FOI#15746

Johnson Controls, Inc.
100 Lighting Way
Secaucas, NJ 07094
Tel. (201) 325-4100

Johnson Controls

DELIVERED VIA COURIER
Port Authority of New Jersey and New York ("PANJNY")
233 Park Avenue So. 7th Flr,
New York, NY 10003
Attn: Daniel Duffy

January 23, 2015

RE: Request for Documentation
Project: WTC Hub BMS WTC-264.608 (the "Project")
No.: JCI-WTCHUB400
FedEx No.: 867508890945

Gentlemen,

I am writing today to request a complete copy of a document known as "***Proposal Clarification No. 01***" dated July 27th, 2010 which was made a part of JCI's contract for the aforementioned project, but was not completely provided.

JCI has determined that a copy of the 3 page letter was provided by PANJNY and a copy is attached, however the exhibits modified by the letter were never received by the project team as determined in a recent project audit.

Please feel free to call me and discuss the matter, my team has been using the version deleted by the July 27th 2010 additions and we will need to have the correct documents to close out the project.

All documents can be sent via email to me at mike.todd@jci.com or via courier to

Johnson Controls

Mike Todd

60 E 42nd St

29th Floor

New York, NY 10165

01-29-15P04:04 RCVD

Sincerely,

Mike Todd
Regional Installation Manager
Johnson Controls Inc.

CC: Jeff McKinney – JCI Project Executive

THE PORT AUTHORITY OF NY & NJ

100 Broadway, 5th Floor
New York, NY 10005
Ph: 646-556-6700
Fax: 646-556-6747

Date: July 27th, 2010

PROPOSAL CLARIFICATION No. 01

TO PROSPECTIVE PROPOSERS ON CONTRACT WTC 264.608, WORLD TRADE CENTER TRANSPORTATION HUB – BUILDING AUTOMATION & TEMPERATURE CONTROL SYSTEM (BATC) – BP31

BEST AND FINAL PROPOSALS MUST BE RETURNED IN A SEALED ENVELOPE WITH ALL ATTACHMENTS REQUESTED IN THE FORM OF PROPOSAL NO LATER THAN CLOSE OF BUSINESS ON MONDAY AUGUST 9, 2010.

COMPLETE BEST AND FINAL PROPOSALS WILL BE EVALUATED ON THE BASIS OF PRICE AND NO FURTHER MEETINGS OR NEGOTIATIONS WILL BE HELD.

The following changes are hereby made in the Contract Documents for the subject Contract.

This communication should be physically annexed to back cover of the book and initialed by each proposer before submitting his proposal.

In case any proposer fails to conform to these instructions his Proposal will nevertheless be construed as though this communication had been so physically annexed and initialed.

CHANGE IN FORM OF CONTRACT TABLE OF CONTENTS:

Delete current Table of Contents (pages vi thru viii) in its entirety and substitute new Table of Contents (pages vi thru viii), therefor, which is attached hereto and made part hereof.

CHANGES IN THE FORM OF PROPOSAL:

Delete current Form of Proposal (pages 26 thru 33) in its entirety and substitute new Form of Proposal (pages 26 thru 33) with due date of "August 9, 2010 @ Close of Business" therefor, which is attached hereto and made part hereof.

CHANGES IN FORM OF CONTRACT:

CHAPTER II – ADJUSTMENTS AND PAYMENTS

CLAUSE 31 – PROGRESS PAYMENTS

THE PORT AUTHORITY OF NY & NJ

100 Broadway, 5th Floor
New York, NY 10005
Ph: 646-556-6700
Fax: 646-556-6747

Date: July 27th, 2010

Delete current Clause 31 (pages 54 thru 55) in its entirety and substitute new Clause 31 (pages 54 thru 55), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT A:

Delete Attachment A dated 5/4/2010 (pages 1 thru 15) in its entirety and substitute Attachment A dated 7/28/2010 (pages 1 thru 15), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT E:

Delete Attachment E dated 6/7/2010 (pages 1 thru 17) in its entirety and substitute Attachment E dated 7/19/2010 (pages 1 thru 23), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT G:

Add Attachment G dated 7/21/2010 (pages 1), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT I:

Delete Attachment I dated 4/15/2010 (pages 1 thru 32) in its entirety and substitute Attachment I dated 7/1/2010 (pages 1 thru 38), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT J:

Delete Attachment J dated 4/15/2010 (pages 1 thru 38) in its entirety and substitute Attachment J dated 7/1/2010 (pages 1 thru 45), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT M:

Delete Attachment M dated 4/1/2010 (pages 1 thru 7) in its entirety and substitute Attachment M dated 7/1/2010 (pages 1 thru 8), therefor, which is attached hereto and made part hereof.

CHANGES IN ATTACHMENT N:

Delete Attachment N dated 4/1/2010 (page 1) in its entirety and substitute Attachment N dated 7/1/2010 (page 1), therefor, which is attached hereto and made part hereof.

THE PORT AUTHORITY OF NY & NJ

100 Broadway, 5th Floor
New York, NY 10005
Ph: 646-556-6700
Fax: 646-556-6747

Date: July 27th, 2010

CHANGES TO THE PROJECT MANUAL:

Delete current Table of Contents (pages ii thru iv) in its entirety and substitute new Table of Contents (pages ii thru iv), therefor, which is attached hereto and made part hereof.

Delete Exhibit I dated 5/21/2010 (pages 1 thru 52) in its entirety and substitute Exhibit I dated 6/18/2010 (pages 1 thru 52), therefor, which is attached hereto and made part hereof.

