west corner	174247-0	drop or lay-in panel	OHG	1860	sq.ft.		0					
		throughout	174319-0	acoustical tile	OHG	27070	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
36	NORTHWEST	Southwest Mezzanine-Mechanical Room							AREA AVERAGE % ASB - 27%					
		throughout	174237-16	exterior duct insulation	OHB	2430	sq.ft.		40	21	III	$78,197	$62,986	$141,183
			174238-16	exterior duct insulation	OHB				40	21	III			
			174239-16	exterior duct insulation	OHB				0	21	III			
		This material covers ducts that run through an open verticle pipe chase. Up to the penthouse level and down to the concourse level. It is covered by a canvas jacket, and is in fair to good condition.							AREA TOTAL			$78,197	$62,986	$141,183
37	NORTHWEST	Southwest Mezzanine-Mechanical Room							AREA AVERAGE % ASB - 0%					
		air handling unit in middle of room	174218-10	exterior duct insulation	OHB	1219	sq.ft.		0					
			174219-10	exterior duct insulation	OHB				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			174220-10	exterior duct insulation	OMB				0					
								AREA TOTAL				$0	$0	$0
38	NORTHWEST	Southwest Mezzanine-Mechanical Room					AREA AVERAGE % ASB - 0%							
		throughout	174243-0	vibration joint cloth	OMZ	70	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
39	NORTHWEST	Southwest Mezzanine					AREA AVERAGE % ASB - 15%							
		over mechanical room doorway	174221-0	pipe covering	OMA	10	ft. 6 in. O.D.	DW	60	24	III	$175	$109	$284
		over mechanical room doorway	174222-11	mjp on pipe covering	OMA	3	6 in. O.D.	DW	0					
			174223-11	mjp on pipe covering	OMA				0					
			174224-11	mjp on pipe covering	OMA				0					
		throughout mechanical room	174225-12	mjp on non-suspect pipe cover	OMA	89	4 in. O.D.	HWS/R	0					
		hallway outside SE mechanical room door	174225-12	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	HWS/R	0					
			174226-12	mjp on non-suspect pipe cover	OMA				0					
			174227-12	mjp on non-suspect pipe cover	OMA				0					
		throughout mechanical room	174228-13	mjp on non-suspect pipe cover	OMA	20	8 in. O.D.	CW	0					
		throughout mechanical room	174228-13	mjp on non-suspect pipe cover	OMA	6	10 in. O.D.	CW	0					
			174229-13	mjp on non-suspect pipe cover	OMA				0					
			174230-13	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		This room contains two large air handling units and is accessed infrequently. The material shows localized contact-vibration damage.							AREA TOTAL			$175	$109	$284
40	NORTHWEST	Southwest Penthouse-Mechanical Room					AREA AVERAGE % ASB - 27%							
		throughout	174237-16	exterior duct insulation	OMB	5460 sq.ft.			40	21	III	$175,703	$141,523	$317,226
			174238-16	exterior duct insulation	OMB				40	21	III			
			174239-16	exterior duct insulation	OMB				0	21	III			
		The insulation consists of a mudded layer over black paper and fiberglass insulation and is covered in canvas. The ducts are covered with this material and run through a vertical chase down to the mezzanine level. The material is in fair to good condition and the room is accessed infrequently.							AREA TOTAL			$175,703	$141,523	$317,226
41	NORTHWEST	Southwest Penthouse-Mechanical Room					AREA AVERAGE % ASB - 29%							
		southeast corner	174218-10	exterior duct insulation	OMB	510 sq.ft.			0					
			174219-10	exterior duct insulation	OMB				0					
			174220-10	exterior duct insulation	OMB				0					
		south corner	174240-17	exterior duct insulation	OMB	150 sq.ft.			55	44	II	$4,827	$3,888	$8,715
			174241-17	exterior duct insulation	OMB				60	44	II			
			174242-17	exterior duct insulation	OMB				60	44	II			
		The material in the southesst corner runs through a chase to the mezzanine level rear mechanical room. The material in the south corner is a 1" thick trowelled on plaster. It runs up to the roof. This material is susceptible to contact damage.							AREA TOTAL			$4,827	$3,888	$8,715

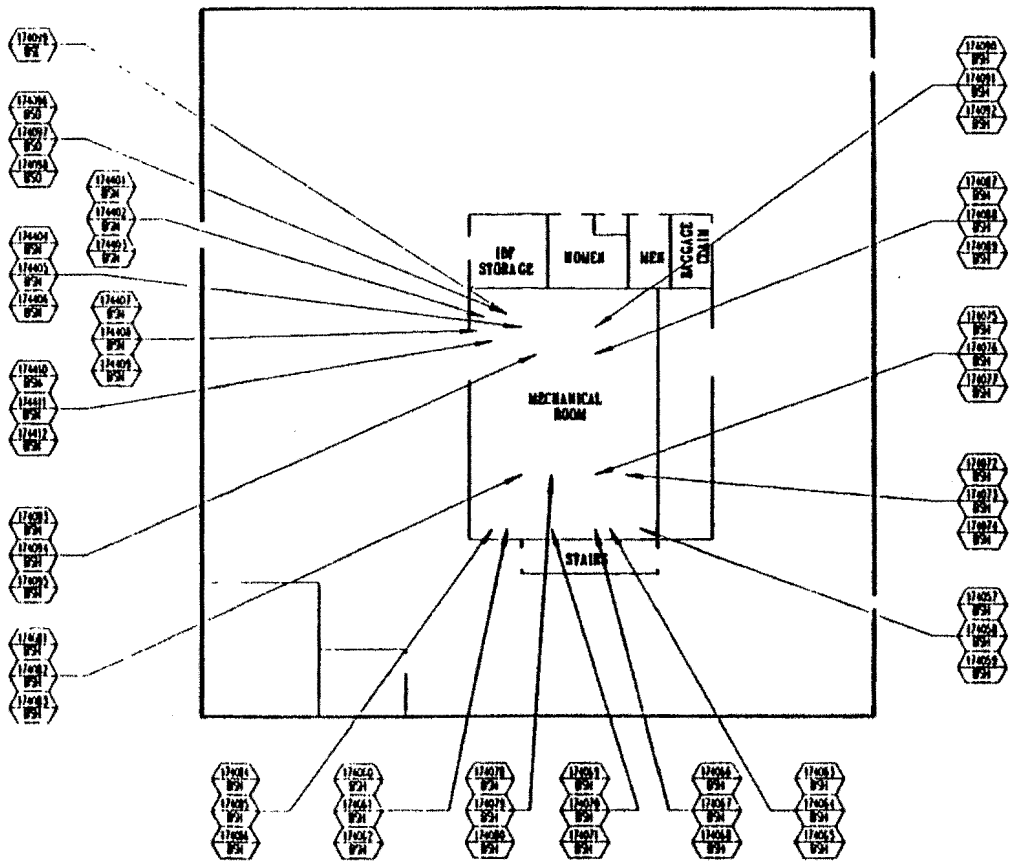
AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
42	NORTHWEST	Southwest Penthouse-Mechanical Room					AREA AVERAGE % ASB - 0%							
		between the air handling units	174225-12	mjp on non-suspect pipe cover	OMA	57	4 in. O.D.	HWS/R	0					
			174226-12	mjp on non-suspect pipe cover	OMA				0					
		between air handling units	174228-13	mjp on non-suspect pipe cover	OMA	22	10 in. O.D.	CW	0					
		between air handling units	174228-13	mjp on non-suspect pipe cover	OMA	37	8 in. O.D.	CW	0					
			174229-13	mjp on non-suspect pipe cover	OMA				0					
			174230-13	mjp on non-suspect pipe cover	OMA				0					
		by southeast door	174231-14	mjp on non-suspect pipe cover	OMA	4	8 in. O.D.	DR	0					
			174232-14	mjp on non-suspect pipe cover	OMA				0					
			174233-14	mjp on non-suspect pipe cover	OMA				0					
		by northwest door	174234-15	mjp on non-suspect pipe cover	OMA	14	4 in. O.D.	DW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL				$0	$0	$0
43	NORTHWEST	Southwest Penthouse-Mechanical Room					AREA AVERAGE % ASB - 0%							
		on duct work throughout	174243-0	vibration joint cloth	OMZ	38	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
44	NORTHWEST	Operations, Concourse & Mezzanine Level					AREA AVERAGE % ASB - 27%							
		rear operations level	174237-16	exterior duct insulation	OMB	11304	sq.ft.		40	12	IV	$363,763	$293,000	$656,763
		rear concourse level	174237-16	exterior duct insulation	OMB	6011	sq.ft.		40	12	IV	$193,434	$155,805	$349,239
		front concourse level	174237-16	exterior duct insulation	OMB	9437	sq.ft.		40	12	IV	$303,683	$244,607	$548,290

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		rear mezzanine level	174237-16	exterior duct insulation	OMB	3116	sq.ft.		40	12	IV	$100,273	$80,767	$181,040
		front mezzanine level	174237-16	exterior duct insulation	OMB	3282	sq.ft.		40	12	IV	$105,615	$85,069	$190,684
			174238-16	exterior duct insulation	OMB				40	12	IV			
			174239-16	exterior duct insulation	OMB				0	12	IV			
		The material is unexposed and located above the drop ceilings and vertical chases. These areas were inaccessible and quantities were estimated from blueprints and are subject to variation.							AREA TOTAL			1,066,768	$859,248	1,926,016
45	NORTHWEST	Operations, Concourse & Mezzanine Level							AREA AVERAGE % ASB - 0%					
		northwest operations area-above drop	174234-15	mjp on non-suspect pipe cover	OMA	22	4 in. O.D.	DW	0					
		operations level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	24	6 in. O.D.	DW	0					
		rear concourse level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	81	4 in. O.D.	DW	0					
		operations level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	59	4 in. O.D.	DW	0					
		rear mezzanine level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	50	4 in. O.D.	DW	0					
		front mezzanine level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	34	4 in. O.D.	DW	0					
		front concourse level-above drop ceiling	174234-15	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	DW	0					
			174235-15	mjp on non-suspect pipe cover	OMA				0					
			174236-15	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
46	NORTHWEST	Fire Stand Pipe System							AREA AVERAGE % ASB - 30%					
		to fire hoses-above drop ceiling	174221-0	pipe covering	OMA	725	ft. 8 in. O.D.	DW	60	16	IV	$13,804	$9,860	$23,664
		to fire hoses-above drop ceiling	174222-11	mjp on pipe covering	OMA	325	8 in. O.D.	DW	0					
			174223-11	mjp on pipe covering	OMA				0					
			174224-11	mjp on pipe covering	OMA				0					

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	The material is unexposed and located above the drop ceilings or behind permanent barriers. The areas were inaccessible and quantities were estimated from blueprints and are subject to variations.								AREA TOTAL			$13,804	$9,860	$23,664
							TENANT - NORTHWEST		TOTAL			6,665,810	2,227,524	8,893,334

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
47	TERMINAL	Concourse Level-Floors					AREA AVERAGE % ASB - 6%							
		kitchen storage area (1'x1')	379381-0	vinyl floor tile	OHZ	1500	sq.ft.		3	18	IV	$6,810	$5,160	$11,970
		Northwest area (1'x1')	379381-0	vinyl floor tile	OHZ	600	sq.ft.		3	18	IV	$2,724	$2,064	$4,788
		Delta area (1'x1')	379381-0	vinyl floor tile	OHZ	668	sq.ft.		3	18	IV	$3,033	$2,298	$5,331
		Delta area (9"x9")	379382-0	vinyl floor tile	OHZ	967	sq.ft.		10	18	IV	$4,390	$3,326	$7,716
		kitchen storage area (9"x9")	379382-0	vinyl floor tile	OHZ	1000	sq.ft.		10	18	IV	$4,540	$3,440	$7,980
									AREA TOTAL			$21,497	$16,288	$37,785
48	TERMINAL	Mezzanine-Floors					AREA AVERAGE % ASB - 7%							
		Northwest area-rear (1'x1')	379381-0	vinyl floor tile	OHZ	240	sq.ft.		3	18	IV	$1,090	$826	$1,916
		Northwest area (1'x1')	379381-0	vinyl floor tile	OHZ	600	sq.ft.		3	18	IV	$2,724	$2,064	$4,788
		Delta area (1'x1')	379381-0	vinyl floor tile	OHZ	720	sq.ft.		3	18	IV	$3,269	$2,477	$5,746
		Northwest offices (9"x9")	379382-0	vinyl floor tile	OHZ	1000	sq.ft.		10	18	IV	$4,540	$3,440	$7,980
		Northwest area-rear (9"x9")	379383-0	vinyl floor tile	OHZ	400	sq.ft.		15	18	IV	$1,816	$1,376	$3,192
									AREA TOTAL			$13,439	$10,183	$23,622
49	TERMINAL	Operations Level-Floors					AREA AVERAGE % ASB - 3%							
		chief's room (1'x1')	379381-0	vinyl floor tile	OHZ	200	sq.ft.		3	18	IV	$908	$688	$1,596
		south Delta offices (1'x1')	379381-0	vinyl floor tile	OHZ	1200	sq.ft.		3	18	IV	$5,448	$4,128	$9,576
		Northwest break room (1'x1')	379381-0	vinyl floor tile	OHZ	300	sq.ft.		3	18	IV	$1,362	$1,032	$2,394
		mechanical room office (1'x1')	379381-0	vinyl floor tile	OHZ	100	sq.ft.		3	18	IV	$454	$344	$798
		vending machine area (1'x1')	379381-0	vinyl floor tile	OHZ	1080	sq.ft.		3	18	IV	$4,903	$3,715	$8,618

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$13,075	$9,907	$22,982
							TENANT - TERMINAL		TOTAL			$48,011	$36,378	$84,389
								BUILDING TOTAL				6,721,647	2,268,366	8,990,013
												**********	**********	**********

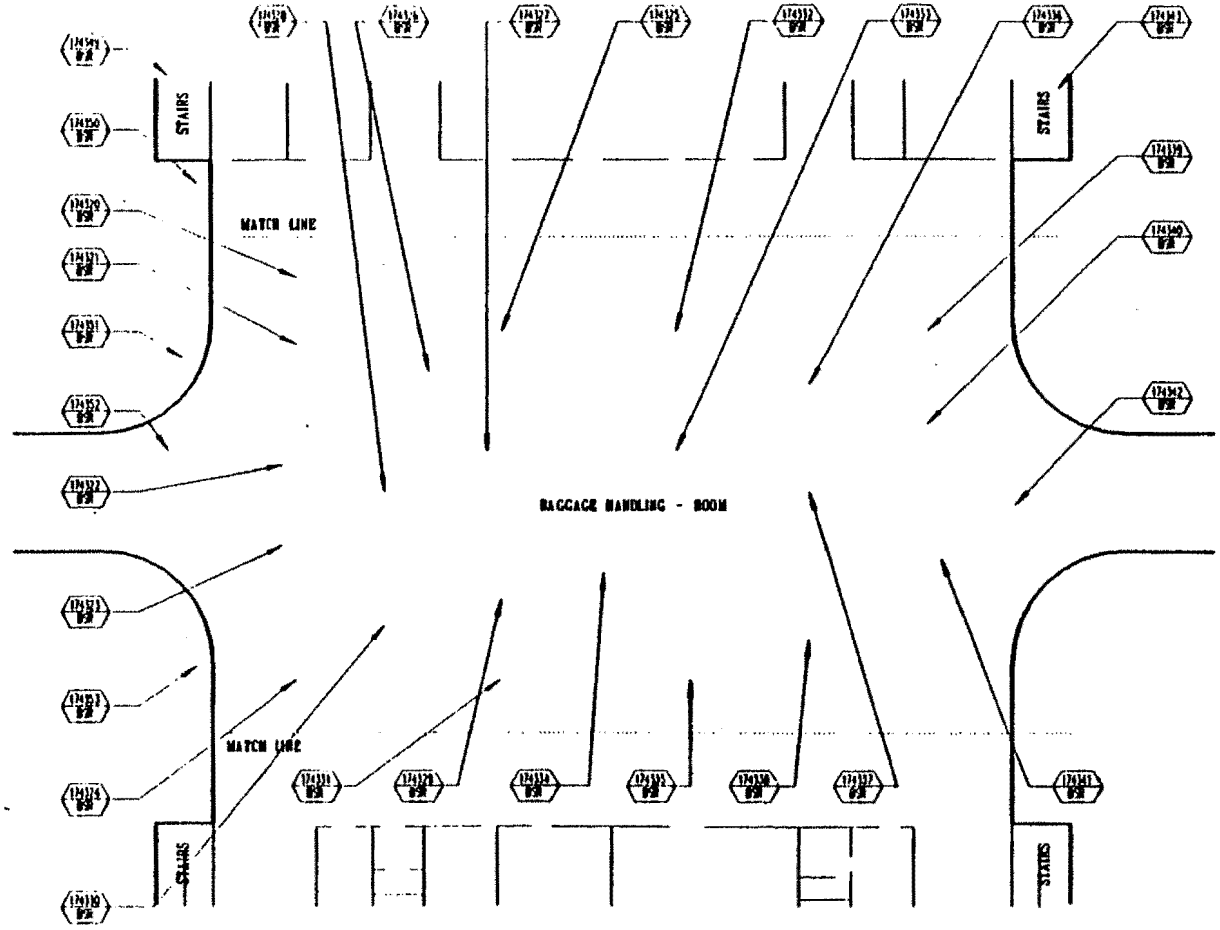


OPERATION LEVEL

HALL-EMBRELL

FINAL DRAWINGS
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
NORTHWEST AIRLINES
BUILDING 54

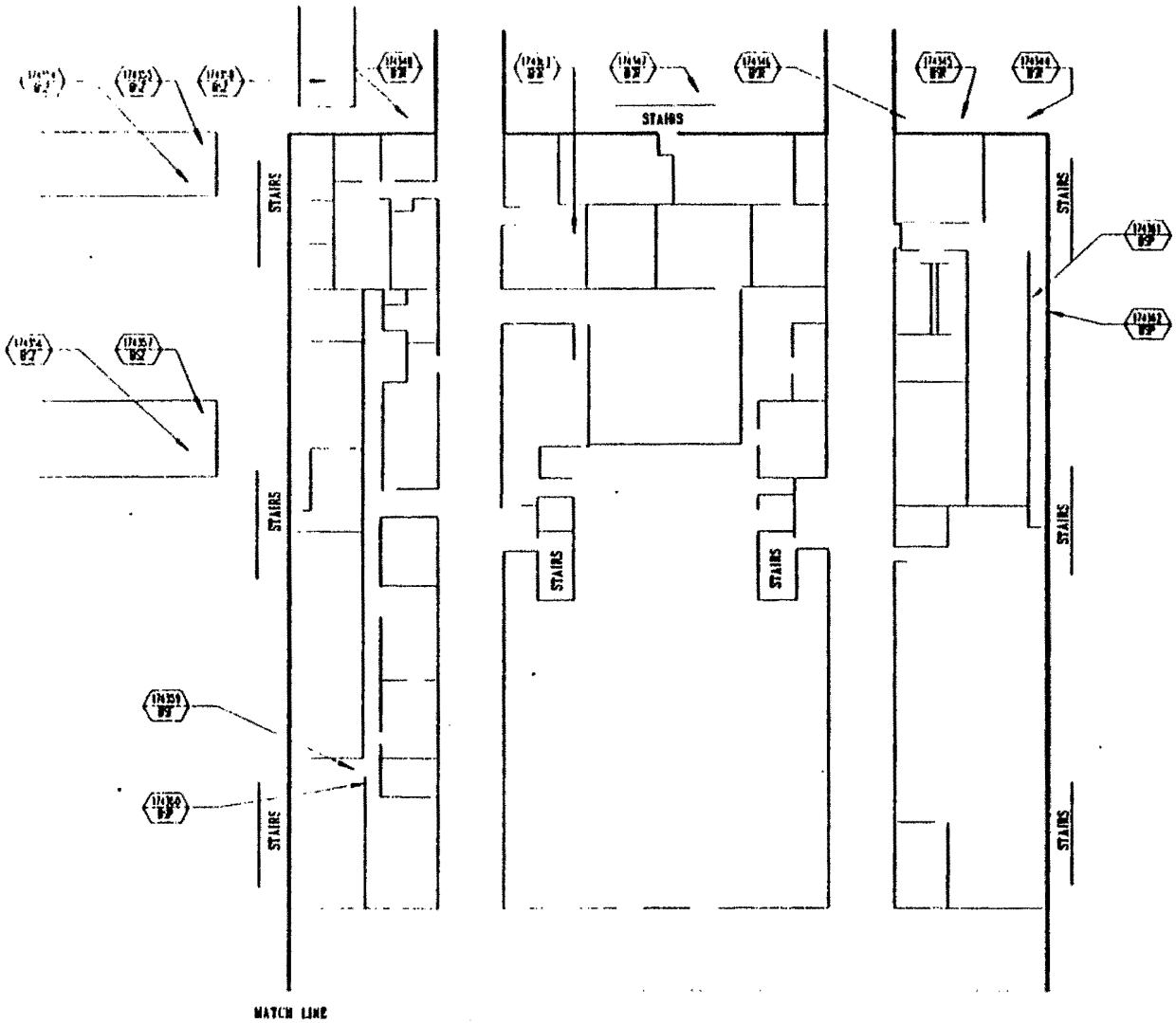


OPERATIONS - CENTER

HALL-KAMMELL

FINAL DRAWINGS
ASBESTOS ASSESSMENT STUDY

MSP INTERNATIONAL AIRPORT
NORTHWEST AIRLINES
BUILDING 54



OPERATIONS - REAR

HALL-EDGERTON

FINAL DRAWINGS

ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
NORTHWEST AIRLINES
BUILDING 54

STAIRS
STAIRS
MATCH LINE
MATCH LINE
CONCOURSE
MEZZANINE - PROMT
FINAL DRAWINGS
TERMINAL

MEZZANINE - PLAN
CONCOURSE

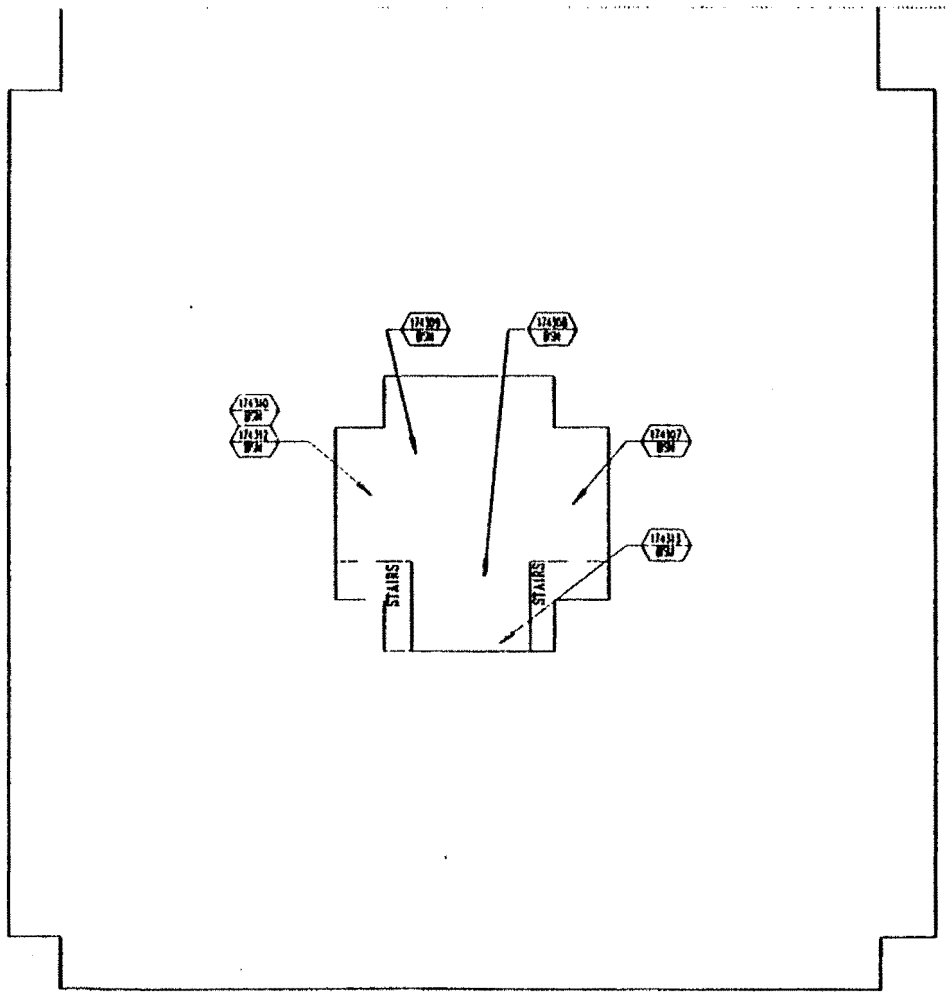
PENTHOUSE REAR

WATER LINE

FINAL DRAWINGS

WALL EXHAUST TYPE

MATCH LINE



PENTHOUSE FRONT

HALL-EDWELL

FINAL DRAWINGS
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
NORTHWEST AIRLINES
BUILDING 51

INTERNATIONAL ARRIVALS BUILDING

BUILDING 50

FINDINGS AND OBSERVATIONS

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

The International Arrivals Building (IAB) is a three-story airline terminal building with a crawl space and was constructed in 1957. It is constructed with concrete, steel, cinder block, and brick. The entire structure, including crawl space, encompasses approximately 1.5 million square feet of floor space, nearly all of which has been renovated or will be renovated in the future.

Passenger terminal space is leased by the Port Authority of New York and New Jersey to tenants which include Aer Lingus, Aerolineas Argentinas, Aeromexico, Air France, Air India, Air Portugal, Alitalia, American Telephone and Telegraph (AT&T), Barney Construction, Citibank, Dynair, El Al, Faber, Five Star Parking, Hudson General, Iberia, IBI Security, Icelandair, International Duty Free (IDF), International Shoppes, Japan Airlines (JAL), Korea Air Lines (KAL), KLM Royal Dutch Airlines, Lacsa, Lan Chile, Lufthansa, Marriott Host, Mutual of Omaha, National Weather Services, New York Telephone (NYTEL), Nigeria Air, Ogden Allied, Pakistan International Airlines (PIA), Scandinavian Air Systems (SAS), Servair, Skycaps, Swissair, Tele-trip Triangle Maintenance, United States Department of Agriculture (USDA), United States Department of Commerce, and Varig.

The building is heated with hot water radiant and forced-air systems, and is cooled by a chilled water forced-air system. High temperature hot water is supplied to the International Arrivals Building from the central heating plant. These systems contain an extensive network of plumbing and duct work which is exposed in 30 utility rooms and runs throughout the building. Most of the plumbing and duct work is insulated. Insulated domestic water lines and roof drains are present throughout the building within the pipe chases.

Asbestos-containing materials identified in this facility include corrugated cardboard, wrapped cardboard, and magnesia pipe insulations and corresponding mudded joint packings on elbows, tees, and valves; mudded joint packing on fiberglass-insulated piping systems; breeching insulation; duct insulation; tank insulation; vinyl floor tiles; acoustical/decorative plaster; fireproofing material; and transite-type materials used as electrical conduit channeling. The majority of the asbestos-containing mechanical insulations are present in the crawl space, utility rooms, above the drop ceiling systems, and within pipe chases. The piping systems with asbestos-containing insulation are the domestic water, hot water supply and return, chilled water supply and return, and roof drain systems. Although the fireproofing material is present throughout the facility, it was identified as asbestos-containing in the third floor fan room in the Iberia/Aeromexico tenant space and in the third floor fan room in the Lufthansa tenant space. The fireproofing in these two areas has been classified as Priority Level I due to the overall material condition and accessibility. Hall-Kimbrell recommends the fireproofing be removed using gross removal procedures. The mudded joint packings on the fiberglass-insulated piping systems should be removed at the same time as the fireproofing to ensure complete removal of all asbestos-containing materials from these areas and eliminate the need for future abatement. The remaining fireproofing was sampled and determined nonasbestos-containing.