Delete Exhibit XIII dated 5/21/2010 (pages 1 thru 19) in its entirety and substitute Exhibit XIII dated 7/16/2010 (pages 1 thru 19), therefor, which is attached hereto and made part hereof.

All other Terms and Conditions shall remain the same.

This communication should be initialed by you and annexed to your proposal upon submission.

In case any proposer fails to conform to these instructions, its proposal will nevertheless be construed as though this communication had been so physically annexed and initialed.

Tony Anzalone
On behalf of

Larry Boresen
Tishman/Turner JV
100 Broadway, 5th Floor
New York, NY 10005

BIDDER'S FIRM NAME: _____
INITIALED: _____
DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO MR. LARRY BORESEN, WHO CAN BE REACHED AT LBORESEN@TCCO.COM.

THE PORT AUTHORITY OF NY & NJ

FOI Administrator

March 26, 2015

Mr. Mike Todd
Johnson Controls, Inc.
100 Lighting Way
Secaucas, NJ 07094

Re: Freedom of Information Reference No. 15746

Dear Mr. Todd:

This is in response to your January 23, 2015 request, which has been processed under the Port Authority's Freedom of Information Code (the "Code", copy enclosed) for a complete copy of a document know as "Proposal Clarification No. 01" dated July 27, 2010 which was made a part of JCI's contract for the WTC Hub BMS WTC-264.608, but was not completely provided.

Material responsive to your request and available under the Code can be found on the Port Authority's website at http://www.panynj.gov/corporate-information/foi/15746-C.pdf. Paper copies of the available records are available upon request.

Pursuant to the Code, certain portions of the material responsive to your request are exempt from disclosure as, among other classifications, security.

Please refer to the above FOI reference number in any future correspondence relating to your request.

Very truly yours,

Daniel D. Duffy
FOI Administrator

Enclosure

4 World Trade Center, 18th Floor
150 Greenwich Street
New York, NY 10006
T: 212 435 3642 F: 212 435 7555

C-11

THE PORT AUTHORITY OF NY & NJ

100 Broadway, 5th Floor
New York, NY 10005
Ph: 646-556-6700
Fax: 646-556-6747

Date: July 27th, 2010

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Ph: 646-556-6700
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Date: July 27th, 2010

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Tony Anzalone
On behalf of

Larry Boresen
Tishman/Turner JV
100 Broadway, 5th Floor
New York, NY 10005

BIDDER'S FIRM NAME: _____
INITIALED: _____
DATE: _____

QUESTIONS CONCERNING THIS ADDENDUM MAY BE ADDRESSED TO MR. LARRY BORESEN, WHO CAN BE REACHED AT LBORESEN@TCCO.COM.

EXHIBIT I - DIVISION I - GENERAL PROVISIONS, DATED 6/18/10

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

To Tishman/Turner, A Joint Venture:

The undersigned[3]

PROPOSER'S NAME:

_____

TYPE OF ENTITY (see Note "3" below):

_____

(hereinafter called, "the Contractor") hereby offers to perform all the obligations and to assume all the duties and liabilities of the Contractor provided for in the annexed Contract on the terms and conditions contained therein, in all Riders referenced therein and all terms and conditions contained in these Instructions to Proposer Sections 1 through 19, at the price set forth in the attached Form of Proposal.

This offer shall be irrevocable for one hundred eighty (180) days after the date on which the Construction Manager opens this Proposal.

To induce the acceptance of this Proposal, the undersigned hereby makes each and every certification, statement, assurance, representation and warranty made by the Contractor in said Contract. Moreover as a condition to receipt and consideration by the Construction Manager of the Proposal whether or not it is accepted, the undersigned agrees that all information of any nature whatsoever, regardless of the form of the communication, received from the undersigned (including its officers, agents, or employees) by the Construction Manager and the Port Authority of New York and New Jersey, its Directors, officers, agents or employees, and notwithstanding any statement therein to the contrary, has not been given in confidence and may be used or disclosed by or on behalf of the Construction Manager or The Port Authority of New York and New Jersey without liability of any kind except as may arise under letters patent of the undersigned, if any.

Unless expressly stated otherwise, the Instructions for Proposers and Form of Proposal, all papers required by it and submitted in connection herewith at any time, said Form of Contract, and all papers made part of the Contract by the terms of the Form of Contract are made part of this Proposal.

---

[3] Insert Proposer's name at the top of the page. After the Proposer's name, insert one of the following phrases:

If a corporation, give state of incorporation, using the phrase, "a corporation organized under the laws of the State of _____."

If a partnership, give full names of partners, using also the phrase, "co-partners doing business under the firm name of _____."

If an individual using a trade name, give individual name, using also the phrase, "an individual doing business under the trade name of _____."

If a joint venture, give the information required above for each participant in the joint venture.

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC) **Name of Proposer** _____
Contract WTC-264.608

Proposal Due Date: **August 09, 2010 @ Close of Business**

In accordance with the Contract Documents listed below and pursuant to the Instructions for Proposers dated May 5, 2010, we submit our Proposal herewith:

Form of Contract, dated 5/5/2010
Attachment A - Scope of Work, dated 7/28/2010
Attachment B - Not Used, not dated
Attachment C – Scope Limit Drawings, dated 5/5/2010
Attachment D – Not Used, not dated
Attachment E - Site Logistics, dated 7/19/2010
Attachment F – Milestones, dated 4/5/2010
Attachment G – Temporary Services for Construction Purposes, dated 7/21/2010
Attachment H – Not Used, not dated
Attachment I - Contract Drawings (Unrestricted), dated 7/1/2010
Attachment J - Contract Drawings (C&P), dated 7/1/2010
Attachment K - Reference Documents (Unrestricted), dated 12/23/2009
Attachment L - Available Documents (Restricted), dated 12/23/2009
Attachment M - Contract Specifications (Unrestricted), dated 7/1/2010
Attachment N - Contract Specifications (C&P), dated 7/1/2010
Exhibit I - Division I Specs - General Provisions, dated 6/18/2010
Exhibit II - WTC Site Rules and Regulations, dated 1/1/2006
Exhibit III - Sales Tax Letter, dated 10/8/2008
Exhibit IV - Information Security Handbook (with NDA, CA), dated 2/9/2009
Exhibit V – Background Qualification Questionnaire, dated 2/9/2010
Exhibit VI - BIM Implementation Plan, dated 2/4/2010
Exhibit VII - MBW/WBE Participation and Equal Opp. Policy, dated 12/17/2008
Exhibit VIII – Other WTC Project Conditions, dated 4/8/2010
Exhibit IX – DRP Safety, Health and Environmental Program, dated 5/3/2010
Exhibit X - NYC Transit Safety Program, dated 9/23/2009
Exhibit XI - WTC Site Security, dated 1/28/2010
Exhibit XII(A) - OCIP Manual, dated 9/30/2009
Exhibit XII(B) - SAR Form, dated 8/30/2009
Exhibit XIII – Payment Procedures, dated 7 /16/2010
Exhibit XIV - Environmental Performance Commitments, dated 2/9/2010
Exhibit XV - PATH Requirements, dated 2/25/2010
Exhibit XVI - Prevailing Rate Schedule, dated 2/13/2010
Exhibit XVII - Contractors Quality Program Requirements, dated 3/11/2010
Exhibit XVIII - WTC Procedures Cranes & Derricks, dated 3/8/2010
Exhibit XIX – Material Engineering Unit Submittals, dated 4/2/2010

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

A. **Lump Sum Proposal**

Perform the following **BUILDING AUTOMATION & TEMPERATURE CONTROL (BATC)** work in strict accordance with the Contract Documents. The amount of the "Total Base Proposal", including any price adjustment resulting from Proposal Addenda, shall be filled in by the Proposer in Clause 17 of the Contract entitled "General Agreement" and such amount shall be defined as the "Lump Sum" for purposes of this Contract. The amount must be given both in figures and in writing; in case of discrepancy the writing shall control. Lump Sum Proposal shall include all items listed in Section F below.

Total Lump Sum Proposal for BATC: $ _____

Total Lump Sum Proposal In Writing: _____

_____

B. **Proposed Value Engineering**

Proposer shall fully describe suggested changes to expedite Project and/or reduce costs. (Reduction in cost shall be indicated and not included in Base Bid). (Attach additional sheets as required). Please include any voluntary alternates on a separate sheet with this proposal.

C. **Schedule**

1. Time required from contract award to start of Field Work: _____/wks
2. Time required from start of field work to Completion: _____/wks

D. **Proposer shall attach the Following Items to Proposal**

1. Project Staff Organizational Chart
2. Proposed Bar Chart Schedule
3. Completed OCIP Enrollment Form 3
4. Completed W/MBE Schedule C
5. EMR for last three years on Insurer's letterhead
6. Completed Section C – Options from Attachment A – Scope of Work

E. **Other Items**

1. Proposed BATC Vendor _____
2. Proposed Electrical Contractor _____
3. Proposed Fire Stopping Subcontractor _____

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

F. Lump Sum Proposal Breakdown

(Note: These quantities and values are required by the CM and Port Authority and are for analysis purposes only. Proposers are responsible to include quantities they deem appropriate. The CM and Port Authority will not be responsible for notifying proposers should quantities differ from the Port Authority's internal estimate.)

	Quantities	Breakout Value
1. BATC Servers		
a. Permanent (MZ-195;TH-011)	_____	$_____
b. Temp (as required)	_____	$_____
2. Data Gathering Panels (DGP's)	_____	$_____
3. Operator Work Stations		
a. MZ-213	_____	$_____
b. MZ-190	_____	$_____
c. BG-001	_____	$_____
4. Two portable operator terminals	_____	$_____
5. Air flow Measuring Stations	_____	$_____
6. Steam Metering	_____	$_____
7. Carbon Dioxide (CO2) Stations	_____	$_____
8. Automatic Control Valves	_____	$_____
9. Differential Pressure Switches/Sensors		
a. Air	_____	$_____
b. Water	_____	$_____
10. Smoke Dampers	_____	$_____
11. Control Dampers	_____	$_____
12. Variable Frequency Drives	_____	$_____
13. Alarm Devices (freezestats, press switches, etc)	_____	$_____
14. Damper Status Devices	_____	$_____
15. Fire Alarm Interfaces	_____	$_____
16. Humidity Sensors	_____	$_____
17. Airhandling Units	_____	$_____
18. Smoke Exhaust Units	_____	$_____
19. Return Fans	_____	$_____
20. One Year Warranty/Maint. Period/Cost	_____	$_____

Note that proposals will be evaluated based on Lump Sum Proposal Amount provided in section 'A' above.

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

G. Options

At the Authority's unilateral and sole discretion the Authority may exercise the following Options for additions and / or deletions to the Scope of Work and shall be inclusive of furnishing and installing of all material, labor, trucking, overhead, profit, escalation, equipment, hoisting, rigging, engineering, scaffolding, power hookups, protection, shop drawings, applicable taxes, applicable insurance, permits, appliances, storage, delivery, tools and field and office supervision. Items covered by these prices shall be furnished in accordance with the Contract Drawings and Contract Specifications. All Terms and Conditions of the Contract shall apply to the below Options except as modified below in the descriptions of the Option. Unless stated otherwise below, all Option pricing is valid only if executed within one hundred eighty (180) days of award and shall be made with no impact to the Contract Milestone Dates. The Authority reserves the right to incorporate any of these options into the Work prior to award.