Asbestos-containing acoustical/decorative plaster is present on the ceilings of various areas throughout the building including the office space leased by Barney Construction, the International Duty Free store space, the Marriott Snack Bar space, and the Mutual of Omaha tenant space, all on the second floor; and the east and west wing second floor gate and common areas. The plaster in these areas has encountered both contact and water damage in various amounts. Due to the accessibility and condition of the plaster, it has been classified as Priority Level I. Areas of contact damage should be repaired and encapsulated to prevent fiber fallout until removal becomes feasible. Areas of water damage can only be repaired after the source of the water is located and eliminated. Once this has been done, the damaged areas should be repaired and encapsulated until removal is feasible. Due to the extensive amount of plaster, it must be abated using gross removal procedures.

Utility Room 1 on the first floor in the center section of the facility contains badly damaged asbestos-containing pipe and tank insulations and associated debris on the floor. Utility Room 1 has been classified as Priority Level I area due to the poor material condition and frequency of access. Due to the condition of the material, Hall-Kimbrell recommends abatement of the room using gross removal procedures to ensure the complete removal of all asbestos-containing materials.

The final Priority Level I areas are present in the unexcavated crawl space. Maintenance work has been performed on the piping systems and asbestos-containing insulation debris was left on the floor. The Special Response Team of the Port Authority periodically enters this area and removes the insulation debris; therefore, the quantities listed on the spreadsheets may no longer be accurate. Please refer to the spreadsheets for material locations and quantities, and specific area comments.

Acoustical/decorative plaster ceilings are present in the second floor Citibank office space, the second and third floor El Al Airlines passenger lobby and lounge, the second floor Marriott storage room and Room 2220, the third floor Marriott banquet room, the second floor Port Authority engineer's office, the third floor common lounges, and the main lobby area of the facility. The plaster in these areas exhibited little to no damage at the time of the inspection. However, these areas have been classified as Priority Level II due to the accessibility and friability of the material. Hall-Kimbrell recommends the implementation of an operations and maintenance program to monitor the plaster for signs of damage or deterioration until complete removal is feasible. Any damage should be repaired as needed using nonasbestos materials.

The pipe and tank insulations throughout the crawl space ceiling; crawl space Mechanical Rooms 3, 4, 5, and 6; first floor Mechanical Room 1; first floor janitor's closet; and third floor Mechanical Rooms 10 and 22 have been classified as Priority Level II materials. The insulations have various amounts of contact and water damage. Hall-Kimbrell recommends that damaged asbestos-containing mechanical insulation be removed and replaced with nonasbestos-containing insulation. The mechanical rooms can be individually abated by gross removal procedures to ensure complete removal of all asbestos-containing materials. Addressing the mechanical rooms on an individual basis is an economical approach to abatement because each room can be addressed as funding becomes available. The crawl space and crawl space mechanical rooms should be addressed collectively in a gross abatement project to forego the need for multiple smaller abatement projects addressing individual areas. A large gross abatement project would eliminate the need for construction of many smaller containments, and would decrease long-term abatement costs.

Transite-type panels were observed on the interior jetway walls. These panels could not be sampled without creating severe cosmetic damage. They are cementitious and present little health hazard unless sawn, sanded, drilled, or in any other way altered causing release of fibers. The panels should be treated as asbestos-containing until they are analyzed prior to demolition or renovation.

The remaining asbestos-containing materials present in the facility were in good condition and have been classified as Priority Levels III and IV. Hall-Kimbrell recommends the implementation of an operations and maintenance program to monitor these materials for signs of damage or deterioration until complete removal is feasible. Any damage should be repaired as needed to prevent fiber release and exposure. No other friable asbestos-containing materials were identified during the inspection.

Materials sampled and determined nonasbestos-containing include ceiling tiles, floor tiles, mudded joint packings on fiberglass-insulated piping systems, fireproofing, and wallboard. Please refer to the spreadsheets for material locations and quantities, and specific area comments.

COST ESTIMATE

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

Removal of all asbestos-containing materials in Priority Level I and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$8,572,841
10% Contingency	$857,284
Total Removal/Replacement with Contingency	$9,430,125

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.	
Estimated at 6.5% of Total Construction Cost:	
6.5% X $9,430,125	$612,958
On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)	
Estimated at 1,636 8-hour shifts:	
1,636 X $490	$801,640
Reimbursable out-of-pocket and travel-related expenses	
Estimated at 2.0% of Total Construction Cost:	
2.0% X $9,430,125	$188,603
Total Project Estimate Including Professional Fees and Contingency	$11,033,326

COST ESTIMATE

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

Removal of all asbestos-containing materials in Priority Level II and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$3,318,232
10% Contingency	$331,823
Total Removal/Replacement with Contingency	$3,650,055

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.5% of Total Construction Cost:

6.5% X $3,650,055	$237,254

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 633 8-hour shifts:

633 X $490	$310,170

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $3,650,055	$73,001

Total Project Estimate Including Professional Fees and Contingency	$4,270,480

COST ESTIMATE

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

Removal of all asbestos-containing materials in Priority Level III and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$2,683,807
10% Contingency	$268,381
Total Removal/Replacement with Contingency	$2,952,188

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.5% of Total Construction Cost:

6.5% X $2,952,188	$191,892

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 572 8-hour shifts:

572 X $490	$250,880

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $2,952,188	$59,044

Total Project Estimate Including Professional Fees and Contingency	$3,454,004

COST ESTIMATE

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

Removal of all asbestos-containing materials in Priority Level IV and replacement with nonasbestos-containing materials.

Total Removal/Replacement	$769,723
10% Contingency	$76,972
Total Removal/Replacement with Contingency	$846,695

The above total cost with contingency is an estimate of the actual cost once the bids are opened or the project is negotiated with a contractor.

Architectural/Engineering fees for design management, development of specifications and plans, etc.

Estimated at 6.7% of Total Construction Cost:

6.7% X $846,695	$56,729

On-site air monitoring and construction supervision during abatement (based on $490.00 per 8-hour shift per technician)

Estimated at 150 8-hour shifts:

150 X $490	$73,500

Reimbursable out-of-pocket and travel-related expenses

Estimated at 2.0% of Total Construction Cost:

2.0% X $846,695	$16,934

Total Project Estimate Including Professional Fees and Contingency	$993,858

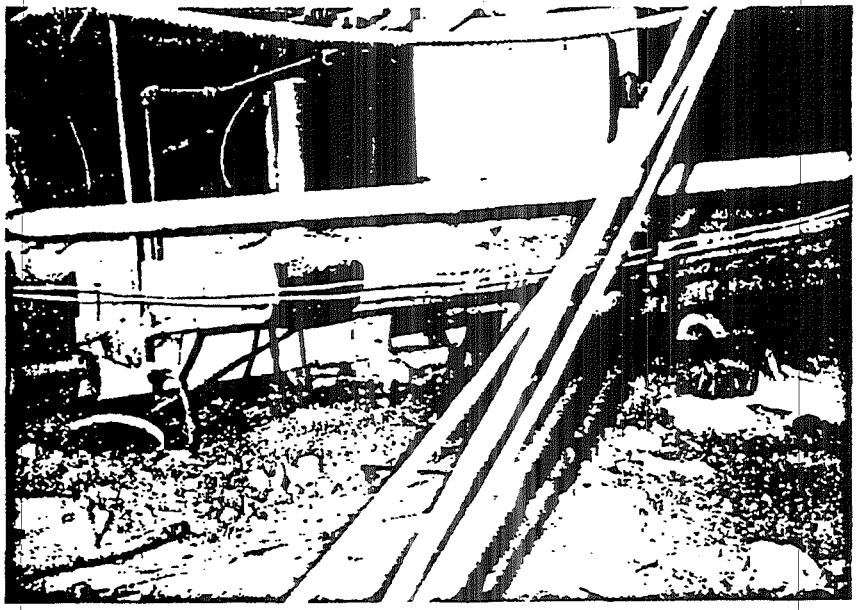
PHOTOGRAPH LOG

BUILDING 50 - INTERNATIONAL ARRIVALS BUILDING

Picture #	Description
1	International Arrivals Building, basement crawl space, by UR6, piping and debris.
2	International Arrivals Building, basement crawl space, UR6, piping and debris.
3	International Arrivals Building, basement crawl space, under customs, piping and debris.
4	International Arrivals Building, entryway, common area, curved ceiling, acoustical plaster.
5	International Arrivals Building, First Floor, east wing, Gate 12, fireproofing
6	International Arrivals Building, First Floor, east wing, Utility Room 2, piping
7	International Arrivals Building, First Floor, east wing, Utility Room 2, tanks
8	International Arrivals Building, Second Floor, west wing, Utility Room 7, duct insulation.
9	International Arrivals Building, Second Floor, west wing, corridor ceiling, acoustical plaster
10	International Arrivals Building, Second Floor, west wing, switch gear room, "Pyrobar" firebrick
11	International Arrivals Building, Second Floor, west wing, switch gear room, fireproofing on I-beam.
12	International Arrivals Building, Second Floor, west wing, switch gear room, fireproofing on I-beam.

C-LINE #52584
35MM PRINTS

50



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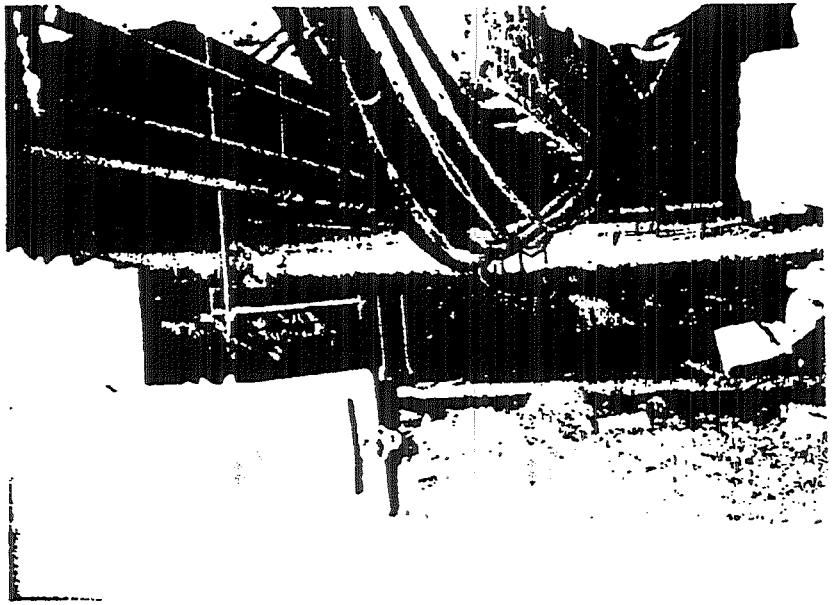
3



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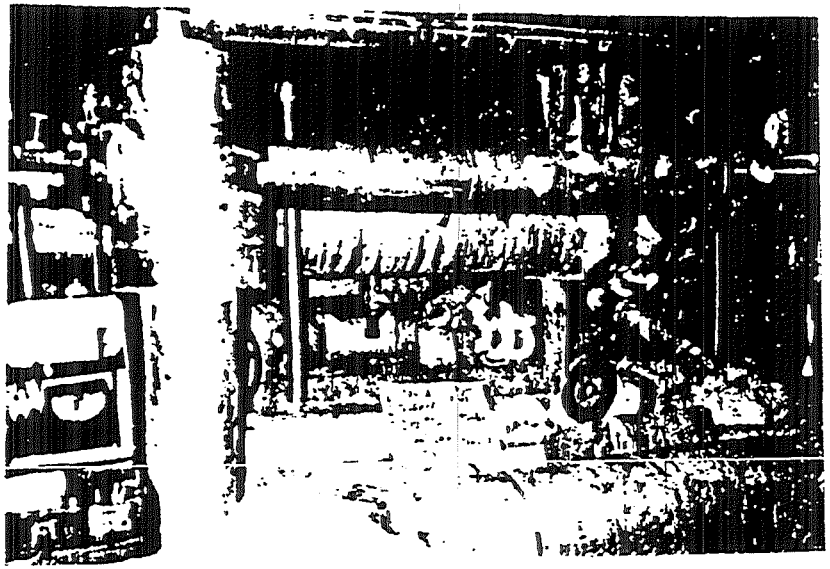
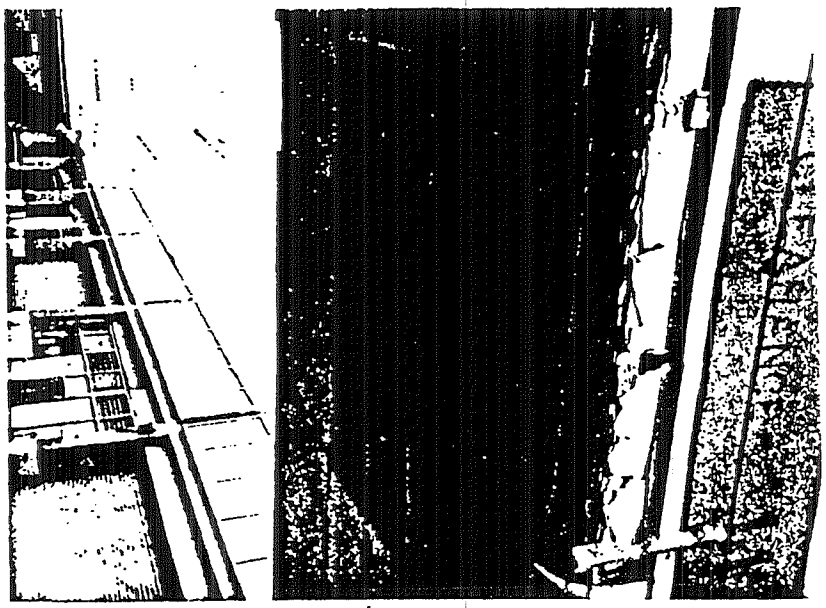


C-LINE #52584
35MM PRINTS

50

5



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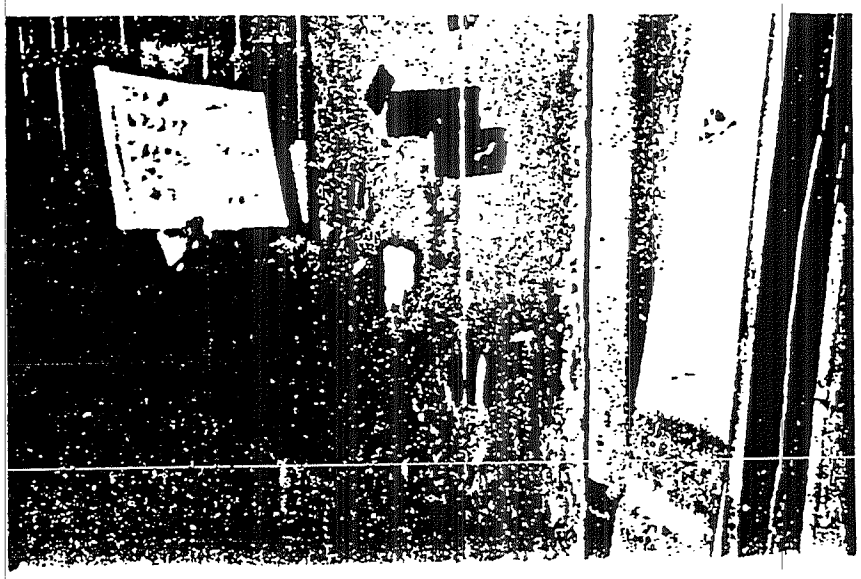

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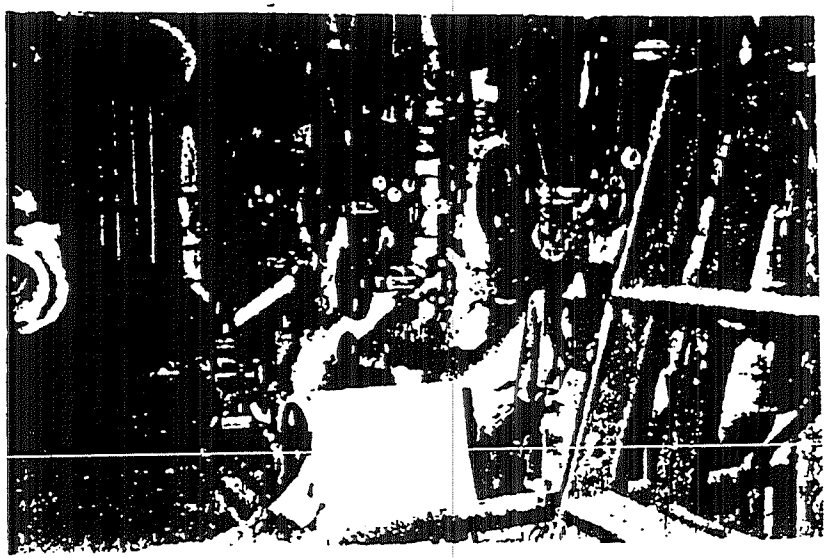
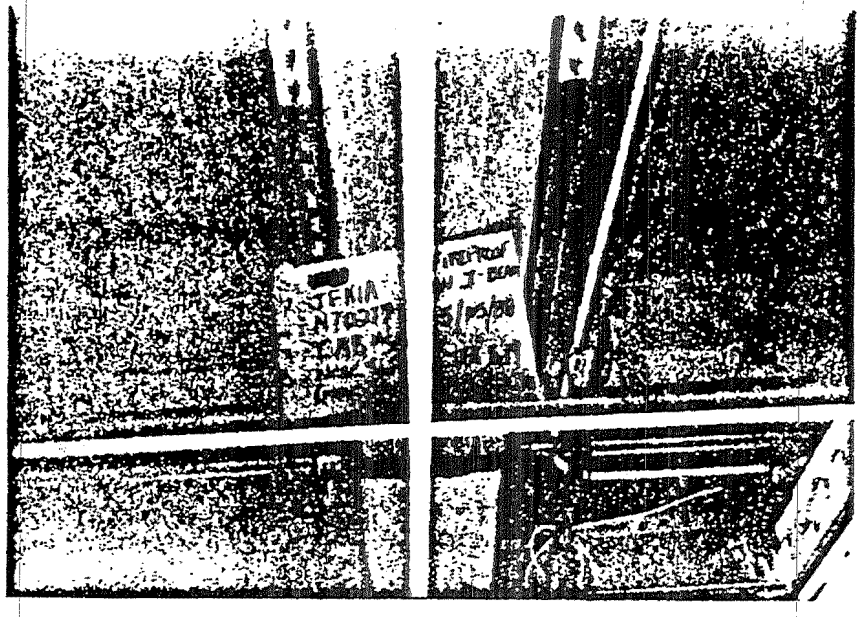


8

C-LINE #52584
35MM PRINTS

50



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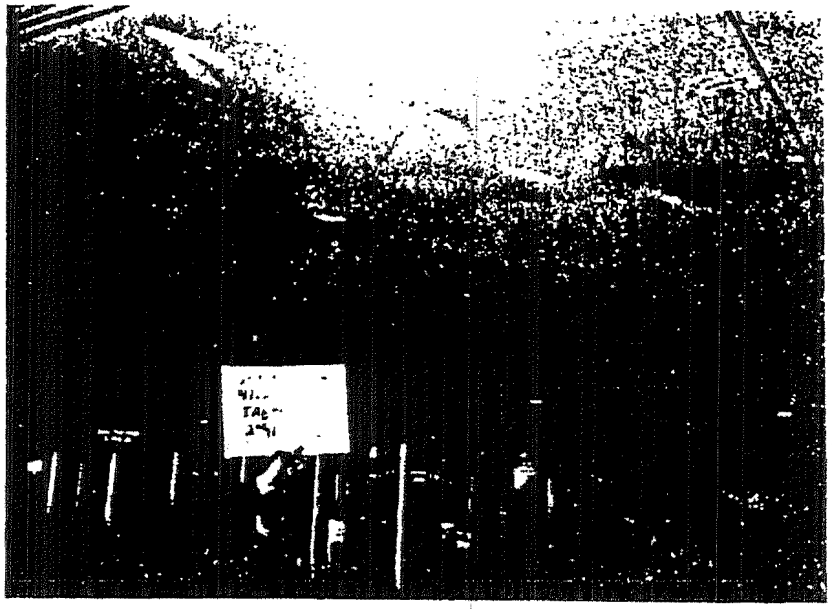
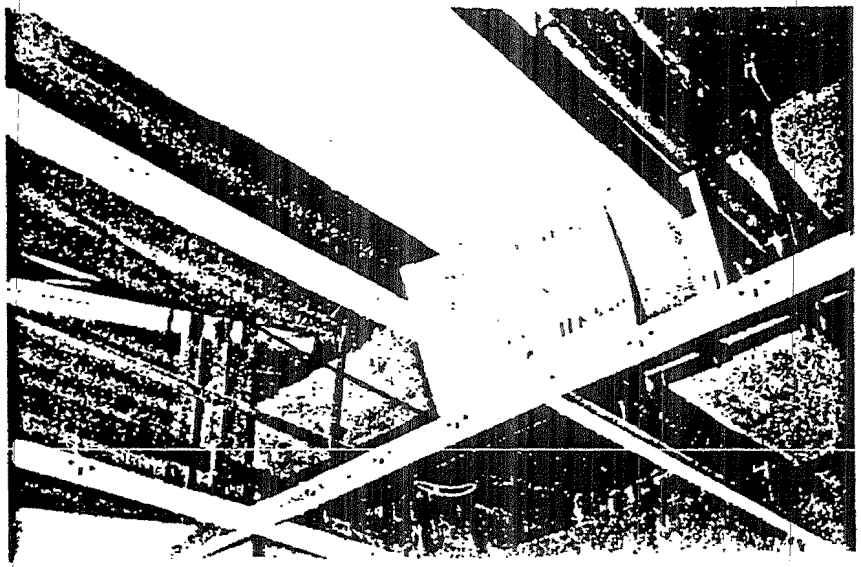
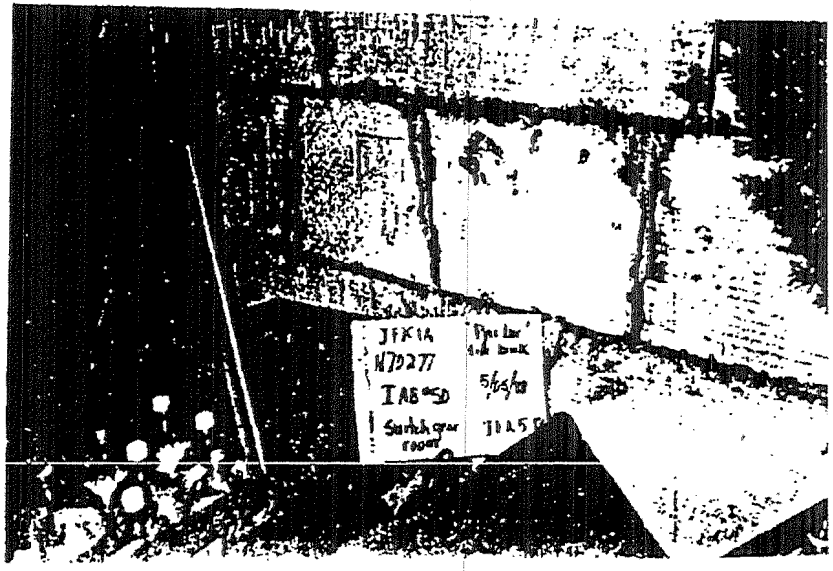