1. Option # 1: ADD: $ _____

Provide necessary hardware and soft-Ware for a DGP located within and for a typical Retail Space having twenty (20) BATC points. Connections from BATC devices to the Data Gathering Panels (DGP) are by others.

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

SIGNATURE AND CERTIFICATE OF AUTHORITY[3]

Dated, _____, 2010

(Print legal name of entity submitting Proposal) _____

(Signature of authorized agent, partner or corporate officer) By[4] [5] _____

(Print name of authorized agent, partner or corporate officer) _____

(Acknowledgment of signature to be taken on proper form on following page(s))

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 is fully and completely authorized so to do.

(Corporate Seal) _____

3 If bidder is a joint venture, insert signatures as appropriate for one participant of the joint venture on this page and attach and complete an additional signature sheet in the same form as appears on this page for each other participant as required.

4 If Proposal is signed by an officer or agent, give title.

5 NOTE: The foregoing signature shall be deemed to have been provided with full knowledge that the foregoing Proposal, the accompanying Contract booklet, as well as any certification, statement, assurance, representation, warranty, schedule or other document submitted by the bidder with the Proposal will become a part of the records of the Authority and that the Authority will rely in awarding the Contract on the truth and accuracy of such Proposal and each such certification, statement, assurance, representation, warranty and schedule made therein by the Contractor. Knowingly submitting a false statement in connection with any of the foregoing may be the basis for prosecution for offering a false instrument for filing (see, e.g., N.Y. Penal Law, Section 175.30 et seq.).

Form of Proposal
World Trade Center Site – Transportation Hub
New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: **August 09, 2010 @ Close of Business**

ACKNOWLEDGMENT[6]

ACKNOWLEDGMENT OF PROPOSER, IF A CORPORATION

State of _____

_____ SS:

County of _____

On this _____ day of _____, 20 , before me personally came and appeared _____, to me known, who, being by me duly sworn, did depose and say that he resides at _____, that he is the _____ of _____, the corporation described in and which executed the foregoing instrument; that he knows the seal of said corporation; that one of the seals affixed to said instrument is such seal; that it was so affixed by order of the directors of said corporation; and that he signed his name thereto by like order.

(Notary Seal)

_____
(Notary Signature)

ACKNOWLEDGMENT OF PROPOSER, IF A PARTNERSHIP

State of _____

_____ SS:

County of _____

On this _____ day of _____, 20 , before me personally came and appeared _____, to me known and known to me to be one of the members of the firm of _____, described in and who executed the foregoing instrument and he acknowledged to me that he executed the same as and for the act and deed of said firm.

(Notary Seal)

_____
(Notary Signature)

---

6 If proposer is a joint venture, insert signature as appropriate for one participant of the joint venture on this page and attach and complete an additional Acknowledgment sheet in the same form as appears on this page for each other participant as required. Also attach joint venture agreement.

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New York, NY

Trade: Building Automation & Temperature Control (BATC)
Contract WTC-264.608

Name of Proposer _____

Proposal Due Date: August 09, 2010 @ Close of Business

ACKNOWLEDGMENT OF PROPOSER, IF AN INDIVIDUAL

State of _____

_____ SS:

County of _____

On this _____ day of _____, 20 , before me personally came and appeared _____ to me known and known to me to be the person described in and who executed the foregoing instrument and he acknowledged to me that he executed the same.

(Notary Seal)

_____
(Notary Signature)

STATEMENT ACCOMPANYING PROPOSAL[7]

Names and Residences of Officers, If Proposer is a Corporation

Name	Title	Residence[8]

Names and Residences of Partners, If Proposer is a Partnership

Name	General or Limited Partner	Residence[9]

Bidder's Residence, If an Individual

---

7 If proposer is a joint venture, insert signature as appropriate for one participant of the joint venture on this page and attach and complete an additional Statement Accompanying Proposal sheet in the same form as appears on this page for each other participant as required.

8 Give Street and Number of Residence. Do not give business address.

9 Give Street and Number of Residence. Do not give business address.

31. PROGRESS PAYMENTS

The Director shall (upon receipt from the Contractor of such information as he may require, including a certification in writing, in such form as may be required pursuant to the clause hereunder entitled "Prevailing Rate of Wage", that he has paid and caused his subcontractors to pay at least the prevailing rate of wage and supplements required by such clause) estimate and certify to the Authority the approximate amount of Work performed and compensation earned by the Contractor up to that time showing separately:

A. The amount of Work (other than Extra Work) performed by the Contractor up to that time and a sum bearing the same proportion to the Lump Sum as the Work performed (other than Extra Work) bears to the Work performed and to be performed (other than Extra Work).

B. The increases, if any, in the Contractor's compensation for which provision is specifically made elsewhere in this Contract.

The Contractor shall submit to the Construction Manager an acknowledgment of payment to the date of the last payment, the Authority's form of partial waiver and release of liens and claims, as well as a statement of any back charges and credits to which the Authority is entitled, a sworn statement of any claim for charges or extras due to the Contractor (such claim not to be valid unless made at the time and in the manner set forth in this Contract). Provided that the Contractor has submitted all such documentation to the Construction Manager, as an aid to the Contractor and to facilitate his performance, the Authority shall, within thirty days after the receipt of each such monthly certificate, direct Construction Manager, as agent of the Authority, to pay to the Contractor from the Authority's funds by check the sums so certified, minus, however, either ten per cent (10%) of the sum certified pursuant to subparagraph A of this numbered clause or five percent (5%) of the Lump Sum, whichever is less, and minus all prior payments to the Contractor or for his account and minus payments by the Authority to lessors of construction equipment.

Within seven days of receipt of any sum attributable to Work performed by a subcontractor or materialman or within such later period as is provided in the subcontract or purchase agreement, the Contractor shall advance to the subcontractor or materialman said sum, less such amount, if any, as the Contractor is authorized to retain under the subcontract or purchase agreement.

Notwithstanding the above, the Authority shall have the right, at its sole discretion, to directly pay the subcontractors and material suppliers who perform Work for or furnish materials to the Contractor in connection with the Work of this Contract.

Prior to certifying any amount for payment hereunder, the Contractor shall also submit a certification accurately and fully setting forth the total amount due and payable to each subcontractor and supplier for Work performed or materials provided by such subcontractor or supplier in connection with the Work of this Contract as part of its progress payment application. Any payment made by the Authority to a subcontractor or supplier pursuant to the provisions of this numbered clause shall be made in reliance upon such certification and all such payments shall be considered as advances to the Contractor of the compensation payable hereunder. No such payment shall relieve the Contractor of any of its obligations hereunder.

Furthermore, within fifteen (15) days of the Contractor's receipt of the Authority acceptance of the Contractor's Proposal, the Contractor shall submit to the Construction Manager a listing of all subcontract and material supply agreements entered into by the Contractor for the performance of Work required by this Contract. Such listing shall include the names and addresses of each such subcontractor and supplier and the amounts payable under each such agreement. As and when any modifications are made to such agreements or any additional subcontracts or supply agreements are entered into, the Contractor shall inform the Engineer of such and shall indicate the amounts payable thereunder.

Nothing contained herein shall be deemed to create any additional rights in such subcontractors or suppliers or to alter the rights of the Authority as such are set forth in the clause hereof entitled "Withholding of Payments". Contractor acknowledges and agrees that Construction Manager is acting only as agent for the Authority and Construction Manager is not liable to Contractor for payment hereunder.

Contractor shall meet the requirements of Exhibit XIII.

32. RELEASE OF MONIES PREVIOUSLY WITHHELD FROM MONTHLY ADVANCES UPON RENDITION OF A CERTIFICATE OF SUBSTANTIAL COMPLETION

After the rendition of the Certificate of Substantial Completion and with the approval of the Engineer, an amount up to 80% of the total amount of monies withheld from the Contractor's monthly advances in accordance with the preceding clause may be released to the Contractor. If, in the Engineer's judgment, no monies, or less than 80% of the total amount of monies withheld should be released it will be based on, but not limited to, the estimated value of the remaining Work, unresolved claims by subcontractors, the estimate of possible audit adjustments and an assessment of the risks to the Authority in making such a release of monies. This clause does not create a right to such a release of monies or to any specific percentage release, all of which shall remain purely the discretionary decision of the Engineer.

Prior to the release of any amount withheld from the Contractor's monthly advances by the Authority, the Contractor shall submit to the Construction Manager a certification of all unresolved requests for additional compensation including all items in dispute and potential claims which the Contractor had actual knowledge of or by reasonable inspection and inquiry should have known of, to the date of the certification. Any such items not made known to the Authority by inclusion in the certification of additional compensation requests submitted by the Contractor will be deemed to have been released by the Contractor. Notwithstanding the above provisions, before making any release of monies the Engineer may require the Contractor to submit further information for the Engineer's review and analysis, and shall require the Contractor to execute a separate written release of claims as described above in a form acceptable to the Authority.

Nothing contained herein shall be deemed to alter or diminish the rights of the Authority as such are set forth in the clauses hereof entitled "Withholding of Payments", "Final Payment", "Monthly Advances" or under any other clause of this Contract relating to compensation to the Contractor, any release of monies hereunder being purely at the discretion of the Engineer.

Attachment A
Scope of Work
World Trade Center Site – Transportation Hub
New York City, NY

July 28, 2010

Trade: Building Automation & Temperature Control System (BATC)

A. SCOPE OF WORK

Without restricting the generality of work which shall be performed within the Contract Price, it is clearly understood and agreed that the Contractor shall furnish and install all work that is in any way associated with the execution of all specified and related work contained herein in accordance with the Contract Drawings, Specifications, Addenda and all other Contract Attachments, all of which become part of this Contract.

This Scope of Work shall include, but not be limited to, all **BATC SYSTEM** work as represented in the contract that is in any way applicable to and/or pertinent to the WTC Transportation HUB Project.

The Contractor shall be responsible for examining all of the documents that are identified as part of the Contract. All items related to the Contractor's work, and called for in these documents, shall be included in this Contract.

In addition to the above, the Contractor's work shall include, but not be limited to the following items, clarifications and/or qualifications.

I. General Electrical Scope Items

1. The Contractor shall provide all tagging, labeling and identification as follows:

    a) The Contractor shall provide complete submissions of all equipment tags / labels that shall include a scaled sketch indicating the label size, font size and "typical" information that will be represented (including, at a minimum, the type and location of device served, device address, sector and system it is part of, method of attachment of the equipment tag, voltage, amperage, power source and load descriptions).
    b) The Contractor shall provide a complete submission of all panel directories and shall install all such directories prior to energizing panels. All directories shall include typed descriptions only (no handwritten identification will be accepted). In the event that the panels are feeding temporary loads then the Contractor shall be required to install temporary panel directories (and allowed to use handwritten descriptions). Additionally, the Contractor shall be required to replace panel directories, regardless of the cause necessitating such replacements, until such time that formal Authority acceptance is secured.