10
12



HALL-KINBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

				ASBESTOS					OTHER MATERIALS						
SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
62 -187001	Y	Y	70	35	35				10				20		100
62 -187002	Y	Y	65	35	30				10				25		100
62 -187003	Y	Y	70	40	30				10				20		100
63 -187004	Y	Y	35		35				45				20		100
63 -187005	Y	Y	30		30				45				25		100
63 -187006	Y	Y	35		35				40				25		100
0 -187007	N	N	0						60	30			10		100
0 -187008	N	Y	6	6									34	50 CAL GM 10	100
0 -187009	N	N	0						40	45		10	5		100
0 -187010	N	N	0						85				15		100
64 -187011	Y	Y	50	50									50		100
64 -187012	Y	Y	55	55									45		100
64 -187013	Y	Y	50	50									50		100
65 -187014	Y	Y	50	50									50		100
65 -187015	Y	Y	50	50									50		100
65 -187016	Y	Y	55	55									45		100
0 -187017	N	Y	80	80						10			10		100
66 -187018	Y	Y	60	60									40		100
66 -187019	Y	Y	60	60									40		100
66 -187020	Y	Y	45	45					20				35		100
67 -187021	Y	Y	55	55					10				35		100
67 -187022	Y	Y	50	50					10				40		100
67 -187023	Y	Y	55	55					10				35		100
0 -187024	N	Y	55	30	25								45		100
68 -187025	Y	Y	70	45	25								30		100
68 -187026	Y	Y	65	65									35		100
68 -187027	Y	Y	70	70									30		100
69 -187028	Y	N	0						70				30		100
69 -187029	Y	N	0						75				25		100
69 -187030	Y	N	0						70				30		100
70 -187031	Y	Y	60	60									40		100
70 -187032	Y	Y	60	60									30	10 L	100
70 -187033	Y	Y	65	65									35		100
71 -187034	Y	Y	50	50									50		100
71 -187035	Y	Y	55	55									45		100
71 -187036	Y	Y	50	50									50		100
0 -187037	N	Y	40	40						50			10		100
72 -187038	Y	Y	65	65									35		100
72 -187039	Y	Y	55	55									45		100
72 -187040	Y	Y	60	60									40		100
73 -187041	Y	Y	60	60									40		100
73 -187042	Y	Y	60	60									40		100
73 -187043	Y	Y	60	60					20				20		100
74 -187044	Y	N	0						70				30		100
74 -187045	Y	N	0						65				35		100
74 -187046	Y	N	0						70				30		100
75 -187047	Y	N	0						5		40			55 GYP	100
75 -187048	Y	N	0						5		45			50 GYP	100
75 -187049	Y	N	0						5		45			50 GYP	100
75 -187050	Y	N	0						5		40			55 GYP	100
75 -187051	Y	N	0						5		45			50 GYP	100
0 -187052	N	N	0						70	20			10		100
0 -187053	N	N	0						65	25			10		100
76 -187054	Y	N	0						70				30		100
76 -187055	Y	N	0						65				35		100
76 -187056	Y	N	0						70				30		100
77 -187057	Y	N	0							20	55		25		100
77 -187058	Y	N	0							25	55		20		100
77 -187059	Y	N	0							20	55		25		100
77 -187060	Y	N	0							25	55		20		100
77 -187061	Y	N	0							25	50		25		100
78 -187062	Y	Y	2	2						13		60	25		100
78 -187063	Y	Y	3	3						20	10	50	17		100
78 -187064	Y	Y	2	2						18	10	50	20		100
78 -187065	Y	Y	2	2						25		50	23		100
78 -187066	Y	Y	2	2						20		55	23		100
0 -187067	N	N	0						75	15			10		100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER			TOTAL
0 -187068	N	N	0						60	30			10				100
79 -187069	Y	N	0									20	30	50 GM			100
79 -187070	Y	N	0									20	30	50 GM			100
79 -187071	Y	N	0									10	30	60 GM			100
0 -187072	N	N	0						70	20			10				100
0 -187073	N	N	0						75	15			10				100
80 -187074	Y	N	0						60				20	20 GM			100
80 -187075	Y	N	0						55				30	15 GM			100
80 -187076	Y	N	0						55				25	20 GM			100
0 -187077	N	N	0						50	35		10	5				100
0 -187078	N	N	0						40	40		15	5				100
0 -187079	N	N	0						55	35			10				100
0 -187080	N	N	0						35	35		25	5				100
0 -187081	N	N	0						35	45		15	5				100
0 -187082	N	N	0						60	35			5				100
0 -187083	N	N	0						90				10				100
0 -187084	N	N	0						65	25			10				100
81 -187085	N	N	0									25	25	50 GM			100
81 -187086	N	N	0										20	20 GM	CAL	60	100
81 -187087	N	N	0									20	25	45 GM	SF	10	100
0 -187088	N	N	0						30	45		20	5				100
82 -187089	Y	Y	15	15							50		35				100
82 -187090	Y	Y	15	15							55		30				100
82 -187091	Y	Y	15	15							50		35				100
0 -187092	N	N	0										65	35 GM			100
0 -187093	N	Y	25	25										45 TAR SFM		30	100
26 -187101	Y	Y	15	15					10	15			40	20 GM			100
26 -187102	Y	Y	25	25					10	10			25	10 PT	GM	20	100
26 -187103	Y	Y	35	35					20	10			25	10 GM			100
27 -187104	Y	Y	40	40					10	10			30	10 PT			100
27 -187105	Y	Y	10	10					30				30	10 PT	GM	20	100
27 -187106	Y	Y	50	50					20				30				100
0 -187107	N	Y	2	2						90			8				100
28 -187108	Y	Y	60	60							10		30				100
28 -187109	Y	Y	40	40							10		40	10 COT			100
28 -187110	Y	Y	30	30							10		50	10 COT			100
0 -187111	N	Y	70	70						30							100
29 -187112	Y	Y	55	55									25	20 L			100
29 -187113	Y	Y	50	50									35	15 L			100
29 -187114	Y	Y	50	50									30	20 L			100
30 -187115	N	Y	60	60					20				20				100
30 -187116	N	Y	15	15					40				45				100
30 -187117	N	Y	40	40					20				40				100
31 -187118	Y	Y	10	10						10			60	20 GM			100
31 -187119	Y	Y	35	35									35	30 GM			100
31 -187120	Y	Y	20	20						10			35	35 GM			100
0 -187121	N	Y	20	20						70			10				100
32 -187122	Y	Y	25	15	10				10	10			35	20 GM			100
32 -187123	Y	Y	40	25	15					10			25	25 GM			100
32 -187124	Y	Y	50	25	25								20	30 GM			100
33 -187125	Y	Y	70	20	50								30				100
33 -187126	Y	Y	40	30	10								60				100
33 -187127	Y	Y	55	35	20								45				100
0 -187128	N	Y	25	15	10								55	20 GM			100
34 -187129	Y	Y	50	50					20				30				100
34 -187130	Y	Y	25	20	5				30				45				100
34 -187131	Y	Y	30	20	10				30				40				100
35 -187132	Y	Y	50	50					10	10			10	20 L			100
35 -187133	Y	Y	10	10					40				40	10 MF			100
35 -187134	Y	N	0						50				50				100
0 -187135	N	Y	40		40								40	20 GM			100
36 -187136	Y	Y	45	45									25	20 L	MAG	10	100
36 -187137	Y	Y	55	55					10				10	15 L	MAG	10	100
36 -187138	Y	Y	60	60									35	15 L	MAG	10	100
0 -187139	N	Y	25	25						60			15				100
37 -187140	N	N	0										90	10 PT			100
37 -187141	N	N	0						50				50				100

HALL-KINBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
37 -187142	N	N	0										90	10 PT	100
38 -187143	Y	N	0						60				40		100
38 -187144	Y	Y	45	45					10				25	20 L	100
38 -187145	Y	N	0						60				40		100
39 -187146	Y	Y	25	15	10								75		100
39 -187147	Y	Y	40	20	20								60		100
39 -187148	Y	Y	30	20	10								70		100
40 -187149	Y	Y	40	20	20								60		100
40 -187150	Y	Y	45	25	20								55		100
40 -187151	Y	Y	35	15	20								65		100
41 -187152	Y	Y	35	20	15								65		100
41 -187153	Y	Y	55	20	35								45		100
41 -187154	Y	Y	30	15	15								70		100
0 -187155	N	Y	50	50					40				10		100
42 -187156	Y	Y	55	55					10				35		100
42 -187157	Y	Y	20	20					50	10			20		100
42 -187158	Y	Y	30	30					50	10			10		100
43 -187159	Y	Y	30	30					40				30		100
43 -187160	Y	Y	25	25					55				20		100
43 -187161	Y	Y	40	40					50				10		100
44 -187162	Y	Y	80	40	40								10	10 COT	100
44 -187163	Y	Y	65	30	35								35		100
44 -187164	Y	Y	60	30	30								40		100
45 -187165	Y	Y	45	20	25								55		100
45 -187166	Y	Y	40	20	20								60		100
45 -187167	Y	Y	50	15	35								50		100
46 -187168	Y	Y	25	10	15								75		100
46 -187169	Y	Y	10		10								90		100
46 -187170	Y	Y	20	10	10								80		100
47 -187171	Y	Y	20	10	10								80		100
47 -187172	Y	Y	30	20	10								70		100
47 -187173	Y	Y	50	15	35								50		100
48 -187174	Y	Y	45	15	30								45	10 COT	100
48 -187175	Y	Y	45	10	35								45	10 COT	100
48 -187176	Y	Y	45	15	30								45	10 COT	100
49 -187177	Y	Y	35	15	20								65		100
49 -187178	Y	Y	45	25	20								55		100
49 -187179	Y	Y	40	15	25								60		100
50 -187180	Y	Y	40	20	20								60		100
50 -187181	Y	Y	55	40	15								45		100
50 -187182	Y	Y	60	40	20								40		100
51 -187183	Y	Y	55	35	20								45		100
51 -187184	Y	Y	55	30	25								45		100
51 -187185	Y	Y	70	40	30								30		100
52 -187186	Y	Y	65	30	35								35		100
52 -187187	Y	Y	60	25	35								40		100
52 -187188	Y	Y	50	25	25								50		100
53 -187189	Y	Y	80	45	35								20		100
53 -187190	Y	Y	85	40	45								15		100
53 -187191	Y	Y	65	30	35								35		100
54 -187192	Y	Y	65	30	35								25	10 COT	100
54 -187193	Y	Y	85	40	45								15		100
54 -187194	Y	Y	75	30	45								25		100
55 -187195	Y	Y	70	30	40								30		100
55 -187196	Y	Y	65	20	45								35		100
55 -187197	Y	Y	65	45	20								35		100
56 -187198	Y	Y	60	45	15								40		100
56 -187199	Y	Y	40	20	20								60		100
56 -187200	Y	Y	70	30	40								30		100
83 -187221	Y	Y	10	10								65	15	10 GM	100
83 -187222	Y	Y	12	12								63	15	10 GM	100
83 -187223	Y	Y	10	10								63	12	15 GM	100
83 -187224	Y	Y	15	15								65	10	10 GM	100
83 -187225	Y	Y	10	10								70	10	10 GM	100
83 -187226	Y	Y	12	12								63	15	10 GM	100
83 -187227	Y	Y	10	10								65	15	10 GM	100
83 -187228	Y	Y	12	12								66	12	10 GM	100

HALL-KINBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

				ASBESTOS				OTHER MATERIALS						
SAMPLE NUMBER	KOMO	ASB/PRES	TOTAL ASB	CHRY	AMO	CRO	ANT	TRE	WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
83 -187229	Y	Y	15	15								60	15	10 GM	100
83 -187230	Y	Y	10	10								68	10	12 GM	100
83 -187231	Y	Y	15	15						10		55	10	10 GM	100
83 -187232	Y	Y	12	12						10		53	15	10 GM	100
83 -187233	Y	Y	10	10						10		58	12	10 GM	100
83 -187234	Y	Y	12	12						15		51	12	10 GM	100
83 -187235	Y	Y	12	12						10		53	15	10 GM	100
83 -187236	Y	Y	10	10						10		55	15	10 GM	100
83 -187237	Y	Y	12	12						10		58	10	10 GM	100
83 -187238	Y	Y	15	15						10		55	10	10 GM	100
83 -187239	Y	Y	10	10						10		58	12	10 GM	100
83 -187240	Y	Y	10	10						15		50	15	10 GM	100
57 -187301	Y	Y	70	30	40								30		100
57 -187302	Y	Y	50	30	20								50		100
57 -187303	Y	Y	50	30	20								50		100
58 -187304	Y	Y	55	25	30								45		100
58 -187305	Y	Y	55	45	10								45		100
58 -187306	Y	Y	45	30	15								55		100
59 -187307	Y	Y	55	25	30								45		100
59 -187308	Y	Y	55	30	25								45		100
59 -187309	Y	Y	60	20	40								40		100
60 -187310	Y	Y	20	20					40				40		100
60 -187311	Y	Y	30	30					40				30		100
60 -187312	Y	Y	35	35						35			30		100
0 -187313	N	Y	20	20						70				10 TAR	100
61 -187314	Y	Y	60	60									40		100
61 -187315	Y	Y	55	55									45		100
61 -187316	Y	Y	60	60						10			30		100
0 -187317	N	Y	65	65						25			10		100
0 -187318	N	N	0											100 SF	100
0 -187319	N	Y	2	2									10	88 CAL	100
0 -187321	N	N	0						30	50		10	10		100
0 -187322	N	N	0						30			45	25		100
0 -187323	N	N	0										15	85 GM	100
0 -187324	N	N	0							80			20		100
0 -187325	N	N	0						40	50		10			100
84 -187326	Y	Y	8	8								32	10	50 GM	100
84 -187327	Y	Y	5	5								45	10	40 GM	100
84 -187328	Y	Y	4	4								36	30	30 GM	100
84 -187329	Y	Y	8	8								40	12	40 GM	100
84 -187330	Y	Y	8	8								10	32	50 GM	100
0 -187331	N	N	0						80				20		100
0 -187332	N	Y	2	2									15	83 GM	100
0 -187333	N	Y	2	2									10	88 GM	100
0 -187334	N	N	0						65	10			25		100
85 -187335	Y	Y	5	5							45		50		100
85 -187336	Y	Y	6	6							44		50		100
85 -187337	Y	Y	8	8							42		50		100
0 -187338	N	N	0						90				10		100
86 -187339	Y	Y	10	10								50	30	10 PY	100
86 -187340	Y	Y	10	10								50	30	10 PT	100
86 -187341	Y	Y	5	5								30	55	10 PY	100
86 -187342	Y	Y	10	10								30	50	10 PY	100
86 -187343	Y	Y	8	8								52	35	5 PT	100
87 -187344	Y	N	0								20		60	20 GM	100
87 -187345	Y	N	0								10		70	20 GM	100
87 -187346	Y	N	0								10		70	20 GM	100
87 -187347	N	N	0								20		60	20 GM	100
87 -187348	Y	N	0								20		60	20 GM	100
88 -187349	Y	N	0						90				10		100
88 -187350	Y	Y	2	2					88				10		100
88 -187351	Y	Y	4	4					86				10		100
89 -187352	Y	N	0						40				20	40 GM	100
89 -187353	Y	N	0						50				10	40 GM	100
89 -187354	Y	N	0						40				10	50 GM	100
89 -187355	Y	N	0						30				10	60 GM	100
89 -187356	Y	N	0						40				10	50 GM	100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
0 -187357	N	N	0						25				60	15 GM	100
90 -187358	Y	Y	35	35							15		50		100
90 -187359	Y	Y	35	35							20		45		100
90 -187360	Y	Y	30	30							30		40		100
90 -187361	Y	Y	25	25							25		50		100
90 -187362	Y	Y	10	10							30		60		100
91 -187363	Y	N	0								40		60		100
91 -187364	Y	N	0								40		60		100
91 -187365	Y	N	0								50		50		100
91 -187366	Y	N	0								40		60		100
91 -187367	Y	N	0								50		50		100
91 -187368	Y	N	0								60		40		100
91 -187369	Y	N	0								30		70		100
0 -187370	N	N	0										20	80 CAL	100
0 -187371	N	N	0						40	30			30		100
0 -187372	N	Y	2	2					40					58 TAR	100
0 -187658	N	Y	7	2	5								20	73 CAL	100
1 -187659	Y	Y	20	20						30			50		100
1 -187660	Y	Y	30	30						30			40		100
1 -187661	Y	Y	30	30						30			40		100
2 -187662	Y	Y	35	35						30			35		100
2 -187663	Y	Y	20	20						40			40		100
2 -187664	Y	Y	25	25						35			40		100
0 -187665	N	Y	30		30				10				60		100
3 -187666	N	Y	5	5					75				20		100
3 -187667	N	Y	40	40						30			30		100
3 -187668	N	Y	45	45						30			25		100
0 -187669	N	Y	30		30								70		100
0 -187670	N	Y	30		30								70		100
4 -187671	Y	Y	50	10	40								50		100
4 -187672	Y	Y	50	20	30								50		100
4 -187673	Y	Y	40	10	30								60		100
0 -187674	N	Y	5	5						85			10		100
5 -187675	Y	Y	40	40									20	40 TAR	100
5 -187676	Y	Y	45	45									35	20 TAR	100
5 -187677	Y	Y	40	40									50	10 TAR	100
0 -187678	N	Y	65	65						20			15		100
6 -187679	Y	Y	30	30									70		100
6 -187680	Y	Y	35	35									55	10 TAR	100
6 -187681	Y	Y	40	40									50	10 TAR	100
7 -187682	Y	N	0							35	30		35		100
7 -187683	Y	N	0							40	25		35		100
7 -187684	Y	N	0							40	30		30		100
0 -187685	N	Y	40	40									60		100
0 -187686	N	Y	20	20						70			10		100
8 -187687	Y	Y	20	20						20			60		100
8 -187688	Y	Y	40	40									40	20 TAR	100
8 -187689	Y	Y	15	15					30				55		100
9 -187690	Y	Y	2	2					60				38		100
9 -187691	Y	N	0						50				50		100
9 -187692	Y	N	0						50				50		100
10 -187693	Y	N	0						40				60		100
10 -187694	Y	N	0						45				55		100
10 -187695	Y	N	0						50				50		100
11 -187836	N	Y	70	70									30		100
11 -187837	Y	Y	25	25									25	50 CAL	100
11 -187838	Y	Y	20	20									30	50 CAL	100
0 -187840	N	N	0						50	20		10	10	10 PT	100
0 -187841	N	N	0										80	20 GM	100
0 -187842	N	N	0										70	30 GM	100
0 -187843	N	Y	2	2									18	80 CAL	100
0 -187844	N	N	0						10				70	20 GM	100
0 -187845	N	N	0								40		30	30 GYP	100
12 -187846	Y	Y	30	30									50	20 CAL	100
12 -187847	Y	Y	40	40									40	20 CAL	100
12 -187848	Y	Y	40	40									50	10 CAL	100
13 -187849	Y	N	0						50				40	10 GM	100

HALL-KIMBRELL ENVIRONMENTAL SERVICES INC.
ASBESTOS PETROGRAPHIC ANALYSIS

CLIENT: NEW YORK PORT AUTHORITY
PROJECT NO: N70277 JFK INTERNATIONAL AIRPORT BUILDING: 050

SAMPLE NUMBER	HOMO	ASB/PRES	TOTAL ASB	ASBESTOS CHRY	AMO	CRO	ANT	TRE	OTHER MATERIALS WOOL	CEL	MICA	PER	BINDER	OTHER	TOTAL
13 -187850	Y	N	0						50			10	30	10 GM	100
13 -187851	Y	N	0						50	10			40		100
14 -187852	Y	Y	50	50						10			40		100
14 -187853	Y	Y	40	40									50	10 GM	100
14 -187854	Y	Y	50	50									40	10 GM	100
0 -187855	N	Y	70	70					10				20		100
15 -187856	Y	Y	70	30	40								30		100
15 -187857	Y	Y	80	40	40				10				10		100
15 -187858	Y	Y	70	30	40				10				20		100
16 -187859	Y	Y	80	40	40								20		100
16 -187860	Y	Y	70	30	40								30		100
16 -187861	Y	Y	70	30	40								30		100
17 -187862	Y	Y	80	20	60								20		100
17 -187863	Y	Y	80	30	50								20		100
17 -187864	Y	Y	80	40	40								20		100
18 -187865	Y	Y	80	40	40								10	10 PR	100
18 -187866	Y	Y	80	30	50								20		100
18 -187867	Y	Y	80	40	40								10	10 PR	100
0 -187868	N	Y	50		50				10				40		100
19 -187869	Y	Y	40		40								60		100
19 -187870	Y	Y	70	30	40								20	10 PT	100
19 -187871	Y	Y	70	30	40								20	10 PT	100
20 -187872	N	Y	60	40	20								40		100
20 -187873	Y	Y	50	50					20				20	10 PT	100
20 -187874	Y	Y	40	40					20				30	10 PT	100
21 -187875	Y	Y	30	30					20				40	10 PT	100
21 -187876	Y	Y	40	40					30				20	10 PT	100
21 -187877	Y	Y	30	30					50				10	10 PT	100
0 -187878	N	N	0							40				60 TAR	100
22 -187881	Y	Y	5	5					50				45		100
22 -187882	Y	N	0						50				50		100
22 -187883	Y	Y	10	10					50				40		100
23 -187884	Y	Y	40	40					40				20		100
23 -187885	Y	Y	30	30					50				20		100
23 -187886	Y	Y	40	40					40				20		100
24 -187887	Y	Y	40	40					50				10		100
24 -187888	Y	Y	40	40					50				10		100
24 -187889	Y	N	0						60				40		100
0 -187890	N	Y	50	50									50		100
0 -187891	N	N	0							10		90			100
0 -187892	N	N	0						80	10				10 TAR	100
25 -187894	Y	N	0								30		50	20 GM	100
25 -187895	Y	N	0								20		60	20 GM	100
25 -187896	Y	N	0								30		50	20 GM	100
25 -187897	Y	N	0							10	30		40	20 GM	100
0 -294350	N	Y	8	8									20	58 CA TA 14	100
92 -379386	Y	Y	65	63	2								35		100
92 -379387	Y	Y	55	45	10					10			35		100
92 -379388	Y	Y	65	60	5								35		100
0 -379389	N	Y	10	10									24	66 CA TA 2	100

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
001	5 STAR	Parking-East Wing-3rd Floor					AREA AVERAGE % ASB -		0%					
	above drop ceiling on steel I-beams		187047-75	fireproofing	OMC	2550	sq.ft.		0					
			187048-75	fireproofing	OMC				0					
			187049-75	fireproofing	OMC				0					
			187050-75	fireproofing	OMC				0					
			187051-75	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
002	5 STAR	Parking-East Wing-3rd Floor-Ceiling					AREA AVERAGE % ASB -		0%					
	offices		187371-0	acoustical tile	OMG	3600	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
003	5 STAR	Parking-East Wing-3rd Floor-Floors					AREA AVERAGE % ASB -		2%					
	offices		187319-0	vinyl floor tile	OMZ	3600	sq.ft.		2	5	IV	$16,344	$12,384	$28,728
	The 1'x1' vinyl floor tiles are in good condition.								AREA TOTAL			$16,344	$12,384	$28,728
							TENANT - 5 STAR		TOTAL			$16,344	$12,384	$28,728

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 2
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
004	AER LINGUS	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 16%							
		janitor's closet-along ceiling	187693-10	mjp on non-suspect pipe cover	OMA	10	10 in. O.D.	DR	0					
			187694-10	mjp on non-suspect pipe cover	OMA				0					
			187695-10	mjp on non-suspect pipe cover	OMA				0					
		at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	30	12 in. O.D.	HWS/R	0					
		at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	60	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	35	8 in. O.D.	CWS/R	50	25	III	$2,266	$1,332	$3,598
		at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	65	6 in. O.D.	CWS/R	50	25	III	$3,383	$1,987	$5,370
			187853-14	mjp on non-suspect pipe cover	OMA				40	25	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	25	III			
		The material is in fair condition with a few areas showing localized contact and water damage.						AREA TOTAL				$5,649	$3,319	$8,968
005	AER LINGUS	East Wing-1st Floor-Ceilings					AREA AVERAGE % ASB - 9%							
		passenger ticket area	187339-86	sprayed acoustical plaster	OMD	3960	sq.ft.		10	24	III	$128,462	$37,699	$166,161
			187340-86	sprayed acoustical plaster	OMD				10	24	III			
			187341-86	sprayed acoustical plaster	OMD				5	24	III			
			187342-86	sprayed acoustical plaster	OMD				10	24	III			
			187343-86	sprayed acoustical plaster	OMD				8	24	III			
		The material is in good condition and is encapsulated with paint.						AREA TOTAL				$128,462	$37,699	$166,161
006	AER LINGUS	East Wing-1st Floor-Offices-Ceiling					AREA AVERAGE % ASB - 0%							

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050 Page 3
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	EXP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		ticket office	187324-0	acoustical tile	OMG	1050	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
007	AER LINGUS	East Wing-1st Floor-Offices-Floors							AREA AVERAGE % ASB - 2%					
		ticket agent's offices	187319-0	vinyl floor tile	OMZ	1050	sq.ft.		2	6	IV	$4,767	$3,612	$8,379
		hallway	187319-0	vinyl floor tile	OMZ	250	sq.ft.		2	6	IV	$1,135	$860	$1,995
		baggage handling office	187333-0	vinyl floor tile	OMZ	200	sq.ft.		2	6	IV	$908	$688	$1,596
		The vinyl floor tiles are adhered to a concrete floor and are in good condition.							AREA TOTAL			$6,810	$5,160	$11,970
008	AER LINGUS	East Wing-1st Floor-Above Drop Ceiling							AREA AVERAGE % ASB - 28%					
		leading to restrooms	187846-12	mjp on non-suspect pipe cover	OMA	19	4 in. O.D.	DW	30	14	IV	$718	$399	$1,117
			187847-12	mjp on non-suspect pipe cover	OMA				40	14	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	14	IV			
		leading to heaters	187849-13	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		leading to air handlers	187852-14	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	CWS/R	50	14	IV	$416	$245	$661
			187853-14	mjp on non-suspect pipe cover	OMA				40	14	IV			
			187854-14	mjp on non-suspect pipe cover	OMA				50	14	IV			
		The piping is above the drop ceiling and is in good condition. Quantities given are estimates based upon inspection.							AREA TOTAL			$1,134	$644	$1,778

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050 Page 4
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
009	AER LINGUS	East Wing-1st Floor					AREA AVERAGE % ASB -		0%					
		baggage handling area-on I-beams	187363-91	fireproofing	OMC	3285	sq.ft.		0					
		janitor's closet-on I-beams	187363-91	fireproofing	OMC	325	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
010	AER LINGUS	East Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB -		0%					
		on steel I-beams	187363-91	fireproofing	OMC	3300	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
011	AER LINGUS	East Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		maintenance shop-on I-beams	187363-91	fireproofing	OMC	1450	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
012	AER LINGUS	East Finger-1st Floor-Maintenance Area					AREA AVERAGE % ASB - 0%							
		storage & locker room-on I-beams	187363-91	fireproofing	OMC	200 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
013	AER LINGUS	East Finger-1st Floor-Maintenance Shop					AREA AVERAGE % ASB - 24%							
		at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	35 6 in. O.D.		HWS/R	0					
		at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	30 4 in. O.D.		HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	28 6 in. O.D.		CWS/R	50	25	III	$1,457	$856	$2,313

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187853-14	mjp on non-suspect pipe cover	OMA				40	25	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	25	III			
	The material is in good condition.								AREA TOTAL			$1,457	$856	$2,313
014	AER LINGUS	East Finger-1st Fl-Maint. Shop-Ceiling							AREA AVERAGE % ASB - 0%					
	operations office area		187370-0	acoustical tile	OMG	600	sq.ft.		0					
	office area throughout		187370-0	acoustical tile	OMG	400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
015	AER LINGUS	East Finger-1st Floor-Maint. Shop-Floor							AREA AVERAGE % ASB - 0%					
	storage & shop area		187323-0	vinyl floor tile	OMZ	500	sq.ft.		0					
	office area		187323-0	vinyl floor tile	OMZ	400	sq.ft.		0					
	operations office		187323-0	vinyl floor tile	OMZ	600	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
016	AER LINGUS	East Finger-1st Fl-Above Drop Ceiling							AREA AVERAGE % ASB - 0%					
	on steel I-beams		187363-91	fireproofing	OMC	850	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
017	AER LINGUS	East Wing-2nd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
	on steel I-beams		187894-25	fireproofing	OMC	1230 sq.ft.			0					
			187895-25	fireproofing	OMC				0					
			187896-25	fireproofing	OMC				0					
			187897-25	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
017A	AER LINGUS	East Wing-2nd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 34%							
	to rest rooms		187836-11	mjp on non-suspect pipe cover	OMA	19 4 in. O.D.		DW	70	14	IV	$718	$399	$1,117
			187837-11	mjp on non-suspect pipe cover	OMA				25	14	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
	to air handlers		187884-23	mjp on non-suspect pipe cover	OMA	8 6 in. O.D.		CWS/R	40	14	IV	$416	$245	$661
			187885-23	mjp on non-suspect pipe cover	OMA				30	14	IV			
			187886-23	mjp on non-suspect pipe cover	OMA				40	14	IV			
	leading to heaters		187887-24	mjp on non-suspect pipe cover	OMA	20 4 in. O.D.		HWS/R	40	14	IV	$756	$420	$1,176
			187888-24	mjp on non-suspect pipe cover	OMA				40	14	IV			
			187889-24	mjp on non-suspect pipe cover	OMA				0	14	IV			

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$1,890	$1,064	$2,954
018	AER LINGUS	East Wing-3rd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187047-75	fireproofing	OMC	1000 sq.ft.			0					
			187048-75	fireproofing	OMC				0					
			187049-75	fireproofing	OMC				0					
			187050-75	fireproofing	OMC				0					
			187051-75	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
019	AER LINGUS	East Wing-3rd Floor-Floors					AREA AVERAGE % ASB - 2%							
		hallway area	187319-0	vinyl floor tile	OMZ	280 sq.ft.			2	6	IV	$1,271	$963	$2,234
		personnel lounge	187319-0	vinyl floor tile	OMZ	400 sq.ft.			2	6	IV	$1,816	$1,376	$3,192
		storage room	187319-0	vinyl floor tile	OMZ	225 sq.ft.			2	6	IV	$1,021	$774	$1,795
		women's restroom	187333-0	vinyl floor tile	OMZ	85 sq.ft.			2	6	IV	$386	$292	$678
		men's restroom	187333-0	vinyl floor tile	OMZ	80 sq.ft.			2	6	IV	$363	$275	$638
		The vinyl floor tiles are adhered to a concrete floor structure.						AREA TOTAL				$4,857	$3,680	$8,537
020	AER LINGUS	East Wing-3rd Floor-Ceilings					AREA AVERAGE % ASB - 9%							
		patrician suite	187339-86	sprayed acoustical plaster	OMD	260 sq.ft.			10	24	III	$8,434	$2,475	$10,909
		Golden Shamrock lounge	187339-86	sprayed acoustical plaster	OMD	690 sq.ft.			10	24	III	$22,384	$6,569	$28,953