2. All electrical equipment shall be turned over to Authority in new condition. The Contractor shall be required to perform a final cleaning of all equipment, both inside and out, prior to turnover to the Authority.

    The Contractor shall ensure that their tradesmen do not use markers, pens or any marking tool, to temporarily identify panels, switches, initiating and signaling devices, modules or any device that is part of any electrical system, during the construction process. If temporary identification is needed prior to the completion of permanent identification, the Contractor(s) shall utilize temporary tags and/or labels (i.e. use masking tape, tie-on tags or P-touch label maker, instead of permanently marking the above devices).

Trade: Building Automation & Temperature Control System (BATC)

It shall be the Contractor's responsibility to refurbish all such equipment and devices upon completion of their work prior to the Authority's acceptance. This includes the replacement of all damaged and/or missing doors, hinges, bolts, latching mechanisms, etc. and re-painting, as necessary, to restore such items to their original, new condition to the satisfaction of the Engineer.

3. The Contractor shall provide code-required disconnect switches for all equipment requiring same, including equipment furnished by others.

4. The Contractor shall provide framing, channels, struts, racks, supports, etc., for back boxes, panels, equipment, etc., should partitions or walls not be available for mounting.

5. The Contractor shall furnish and install all fireproofing material for electrical equipment and devices (i.e. pull boxes, etc.) as required by Code and/or the Contract Documents.

6. The Contractor shall provide protection on all conduit-ends terminating in pull-boxes, panels, etc. by utilizing insulated throat connectors and plastic bushings.

7. The work of the Elevator Contractor within the elevator shafts, Elevator Machine Rooms and elevator pits, shall take precedence over the work of this Contract. The Contractor shall coordinate within these areas with the Elevator Contractor and shall be required to work around the installation schedule of the Elevator Contractor. The Contractor has included all costs to perform this work outside of normal working hours as required.

8. The work of the Escalator Contractor within the escalator pits and travel way, shall take precedence over the work of this Contract. The Contractor shall coordinate within these areas with the Escalator Contractor and shall be required to work around the installation schedule of the Escalator Contractor. The Contractor has included all costs to perform this work outside of normal working hours as required.

9. In the event that the Contractor elects to pull cabling before equipment is ready for final terminations, it shall be the Contractor's sole responsibility to protect all exposed "whips" from damage by other trades. In the event that such circuiting gets damaged, regardless of the cause of the damages, it shall be the Contractor's responsibility to remove and replace the damaged cabling at no added cost to the Authority.

10. It is understood that the Contractor shall cooperate fully with all of the Electrical, Elevators/Escalators, Mechanical, Plumbing, Fire Protection and Systems Contractors performing various portions of the work of this project, particularly as it relates to all work at the interface points between the work of this Contract and that of these other Contractors. Accordingly, the Contractor shall coordinate with these Contractors and perform all work items at all such interface points, as required, and ensure that the complete systems are installed, energized and started in a manner that is safe and in accordance with all of the requirements of the Contract Documents.

Additionally it shall not be permissible for any equipment to be energized on this project that in any way affects work of the other Electrical, Elevators/Escalators, Mechanical, Plumbing, Fire

Protection and Systems Contractors without formal written notification from each Contractor and the expressed consent of the Construction Manager.

11. The Contractor shall participate in and support any Controlled Inspections or Special Inspections associated with the work of this Contract, required by the Authority or any other agency claiming jurisdiction.

12. The Contractor shall participate in and support any Equipment Use Permits associated with the work of this Contract, required by the Authority or any other agency claiming jurisdiction.

13. With respect to Exhibit 1 - "General Provisions", Section 21 - "Safety Provisions", Paragraphs 5, 6, and 7 (which are mutually exclusive), the Contractor shall comply with Paragraph 7.

II. Sleeves, Inserts, Hangers and Supports

1. The Contractor shall prepare and formally submit, separate and distinct shop drawings indicating all proposed sleeve locations and any equipment housekeeping pad layouts for the work of this Contract.

2. The Contractor shall formally submit point loading information at all hanger and support locations where items provided under this Contract are attached to the building structure (reinforced concrete slabs, slabs on metal deck and beams) as required by the Authority. Accordingly, the Contractor shall depict on such shop drawing submission, all hanger locations and point loading information in a format that is legible and clear (i.e. this may include a legend with different symbols depicting the various hanger loads accompanied by graphic representation of each symbol at each specific hanger location).

3. The Contractor shall provide vibration isolation components for all equipment furnished under this Contract, including any provisions necessary to accommodate the project seismic requirements.

   Additionally, the Contractor shall include their portion of any jurisdictionally required composite labor crews necessary for the installation of vibration isolation components furnished by others and shall provide all structural support steel ("dunnage") that is located between equipment and vibration isolators furnished under this Contract.

III. Shop Drawing and Design Coordination

1. The Contractor understands the Scope Limits for the work related to the West Bathtub WTC HUB spaces that shall be furnished and installed under the scope of the Contract Agreement between the Authority and **West Bathtub General Contractor.**

   As it relates to the shop drawing and design coordination work of this Contract that relates to work within these Scope Limits, the Contractor shall participate in a process that shall be supervised and

managed by **West Bathtub General Contractor** to coordinate the installation of the work of this Contract with the work of the West Bathtub General Contractor.

Accordingly, the Contractor shall provide all manpower and resources necessary to meet the requirements of this process.

2. The Contractor understands the Scope Limits for the work related to World Trade Center Towers 1 and 4 that is to be furnished and installed by others (both by the Base-Building as well as other non Base-Building Stakeholders) and that such work interfaces closely with the work of this Contract.