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		Tara lounge	187339-86	sprayed acoustical plaster	OMD	1240	sq.ft.		10	24	III	$40,226	$11,805	$52,031
			187340-86	sprayed acoustical plaster	OMD				10	24	III			
			187341-86	sprayed acoustical plaster	OMD				5	24	III			
			187342-86	sprayed acoustical plaster	OMD				10	24	III			
			187343-86	sprayed acoustical plaster	OMD				8	24	III			
		The material is in good condition and is encapsulated with paint.							AREA TOTAL			$71,044	$20,849	$91,893
021	AER LINGUS	East Wing-3rd Floor-Ceilings					AREA AVERAGE % ASB - 0%							
		hallways	187324-0	acoustical tile	OMG	280	sq.ft.		0					
		personnel lounge	187324-0	acoustical tile	OMG	400	sq.ft.		0					
		storage room	187324-0	acoustical tile	OMG	75	sq.ft.		0					
		offices	187324-0	acoustical tile	OMG	1125	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - AER LINGUS		TOTAL			$221,303	$73,271	$294,574

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
022	AIR FRANCE	West Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		front lobby	187088-0	drop or lay-in panel	OMG	6200	sq.ft.		0					
		offices & hallways	187088-0	drop or lay-in panel	OMG	2210	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
023	AIR FRANCE	West Wing-1st Floor-Floors					AREA AVERAGE % ASB - 2%							
		hallway in rear	187333-0	vinyl floor tile	OMZ	280	sq.ft.		2	5	IV	$1,271	$963	$2,234
		The vinyl floor tiles are in good condition. Minor contact damage exists from wear and tear on flooring.							AREA TOTAL			$1,271	$963	$2,234
024	AIR FRANCE	West Wing-1st Floor-Flooring					AREA AVERAGE % ASB - 6%							
		hallway behind counters	187008-0	vinyl floor tile	OMZ	300	sq.ft.		6	5	IV	$1,362	$1,032	$2,394
		The floor tiles are in fair to good condition with minor damage from everyday wear and tear.							AREA TOTAL			$1,362	$1,032	$2,394
025	AIR FRANCE	West Wing-1st Floor					AREA AVERAGE % ASB - 37%							
		baggage handling area at wall	187846-12	mjp on non-suspect pipe cover	OMA	16 6	in. O.D.	DW	30	23	III	$1,036	$609	$1,645
		janitor's closet at wall	187846-12	mjp on non-suspect pipe cover	OMA	4 4	in. O.D.	DW	30	23	III	$151	$84	$235
			187847-12	mjp on non-suspect pipe cover	OMA				40	23	III			
			187848-12	mjp on non-suspect pipe cover	OMA				40	23	III			

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
The mudded joint packings are in very good condition with little contact damage.									AREA TOTAL			$1,187	$693	$1,880
026	AIR FRANCE	West Wing-1st Floor-Ceilings					AREA AVERAGE % ASB -		8%					
	customs area-above counters		187085-81	sprayed acoustical plaster	OMD	1200 sq.ft.			0					
			187086-81	sprayed acoustical plaster	OMD				0					
			187087-81	sprayed acoustical plaster	OMD				0					
	south wall-over ticket counters		187089-82	sprayed acoustical plaster	OMD	2400 sq.ft.			15	35	III	$72,000	$20,520	$92,520
			187090-82	sprayed acoustical plaster	OMD				15	35	III			
			187091-82	sprayed acoustical plaster	OMD				15	35	III			
The acoustical plaster is in good condition and has been encapsulated.									AREA TOTAL			$72,000	$20,520	$92,520
027	AIR FRANCE	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB -		0%					
	on steel I-beams		187363-91	fireproofing	OMC	2375 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
028	AIR FRANCE	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
	on steel I-beams		187363-91	fireproofing	OMC	1900	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
029	AIR FRANCE	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 33%							
	leading to restrooms		187836-11	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	DW	70	13	IV	$680	$378	$1,058
			187837-11	mjp on non-suspect pipe cover	OMA				25	13	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	13	IV			
	leading to heaters		187136-36	mjp on non-suspect pipe cover	OMA	22	4 in. O.D.	HWS/R	45	13	IV	$832	$462	$1,294
			187137-36	mjp on non-suspect pipe cover	OMA				55	13	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	13	IV			
	leading to air handlers		187143-38	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	CWS/R	0	13	IV	$312	$183	$495
			187144-38	mjp on non-suspect pipe cover	OMA				45	13	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	13	IV			
	The material is above the drop ceiling and is not exposed. Quantities given are estimates based on inspection.							AREA TOTAL				$1,824	$1,023	$2,847
030	AIR FRANCE	West Finger-1st Floor					AREA AVERAGE % ASB - 16%							

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		garage area at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		garage area at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	18	6 in. O.D.	CWS/R	50	25	III	$937	$550	$1,487
		garage area at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	14	4 in. O.D.	CWS/R	50	25	III	$529	$296	$823
			187853-14	mjp on non-suspect pipe cover	OMA				40	25	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	25	III			
		parking area-at ceiling	187044-74	mjp on non-suspect pipe cover	OMA	12	10 in. O.D.	OR	0					
			187045-74	mjp on non-suspect pipe cover	OMA				0					
			187046-74	mjp on non-suspect pipe cover	OMA				0					
		The mudded joint packings are in fair to good condition with only minor contact damage visible.							AREA TOTAL			$1,466	$844	$2,310
031	AIR FRANCE	West Finger-1st Floor-Ceiling							AREA AVERAGE % ASB - 0%					
		office & storage rooms	187080-0	drop or lay-in panel	OMG	675	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
032	AIR FRANCE	West Finger-1st floor							AREA AVERAGE % ASB - 0%					
		open parking area	187363-91	fireproofing	OMC	2425	sq.ft.		0					
		storage/locker rooms-on steel I-beams	187363-91	fireproofing	OMC	1920	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
033	AIR FRANCE	West Wing-2nd Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		Le Club throughout	187053-0	acoustical tile	OMG	7000	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
034	AIR FRANCE	West Wing-2nd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187894-25	fireproofing	OMC	1950	sq.ft.		0					
			187895-25	fireproofing	OMC				0					
			187896-25	fireproofing	OMC				0					
			187897-25	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
035	AIR FRANCE	West Wing-2nd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 34%							
		leading to restrooms	187836-11	mjp on non-suspect pipe cover	OMA	16	4 in. O.D.	DW	70	13	IV	$605	$336	$941
			187837-11	mjp on non-suspect pipe cover	OMA				25	13	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	13	IV			
		leading to air handlers	187884-23	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	CWS/R	40	13	IV	$416	$245	$661
			187885-23	mjp on non-suspect pipe cover	OMA				30	13	IV			
			187886-23	mjp on non-suspect pipe cover	OMA				40	13	IV			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		leading to heaters	187887-24	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	MWS/R	40	13	IV	$680	$378	$1,058
			187888-24	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187889-24	mjp on non-suspect pipe cover	OMA				0	13	IV			
		The material above drop ceiling is in good to fair condition showing mainly age damage. Quantities given are estimates taken from inspection.							AREA TOTAL			$1,701	$959	$2,660
036	AIR FRANCE	West Wing-3rd Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		offices throughout	187088-0	drop or lay-in panel	OMG	3250	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
037	AIR FRANCE	West Wing-3rd Floor-Flooring					AREA AVERAGE % ASB -		6%					
		offices throughout	187008-0	vinyl floor tile	OMZ	3450	sq.ft.		6	5	IV	$15,663	$11,868	$27,531
		The floor tiles are in good condition showing minor wear from daily usage.							AREA TOTAL			$15,663	$11,868	$27,531
038	AIR FRANCE	West Wing-3rd Floor-Flooring					AREA AVERAGE % ASB -		2%					
		offices throughout	187333-0	vinyl floor tile	OMZ	3250	sq.ft.		2	5	IV	$14,755	$11,180	$25,935
		The floor tiles are in good condition, with localized areas of contact damage where corners are broken.							AREA TOTAL			$14,755	$11,180	$25,935

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
039	AIR FRANCE	West Wing-3rd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
	on steel i-beams		187047-75	fireproofing	OMC	2100	sq.ft.		0					
			187048-75	fireproofing	OMC				0					
			187049-75	fireproofing	OMC				0					
			187050-75	fireproofing	OMC				0					
			187051-75	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
							TENANT - AIR FRANCE		TOTAL			$111,229	$49,082	$160,311

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
040	AIR INDIA	West Wing-1st Floor-Flooring					AREA AVERAGE % ASB - 0%							
		offices throughout	187323-0	vinyl floor tile	OMZ	900	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
041	AIR INDIA	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		engineering offices throughout	187072-0	acoustical tile	OMG	1356	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
042	AIR INDIA	West Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		offices & passenger lobby	187072-0	acoustical tile	OMG	3650	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
043	AIR INDIA	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 21%							
		at ceiling	187136-36	mjp on non-suspect pipe cover	OMA	26 4	in. O.D.	HWS/R	45	25	III	$983	$546	$1,529
			187137-36	mjp on non-suspect pipe cover	OMA				55	25	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	25	III			
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	39 4	in. O.D.	CWS/R	0	25	III	$1,474	$819	$2,293
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	28 8	in. O.D.	CWS/R	0	25	III	$1,813	$1,066	$2,879
			187144-38	mjp on non-suspect pipe cover	OMA				45	25	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	25	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		at ceiling	187044-74	mjp on non-suspect pipe cover	OMA	14	10 in. O.D.	DR	0					
			187045-74	mjp on non-suspect pipe cover	OMA				0					
			187046-74	mjp on non-suspect pipe cover	OMA				0					
		The mudded joint packings are in good condition with only minor contact damage visible.							AREA TOTAL			$4,270	$2,431	$6,701
044	AIR INDIA	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187363-91	fireproofing	OMC	1175	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
045	AIR INDIA	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187363-91	fireproofing	OMC	2200	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
046	AIR INDIA	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 28%							
		leading to restrooms	187846-12	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	DW	30	13	IV	$756	$420	$1,176
			187847-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
		leading to heaters	187849-13	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		leading to air handlers	187852-14	mjp on non-suspect pipe cover	OMA	6	6 in. O.D.	CWS/R	50	13	IV	$312	$183	$495
			187853-14	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187854-14	mjp on non-suspect pipe cover	OMA				50	13	IV			
		The mudded joint packings are in good condition. Quantities given are an estimate taken from inspection and available "as builts".							AREA TOTAL			$1,068	$603	$1,671
047	AIR INDIA	West Wing-2nd Floor-Ceilings					AREA AVERAGE % ASB - 0%							
		lounges & rooms throughout	187072-0	acoustical tile	OMG	3168	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
048	AIR INDIA	West Wing-2nd Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187344-87	fireproofing	OMC	1200	sq.ft.		0					

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187345-87	fireproofing	OMC				0					
			187346-87	fireproofing	OMC				0					
			187347-87	fireproofing	OMC				0					
			187348-87	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 21
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 22
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 24
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
056	ALITALIA	West Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		offices & hallways	187082-0	drop or lay-in panel	OMG	1950	sq.ft.		0					
		passenger lobby-front perimeter	187082-0	drop or lay-in panel	OMG	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
057	ALITALIA	West Wing-1st Floor					AREA AVERAGE % ASB - 31%							
		machine room-at ceiling	187136-36	mjp on non-suspect pipe cover	OMA	52	4 in. O.D.	HWS/R	45	23	III	$1,966	$1,092	$3,058
		baggage handling room	187136-36	mjp on non-suspect pipe cover	OMA	60	4 in. O.D.	HWS/R	45	23	III	$2,268	$1,260	$3,528
			187137-36	mjp on non-suspect pipe cover	OMA				55	23	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	23	III			
		machine room at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	54	6 in. O.D.	CWS/R	0	23	III	$2,810	$1,651	$4,461
			187144-38	mjp on non-suspect pipe cover	OMA				45	23	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	23	III			
		The pipe insulation is in good condition, but slight contact damage is visible.							AREA TOTAL			$7,044	$4,003	$11,047
058	ALITALIA	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		on I-beams	187363-91	fireproofing	OMC	1625	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
059	ALITALIA	West Finger-1st Fl-Tire Storage-Office					AREA AVERAGE % ASB -		0%					
		at ceiling on structural steel I-beams	187363-91	fireproofing	OMC	1573 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
060	ALITALIA	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB -		0%					
		on steel I-beams	187363-91	fireproofing	OMC	2400 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
061	ALITALIA	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 28%							
		throughout	187846-12	mjp on non-suspect pipe cover	OMA	24	4 in. O.D.	DW	30	13	IV	$907	$504	$1,411
			187847-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	16	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	CWS/R	50	13	IV	$520	$306	$826
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	CWS/R	50	13	IV	$151	$84	$235
			187853-14	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187854-14	mjp on non-suspect pipe cover	OMA				50	13	IV			
									AREA TOTAL			$1,578	$894	$2,472

The mudded joint packings on non-suspect pipe covering is above the drop and permanent ceiling. The quantities given are estimates based on inspection and available "as builts".

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 28
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
										AREA TOTAL		$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 29
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050 Page 30
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
069	AT & T	East Wing-1st Floor-Lobby Area-Ceiling					AREA AVERAGE % ASB -		0%					
	phone center		187371-0	acoustical tile	OMG	400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - AT & T		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]							[redacted]							
		office area	[redacted]											
		The sprayed acoustical plaster is in poor condition with contact and water damage areas visible.										AREA TOTAL	[redacted]	
												TENANT - BARNEY CONST. TOTAL	[redacted]	

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 32
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 33
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]						[redacted]								
		offices												
		The sprayed plaster is applied to the ceilin floor.												

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 34
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE BD	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
073	D E A	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		offices .	187371-0	acoustical tile	OMG	1500	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - D E A		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 35
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 36
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
077	DUTY FREE	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
	on I-beams		187363-91	fireproofing	OMC	4320	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
078	DUTY FREE	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
	storage area		187849-13	mjp on non-suspect pipe cover	OMA	110	4 in. O.D.	MWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 38
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 40
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ED	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
081	DYN AIR	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		workshops & locker rooms	187077-0	drop or lay-in panel	OMG	212	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
082	DYN AIR	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		at ceiling heaters	187849-13	mjp on non-suspect pipe cover	OMA	16 4	in. O.D.	HWS/R	0					
		at ceiling heaters	187849-13	mjp on non-suspect pipe cover	OMA	14 6	in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
083	DYN AIR	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		on steel I-beams at ceiling	187363-91	fireproofing	OMC	1225	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 41
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
							TENANT - DYN AIR			TOTAL		$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
084	EL AL AIRLINES	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		offices & locker rooms	187078-0	drop or lay-in panel	OMG	1305	sq.ft.		0					
		line maintenance comp. room walls	187079-0	acoustical tile	OMG	312	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
085	EL AL AIRLINES	West Wing-1st Floor-Flooring					AREA AVERAGE % ASB -		0%					
		employee offices & hallways	187323-0	vinyl floor tile	OMZ	2975	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
086	EL AL AIRLINES	West Finger-1st Floor-Flooring					AREA AVERAGE % ASB -		0%					
		maintenance offices	187323-0	vinyl floor tile	OMZ	1100	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
087	EL AL AIRLINES	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		workshops & storerooms	187363-91	fireproofing	OMC	600	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
088	EL AL AIRLINES	West Finger-1st Flr-Storeroom/Workshop					AREA AVERAGE % ASB - 22%							
		at ceiling	187881-22	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	DW	5	25	III	$454	$252	$706
			187882-22	mjp on non-suspect pipe cover	OMA				0	25	III			
			187883-22	mjp on non-suspect pipe cover	OMA				10	25	III			
		at ceiling	187136-36	mjp on non-suspect pipe cover	OMA	14	4 in. O.D.	HWS/R	45	25	III	$529	$294	$823
			187137-36	mjp on non-suspect pipe cover	OMA				55	25	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	25	III			
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	CWS/R	0	25	III	$1,512	$840	$2,352
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	14	8 in. O.D.	CWS/R	0	25	III	$907	$533	$1,440
			187144-38	mjp on non-suspect pipe cover	OMA				45	25	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	25	III			
		The mudded joint packings are in fair to good condition. The material is located at the ceiling, thus limiting the potential for further contact damage.						AREA TOTAL				$3,402	$1,919	$5,321
089	EL AL AIRLINES	West Finger-1st Flr-Above Drop Ceiling					AREA AVERAGE % ASB - 42%							
		leading to rest rooms	187846-12	mjp on non-suspect pipe cover	OMA	24	4 in. O.D.	DW	30	13	IV	$907	$504	$1,411
			187847-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	13	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	24	4 in. O.D.	HWS/R	45	13	IV	$907	$504	$1,411
			187137-36	mjp on non-suspect pipe cover	OMA				55	13	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	13	IV			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
The material is in good condition. The quantities given are estimates based on on-site inspection.										AREA TOTAL		$1,814	$1,008	$2,822
090	EL AL AIRLINES	West Finger-1st Fl-Above Drop Ceiling							AREA AVERAGE % ASB -	0%				
		in offices on steel I-beams	187363-91	fireproofing	OMC	900	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
										AREA TOTAL		$0	$0	$0
091	EL AL AIRLINES	West Wing-1st Floor-Ceiling							AREA AVERAGE % ASB -	0%				
		employee workrooms & offices	187067-0	acoustical tile	OMG	4151	sq.ft.		0					
		behind ticket counters	187067-0	acoustical tile	OMG	200	sq.ft.		0					
		passenger lobby	187067-0	acoustical tile	OMG	9000	sq.ft.		0					
		passenger lobby middle	187068-0	drop or lay-in panel	OMG	840	sq.ft.		0					
		by counters 25 & 26	187068-0	drop or lay-in panel	OMG	640	sq.ft.		0					
										AREA TOTAL		$0	$0	$0
092	EL AL AIRLINES	West Wing-1st Floor-Baggage Handling							AREA AVERAGE % ASB -	0%				

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		on steel I-beams-throughout	187047-75	fireproofing	OMC	2723	sq.ft.		0					
			187048-75	fireproofing	OMC				0					
			187049-75	fireproofing	OMC				0					
			187050-75	fireproofing	OMC				0					
			187051-75	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
093	EL AL AIRLINES	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
		on structural steel	187057-77	fireproofing	OMC	11175	sq.ft.		0					
			187058-77	fireproofing	OMC				0					
			187059-77	fireproofing	OMC				0					
			187060-77	fireproofing	OMC				0					
			187061-77	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
094	EL AL AIRLINES	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 21%							
		at ceiling heaters	187137-36	mjp on non-suspect pipe cover	OMA	48	4 in. O.D.	MWS/R	55	25	III	$1,814	$1,008	$2,822
			187137-36	mjp on non-suspect pipe cover	OMA				55	25	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	25	III			
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	28	8 in. O.D.	CWS/R	0	25	III	$1,813	$1,066	$2,879
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	44	6 in. O.D.	CWS/R	0	25	III	$2,290	$1,345	$3,635
		at ceiling	187143-38	mjp on non-suspect pipe cover	OMA	36	4 in. O.D.	CWS/R	0	25	III	$1,361	$756	$2,117
			187144-38	mjp on non-suspect pipe cover	OMA				45	25	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	25	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		at ceiling	187044-74	mjp on non-suspect pipe cover	OMA	14	10 in. O.D.	DR	0					
			187045-74	mjp on non-suspect pipe cover	OMA				0					
			187046-74	mjp on non-suspect pipe cover	OMA				0					
		The mudded joint packings are in good condition with very minor contact damage visible in localized areas.							AREA TOTAL			$7,278	$4,175	$11,453
095	EL AL AIRLINES	West Wing-1st Floor-Above Drop Ceiling							AREA AVERAGE % ASB - 29%					
		leading to restrooms	187846-12	mjp on non-suspect pipe cover	OMA	28	4 in. O.D.	DW	30	16	IV	$1,058	$588	$1,646
			187847-12	mjp on non-suspect pipe cover	OMA				40	16	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	16	IV			
		leading to radiators	187132-35	mjp on non-suspect pipe cover	OMA	26	4 in. O.D.	MWS/R	50	16	IV	$907	$504	$1,411
			187133-35	mjp on non-suspect pipe cover	OMA				10	16	IV			
			187134-35	mjp on non-suspect pipe cover	OMA				0	16	IV			
									AREA TOTAL			$1,965	$1,092	$3,057

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050 Page 47
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 48
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 49
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21 .

Building Number: 050 Page 50
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
105	EL AL AIRLINES	West Wing-3rd Floor-Above Ceiling					AREA AVERAGE % ASB - 18%							

[redacted]

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
107	FABER	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
	office		187082-0	drop or lay-in panel	OMG	260	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
108	FABER	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
	at ceiling heater		187849-13	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
							TENANT - FABER		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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H-K Building #: 21

Building Number: 050 Page 52
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
109	HUDSON GENERAL	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
	hallway		187077-0	drop or lay-in panel	OMG	700	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
110	HUDSON GENERAL	West Finger-1st Floor-Parts Room/Shops					AREA AVERAGE % ASB -		0%					
	at ceiling		187363-91	fireproofing	OMC	2970	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 53
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
112	AEROMEXICO	East Finger-1st Floor-Floors					AREA AVERAGE % ASB - 2%							
		locker rooms	187332-0	vinyl floor tile	OMZ	283	sq.ft.		2	5	IV	$1,285	$974	$2,259
		corridors	187332-0	vinyl floor tile	OMZ	400	sq.ft.		2	5	IV	$1,816	$1,376	$3,192
		offices	187332-0	vinyl floor tile	OMZ	650	sq.ft.		2	5	IV	$2,951	$2,236	$5,187
		operations office	187332-0	vinyl floor tile	OMZ	1400	sq.ft.		2	5	IV	$6,356	$4,816	$11,172
		staff lounge	187332-0	vinyl floor tile	OMZ	225	sq.ft.		2	5	IV	$1,021	$774	$1,795
		The floor tiles show only moderate damage.							AREA TOTAL			$13,429	$10,176	$23,605
113	AEROMEXICO	East Wing & Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		office areas	187331-0	acoustical tile	OMG	650	sq.ft.		0					
		operations office	187331-0	acoustical tile	OMG	1400	sq.ft.		0					
		staff lounge	187331-0	acoustical tile	OMG	225	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - AEROMEXICO		TOTAL			$13,429	$10,176	$23,605

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
114	IBERIA/AEROMEX	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	56	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
115	IBERIA/AEROMEX	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		electrical closet	187363-91	fireproofing	OMC	80	sq.ft.		0					
		on I-beams	187363-91	fireproofing	OMC	3540	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
116	IBERIA/AEROMEX	East Finger-1st Floor-Garage					AREA AVERAGE % ASB - 0%							
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	EXP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
117	IBERIA/AEROMEX	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
		on I-beams	187363-91	fireproofing	OMC	1980	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
118	IBERIA/AEROMEX	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		lobby area	187331-0	acoustical tile	OMG	2250	sq.ft.		0					
		office corridors	187331-0	acoustical tile	OMG	380	sq.ft.		0					
		locker rooms	187331-0	acoustical tile	OMG	283	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
119	IBERIA/AEROMEX	East Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 33%							
		leading to restrooms	187836-11	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	DW	70	14	IV	$945	$525	$1,470
			187837-11	mjp on non-suspect pipe cover	OMA				25	14	IV			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187838-11	mjp on non-suspect pipe cover	OMA				20	14	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	23	4 in. O.D.	HWS/R	45	14	IV	$869	$483	$1,352
			187137-36	mjp on non-suspect pipe cover	OMA				55	14	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	14	IV			
		leading to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	8	6 in. O.D.	CWS/R	0	14	IV	$616	$245	$661
			187144-38	mjp on non-suspect pipe cover	OMA				45	14	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	14	IV			
									AREA TOTAL			$2,230	$1,253	$3,483

The pipes are above the drop ceiling and are unexposed. The quantities given are based on estimates taken upon inspection. The material is in fair to good condition with most of the deterioration due to age and water damage.