   As it relates to the shop drawing and design coordination work of this Contract within these Scope Limits, a level of MEP trade shop drawing coordination has been completed by others between the work of this Contract, that of the Base-Buildings and that of the related non-Base Building Stakeholders. In some instances both sleeves and hanger inserts have been installed for use to accommodate the work of this Contract.

   Attachment XXX dated XX/XX/XX contains the composite coordination drawings that reflect this completed MEP trade coordination work and the provisions that have been provided by others for use by this Contractor within WTC Tower 1.

   Attachment XXX dated XX/XX/XX contains the composite coordination drawings that reflect this completed MEP trade coordination work and the provisions that have been provided by others for use by this Contractor within WTC Tower 4

   As it relates to the shop drawing and design coordination work of this Contract, the Contractor shall consider the work depicted on these composite coordination drawings to be existing conditions that are not subject to change, necessitating that the work of this Contract be routed and installed in such a manner as not to interfere or obstruct in any way with the work represented on these drawings.

   This shall necessitate that the work of this contract be routed in whatever path is necessary to avoid conflicts with the work shown on these documents. There shall be no additional compensation provided to this Contractor for any work associated with such routing.

   Additionally, the Contractor shall participate in the coordination process for all remaining spaces within these projects that contain the work of this Contract and have not been addressed in the coordination drawings indicated above.

3. The Contractor understands the Scope Limits for the work related to World Trade Center Towers 2 and 3 that is to be furnished and installed by others (both by the Base-Building as well as other non-Base-Building Stakeholders) and that such work interfaces closely with the work of this Contract.

Trade: Building Automation & Temperature Control System (BATC)

As it relates to the shop drawing and design coordination work of this Contract within these Scope Limits, the Contractor shall participate in a process that shall be supervised and managed by others working on behalf of each respective Base-Building.

Accordingly, the Contractor shall provide all manpower and resources necessary to meet the requirements of these processes.

4. The Contractor shall interface with the following stakeholder, as indicated on the Contract Drawings and Specifications:

   a. WTC Central Chiller Plant (CCP)

5. As it relates to the shop drawing and design coordination work of this Contract within the HUB East-Bathtub Spaces (that is excluding the work referenced above in WTC Towers 1, 2, 3, 4 and the West Bathtub WTC Hub Spaces), the Contractor shall participate in a process that shall be supervised and managed by the Construction Manager as follows:

   a. It is understood that over and above normal project coordination, the Contractor shall insure the overall compatibility of its systems with all other systems and trades (i.e. architectural, structural, electrical, HVAC, plumbing, fire protection, etc.) to provide a complete working system. The Contractor shall verify the space in which its equipment and materials will be installed to insure that adequate headroom and access for maintenance is provided. Where space conditions appear to be inadequate, the Contractor shall notify the Construction Manager during the coordination process and prior to any installation work. All work shall be installed as high as possible, tight to steel and concrete, in order to provide maximum headroom for future tenants.

   b. An East Bathtub Contractor shall be designated as the lead coordinator, and tasked with preparing large scale comprehensive, coordinated, CADD drawings in conjunction with all other specialty trades, including this Contract, indicating clearances with structural and architectural construction. All other Contractors, including this Contractor, shall overlay their work on these CADD drawings utilizing individual CADD layers in separate and distinct colors to produce final coordinated CADD drawings, clearing all interferences with all adjacent activities and structures.

   c. All drawings and drawing layers shall be created in a format compatible with the Engineer's CADD system.

   d. The Contractor shall coordinate with all trade drawings and specifications (i.e. Systems, HVAC, electrical, BATC, vertical transportation, plumbing, fire protection, structural, etc).

   e. The Contractor shall be responsible for providing its services as defined in the drawing sequence below and shall attend all coordination meetings as scheduled by the Construction Manager. Failure to attend coordination meetings or participating in the coordination process shall not relieve the Contractor for responsibility of coordinating work with other affected trades. Contractor shall be responsible for any and all extras and delays, including those incurred

by other contractors or trades, resulting in the Contractor's failure to coordinate his work or attend coordination meetings.

f. Upon completion of the sheet metal drawings, the East Bathtub Lead Coordinator shall be required to forward the CADD documents to the next trade who shall super-impose its equipment (including pre-purchased equipment) and piping utilizing a different CADD layer and color. The East Bathtub Lead Coordinator shall be tasked with preparing CADD backgrounds in all areas for coordination regardless of the need for sheet metal in that area. In rotation, the Plumbing, Heating and Air Conditioning, Fire Protection, Electrical (to include lighting) and all other trades, as required, including this Contractor, shall super-impose their work on the CADD document using individual layers. Each trade shall have a distinctive CADD layer and color.

g. After the last trade has completed superimposing its work on the CADD document, a meeting will be held at which time all interferences between the various trades and the sequence of installation will be resolved. The East Bathtub Lead Coordinator shall be tasked with providing a color reproducible print of the composite coordination drawings. The resulting changes will be noted on the drawings and all participants, including this Contractor, will sign the marked up coordinated drawing. Any and all overtime necessary for drafting, coordination, meetings, etc., by the Contractor to maintain the project schedule, shall be included.

h. Special attention shall be given to the coordination of all MEP and Systems items that are required to penetrate any of the concrete shear walls. The East Bathtub Lead Coordinator shall be tasked with preparing coordination background drawings indicating in elevation view every shear wall opening. Each trade, including this Contractor, shall be required to superimpose the work of their respective contracts onto these backgrounds in order to validate that the openings as indicated are sufficient to accommodate the coordinated layout requirements. Any changes or deviations to these shear wall openings that become necessary as a result of the coordinated trade layouts must be fully documented and approved by the Engineer prior to implementation. There is the possibility that the shear walls will have already been placed with the openings installed per the West Side HUB Contractor's coordination. This Contractor shall utilize the existing openings.