120 IBERIA/AEROMEX East Finger-1st Floor-Above Ceiling — AREA AVERAGE % ASB - 24%

		leading to heaters	187849-13	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		leading to air handlers	187852-14	mjp on non-suspect pipe cover	OMA	7	6 in. O.D.	CWS/R	50	14	IV	$364	$214	$578
			187853-14	mjp on non-suspect pipe cover	OMA				40	14	IV			
			187854-14	mjp on non-suspect pipe cover	OMA				50	14	IV			
									AREA TOTAL			$364	$214	$578

121 IBERIA/AEROMEX East Wing-1st Floor-Above Drop Ceiling — AREA AVERAGE % ASB - 0%

		on steel I-beams	187363-91	fireproofing	OMC	3975	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187366-91	fireproofing	ONC				0					
			187367-91	fireproofing	ONC				0					
			187368-91	fireproofing	ONC				0					
			187369-91	fireproofing	ONC				0					
									AREA TOTAL			$0	$0	$0
122	IBERIA/AEROMEX	East Finger-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187363-91	fireproofing	ONC	1145 sq.ft.			0					
			187364-91	fireproofing	ONC				0					
			187365-91	fireproofing	ONC				0					
			187366-91	fireproofing	ONC				0					
			187367-91	fireproofing	ONC				0					
			187368-91	fireproofing	ONC				0					
			187369-91	fireproofing	ONC				0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 58
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 59
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 60
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
[redacted]														
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
131	IBERIA	East Wing & Finger-1st Floor-Ceilings					AREA AVERAGE % ASB - 0%							
		ticket agent's office	187331-0	acoustical tile	OMG	336	sq.ft.		0					
		baggage service room	187331-0	acoustical tile	OMG	75	sq.ft.		0					
		corridor	187331-0	acoustical tile	OMG	150	sq.ft.		0					
		storage room	187331-0	acoustical tile	OMG	300	sq.ft.		0					
		lost & found	187331-0	acoustical tile	OMG	225	sq.ft.		0					
		locker room	187331-0	acoustical tile	OMG	180	sq.ft.		0					
		duty manager's office	187331-0	acoustical tile	OMG	135	sq.ft.		0					
		operations office	187331-0	acoustical tile	OMG	1600	sq.ft.		0					
		stock room	187331-0	acoustical tile	OMG	140	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
132	IBERIA	East Wing & Finger-1st Floor-Floors					AREA AVERAGE % ASB - 0%							
		lost & found room	187323-0	vinyl floor tile	OMZ	225	sq.ft.		0					
		ticket agent's office	187323-0	vinyl floor tile	OMZ	336	sq.ft.		0					
		storage room	187323-0	vinyl floor tile	OMZ	300	sq.ft.		0					
		operations office	187323-0	vinyl floor tile	OMZ	90	sq.ft.		0					
		locker room	187323-0	vinyl floor tile	OMZ	180	sq.ft.		0					
		baggage service room	187323-0	vinyl floor tile	OMZ	75	sq.ft.		0					
		duty manager's office	187323-0	vinyl floor tile	OMZ	135	sq.ft.		0					
		corridor	187323-0	vinyl floor tile	OMZ	150	sq.ft.		0					
		stock room	187323-0	vinyl floor tile	OMZ	140	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 62
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
							TENANT - IBERIA			TOTAL		$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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N-K Building #: 21

Building Number: 050 Page 63
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 64
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
134	ICELAND/ARGENT	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 16%							
		throughout	187693-10	mjp on non-suspect pipe cover	OMA	20	8 in. O.D.	DR	0					
			187694-10	mjp on non-suspect pipe cover	OMA				0					
			187695-10	mjp on non-suspect pipe cover	OMA				0					
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	105	4 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	CWS/R	50	24	III	$1,512	$840	$2,352
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	25	6 in. O.D.	CWS/R	50	24	III	$1,301	$764	$2,065
			187853-14	mjp on non-suspect pipe cover	OMA				40	24	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	24	III			
		The material is near the ceiling running into HVAC units throughout the baggage area. The material is in fair condition with some contact damage in isolated areas.						AREA TOTAL				$2,813	$1,604	$4,417
135	ICELAND/ARGENT	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		on I-beams	187363-91	fireproofing	OMC	3250	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
136	ICELAND/ARGENT	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		operations offices	187322-0	drop or lay-in panel	OMG	2040	sq.ft.		0					
		operations offices	187325-0	drop or lay-in panel	OMG	360	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
137	ICELAND/ARGENT	East Wing-1st Floor-Operations Office					AREA AVERAGE % ASB - 0%							
		office area	187323-0	vinyl floor tile	OMZ	620	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
138	ICELAND/ARGENT	East Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 33%							
		leading to restrooms	187846-12	mjp on non-suspect pipe cover	OMA	17	4 in. O.D.	DW	30	15	IV	$643	$357	$1,000
			187847-12	mjp on non-suspect pipe cover	OMA				40	15	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	15	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	23	4 in. O.D.	HWS/R	45	15	IV	$869	$483	$1,352
			187137-36	mjp on non-suspect pipe cover	OMA				55	15	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	15	IV			
		leading to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	9	6 in. O.D.	CWS/R	0	15	IV	$468	$275	$743
			187144-38	mjp on non-suspect pipe cover	OMA				45	15	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	15	IV			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The materials represented in this area are above a drop ceiling at ceiling level. Condition is fair to good with damage being due to aging and possible water damage. The quantities given are estimates based upon inspection.							AREA TOTAL			$1,980	$1,115	$3,095
139	ICELAND/ARGENT	East Wing-1st Floor-Above Drop Ceiling							AREA AVERAGE % ASB - 0%					
		on steel I-beams	187363-91	fireproofing	OMC	2950	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 67
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 68
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 69
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 70
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
147	INT'L SHOPS	East Finger-1st Floor-Storage Area					AREA AVERAGE % ASB - 0%							
	at ceiling		187849-13	mjp on non-suspect pipe cover	OMA	40	4 in. O.D.	HWS/R	0					
	at ceiling		187849-13	mjp on non-suspect pipe cover	OMA	20	6 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
								AREA TOTAL				$0	$0	$0
148	INT'L SHOPS	East Finger-1st Floor-Storage Area					AREA AVERAGE % ASB - 0%							
	on I-beams		187363-91	fireproofing	OMC	3000	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 72
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
							TENANT - INT'L SHOPS		TOTAL			$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
150	JAL	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		throughout	187693-10	mjp on non-suspect pipe cover	OMA	3	12 in. O.D.	OR	0					
			187694-10	mjp on non-suspect pipe cover	OMA				0					
			187695-10	mjp on non-suspect pipe cover	OMA				0					
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	90	4 in. O.D.	MWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
151	JAL	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
		on I-beams	187363-91	fireproofing	OMC	2400	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
152	JAL	East Wing-1st Floor-Operations Office					AREA AVERAGE % ASB - 2%							
		offices throughout	187319-0	vinyl floor tile	OMZ	1225	sq.ft.		2	6	IV	$5,561	$4,214	$9,775

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OAM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
The material is adhered to concrete floor and is in good condition. The area serves as offices for operations.									AREA TOTAL			$5,561	$4,214	$9,775
153	JAL	East Wing-1st Floor-Operations Offices							AREA AVERAGE % ASB - 0%					
		offices throughout	187324-0	acoustical tile	OMG	1225	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
154	JAL	East Wing & Finger-1st Floor							AREA AVERAGE % ASB - 0%					
		above drop ceiling on steel I-beams	187363-91	fireproofing	OMC	2850	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 75
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$680	$378	$1,058

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 76
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
161	JAL	East Finger-1st Floor-Operations-Floor					AREA AVERAGE % ASB - 0%							
		offices	187370-0	vinyl floor tile	OMZ	400 sq.ft.			0					
								AREA TOTAL				$0	$0	$0
162	JAL	East Finger-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 33%							
		leading to restrooms & sinks	187846-12	mjp on non-suspect pipe cover	OMA	19 4 in. O.D.		DW	30	23	III	$718	$399	$1,117
			187847-12	mjp on non-suspect pipe cover	OMA				40	23	III			
			187848-12	mjp on non-suspect pipe cover	OMA				40	23	III			

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	leading to heaters		187136-36	mjp on non-suspect pipe cover	OMA	22	4 in. O.D.	HWS/R	45	23	III	$832	$462	$1,294
			187137-36	mjp on non-suspect pipe cover	OMA				55	23	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	23	III			
	leading to air handlers		187143-38	mjp on non-suspect pipe cover	OMA	9	6 in. O.D.	CWS/R	0	23	III	$468	$275	$743
			187144-38	mjp on non-suspect pipe cover	OMA				45	23	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	23	III			
	The material is above the drop ceiling and in fair to good condition with damage occuring due to water and age of pipe. The quantities are estimates based upon inspection.								AREA TOTAL			$2,018	$1,136	$3,154
							TENANT - JAL		TOTAL			$12,958	$9,288	$22,246

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
163	KLM	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 24%							
		at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	98	6 in. O.D.		0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	45	6 in. O.D.	CWS/R	50	24	III	$2,342	$1,376	$3,718
			187853-14	mjp on non-suspect pipe cover	OMA				40	24	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	24	III			
		The mudded joint packings are in good condition and have a good encapsulant coating on them.						AREA TOTAL				$2,342	$1,376	$3,718
164	KLM	East Wing-1st Floor					AREA AVERAGE % ASB - 0%							
		electrical room-on I-beams	187363-91	fireproofing	OMC	250	sq.ft.		0					
		baggage handling-on I-beams	187363-91	fireproofing	OMC	3840	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
165	KLM	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		offices	187321-0	drop or lay-in panel	OMG	985	sq.ft.		0					
		entrance	187322-0	drop or lay-in panel	OMG	3200	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		offices	187322-0	drop or lay-in panel	OMG	850	sq.ft.		0					
		restrooms	187324-0	acoustical tile	OMG	210	sq.ft.		0					
		offices	187324-0	acoustical tile	OMG	1200	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
166	KLM	East Wing-1st Floor-Floors					AREA AVERAGE % ASB - 2%							
		office areas	187319-0	vinyl floor tile	OMZ	3248	sq.ft.		2	6	IV	$14,746	$11,173	$25,919
		The vinyl floor tiles adhered to a concrete floor structure.						AREA TOTAL				$14,746	$11,173	$25,919
167	KLM	East Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 33%							
		leading to restrooms	187836-11	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	DW	70	15	IV	$680	$378	$1,058
			187837-11	mjp on non-suspect pipe cover	OMA				25	15	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	15	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	21	4 in. O.D.	HWS/R	45	15	IV	$794	$441	$1,235
			187137-36	mjp on non-suspect pipe cover	OMA				55	15	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	15	IV			
		leading to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	7	6 in. O.D.	CWS/R	0	15	IV	$364	$214	$578
			187144-38	mjp on non-suspect pipe cover	OMA				45	15	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	15	IV			
		The material is above the drop ceiling and in good condition. Damage may occur due to age of pipe or water contact. Quantities are estimates based on inspection.						AREA TOTAL				$1,838	$1,033	$2,871

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 80
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
168	KLM	East Wing & Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		above drop ceiling on steel I-beams	187363-91	fireproofing	OMC	3850	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
169	KLM	East Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB -		0%					
		on steel I-beams	187344-87	fireproofing	OMC	1625	sq.ft.		0					
			187345-87	fireproofing	OMC				0					
			187346-87	fireproofing	OMC				0					
			187347-87	fireproofing	OMC				0					
			187348-87	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 82
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 83
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 84
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSHA CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
179	KLM	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
		garage-on I-beams	187363-91	fireproofing	OHC	1600	sq.ft.		0					
		storage room-on I-beams	187363-91	fireproofing	OHC	3375	sq.ft.		0					
		mechanical storage-on I-beams	187363-91	fireproofing	OHC	270	sq.ft.		0					
			187364-91	fireproofing	OHC				0					
			187365-91	fireproofing	OHC				0					
			187366-91	fireproofing	OHC				0					
			187367-91	fireproofing	OHC				0					
			187368-91	fireproofing	OHC				0					
			187369-91	fireproofing	OHC				0					
								AREA TOTAL				$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050 Page 85
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
180	KLM	East Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		break room	187321-0	drop or lay-in panel	OMG	416	sq.ft.		0					
		technical department	187321-0	drop or lay-in panel	OMG	192	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
181	KLM	East Finger-1st Floor-Floors					AREA AVERAGE % ASB -		2%					
		break room	187319-0	vinyl floor tile	OMZ	416	sq.ft.		2	5	IV	$1,889	$1,431	$3,320
		technical department	187319-0	vinyl floor tile	OMZ	192	sq.ft.		2	5	IV	$872	$660	$1,532
		The floor tiles are in good condition.						AREA TOTAL				$2,761	$2,091	$4,852
							TENANT - KLM		TOTAL			$41,616	$29,051	$70,667

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 86
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
183	LACSA	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		office area	187331-0	acoustical tile	OMG	300	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
184	LACSA	East Wing-1st Floor-Floor					AREA AVERAGE % ASB -		2%					
		office area	187333-0	vinyl floor tile	OMZ	300	sq.ft.		2	6	IV	$1,362	$1,032	$2,394
		The material is in good condition.							AREA TOTAL			$1,362	$1,032	$2,394
							TENANT - LACSA		TOTAL			$1,362	$1,032	$2,394

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
185	LUFTHANSA	East Finger-1st Floor-Floors					AREA AVERAGE % ASB - 2%							
		corridor	187333-0	vinyl floor tile	OMZ	720	sq.ft.		2	5	IV	$3,269	$2,477	$5,746
		lounge	187333-0	vinyl floor tile	OMZ	400	sq.ft.		2	5	IV	$1,816	$1,376	$3,192
		aircraft maintenance office	187333-0	vinyl floor tile	OMZ	350	sq.ft.		2	5	IV	$1,589	$1,204	$2,793
		The vinyl floor tiles are adhered to a concrete floor and are in good condition.						AREA TOTAL				$6,674	$5,057	$11,731
186	LUFTHANSA	East Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		flight dispatch	187338-0	drop or lay-in panel	OMG	2400	sq.ft.		0					
		aircraft maintenance office	187338-0	drop or lay-in panel	OMG	350	sq.ft.		0					
		corridor	187338-0	drop or lay-in panel	OMG	720	sq.ft.		0					
		lounge	187338-0	drop or lay-in panel	OMG	400	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
187	LUFTHANSA	East Finger-1st Floor					AREA AVERAGE % ASB - 24%							
		maintenance & storage garage	187849-13	mjp on non-suspect pipe cover	OMA	130	4 in. O.D.	MWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		maintenance & storage garage	187852-14	mjp on non-suspect pipe cover	OMA	60	6 in. O.D.	CWS/R	50	27	III	$3,122	$1,834	$4,956
		maintenance & storage garage	187852-14	mjp on non-suspect pipe cover	OMA	120	8 in. O.D.	CWS/R	50	27	III	$7,770	$4,568	$12,338
			187853-14	mjp on non-suspect pipe cover	OMA				40	27	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	27	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	D&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The pipes run at ceiling level to air handling units throughout room. They are not subject to contact damage and show only slight amounts of water deterioration.							AREA TOTAL			$10,892	$6,402	$17,294
188	LUFTHANSA	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
		maintenance & storage garage on I-beams	187363-91	fireproofing	ONC	4156 sq.ft.			0					
			187364-91	fireproofing	ONC				0					
			187365-91	fireproofing	ONC				0					
			187366-91	fireproofing	ONC				0					
			187367-91	fireproofing	ONC				0					
			187368-91	fireproofing	ONC				0					
			187369-91	fireproofing	ONC				0					
									AREA TOTAL			$0	$0	$0
189	LUFTHANSA	East Finger-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187363-91	fireproofing	ONC	1230 sq.ft.			0					
			187364-91	fireproofing	ONC				0					
			187365-91	fireproofing	ONC				0					
			187366-91	fireproofing	ONC				0					
			187367-91	fireproofing	ONC				0					
			187368-91	fireproofing	ONC				0					
			187369-91	fireproofing	ONC				0					

HALL-KINBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 90
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
190	LUFTHANSA	East Wing-1st Floor-Ceiling				AREA AVERAGE % ASB - 9%								
		passenger entryway	187339-86	sprayed acoustical plaster	OMD	11880	sq.ft.		10	27	III	$385,387	$113,098	$498,485
			187340-86	sprayed acoustical plaster	OMD				10	27	III			
			187341-86	sprayed acoustical plaster	OMD				5	27	III			
			187342-86	sprayed acoustical plaster	OMD				10	27	III			
			187343-86	sprayed acoustical plaster	OMD				8	27	III			
		The sprayed acoustical plaster is in good condition and has been encapsulated.						AREA TOTAL				$385,387	$113,098	$498,485
191	LUFTHANSA	East Wing-1st Floor-Baggage Handling				AREA AVERAGE % ASB - 16%								
		throughout	187693-10	mjp on non-suspect pipe cover	OMA	27	12 in. O.D.	DR	0					
		throughout	187693-10	mjp on non-suspect pipe cover	OMA	20	8 in. O.D.	DR	0					
			187694-10	mjp on non-suspect pipe cover	OMA				0					
			187695-10	mjp on non-suspect pipe cover	OMA				0					
		throughout	187849-13	mjp on non-suspect pipe cover	OMA	95	4 in. O.D.	MWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	40	8 in. O.D.	CWS/R	50	25	III	$2,590	$1,523	$4,113
		throughout	187852-14	mjp on non-suspect pipe cover	OMA	35	10 in. O.D.	CWS/R	50	25	III	$2,948	$1,842	$4,790
			187853-14	mjp on non-suspect pipe cover	OMA				40	25	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	25	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	The material is in fair condition, with some mudded joint packings showing isolated areas of contact and water damage.								AREA TOTAL			$5,538	$3,365	$8,903
192	LUFTHANSA	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
	on I-beams		187363-91	fireproofing	OMC	5800 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
193	LUFTHANSA	East Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
	operations offices		187334-0	acoustical tile	OMG	2400 sq.ft.			0					
									AREA TOTAL			$0	$0	$0
194	LUFTHANSA	East Wing & Finger-1st Fl-Above Ceiling					AREA AVERAGE % ASB - 33%							
	leading to restrooms		187836-11	mjp on non-suspect pipe cover	OMA	24 4 in. O.D.		DW	70	14	IV	$907	$504	$1,411
			187837-11	mjp on non-suspect pipe cover	OMA				25	14	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	14	IV			

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	29	4 in. O.D.	MWS/R	45	14	IV	$1,096	$609	$1,705
			187137-36	mjp on non-suspect pipe cover	OMA				55	14	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	14	IV			
		to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	CWS/R	0	14	IV	$454	$252	$706
			187144-38	mjp on non-suspect pipe cover	OMA				45	14	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	14	IV			
		The piping runs above drop ceiling. The quantities given are estimates based upon inspection.						AREA TOTAL				$2,457	$1,365	$3,822
195	LUFTHANSA	East Wing-1st Floor-Above Drop Ceiling						AREA AVERAGE % ASB - 0%						
		on steel I-beams	187363-91	fireproofing	OMC	4750	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 93
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSHA CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 95
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 96
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
205	MARRIOTT	West Wing-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		throughout receiving	187080-0	drop or lay-in panel	OMG	1000	sq.ft.		0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 98
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSHA CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 101
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

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Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

K-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEN CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
[redacted]														
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 06/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION · LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	DEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
224	OGDEN ALLIED	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
	offices		187080-0	drop or lay-in panel	OMG	860	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
225	OGDEN ALLIED	East & West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
	break room-at ceiling		187849-13	mjp on non-suspect pipe cover	OMA	20	4 in. O.D.	MWS/R	0					
	east shop-at ceiling		187849-13	mjp on non-suspect pipe cover	OMA	24	4 in. O.D.	MWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
226	OGDEN ALLIED	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
	break room-on I-beams		187363-91	fireproofing	OMC	280	sq.ft.		0					
	baggage area-on I-beams		187363-91	fireproofing	OMC	4125	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
227	OGDEN ALLIED	East Finger-1st Floor				AREA AVERAGE % ASB - 0%								
		on I-beams throughout	187363-91	fireproofing	OMC	850	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
228	OGDEN ALLIED	East Finger-1st Floor-Above Ceiling				AREA AVERAGE % ASB - 0%								
		on steel I-beams	187363-91	fireproofing	OMC	1375	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSHA CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP	POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
230	PIA	West Wing-1st Floor-Ceiling				AREA AVERAGE % ASB - 0%									
		office area	187840-0	acoustical tile	OMG	144	sq.ft.		0						
		office copy room	187840-0	acoustical tile	OMG	144	sq.ft.		0						
									AREA TOTAL				$0	$0	$0
230A	PIA	West Wing-1st Floor-Flooring				AREA AVERAGE % ASB - 2%									
		copy room	187843-0	vinyl floor tile	OMZ	144	sq.ft.		2	12	IV		$654	$495	$1,149
		The material was in good condition.							AREA TOTAL				$654	$495	$1,149
231	PIA	West Wing-1st Floor-Walls				AREA AVERAGE % ASB - 0%									
		escalator walkway area-on sides	187844-0	hard wall/ceiling plaster	OMD	1720	sq.ft.		0						
		office area on walls	187844-0	hard wall/ceiling plaster	OMD	576	sq.ft.		0						
									AREA TOTAL				$0	$0	$0
232	PIA	West Wing-1st Floor				AREA AVERAGE % ASB - 21%									
		baggage handling room	187693-10	mjp on non-suspect pipe cover	OMA	10	8 in. O.D.	DW	0						
			187694-10	mjp on non-suspect pipe cover	OMA				0						
			187695-10	mjp on non-suspect pipe cover	OMA				0						
		stock room	187846-12	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	DW	30	20	III		$378	$210	$588
			187847-12	mjp on non-suspect pipe cover	OMA				40	20	III				

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187848-12	mjp on non-suspect pipe cover	OMA				40	20	III			
		storage room	187849-13	mjp on non-suspect pipe cover	OMA	5	8 in. O.D.	CWS/R	0					
		stock room	187849-13	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	HWS/R	0					
		stock room	187849-13	mjp on non-suspect pipe cover	OMA	10	8 in. O.D.	HWS/R	0					
		baggage handling room	187849-13	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	HWS/R	0					
		baggage handling room	187849-13	mjp on non-suspect pipe cover	OMA	10	8 in. O.D.	HWS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		stock room	187852-14	mjp on non-suspect pipe cover	OMA	10	8 in. O.D.	CWS/R	50	20	III	$648	$381	$1,029
		storage room	187852-14	mjp on non-suspect pipe cover	OMA	5	8 in. O.D.	HWS/R	50	20	III	$324	$190	$514
			187853-14	mjp on non-suspect pipe cover	OMA				40	20	III			
			187854-14	mjp on non-suspect pipe cover	OMA				50	20	III			
								AREA TOTAL				$1,350	$781	$2,131

The mudded joint packings were observed to be in good condition with no significant damage visible. According to renovation plans, all or most of the pipes in this area are to be removed.

233 PIA West Wing-1st Floor

AREA AVERAGE % ASB - 0%

	stock room-on I-beams	187845-0	fireproofing	OMC	75 sq.ft.	0
	baggage handling room-on I-beams	187363-91	fireproofing	OMC	1430 sq.ft.	0
		187364-91	fireproofing	OMC		0
		187365-91	fireproofing	OMC		0
		187366-91	fireproofing	OMC		0
		187367-91	fireproofing	OMC		0
		187368-91	fireproofing	OMC		0
		187369-91	fireproofing	OMC		0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
234	PIA	West Wing-1st Floor-Above Drop Ceiling				AREA AVERAGE % ASB - 28%								
		leading to restroom	187846-12	mjp on non-suspect pipe cover	OMA	18	4 in. O.D.	CMS/R	30	12	IV	$680	$378	$1,058
			187847-12	mjp on non-suspect pipe cover	OMA				40	12	IV			
			187848-12.	mjp on non-suspect pipe cover	OMA				40	12	IV			
		leading to heating units	187849-13	mjp on non-suspect pipe cover	OMA	25	4 in. O.D.	MMS/R	0					
		leading to heating units	187849-13	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	MMS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
		leading to air handling units	187852-14	mjp on non-suspect pipe cover	OMA	22	6 in. O.D.	CMS/R	50	12	IV	$1,145	$673	$1,818
			187853-14	mjp on non-suspect pipe cover	OMA				40	12	IV			
			187854-14	mjp on non-suspect pipe cover	OMA				50	12	IV			
		The drop ceiling is a metal panel type of suspended ceiling. The entire ceiling in this area is to be removed according to renovation plans. The quantities were obtained by inspection.						AREA TOTAL				$1,825	$1,051	$2,876
235	PIA	West Wing-1st Floor-Above Drop Ceiling				AREA AVERAGE % ASB - 0%								
		on steel I-beams	187363-91	fireproofing	OMC	2850	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

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Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

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Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

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JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

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Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 124
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 125
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

K-K Building #: 21

Building Number: 050

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Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
260	PORT AUTHORITY	Center Section-1st Floor-UR#1					AREA AVERAGE % ASB - 0%							
		on I-beams	187047-75	fireproofing	OMC	3680	sq.ft.		0					
			187048-75	fireproofing	OMC				0					
			187049-75	fireproofing	OMC				0					
			187050-75	fireproofing	OMC				0					
			187051-75	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
261	PORT AUTHORITY	Center Section-1st floor-UR#1					AREA AVERAGE % ASB - 32%							
		domestic convertor tank #1	187101-26	boiler/tank insulation	OMB	151	sq.ft.		15	24	III	$7,221	$5,783	$13,004
			187102-26	boiler/tank insulation	OMB				25	24	III			
			187103-26	boiler/tank insulation	OMB				35	24	III			
		domestic convertor tank #2	187104-27	boiler/tank insulation	OMB	151	sq.ft.		40	24	III	$7,221	$5,783	$13,004
			187105-27	boiler/tank insulation	OMB				10	24	III			
			187106-27	boiler/tank insulation	OMB				50	24	III			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		steam heat exchanger tank	187125-33	boiler/tank insulation	OMB	109	sq.ft.		70	24	III	$5,212	$4,175	$9,387
			187126-33	boiler/tank insulation	OMB				40	24	III			
			187127-33	boiler/tank insulation	OMB				55	24	III			
		breecher stack-northeast corner of room	187140-37	breecher/exhaust stack packing	OMB	125	sq.ft.		0					
			187141-37	breecher/exhaust stack packing	OMB				0					
			187142-37	breecher/exhaust stack packing	OMB				0					
		HWS/R convertor tank #1	187146-39	boiler/tank insulation	OMB	70	sq.ft.		25	24	III	$3,347	$2,681	$6,028
			187147-39	boiler/tank insulation	OMB				40	24	III			
			187148-39	boiler/tank insulation	OMB				30	24	III			
		HWS/R convertor tank #2	187149-40	boiler/tank insulation	OMB	70	sq.ft.		40	24	III	$3,347	$2,681	$6,028
			187150-40	boiler/tank insulation	OMB				45	24	III			
			187151-40	boiler/tank insulation	OMB				35	24	III			
		HWS/R convertor tank #3	187152-41	boiler/tank insulation	OMB	70	sq.ft.		35	24	III	$3,347	$2,681	$6,028
			187153-41	boiler/tank insulation	OMB				55	24	III			
			187154-41	boiler/tank insulation	OMB				30	24	III			
									AREA TOTAL			$29,695	$23,784	$53,479

These two domestic convertor tanks are in a room in the southeast corner of UR#1. They show signs of damage, but have been recently encapsulated with paint and are very hard to penetrate. The high temperature heat exchanger tanks are encapsulated with a metal jacket. The breecher stack is encapsulated with a metal jacket.

262 PORT AUTHORITY Center Section-1st Floor-UR#1 AREA AVERAGE % ASB - 45%

	southwest corner of room	187155-0	debris	OMF	8	sq.ft.		50	96	I	$100	$0	$100
	boiler tank	187122-32	boiler/tank insulation	OMB	44	sq.ft.		25	96	I	$2,104	$1,685	$3,789
		187123-32	boiler/tank insulation	OMB				40	96	I			
		187124-32	boiler/tank insulation	OMB				50	96	I			
	southwest corner of room	187136-36	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	HWS/R	45	96	I	$208	$122	$330
		187137-36	mjp on non-suspect pipe cover	OMA				55	96	I			
		187138-36	mjp on non-suspect pipe cover	OMA				40	96	I			

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	D&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The material in this area is in poor condition with a need for repair apparent. Boiler tank insulation is partially gone due to deterioration, as are the mudded packings listed in this area.							AREA TOTAL			$2,412	$1,807	$4,219
262A	PORT AUTHORITY	URS1-Sound Monitor Room					AREA AVERAGE % ASB - 15%							
		northeast corner	187143-38	mjp on non-suspect pipe cover	OMA	4	4 in. O.D.	C/S/R	0	90	I	$151	$84	$235
		northeast corner	187143-38	debris	OMF	2	sq.ft.		0	90	I	$100	$0	$100
		northeast corner	187143-38	mjp on non-suspect pipe cover	OMA	4	6 in. O.D.	C/S/R	0	90	I	$208	$122	$330
			187144-38	mjp on non-suspect pipe cover	OMA				45	90	I			
			187144-38	debris	OMF				45	90	I			
			187145-38	mjp on non-suspect pipe cover	OMA				0	90	I			
			187145-38	debris	OMF				0	90	I			
		The materials are in poor condition, with major contact damage. The materials are approximately 9' from the floor. At a minimum, it is recommended that the materials be removed. If removal is planned, localized gross removal procedures are recommended.							AREA TOTAL			$459	$206	$665
262B	PORT AUTHORITY	URS1-Sound Monitor Room-Flooring					AREA AVERAGE % ASB - 9%							
		beneath tile	294350-0	mastic	OMZ	200	sq.ft.		8	8	IV	$1,926	$412	$2,338
		throughout area	379389-0	vinyl floor tile	OMZ	200	sq.ft.		10	8	IV	$908	$688	$1,596
		The material is in fair condition, with minor contact and water damage. At a minimum, it is recommended that the material be repaired. If removal is planned, extensive gross removal procedures are recommended.							AREA TOTAL			$2,834	$1,100	$3,934

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
263	PORT AUTHORITY	Center Section-1st Floor-UR#2					AREA AVERAGE % ASB - 33%							
		throughout	187107-0	wrapped cardboard/paper pipe	OMA	125	ft. 6 in. O.D.	DW	2	39	III	$2,182	$1,365	$3,567
		throughout	187107-0	wrapped cardboard/paper pipe	OMA	235	ft. 4 in. O.D.	DW	2	39	III	$2,820	$1,765	$4,585
		throughout	187111-0	corrugated pipe covering	OMA	148	ft. 6 in. O.D.	DW	70	39	III	$2,584	$1,616	$4,200
		throughout	187111-0	corrugated pipe covering	OMA	325	ft. 4 in. O.D.	DW	70	39	III	$3,900	$2,441	$6,341
		throughout	187121-0	corrugated pipe covering	OMA	38	ft. 14 in. O.D.	DR	20	39	III	$1,286	$1,017	$2,303
		near boiler tank	187128-0	pipe covering	OMA	210	ft. 6 in. O.D.	LPS	25	39	III	$3,667	$2,293	$5,960
		near boiler tank	187128-0	pipe covering	OMA	100	ft. 8 in. O.D.	LPS	25	39	III	$1,904	$1,360	$3,264
		near convertor tanks	187135-0	pipe covering	OMA	285	ft. 8 in. O.D.	NTMWS	40	39	III	$5,426	$3,876	$9,302
		near convertor tanks	187135-0	pipe covering	OMA	170	ft. 4 in. O.D.	NTMWS	40	39	III	$2,040	$1,277	$3,317
		throughout	187108-28	mjp on wrapped cardboard/paper	OMA	38	6 in. O.D.	DW	60	39	III	$1,978	$1,162	$3,140
		throughout	187108-28	mjp on wrapped cardboard/paper	OMA	62	4 in. O.D.	DW	60	39	III	$2,344	$1,302	$3,646
			187109-28	mjp on wrapped cardboard/paper	OMA				40	39	III			
			187110-28	mjp on wrapped cardboard/paper	OMA				30	39	III			
		throughout	187112-29	mjp on corrugate pipe covering	OMA	49	6 in. O.D.	DW	55	39	III	$2,550	$1,498	$4,048
		throughout	187112-29	mjp on corrugate pipe covering	OMA	75	4 in. O.D.	DW	55	39	III	$2,835	$1,575	$4,410
			187113-29	mjp on corrugate pipe covering	OMA				50	39	III			
			187114-29	mjp on corrugate pipe covering	OMA				50	39	III			
		near boiler tank	187115-30	mjp on non-suspect pipe cover	OMA	35	4 in. O.D.	LPS	60	39	III	$1,323	$735	$2,058
		near boiler tank	187115-30	mjp on non-suspect pipe cover	OMA	50	6 in. O.D.	LPS	60	39	III	$2,602	$1,528	$4,130
			187116-30	mjp on non-suspect pipe cover	OMA				15	39	III			
			187117-30	mjp on non-suspect pipe cover	OMA				40	39	III			
		throughout	187118-31	mjp on corrugate pipe covering	OMA	12	14 in. O.D.	DR	10	39	III	$1,399	$899	$2,298
			187119-31	mjp on corrugate pipe covering	OMA				35	39	III			
			187120-31	mjp on corrugate pipe covering	OMA				20	39	III			
		near boiler tank	187129-34	mjp on pipe covering	OMA	70	6 in. O.D.	LPS	50	39	III	$3,643	$2,140	$5,783
		near boiler tank	187129-34	mjp on pipe covering	OMA	78	8 in. O.D.	LPS	50	39	III	$5,051	$2,969	$8,020
			187130-34	mjp on pipe covering	OMA				25	39	III			
			187131-34	mjp on pipe covering	OMA				30	39	III			

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	near convertor tanks		187132-35	mjp on pipe covering	OMA	115	8 in. O.D.	HTHWS	50	39	III	$7,446	$4,378	$11,824
	near convertor tanks		187132-35	mjp on pipe covering	OMA	61	12 in. O.D.	HTHWS	50	39	III	$6,226	$3,891	$10,117
			187133-35	mjp on pipe covering	OMA				10	39	III			
			187134-35	mjp on pipe covering	OMA				0	39	III			
	throughout		187136-36	mjp on non-suspect pipe cover	OMA	310	4 in. O.D.	HWS/R	45	39	III	$11,718	$6,510	$18,228
	throughout		187136-36	mjp on non-suspect pipe cover	OMA	285	6 in. O.D.	HWS/R	45	39	III	$14,831	$8,712	$23,543
	throughout		187136-36	mjp on non-suspect pipe cover	OMA	315	8 in. O.D.	HWS/R	45	39	III	$20,396	$11,992	$32,388
	throughout		187136-36	mjp on non-suspect pipe cover	OMA	185	12 in. O.D.	HWS/R	45	39	III	$18,883	$11,801	$30,684
			187137-36	mjp on non-suspect pipe cover	OMA				55	39	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	39	III			
	throughout		187143-38	mjp on non-suspect pipe cover	OMA	115	6 in. O.D.	CWS/R	0	39	III	$5,985	$3,516	$9,501
	throughout		187143-38	mjp on non-suspect pipe cover	OMA	380	8 in. O.D.	CWS/R	0	39	III	$24,605	$14,467	$39,072
	throughout		187143-38	mjp on non-suspect pipe cover	OMA	280	10 in. O.D.	CWS/R	0	39	III	$23,582	$14,739	$38,321
			187144-38	mjp on non-suspect pipe cover	OMA				45	39	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	39	III			
									AREA TOTAL			$183,206	$110,824	$294,030

The HVAC piping in this room runs from the area around the convertor tanks to large air handling units throughout the room. Many of the pipes are at or near the ceiling. There are localized areas of contact and water damage throughout the room.

264 PORT AUTHORITY Center Section-1st Floor-UR#2 AREA AVERAGE % ASB - 0%

on I-beams	187047-75	fireproofing	OMC	3680 sq.ft.	0
	187048-75	fireproofing	OMC		0
	187049-75	fireproofing	OMC		0
	187050-75	fireproofing	OMC		0
	187051-75	fireproofing	OMC		0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
265	PORT AUTHORITY	Center Section-1st Floor-UR#2					AREA AVERAGE % ASB - 33%							
		breecher stack	187140-37	breecher/exhaust stack packing	OKB	125	sq.ft.		0					
			187141-37	breecher/exhaust stack packing	OKB				0					
			187142-37	breecher/exhaust stack packing	OKB				0					
		domestic convertor tank #1	187156-42	boiler/tank insulation	OKB	151	sq.ft.		55	38	III	$7,221	$5,783	$13,004
			187157-42	boiler/tank insulation	OKB				20	38	III			
			187158-42	boiler/tank insulation	OKB				30	38	III			
		domestic convertor tank #2	187159-43	boiler/tank insulation	OKB	151	sq.ft.		30	38	III	$7,221	$5,783	$13,004
			187160-43	boiler/tank insulation	OKB				25	38	III			
			187161-43	boiler/tank insulation	OKB				40	38	III			
		boiler tank	187162-44	boiler/tank insulation	OKB	99	sq.ft.		80	38	III	$4,734	$3,792	$8,526
			187163-44	boiler/tank insulation	OKB				65	38	III			
			187164-44	boiler/tank insulation	OKB				60	38	III			
		HWS/R convertor tank #1	187165-45	boiler/tank insulation	OKB	70	sq.ft.		45	38	III	$3,347	$2,681	$6,028
			187166-45	boiler/tank insulation	OKB				40	38	III			
			187167-45	boiler/tank insulation	OKB				50	38	III			
		HWS/R convertor tank #2	187168-46	boiler/tank insulation	OKB	70	sq.ft.		25	38	III	$3,347	$2,681	$6,028
			187169-46	boiler/tank insulation	OKB				10	38	III			
			187170-46	boiler/tank insulation	OKB				20	38	III			
		HWS/R convertor tank #3	187171-47	boiler/tank insulation	OKB	70	sq.ft.		20	38	III	$3,347	$2,681	$6,028
			187172-47	boiler/tank insulation	OKB				30	38	III			
			187173-47	boiler/tank insulation	OKB				50	38	III			

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
	Domestic convertor tanks are encapsulated with a heavy coat of paint, as is the boiler tank, but both have a few isolated areas of contact damage in a very small area. The three convertor tanks are encapsulated with a metal jacket and were observed to be in good condition.								AREA TOTAL			$29,217	$23,401	$52,618
266	PORT AUTHORITY	East Wing-1st Floor-Janitor's Closet					AREA AVERAGE % ASB - 42%							
		above wash basin	187107-0	wrapped cardboard/paper pipe	OHA		4 ft. 4 in. O.D.	DCW	2	45	II	$48	$30	$78
		above wash basin	187111-0	corrugated pipe covering	OHA		4 ft. 4 in. O.D.	DHW	70	45	II	$48	$30	$78
		above wash basin	187108-28	mjp on wrapped cardboard/paper	OHA		2 4 in. O.D.	DCW	60	45	II	$76	$42	$118
			187109-28	mjp on wrapped cardboard/paper	OHA				40	45	II			
			187110-28	mjp on wrapped cardboard/paper	OHA				30	45	II			
		above wash basin	187112-29	mjp on corrugate pipe covering	OHA		1 4 in. O.D.	DHW	55	45	II	$38	$21	$59
			187113-29	mjp on corrugate pipe covering	OHA				50	45	II			
			187114-29	mjp on corrugate pipe covering	OHA				50	45	II			
	A large hole had been knocked in the wall above a wash basin in this closet and corrugated cardboard and wrapped cardboard were exposed.								AREA TOTAL			$210	$123	$333
267	PORT AUTHORITY	East Finger-1st Floor					AREA AVERAGE % ASB - 37%							
		storage garage	187846-12	mjp on non-suspect pipe cover	OHA		40 4 in. O.D.	DW	30	27	III	$1,512	$840	$2,352
			187847-12	mjp on non-suspect pipe cover	OHA				40	27	III			
			187848-12	mjp on non-suspect pipe cover	OHA				40	27	III			
	The material is in fair condition.								AREA TOTAL			$1,512	$840	$2,352

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
268	PORT AUTHORITY	West Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		paint shop-on structural steel I-beams	187363-91	fireproofing	OMC	600	sq.ft.			0				
		immigration corridor-on steel I-beams	187363-91	fireproofing	OMC	400	sq.ft.			0				
			187364-91	fireproofing	OMC					0				
			187365-91	fireproofing	OMC					0				
			187366-91	fireproofing	OMC					0				
			187367-91	fireproofing	OMC					0				
			187368-91	fireproofing	OMC					0				
			187369-91	fireproofing	OMC					0				
										AREA TOTAL		$0	$0	$0
269	PORT AUTHORITY	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		south immigration corridor-throughout	187371-0	acoustical tile	OMG	4600	sq.ft.			0				
										AREA TOTAL		$0	$0	$0
270	PORT AUTHORITY	East Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
		maintenance shop	187007-0	drop or lay-in panel	OMG	2800	sq.ft.			0				
										AREA TOTAL		$0	$0	$0
271	PORT AUTHORITY	East Finger-1st Floor-Maintenance Shop					AREA AVERAGE % ASB -		0%					

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Building Type: TERMINAL
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Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		throughout	187323-0	vinyl floor tile	OMZ	2800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
272	PORT AUTHORITY	East Finger-1st Floor					AREA AVERAGE % ASB - 0%							
		electrical closet	187363-91	fireproofing	OMC	100	sq.ft.		0					
		storage garage	187363-91	fireproofing	OMC	160	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP PCT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0

[redacted]

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Constructed: 1957

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The material is a rubber-like insulation applied to pipe on what appears to be an old air-conditioner control system.							AREA TOTAL			$4	$3	$7

[redacted]

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		The material in this area shows signs of contact and water damage, with the more traveled areas having more severe damage. This material is also subject to air erosion and building vibration.												
												AREA TOTAL	1,442,282	$423,259	1,865,541

[redacted]

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Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

[redacted]

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Constructed: 1957
Inspected: 04/29/88
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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

[redacted]

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Constructed: 1957

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

[redacted]

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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Constructed: 1957

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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[redacted]														

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]			[redacted]				[redacted]							
[redacted]														
3 [redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OBM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
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JFK AIRPORT
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Inspector: Bryant/Gideon

AREA #	TENANT LOCATION	AREA DESCRIPTION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

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JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OEM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

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JFK AIRPORT
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Constructed: 1957
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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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Constructed: 1957
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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

N-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
340	SAS	West Wing-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 0%							
		permanent/drop ceilings-on steel I-beams	187363-91	fireproofing	OMC	1280	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
341	SAS	West Wing-1st Floor-Above Ceilings					AREA AVERAGE % ASB - 39%							
		leading to restrooms	187836-11	mjp on non-suspect pipe cover	OMA	14	4 in. O.D.	DW	70	15	IV	$529	$294	$823
			187837-11	mjp on non-suspect pipe cover	OMA				25	15	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	15	IV			
		leading to air handlers	187875-21	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	CWS/R	30	15	IV	$520	$306	$826
			187876-21	mjp on non-suspect pipe cover	OMA				40	15	IV			
			187877-21	mjp on non-suspect pipe cover	OMA				30	15	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	26	4 in. O.D.	NWS/R	45	15	IV	$983	$546	$1,529
			187137-36	mjp on non-suspect pipe cover	OMA				55	15	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	15	IV			
								AREA TOTAL				$2,032	$1,146	$3,178

The mudded joint packings on non-suspect insulation are above the drop ceiling. The quantities given are estimates taken from the inspection.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
342	SAS	West Wing-1st Floor					AREA AVERAGE % ASB - 21%							
		baggage handling area	187686-0	corrugated pipe covering	OMA	75	ft. 6 in. O.D.	MWS/R	20	24	III	$1,309	$819	$2,128
		back offices-at ceiling & west wall	187686-0	corrugated pipe covering	OMA	70	ft. 4 in. O.D.	MWS/R	20	24	III	$840	$526	$1,366
		air handling room-by air handlers	187136-36	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	MWS/R	45	24	III	$454	$252	$706
			187137-36	mjp on non-suspect pipe cover	OMA				55	24	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	24	III			
		air handling room-by air handlers	187143-38	mjp on non-suspect pipe cover	OMA	24	4 in. O.D.	CWS/R	0	24	III	$907	$504	$1,411
		air handling room-by air handlers	187143-38	mjp on non-suspect pipe cover	OMA	14	8 in. O.D.	CWS/R	0	24	III	$907	$533	$1,440
			187144-38	mjp on non-suspect pipe cover	OMA				45	24	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	24	III			
		back offices-at ceiling	187044-74	mjp on non-suspect pipe cover	OMA	8	8 in. O.D.	DR	0					
			187045-74	mjp on non-suspect pipe cover	OMA				0					
			187046-74	mjp on non-suspect pipe cover	OMA				0					
		baggage handling area	187687-8	mjp on corrugate pipe covering	OMA	16	4 in. O.D.	MWS/R	20	24	III	$605	$336	$941
		back offices-at ceiling & west wall	187687-8	mjp on corrugate pipe covering	OMA	8	4 in. O.D.	MWS/R	20	24	III	$302	$168	$470
		baggage handling area	187687-8	mjp on corrugate pipe covering	OMA	34	8 in. O.D.	MWS/R	20	24	III	$2,202	$1,294	$3,496
			187688-8	mjp on corrugate pipe covering	OMA				40	24	III			
			187689-8	mjp on corrugate pipe covering	OMA				15	24	III			
								AREA TOTAL				$7,526	$4,432	$11,958

The area had been renovated in 1984, but apparently pipe insulation was left alone. The material is in good condition overall.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
343	SAS	West Wing-1st Floor					AREA AVERAGE % ASB - 0%							
		air handling room-on steel I-beams	187363-91	fireproofing	OMC	650	sq.ft.		0					
		baggage handling room-on steel I-beams	187363-91	fireproofing	OMC	6925	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EMP POT	EMP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
344	SAS	West Finger-1st Floor					AREA AVERAGE % ASB - 51%							
		above break room-at ceiling	187111-0	corrugated pipe covering	OMA	60 ft. 4 in. O.D.		DW	70	36	III	$720	$451	$1,171
		garage-at ceiling	187875-21	mjp on non-suspect pipe cover	OMA	18 4 in. O.D.		CWS/R	30	36	III	$680	$378	$1,058
			187876-21	mjp on non-suspect pipe cover	OMA				40	36	III			
			187877-21	mjp on non-suspect pipe cover	OMA				30	36	III			
		above break room-at ceiling	187112-29	mjp on corrugate pipe covering	OMA	12 4 in. O.D.		DW	55	36	III	$454	$252	$706
			187113-29	mjp on corrugate pipe covering	OMA				50	36	III			
			187114-29	mjp on corrugate pipe covering	OMA				50	36	III			
		parts storage-at ceiling	187136-36	mjp on non-suspect pipe cover	OMA	8 4 in. O.D.		HWS/R	45	36	III	$302	$168	$470
			187137-36	mjp on non-suspect pipe cover	OMA				55	36	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	36	III			
		The mudded joint packings are in good overall condition with only minor contact damage. Some corrugated pipe covering is found along with fiberglass.						AREA TOTAL				$2,156	$1,249	$3,405
345	SAS	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		line maintenance offices-throughout	187068-0	drop or lay-in panel	OMG	850 sq.ft.			0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EMP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
346	SAS	West Finger-1st Floor					AREA AVERAGE % ASB - 0%							
		line maintenance offices-throughout	187363-91	fireproofing	OMC	1000 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
347	SAS	West Finger-1st Floor-Flooring					AREA AVERAGE % ASB - 6%							
		locker room	187008-0	vinyl floor tile	OMZ	220 sq.ft.			6	7	IV	$999	$757	$1,756
		The floor tiles are in fair condition with localized contact damage visible.						AREA TOTAL				$999	$757	$1,756

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
351	SERVAIR	East Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		garage-at ceiling	187693-10	mjp on non-suspect pipe cover	OMA	6	12 in. O.D.	DR	0					
			187694-10	mjp on non-suspect pipe cover	OMA				0					
			187695-10	mjp on non-suspect pipe cover	OMA				0					
		storage room-throughout	187849-13	mjp on non-suspect pipe cover	OMA	15	4 in. O.D.	MMS/R	0					
		locker room-throughout	187849-13	mjp on non-suspect pipe cover	OMA	15	4 in. O.D.	MMS/R	0					
			187850-13	mjp on non-suspect pipe cover	OMA				0					
			187851-13	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$0	$0	$0
352	SERVAIR	East Finger-1st Floor-Floor					AREA AVERAGE % ASB -		0%					
		office	187370-0	vinyl floor tile	OMZ	400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
353	SERVAIR	East Finger-1st Floor					AREA AVERAGE % ASB -		0%					
		garage area-on I-beams	187363-91	fireproofing	OMC	2100	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					

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H-K Building #: 21

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AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
									AREA TOTAL			$0	$0	$0
354	SERVAIR	East Finger-1st Floor-Ceilings					AREA AVERAGE % ASB -		0%					
	office area		187009-0	drop or lay-in panel	OMG	400	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
							TENANT - SERVAIR		TOTAL			$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

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AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
356	SWISS AIR	West Finger-1st Floor					AREA AVERAGE % ASB - 21%							
		offices & storage rms-technical service	187136-36	mjp on non-suspect pipe cover	OMA	22	4 in. O.D.	MWS/R	45	23	III	$852	$462	$1,294
			187137-36	mjp on non-suspect pipe cover	OMA				55	23	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	23	III			
		offices & storage rms-technical service	187143-38	mjp on non-suspect pipe cover	OMA	48	6 in. O.D.	CWS/R	0	23	III	$2,498	$1,467	$3,965
			187144-38	mjp on non-suspect pipe cover	OMA				45	23	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	23	III			
		offices & storage rms-technical service	187044-74	mjp on non-suspect pipe cover	OMA	4	10 in. O.D.	DR	0					
			187045-74	mjp on non-suspect pipe cover	OMA				0					
			187046-74	mjp on non-suspect pipe cover	OMA				0					
									AREA TOTAL			$3,330	$1,929	$5,259

The mudded joint packings are in good overall condition. They are located at ceiling level so the potential for further contact damage is limited.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
357	SWISS AIR	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		on structural steel I-beams	187363-91	fireproofing	OMC	1215	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
358	SWISS AIR	West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		offices	187080-0	drop or lay-in panel	OMG	800	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
359	SWISS AIR	West Wing-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		front passenger lobby-perimeter	187072-0	acoustical tile	OMG	220	sq.ft.		0					
		front passenger lobby	187080-0	drop or lay-in panel	OMG	1925	sq.ft.		0					
		back offices-throughout	187081-0	drop or lay-in panel	OMG	1550	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
360	SWISS AIR	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 31%							
		throughout	187136-36	mjp on non-suspect pipe cover	OMA	76	4 in. O.D.	HWS/R	45	23	III	$2,873	$1,596	$4,469
			187137-36	mjp on non-suspect pipe cover	OMA				55	23	III			
			187138-36	mjp on non-suspect pipe cover	OMA				40	23	III			
		throughout	187143-38	mjp on non-suspect pipe cover	OMA	18	6 in. O.D.	CWS/R	0	23	III	$937	$550	$1,487
			187144-38	mjp on non-suspect pipe cover	OMA				45	23	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	23	III			
		The mudded joint packings are in good condition. The machinery may cause contact damage to material. Noise from jets and machinery may cause loosening of material.							AREA TOTAL			$3,810	$2,146	$5,956

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
361	SWISS AIR	West Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 0%							
	on steel I-beams		187363-91	fireproofing	OMC	1320	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
362	SWISS AIR	West Wing-1st Floor-Above Drop Ceiling					AREA AVERAGE % ASB - 0%							
	on steel I-beams		187363-91	fireproofing	OMC	1925	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0
363	SWISS AIR	West Wing-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 33%							
	leading to restrooms		187836-11	mjp on non-suspect pipe cover	OMA	14 4	in. O.D.	DW	70	11	IV	$529	$294	$823
			187837-11	mjp on non-suspect pipe cover	OMA				25	11	IV			

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
			187838-11	mjp on non-suspect pipe cover	OMA				20	11	IV			
		leading to heaters	187136-36	mjp on non-suspect pipe cover	OMA	28	4 in. O.D.	HWS/R	45	11	IV	$1,058	$588	$1,646
			187137-36	mjp on non-suspect pipe cover	OMA				55	11	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	11	IV			
		leading to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	10	6 in. O.D.	CWS/R	0	11	IV	$520	$306	$826
			187144-38	mjp on non-suspect pipe cover	OMA				45	11	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	11	IV			
									AREA TOTAL			$2,107	$1,188	$3,295

The mudded joint packings are found above the drop ceilings. The quantities given are estimates from inspection measurements.

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 06/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 189
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
373	TRIANGLE	East Finger-1st Floor-Ceiling					AREA AVERAGE % ASB -		0%					
	office area		187325-0	drop or lay-in panel	OMG	396	sq.ft.		0					
	restroom		187325-0	drop or lay-in panel	OMG	120	sq.ft.		0					
	locker room		187325-0	drop or lay-in panel	OMG	280	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
374	TRIANGLE	East Finger-1st Floor-Floor					AREA AVERAGE % ASB -		0%					
	locker room		187370-0	vinyl floor tile	OMZ	200	sq.ft.		0					
	office area		187370-0	vinyl floor tile	OMZ	396	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
375	TRIANGLE	East Finger-1st Floor					AREA AVERAGE % ASB -		0%					
	on I-beams		187363-91	fireproofing	OMC	280	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
								AREA TOTAL				$0	$0	$0

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
							TENANT - TRIANGLE			TOTAL		$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	EXP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
376	U.S. CUSTOMS	Center Section-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 33%							
		leading to restrooms	187846-12	mjp on non-suspect pipe cover	OMA	80	4 in. O.D.	DW	30	14	IV	$3,326	$1,848	$5,174
			187847-12	mjp on non-suspect pipe cover	OMA				40	14	IV			
			187848-12	mjp on non-suspect pipe cover	OMA				40	14	IV			
		leading to radiators	187136-36	mjp on non-suspect pipe cover	OMA	96	4 in. O.D.	HWS/R	45	14	IV	$3,629	$2,016	$5,645
			187137-36	mjp on non-suspect pipe cover	OMA				55	14	IV			
			187138-36	mjp on non-suspect pipe cover	OMA				40	14	IV			
		leading to air handlers	187143-38	mjp on non-suspect pipe cover	OMA	38	6 in. O.D.	CWS/R	0	14	IV	$1,978	$1,162	$3,140
			187144-38	mjp on non-suspect pipe cover	OMA				45	14	IV			
			187145-38	mjp on non-suspect pipe cover	OMA				0	14	IV			
											AREA TOTAL	$8,933	$5,026	$13,959

The material is in fair to good condition throughout area above ceilings. The quantities given are based on inspection counts.

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	EXP PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
377	U.S. CUSTOMS	Center Section-1st Floor-Above Ceiling					AREA AVERAGE % ASB - 0%							
		on steel I-beams	187363-91	fireproofing	OMC	4950	sq.ft.		0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
											AREA TOTAL	$0	$0	$0

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
378	U.S. CUSTOMS	Center Section-1st Floor					AREA AVERAGE % ASB - 26%							
		electrical closet	187846-12	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	CW	30	22	III	$378	$210	$588
		air handling room by baggage claim #4	187846-12	mjp on non-suspect pipe cover	OMA	10	4 in. O.D.	DW	30	22	III	$378	$210	$588
			187847-12	mjp on non-suspect pipe cover	OMA				40	22	III			
			187848-12	mjp on non-suspect pipe cover	OMA				40	22	III			
		air handling room by baggage claim #4	187143-38	mjp on non-suspect pipe cover	OMA	12	4 in. O.D.	CWS/R	0	22	III	$454	$252	$706
			187144-38	mjp on non-suspect pipe cover	OMA				45	22	III			
			187145-38	mjp on non-suspect pipe cover	OMA				0	22	III			
		The mudded joint packings are in good condition with only minor contact damage visible.						AREA TOTAL				$1,210	$672	$1,882
379	U.S. CUSTOMS	Center Section-1st Floor-Floor					AREA AVERAGE % ASB - 3%							
		immigration hallways	187008-0	vinyl floor tile	OMZ	2750	sq.ft.		6	6	IV	$12,485	$9,460	$21,945
		offices	187323-0	vinyl floor tile	OMZ	14250	sq.ft.		0					
		The material is in fair condition. Some areas which are exposed show contact damage. Almost the entire area has been covered with new 1'x1' tiles. The quantities given are estimates based on measurement taken upon inspection.						AREA TOTAL				$12,485	$9,460	$21,945
380	U.S. CUSTOMS	Center Section-1st Floor-Ceilings					AREA AVERAGE % ASB - 0%							
		front offices-throughout	187007-0	drop or lay-in panel	OMG	1400	sq.ft.		0					
		immigration area-throughout	187007-0	drop or lay-in panel	OMG	26830	sq.ft.		0					
		men's locker room-throughout	187009-0	drop or lay-in panel	OMG	1100	sq.ft.		0					
		electrical room 122-throughout	187010-0	drop or lay-in panel	OMG	200	sq.ft.		0					

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
								AREA TOTAL				$0	$0	$0
381	U.S. CUSTOMS	Center Section-1st Floor					AREA AVERAGE % ASB - 15%							
		above check counters	187089-82	sprayed acoustical plaster	OMD	3500	sq.ft.		15	21	III	$105,000	$29,925	$134,925
			187090-82	sprayed acoustical plaster	OMD				15	21	III			
			187091-82	sprayed acoustical plaster	OMD				15	21	III			
		The material is located above customs baggage check counters. They are black panels which are in good condition and are well covered by the paint.						AREA TOTAL				$105,000	$29,925	$134,925
382	U.S. CUSTOMS	East & West Finger-1st Floor-Ceiling					AREA AVERAGE % ASB - 0%							
		west finger-immigration corridor	187371-0	acoustical tile	OMG	4840	sq.ft.		0					
		east finger-immigration corridor	187371-0	acoustical tile	OMG	4646	sq.ft.		0					
								AREA TOTAL				$0	$0	$0
383	U.S. CUSTOMS	Center Section-2nd Floor-Floor					AREA AVERAGE % ASB - 2%							
		women's locker room	187333-0	vinyl floor tile	OMZ	500	sq.ft.		2	6	IV	$2,270	$1,720	$3,990
		east office	187333-0	vinyl floor tile	OMZ	300	sq.ft.		2	6	IV	$1,362	$1,032	$2,394
		west office	187333-0	vinyl floor tile	OMZ	300	sq.ft.		2	6	IV	$1,362	$1,032	$2,394

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
The material is in good condition.														
								AREA TOTAL				$4,994	$3,784	$8,778

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

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JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050

Building Name: INTERNATIONAL ARRIVALS BUILDING JFK AIRPORT

Building Type: TERMINAL

Constructed: 1957

Inspected: 04/29/88

Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														
392	VARIG.	East Finger-1st Floor-Above Ceiling					AREA AVERAGE % ASB -		0%					
	on steel I-beams		187363-91	fireproofing	OMC	3285 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					
			187367-91	fireproofing	OMC				0					
			187368-91	fireproofing	OMC				0					
			187369-91	fireproofing	OMC				0					
									AREA TOTAL			$0	$0	$0
393	VARIG.	East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB -		0%					
	on I-beams		187363-91	fireproofing	OMC	2360 sq.ft.			0					
			187364-91	fireproofing	OMC				0					
			187365-91	fireproofing	OMC				0					
			187366-91	fireproofing	OMC				0					

AREA #	TENANT . AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
		187367-91	fireproofing	OMC				0					
		187368-91	fireproofing	OMC				0					
		187369-91	fireproofing	OMC				0					
							AREA TOTAL				$0	$0	$0
394	VARIG. East Wing-1st Floor-Baggage Handling					AREA AVERAGE % ASB - 24%							
	at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	95	4 in. O.D.	MWS/R	0					
	at ceiling	187849-13	mjp on non-suspect pipe cover	OMA	35	6 in. O.D.	MWS/R	0					
		187850-13	mjp on non-suspect pipe cover	OMA				0					
		187851-13	mjp on non-suspect pipe cover	OMA				0					
	at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	55	6 in. O.D.	CWS/R	50	25	III	$2,862	$1,681	$4,543
	at ceiling	187852-14	mjp on non-suspect pipe cover	OMA	40	8 in. O.D.	CWS/R	50	25	III	$2,590	$1,523	$4,113
		187853-14	mjp on non-suspect pipe cover	OMA				40	25	III			
		187854-14	mjp on non-suspect pipe cover	OMA				50	25	III			
	The material in this area is in fair condition, with some mudded joint packings showing signs of minor contact and water damage.						AREA TOTAL				$5,452	$3,204	$8,656
395	VARIG. East Wing-1st Floor-Office Area					AREA AVERAGE % ASB - 2%							
	operations offices	187319-0	vinyl floor tile	OMZ	1575	sq.ft.		2	6	IV	$7,150	$5,418	$12,568
	The material is in good condition.						AREA TOTAL				$7,150	$5,418	$12,568

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION / LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
396	VARIG.	East Wing-1st Floor-Office Ceiling					AREA AVERAGE % ASB -		0%					
	operations offices		187325-0	drop or lay-in panel	ONG	1575	sq.ft.		0					
									AREA TOTAL			$0	$0	$0
397	VARIG.	East Wing-1st Floor-Lobby Area-Ceiling					AREA AVERAGE % ASB -		7%					
	at ceiling		187326-84	sprayed acoustical plaster	OMD	1800	sq.ft.		8	25	III	$58,392	$17,136	$75,528
			187327-84	sprayed acoustical plaster	OMD				5	25	III			
			187328-84	sprayed acoustical plaster	OMD				4	25	III			
			187329-84	sprayed acoustical plaster	OMD				8	25	III			
			187330-84	sprayed acoustical plaster	OMD				8	25	III			
	The material is in good condition and is encapsulated with paint.								AREA TOTAL			$58,392	$17,136	$75,528
398	VARIG.	East Wing-1st Floor-Above Ceiling					AREA AVERAGE % ASB -		30%					
	leading to heaters		187836-11	mjp on non-suspect pipe cover	OMA	23	4 in. O.D.	DW	70	15	IV	$869	$483	$1,352
			187837-11	mjp on non-suspect pipe cover	OMA				25	15	IV			
			187838-11	mjp on non-suspect pipe cover	OMA				20	15	IV			
	The material is above drop ceiling. The quantity given is an estimate based upon inspection.								AREA TOTAL			$869	$483	$1,352

[redacted]

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 202
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT	AREA DESCRIPTION LOCATION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

Asbestos Assessment Survey

H-K Building #: 21

Building Number: 050 Page 203
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION OF MATERIAL	AREA DESCRIPTION	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	O&M CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS
[redacted]														

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.

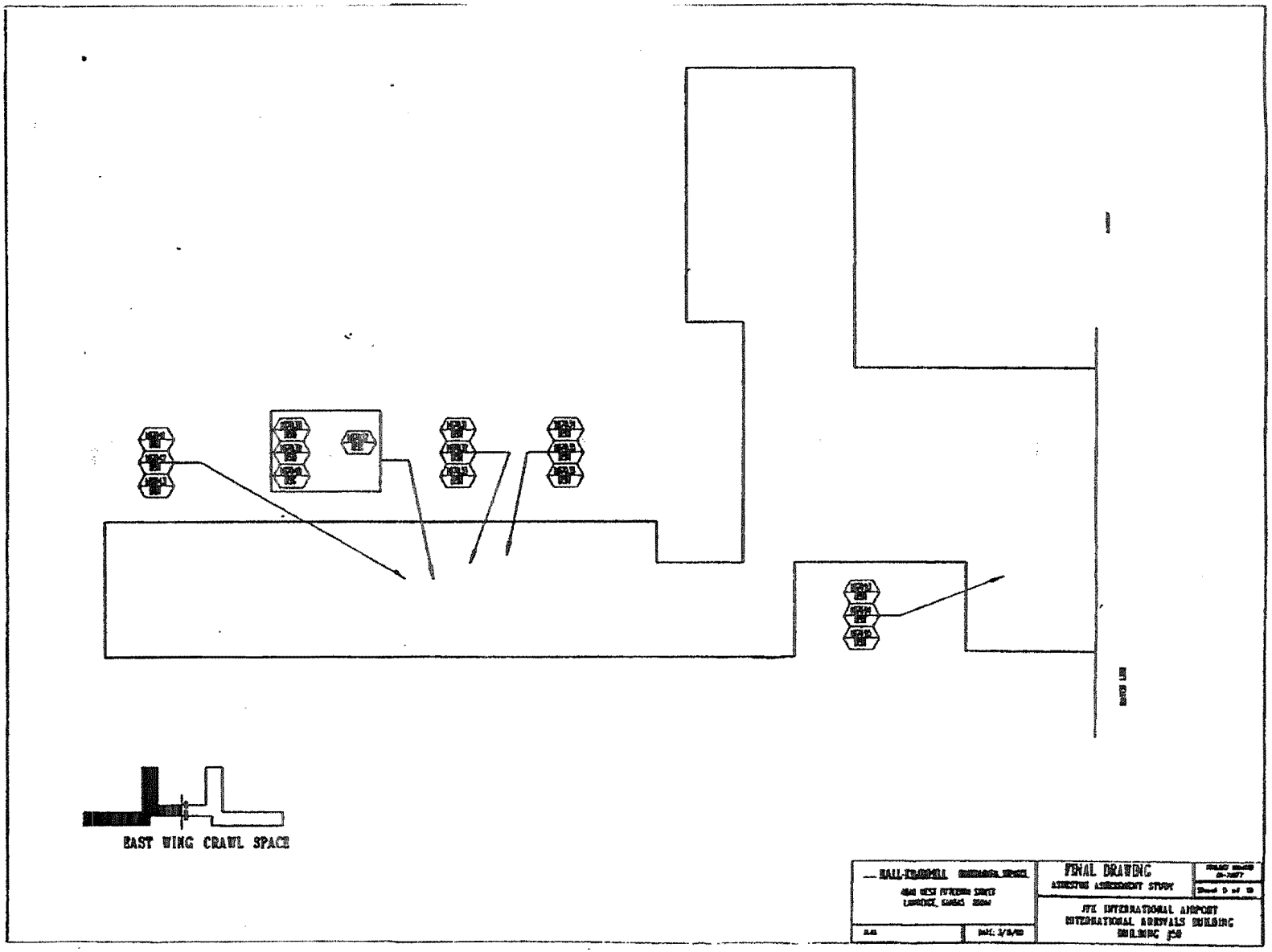
Asbestos Assessment Survey

H-K Building #: 21

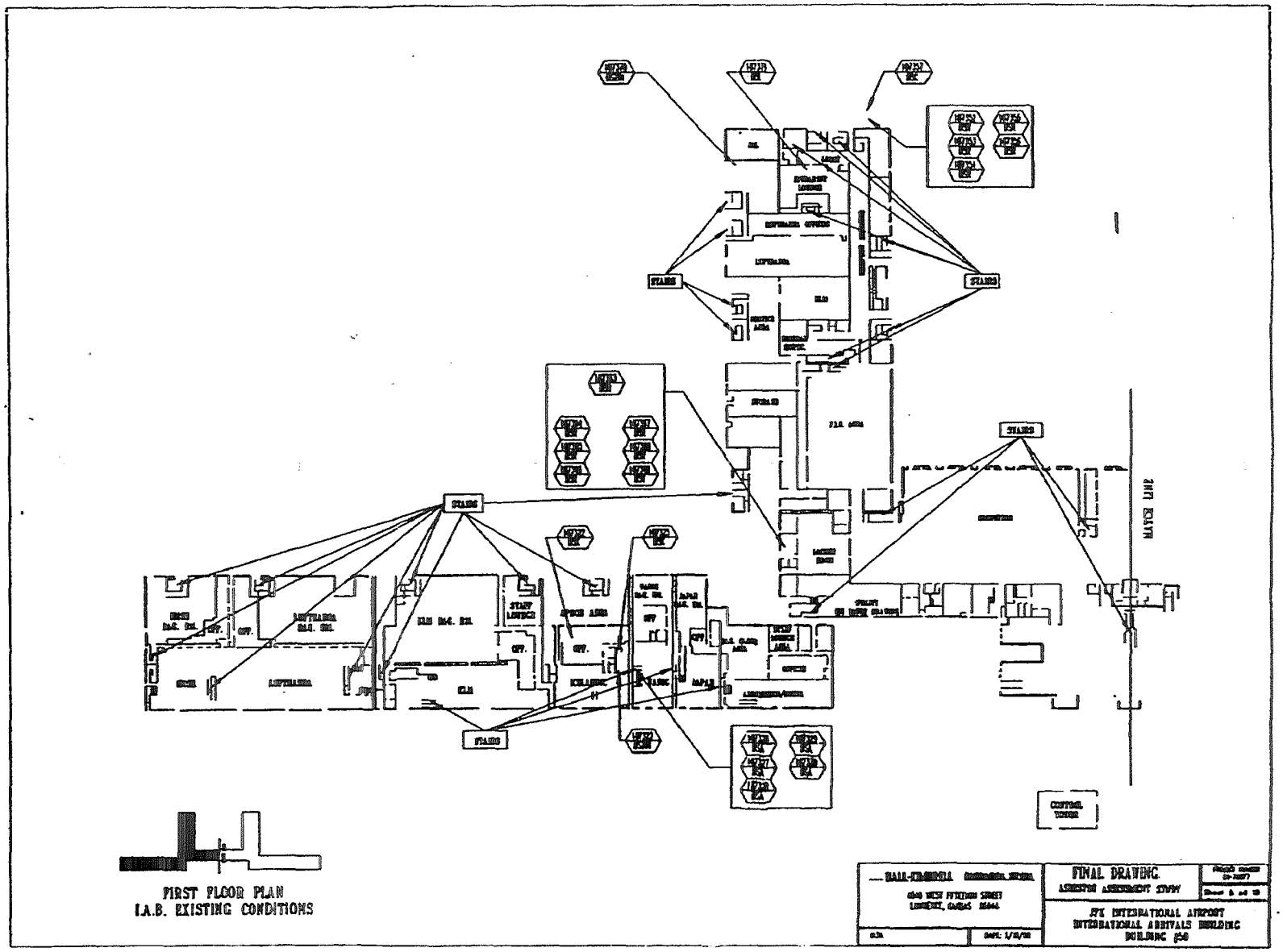
Building Number: 050 Page 204
Building Name: INTERNATIONAL ARRIVALS BUILDING
JFK AIRPORT
Building Type: TERMINAL
Constructed: 1957
Inspected: 04/29/88
Inspector: Bryant/Gideon

AREA #	TENANT LOCATION	AREA DESCRIPTION OF MATERIAL	SAMPLE NUMBER	BULK SAMPLE DESCRIPTION	OSM CODE	QUANT	UNIT OF MEASURE	PIPE ID	% ASB	EXP POT	PL	REMOVAL COSTS	REPLACEMENT COSTS	TOTAL COSTS

[redacted]


EAST WING CRAWL SPACE
HALL-TERRELL
FINAL DRAWING
ASBESTOS ASSESSMENT STUDY
JFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 258

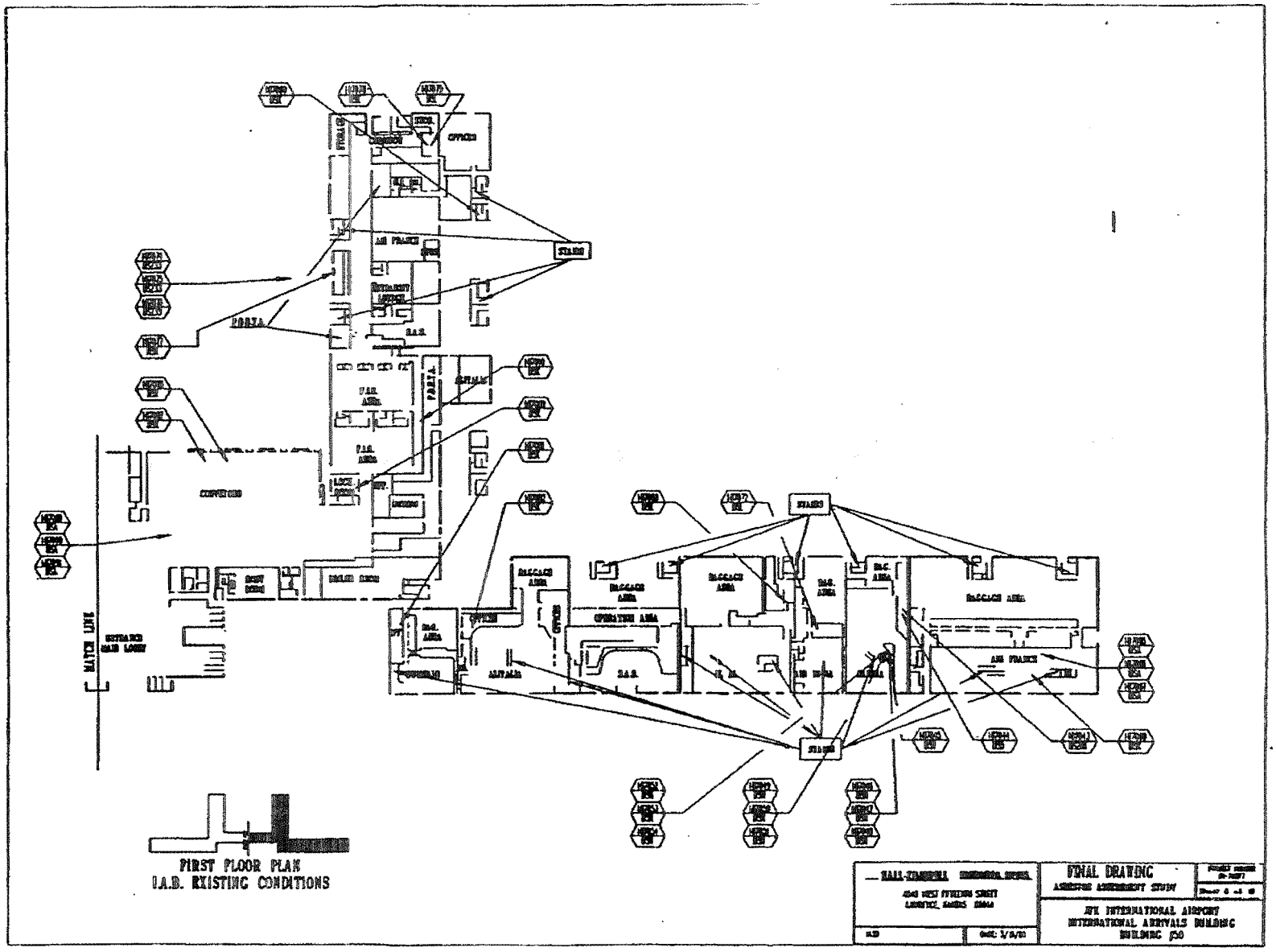
WEST MINE COAL SPACE
FINAL DRAWING



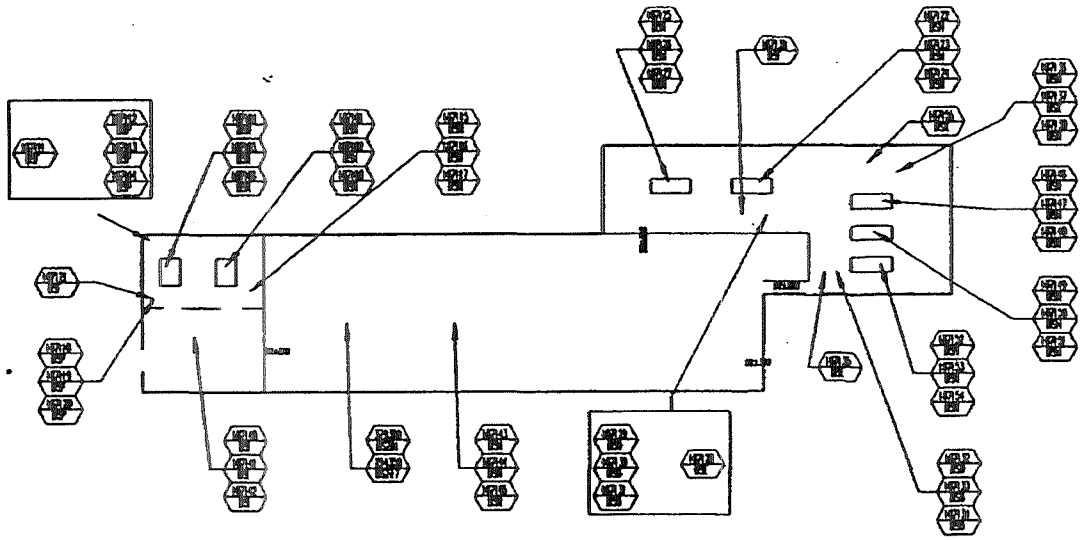
FIRST FLOOR PLAN
I.A.B. EXISTING CONDITIONS

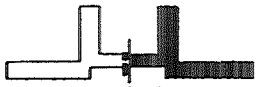
FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING



FIRST FLOOR PLAN
I.A.B. EXISTING CONDITIONS



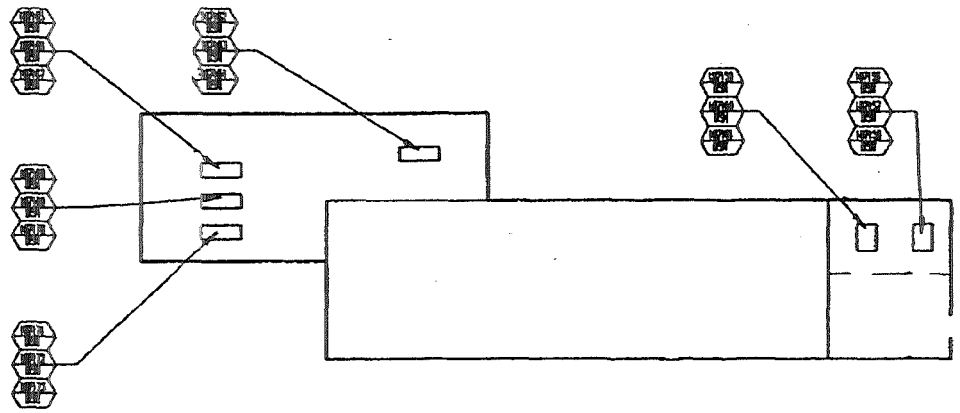


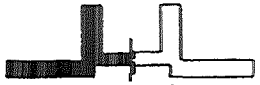
FIRST FLOOR PLAN
I.A.B. EXISTING CONDITIONS

BALL-TOMPKINS

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 250





FIRST FLOOR PLAN
I.A.B. EXISTING CONDITIONS

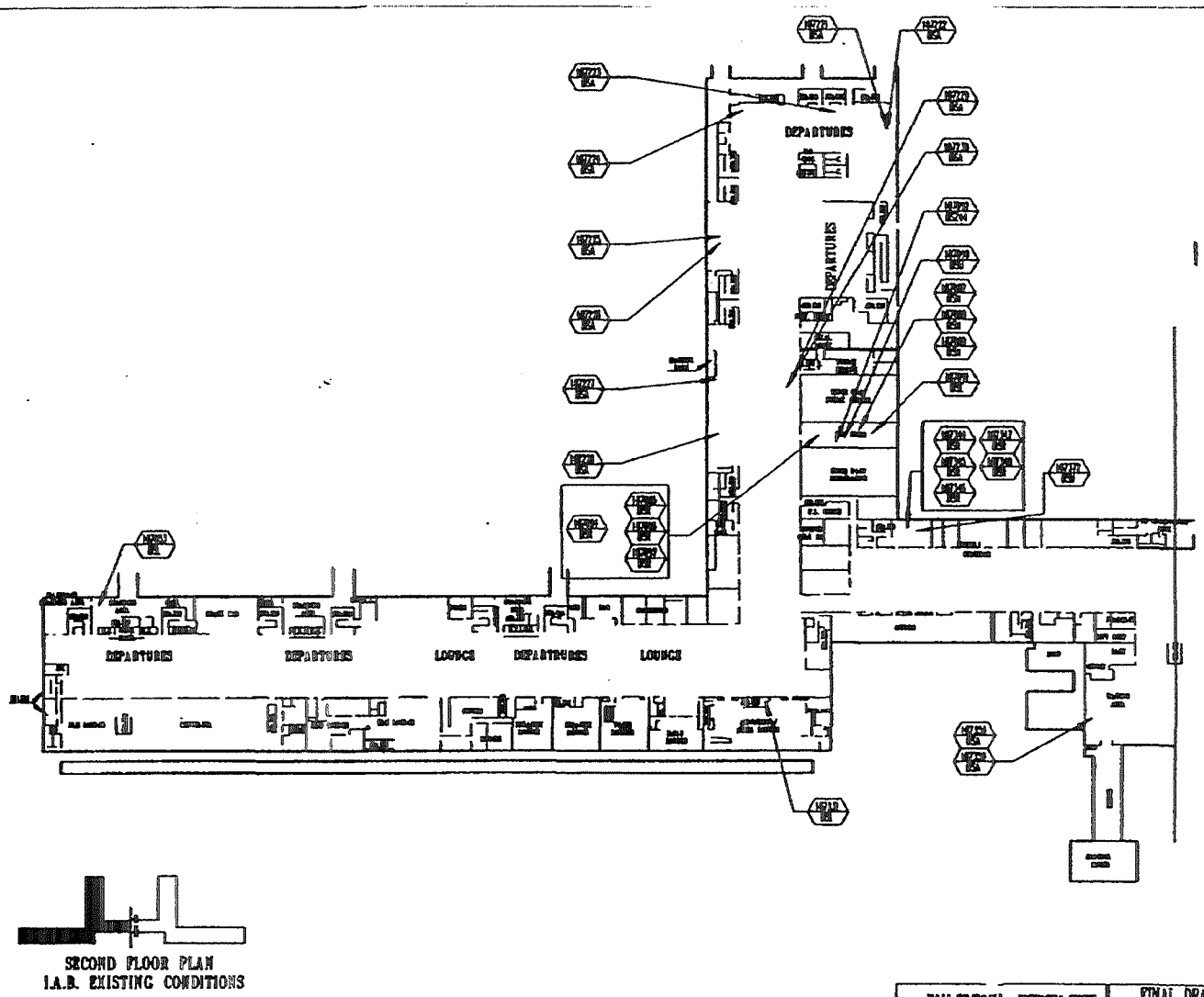
HALL-KIMBRELL CONSULTING ENGINEERS
4040 NEW FEDERAL SHOT
LAWRENCE, KANSAS 66044

DWG: 2/2/03

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

Project number 01-7027
Sheet 2 of 10

FTK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 50

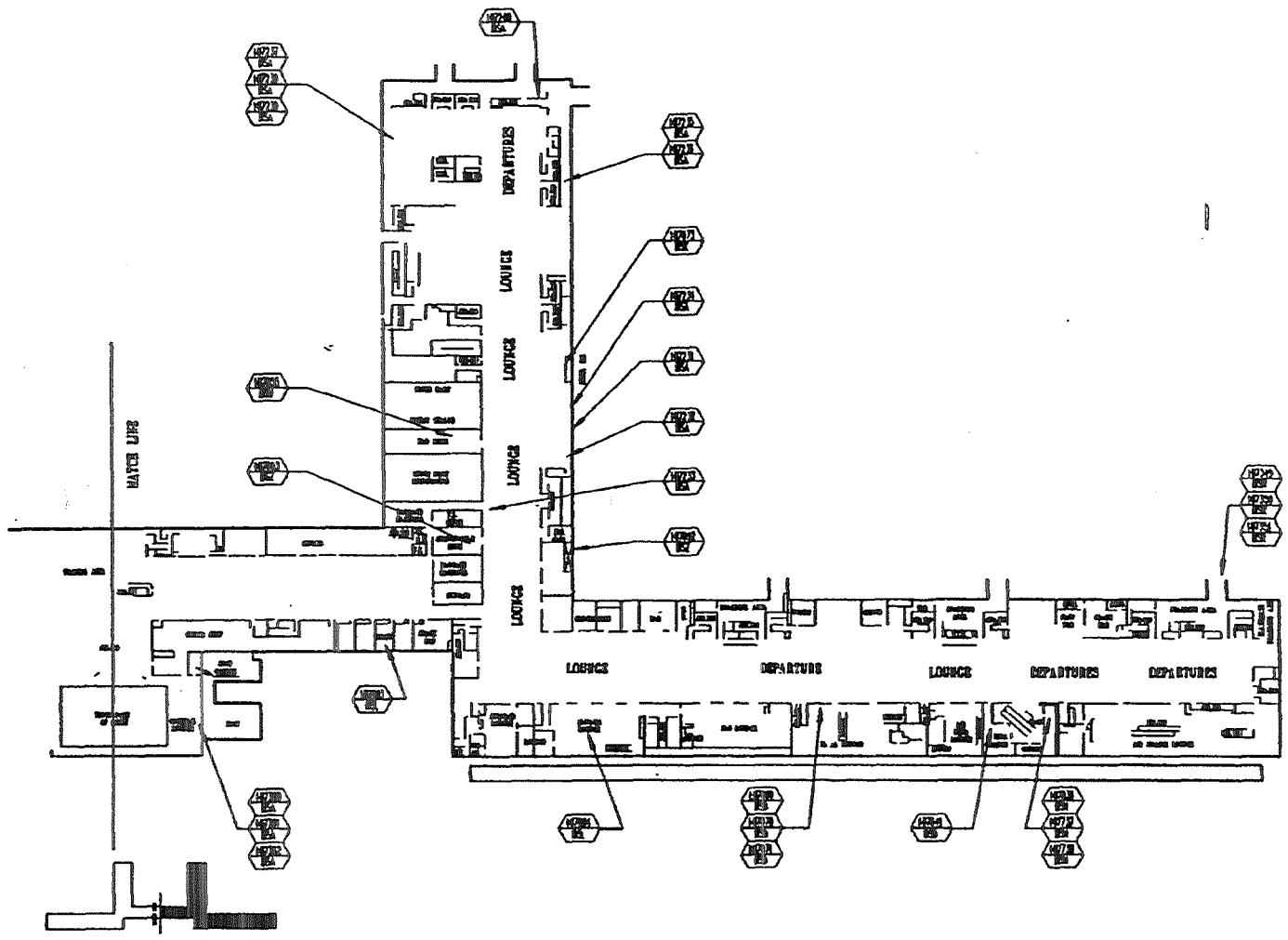


SECOND FLOOR PLAN
I.A.B. EXISTING CONDITIONS

HALL-EMMONS
4040 WEST PENNSYLVANIA STREET
LAWRENCE, KANSAS 66044

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 256

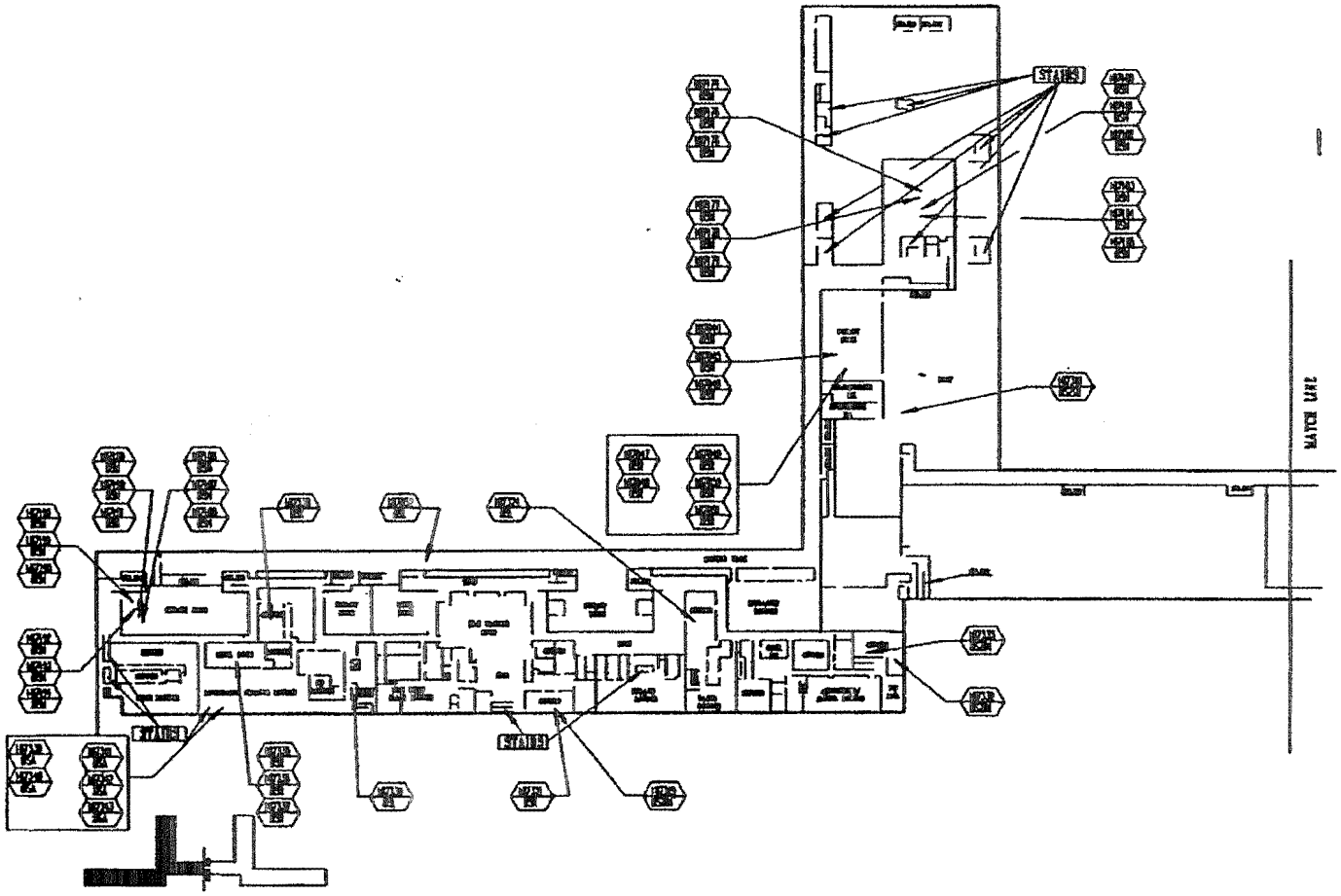


SECOND FLOOR PLAN
I.A.B. EXISTING CONDITIONS

HALL-TERRILL

FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

JFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 250



THIRD FLOOR PLAN
I.A.B. EXISTING CONDITIONS

HALL-KIMBRELL ENVIRONMENTAL SERVICES, INC.
4040 WEST PENNSYLVANIA STREET
LAWRENCE, KANSAS 66044

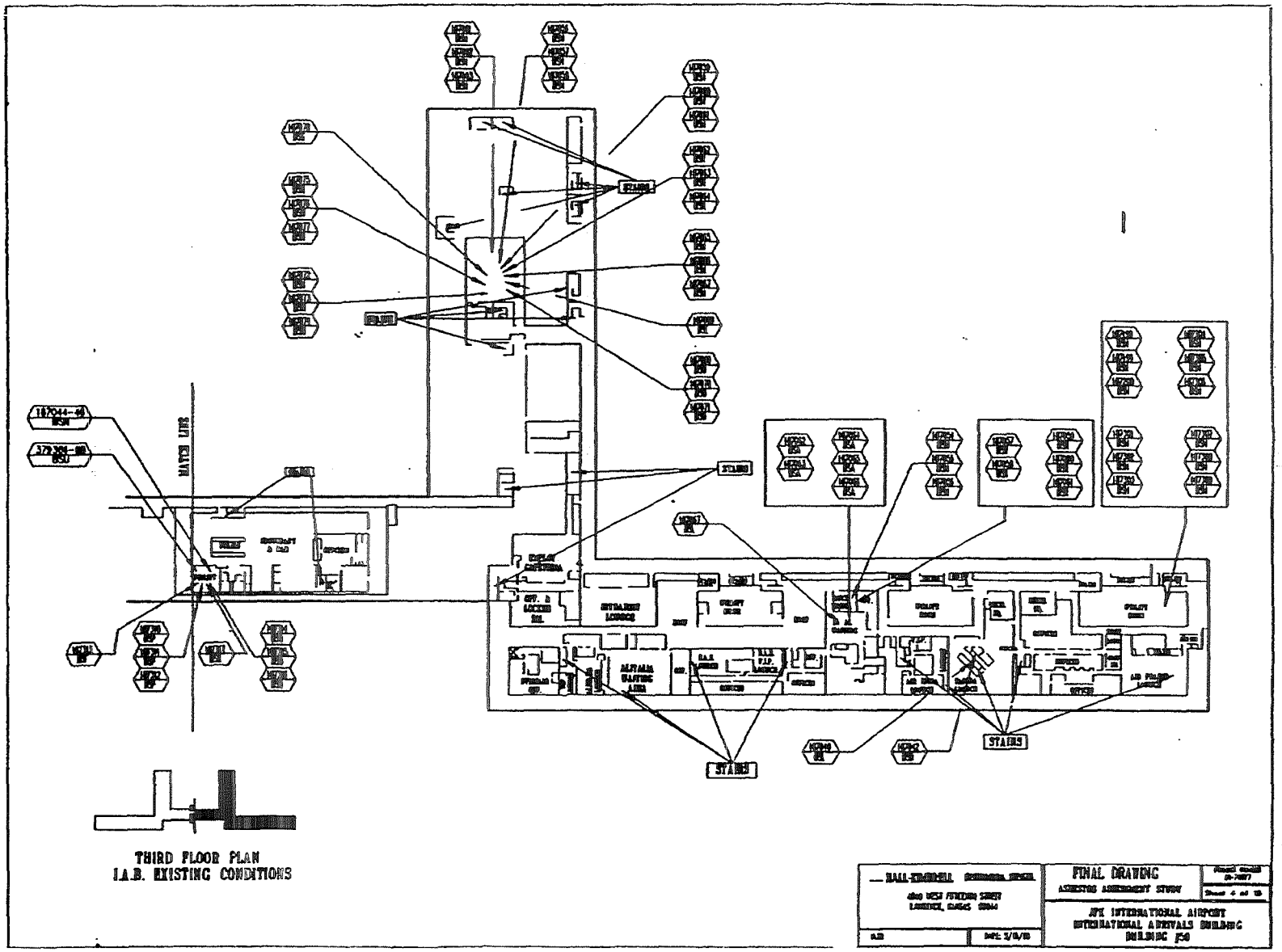
FINAL DRAWING
ASBESTOS ASSESSMENT STUDY

PROJECT NUMBER 89-14017

Sheet 3 of 10

SFK INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVALS BUILDING
BUILDING 250

DATE 1/8/90



THIRD FLOOR PLAN
I.A.B. EXISTING CONDITIONS

CONTENTS OF IRA.DBF

PART 1

EDP 007589

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
			ROOM									R/PIPE FITTINGS/B REECHING			
1	AVIATION	JFK	CONCOURSE LEVEL EXTERIOR VESTIBULES DELTA AIR	JFK-053	2700SF		215.218		Y-6522A	TAA		FP	ATC	100000	0
1	AVIATION	JFK	DELTA AIRLINES	JFK-053,054	71310SF		215.221		Y-6526A	TAA	PROGRESS	CEILING		270000	0
1	AVIATION	JFK	EAST CONCOURSE	JFK-053	7000SF		215.222		Y-6529A	TAA	PLANNING	FP	HAZARDOUS ELIMINATIO N	88562	0
1	AVIATION	JFK	STATION OPERATIONS OFFICE	JFK-053	3300SF/4200S		215.223		Y-6533A	TAA	PROGRESS	VAT/FP		80000	0

[redacted]

CONTENTS OF IRA.DBF

PART 1

EDP 007621

Ct	Dept	Facility	Area	Building	Estquant	Actquant	Jobnum	Worknum	Contnum	Contype	Status	Product	Contractor	Estcost	Bestcost
[redacted]															
1	AVIATION	JFK		JFK-IAB			215.636		JFK-215.590	CALLIN		PLASTER CEILING	ACS	25000	0
1	AVIATION	JFK	PLASTER CEILINGS THROUGHOUT BLDG.	JFK-IAB	8000SF		215.637		JFK-215.590	CALLIN		CEILING PATCHES	ACS	100000	0
[redacted]															
1	AVIATION	JFK	WEST FINGER, 2ND FLOOR:	JFK-IAB	700SF/#10		215.639		JFK-215.590	CALLIN		VAT/PIPE ELBOWS &	ACS	11000	0

CARLIN-ATLAS

The P. J. Carlin Construction Company and Atlas Tile and Marble Works, Inc.
A JOINT VENTURE
41-17 Crescent Street, Long Island City, New York 11101 • (212) 392-4030

January 24, 1969

Port Authority Administration Bldg. (#141)
John F. Kennedy International Airport
Jamaica, New York 11430

Attention: Mr. I. Dornfeld, Manager
Plant & Structures Division

466-24

Kennedy International Airport
International Arrivals and
Airline Wing Buildings
Contract Number JFK-410.058

— 3

Gentlemen:

As per your request, enclosed is a list of qualifications for each of the below listed Subcontractors we have submitted for approval on the captioned project:

✓ Marion& DiBono Plastering Co., Inc. - Clay Hourigan OK APP'D W.T.C. 2/5/69

✓ Cord Contracting Co., Inc. — OK 2/4/69

With regard to your request for a list of qualifications for Close-O-Matic Door Controls, Inc., please be advised that we have notified them of this requirement and that this list is forthcoming. ALSO HEAD WALL SURFACES

Also, please advise us as to whether or not you have an approval for Pioneer Industries, Inc. (Pioneer Fireproof Door Corp.). APP'D 2/4/69

Your prompt approval of the above listed proposed Subcontractors will be appreciated.

Very truly yours,

CARLIN - ATLAS

Jules M. Price

THE PORT OF NEW YORK AUTHORITY
J. F. K. INTERNATIONAL AIRPORT
RESIDENT ENGINEER - IAB
RECEIVED
JAN 27 1969

REFER	✓	NOTED	REFER	✓	NOTED
EPR			FJP		
BPS	✓	BPS	CER		
GEB			JMCP		
JWL					

cc: E. Rigaut, Res. Eng.

4/11

A47481

PA 90-C
5-63

April 8, 1969

Carlin-Atlas
41-17 Crescent Street
Long Island City, New York 11101

0-3

SUBJECT: KENNEDY INTERNATIONAL AIRPORT - CONTRACT JFK-410.036 - INTERNATIONAL ARRIVAL & AIRLINE WING BUILDINGS - EXPANSION - SUPERSTRUCTURE - APPROVAL OF SUBCONTRACTORS

ATTENTION: MR. J. PRICE

466-24

Gentlemen:

Reference is made to your letter dated 1/24/69.

Subcontractor	Work
Mario & DiBono 370 Northern Blvd. Great Neck, New York	59 - Plastering

This will serve to confirm our verbal communication of 2/5/69 that subject to all the terms and conditions of Contract JFK-410.036, the above subcontractor is hereby approved for the above work. Approval is given for performance of work at the site only. Any materials to be furnished by this subcontractor shall be subject to inspection and approval as required by the Specifications.

Very truly yours,

I. J. Dornfeld, Manager
Plant & Structures Division
Kennedy International Airport

JMcP/ec
bcc: Messrs. L. Booth, C. Levinson, E. Rigaut, W. Stevens, R. White
1106 1003 JFKIA 1115 1110

The Port Authority of New York and New Jersey

CONFORMED COPY

JOHN F. KENNEDY INTERNATIONAL AIRPORT

INTERNATIONAL ARRIVAL BUILDING

MISCELLANEOUS ALTERATIONS, PHASE I

CONTRACT JFK 410 0002

AUGUST 1972

This proposal is not complete unless bidder's signature appears on both locations on page

P 778954

44. PLASTERING.

Except as otherwise specified herein or shown on the Contract Drawings, plastering shall be at least equal to the applicable requirements of the American Standard Specifications for Gypsum Plastering (Designation: ASA No.: A42.1-1955).

Materials

Materials for use in plastering, with the exception of sand, shall be delivered to the construction site in sealed containers or bags and shall be stored in a dry, well ventilated space, under cover and off the ground, until used in the preparation of plaster.

Aggregates for plaster shall conform to the Tentative Specifications for Inorganic Aggregates for Use in Interior Plaster (A.S.T.M. Designation: C35).

Water shall be clean, fresh water suitable for drinking purposes.

Gypsum plaster and calcined gypsum shall conform to the requirements for gypsum neat plaster and gypsum gauging plaster for finishing coat of the Standard Specifications for Gypsum Plasters (A.S.T.M. Designation: C28)

Quicklime shall pass a thirty-mesh sieve and shall conform to the requirements for calcium lime of the Standard Specifications for Quicklime for Structural Purposes (A.S.T.M. Designation: C5-26) of the American Society for Testing Materials, except that lime putty formed from the above specified quicklime shall have a plasticity figure of not less than 200 when tested in accordance with the Standard Methods of Physical Testing of Quicklime and Hydrated Lime (A.S.T.M. Designation: C110)

Hydrated Lime shall conform to the Standard Specifications for Special Finishing Hydrated Lime (A.S.T.M. Designation: C206-49).

Fiber shall be wood, pure manila or other approved fiber, one-half of an inch to two inches long, free from grease, oil, dirt and other impurities and shall be completely soaked in water and separated before being mixed in plaster.

Proportions for Gypsum Plaster

Gypsum plaster shall consist of a mixture of gypsum plaster and sand mixed in the following proportions by volume:

(a) The first or scratch coat on metal lath shall be mixed in the proportion of one part of gypsum neat plaster to two parts of sand. If the plaster for the scratch coat is unfibered, one bushel of fiber shall be added for each cubic yard of sand used.

(b) The brown coat, or base coat on masonry surfaces shall be mixed in the proportion of one part of gypsum neat plaster to three parts of sand. If the plaster for the brown coat is unfibered, one-half bushel of fiber shall be added for each cubic yard of sand used. The finish coat for gypsum plaster shall be mixed in the proportion, by volume, of three parts of lime putty to one part of calcined gypsum.

Proportions for Vermiculite Gypsum Plaster

Vermiculite gypsum shall consist of a mixture of gypsum plaster and approved light weight aggregate mixed in the following proportions:

(a) The first or scratch coat on metal lath shall be mixed in the proportion of two cubic feet of aggregate to one hundred pounds of gypsum neat plaster.

(b) The second coat on metal lath and the base coat on masonry surfaces shall be mixed in the proportion of three cubic feet of aggregate to one hundred pounds of gypsum neat plaster.

A finish coat will not be required for Vermiculite gypsum plaster. The finished surfaces of the brown coat or base coat shall be cork floated and lightly troweled to a true, even surface with all angles plumb and square.

Mixing

Except as otherwise approved or when hand mixing is permitted, plaster shall be mixed in a batch type mixer at the construction site. Frozen, caked or lumpy materials shall not be used. The mixer shall be cleaned of all set or hardened material before materials for the next batch are loaded. When the mixer is used intermittently, sand and water shall be run in the mixer for a few minutes after each batch and the mixer are completely emptied.

Each batch of plaster shall be mixed separately. Plaster shall be thoroughly mixed to obtain uniformity of color and workable consistency of mass, and only in such quantities as will be used before it has started to set. Retempering of plaster which has started to set will not be permitted and plaster which has set shall be discarded.

When hand mixing is permitted, the mixing boxes shall be watertight and shall be thoroughly cleaned of set or hardened material prior to placing of fresh materials for each batch. Only one batch at a time shall be mixed in a box. Waterproof protection shall be provided under each box and water barrel. Tools shall be cleaned after mixing each batch.

Application

Except as otherwise required by the Contract Drawings, or specified herein, plaster shall be not less than five-eighths of an inch thick measured from the outer surface of the metal lath or from the surface of the masonry base. Where, in certain cases gypsum plaster is to be applied in a thickness of more than five-eighths of an inch, the scratch coat, or base coat, shall be applied to the required thickness in increments not exceeding one-half inch.

Surfaces to receive plaster shall be clean and free from loose material, dirt and foreign or objectionable matter. The exterior openings to spaces where plastering will be performed shall be kept closed, if required by the Engineer, to properly regulate drying and curing of the plaster. Plaster shall be protected from rapid drying and from frost.

Unless otherwise specified herein, plaster on metal lath shall be applied in three coats. The scratch coat on metal lath shall be applied with enough pressure to fill the meshes and satisfactorily key the plaster. The scratch coat shall be brought up to a thickness equal to approximately one-half of the total thickness of plaster required. The scratch coat shall be cross-scratched diagonally to a rough texture for application of the brown coat. After the scratch coat has hardened but before it has dried, the brown coat shall be applied. The brown coat shall be to such thickness as to finish flush with screeds and grounds and, unless otherwise specified herein, shall be rodded and brought to a true, uniform surface, shall be lightly broomed and allowed to set and dry before the finish coat is applied. The gypsum-lime putty white finish coat shall be applied, allowed to dry and then brushed with water and troweled to a smooth, glossy finish. The finished plaster shall be true and out of wind, with all angles plumb, true and square, troweled to an even surface without waves, stains, cracks or defacement of any sort.

Plaster on masonry surfaces shall be applied in two coats by the "double-up" method. The base coat shall be applied with sufficient force and thickness to form a satisfactory bond, then doubled back to finish flush with screeds and grounds. Unless otherwise specified herein the plaster shall be straightened to a true surface with rod and darby and left rough to receive the finish coat. The finish coat shall be applied in the manner specified for plaster finish coat on metal lath.

Portland Cement Plaster

Portland cement plaster shall consist of a mixture of Portland cement and sand applied in three coats on metal lath: a scratch coat, a brown coat and a finish coat, or applied in two coats on masonry surfaces: a brown coat and a finish coat.

Portland cement shall conform to the requirements for Type I cement of the Standard Specifications for Portland Cement (A.S.T.M. Designation: C150-52) of the American Society for Testing Materials.

Portland cement plaster shall be mixed in the proportion, by volume, of one part of Portland cement to three parts of sand, to which is added lime putty in an amount equal to twenty-five per cent of the volume of Portland cement. The scratch coat of Portland cement plaster applied to metal lath shall contain one pound of fiber for each sack of Portland cement used. The brown coat for two coat Portland cement plaster shall be similarly fibered.

Harry Construction Corporation

The Port Authority of New York and New Jersey

JOHN F. KENNEDY INTERNATIONAL AIRPORT

INTERNATIONAL ARRIVAL BUILDING

MISCELLANEOUS ALTERATIONS - PHASE I

CONTRACT JFK-410.092

AUGUST 1972

CONTRACT JFK-410.092 - JOHN F. KENNEDY INTERNATIONAL AIRPORT
INTERNATIONAL ARRIVAL BUILDING - MISCELLANEOUS ALTERATIONS-PHASE I

PA 98554

The telephone number of the undersigned is 212-679-2650

Dated, 8/29/72 19

HARVY CONSTRUCTION CORP.

(Name of corporation or partnership or signature of individual) →

(Signature of corporate officer, partner or agent of individual) → By (*)

(Acknowledgment of signature to be taken on proper form on following page)

New York N.Y. 11375

NOTICE TO BIDDERS:

Unless the following assurance of irrevocability is also signed, the above Proposal is not responsive to the Authority's invitation to bid.

The foregoing offer shall be irrevocable for 60 days after the date on which The Port Authority of New York and New Jersey opens this Proposal.

(Signature of agent, partner or corporate officer signing above) →

CERTIFICATE OF AUTHORITY, IF BIDDER IS A CORPORATION

I, the undersigned, as Secretary of the corporation submitting the foregoing Proposal, hereby certify that under and pursuant to the by-laws and resolutions of said corporation, each officer who has signed said Proposal on behalf of the corporation, including the foregoing assurance of irrevocability, is fully and completely authorized so to do.

(Corporate Seal)

(*) If Proposal is signed by an officer or agent, give title and address.

The Port Authority
of New York and New Jersey

111 Eighth Avenue
New York, N.Y. 10011

John F. Kennedy International Airport
Jamaica, New York 11430

Morris Sloane
General Manager
(212) 656-4300

I. J. Dornfeld
Manager
Plant & Structures Division
(212) 656-4380

Aviation Department

Neal R. Montanus
Director

Caesar B. Pattarini
Deputy Director

CERTIFICATE OF COMPLETION OF WORK
OF CONTRACT JFK-410.092

INTERNATIONAL ARRIVALS BUILDING -
MISCELLANEOUS ALTERATIONS - PHASE I
KENNEDY INTERNATIONAL AIRPORT

To: The Port Authority of New York and New Jersey

HARVY CONSTRUCTION CORPORATION

Pursuant to Clause 28, Chapter IV, Page 54 of The Port Authority of New York and New Jersey Contract JFK-410.092 with Harvy Construction Corporation for the International Arrivals Building - Miscellaneous Alterations - Phase I, I hereby certify that such tests and inspections as were necessary or desirable have satisfied me with respect to the extent, nature and quality of the Work performed by Harvy Construction Corporation, as contractor under said contract and that, in my opinion, all of the Work under said contract has been completed in accordance with the Contract Drawings and Specifications and requirements of the Engineer, and was so completed on August 1, 1973.

Manager, Plant & Structures
Kennedy International Airport

Dated: 12/3/73
New York, New York

PA 98556

The Port Authority
of New York and New Jersey

111 Eighth Avenue
New York, N.Y. 10011

John F. Kennedy International Airport
Jamaica, New York 11430

Morris Sloane
General Manager
(212) 656-4300

I. J. Dornfeld
Manager -
Plant & Structures Division
(212) 656-4380

Aviation Department

Neal R. Montanus
Director

Caesar B. Pattarini
Deputy Director

CERTIFICATE OF COMPLETION OF SALE
OF CONTRACT JFK-410.092

INTERNATIONAL ARRIVALS BUILDING -
MISCELLANEOUS ALTERATIONS - PHASE I
KENNEDY INTERNATIONAL AIRPORT

To: The Port Authority of New York and New Jersey

HARVY CONSTRUCTION CORPORATION

Pursuant to Clause 27, Chapter IV, Page 54 of The Port Authority of New York and New Jersey Contract JFK-410.092 with Harvy Construction Corporation for the International Arrivals Building - Miscellaneous Alterations - Phase I, I hereby certify that such tests and inspections as were necessary or desirable have satisfied me with respect to the Materials, including Extra Materials required to be sold by Harvy Construction Corporation, as contractor under said contract and that, in my opinion, all of the Materials under said contract have been delivered in accordance with the Contract Drawings and Specifications and requirements of the Engineer, and such delivery was so completed on August 1, 1973.

Manager, Plant & Structures
Kennedy International Airport

Dated: 12/3/73
New York, New York

1/2.1

THE PORT OF NEW YORK AUTHORITY

L.L.F.
L.S.H.

JOHN F. KENNEDY INTERNATIONAL AIRPORT

INTERNATIONAL ARRIVAL BUILDING

EXPANSION AND ALTERATION

CONTRACT JFK-410.087
BOOK 2 OF 2

OCTOBER 1971

CONTRACT JFK-410.087 -
JOHN F. KENNEDY INTERNATIONAL AIRPORT -
INTERNATIONAL ARRIVAL BUILDING -
EXPANSION AND ALTERATION

THIS PROPOSAL IS NOT COMPLETE UNLESS BIDDER'S SIGNATURE APPEARS ON BOTH LOCATIONS ON PAGE 11

The telephone number of the undersigned is 212 292 2250 .

Dated, 21 OCTOBER 1971

(Name of corporation or partnership or signature of individual) → V.R.H. CONSTRUCTION CORP

(Signature of corporate officer, partner or agent of individual) → By (*) Robert E. Wintman
SECT. - TREAS.

(Acknowledgment of signature to be taken on proper form on following page)

381 EAST 149TH ST
BRONX N.Y. 10455

NOTICE TO BIDDERS:

Unless the following assurance of irrevocability is also signed, the above Proposal is not responsive to the Authority's invitation to bid.

The foregoing offer shall be irrevocable for 45 days after the date on which The Port of New York Authority opens this Proposal.

(Signature of agent, partner or corporate officer signing above) → Robert E. Wintman

CERTIFICATE OF AUTHORITY, IF BIDDER IS A CORPORATION

I, the undersigned, as Secretary of the corporation submitting the foregoing Proposal, hereby certify that under and pursuant to the by-laws and resolutions of said corporation, each officer who has signed said Proposal on behalf of the corporation, including the foregoing assurance of irrevocability, is fully and completely authorized so to do.

(Corporate Seal)

Robert E. Wintman

(*) If Proposal is signed by an officer or agent, give title and address.