i. The Contractor shall indicate all seismic restraints and hanging details on the coordination files.

j. It is the Contractor's responsibility to fully attempt resolution to all conflicts prior to submission of its coordination layers.

k. The East Bathtub Lead Coordinator shall be tasked with providing the required amount of color prints and CADD files for distribution to the Construction Manager, the Authority, Engineer and all associated trades, including this Contractor. The signed originals will remain on file at the Construction Manager's office.

l. After submission and approval of the coordination drawings, the Contractor shall transfer to its shop drawings any changes made during coordination meetings. Prior to submission for approval, the shop drawings shall indicate that the shop drawings reflect the result of coordination between all trades and the date of coordination completion.

m. The Contractor shall keep a set of approved shop drawings on site to record any

changes for as-built purposes.

n. Should the Contractor install its work without coordination, and this work interferes with another trade, the Contractor shall be solely responsible for the cost of all changes (both to the work under this Contract and that of other Contracts or trades should they be required to relocate) resulting from installing without coordination. Should there be any interference in the field after coordination; the trades involved will be required to resolve the problem at no cost to the Authority.

o. The Authority will not be responsible for costs incurred from the lack of coordination between the work of this Contract and other Contracts or trades.

6. Additionally, if directed by the Construction Manager, the Contractor shall utilize AutoDesk Building Information Modeling (BIM) and 3D CAD for the purposes of shop drawing development, trade coordination and clash detection. The Contractor's work shall include the following:

a. The Contractor shall prepare coordination drawings utilizing 3D (three dimensional) geometry in digital files with 3D Architectural and Structural background references (the "Model") to be supplied by others, which shall be reviewed and verified for accuracy by this Contractor. It is the responsibility of the Contractor to verify the accuracy of this model with the construction documents.

b. The Contractor shall submit CAD files delivered in a DWG format compatible with Autodesk AutoCAD in order to maintain compatibility with Construction Manager's software. The Contractor shall maintain an installed and licensed version of Autodesk AutoCAD 2010, or later release supported by the Authority. The Contractor shall represent in 3D on these files all work to be installed by the Contractor; including but not limited to: BATC Devices, pathways, pull boxes, risers, offsets, distribution and panel boxes, access right-of-ways, maintenance clearances, access panels, pull boxes, sleeves, thrust blocks, fire/smoke enclosures, supports, seismic components and all other elements including connection locations for work by others.

c. The Contractor is required to utilize Autodesk Navisworks Manage 2010, and maintain an installed and licensed version of this software for the purpose of reading clash detection reports.

IV. BATC Specific Scope Items

1. The Contractor shall provide all **BATC System Work** per the Contract Drawings and Specifications including, but not limited to furnishing and installation of:

a. WTC BATC System Communication Network with optical fiber cabling.
b. Multi-conductor cable, Category 5e and cable
c. DDC Control Panels

Trade: Building Automation & Temperature Control System (BATC)

d. Direct digital controllers – electronic and electric
e. BATC System Ethernet Switches
f. DDC server (primary and back-up), operator workstations, software, terminal LAN, Head-end and system interface equipment
g. Thermostats, air flow measuring devices, flow meters, level controls, interlocks, sensors (e.g. CO2, temperature, humidity, current, etc), probes, flow switches, thermal wells, motor operators/actuators, valves
h. CBRN convenience data jack outlets
i. Connections, software and hardware to allow the BATC SYSTEM to communicate to existing Path SCADA system
j. Communication cabling, conduit, racks and cabinets (with all interior accessories), terminations, terminations hardware, cable management accessories, grounding and bonding. All wiring and conduit, or other raceway, required for BATC shall be in accordance with wiring, conduit and raceway requirements specified on the Electrical General Notes on Contract Drawing E0001 and the applicable Division 16 specification sections for these items. The Contractor shall comply with the Low Smoke, Zero Halogen, cabling requirements for areas subject to NFPA 130 and the prohibition of PVC jacketed or insulated cabling in these areas.
k. OPC software for interface with other system trades.
l. Interface with the following systems which are being provided by others:
    1) WTC HUB Class "C" Fire Alarm System
    2) WTC Monitoring and Access Control (MAC) System
    3) WTC Supervisory Control and Data Acquisition (SCADA) System
    4) PATH Monitoring and Access Control system
    5) Modifications to Existing PATH SCADA System

2. The Contractor shall furnish and install all BATC equipment from a manufacturer included on the approved manufacturer list in the project Specifications Section 15950.

3. The Contractor shall include coordination with the Authority to customize BATC system graphics display, user accounts, access levels, privileges, etc to the Authority's requirements.

4. The Contractor shall provide all electrical power (line-voltage work) related to the BATC SYSTEM including, but not limited to the following qualifications:

    a. Both the normal and emergency line-side feeds up to and including the power panels shall be furnished and installed by others.
    b. All electrical conduit, raceway, sleeve, etc work below and within all foundation concrete will be provided by others.
    c. The Contractor will provide all load-side work related to the BATC SYSTEM distribution commencing from local power panels. Such work shall include, but not be limited to conduit, wire, termination, sub-panels and devices.
    d. The Contractor shall provide all grounding work from the BATC SYSTEM to the building grounding systems.

Trade: Building Automation & Temperature Control System (BATC)

e. Any electrical power related work that is not specifically indicated on the Electrical drawings and is necessary to make the BATC SYSTEM complete and operational in all respects is the sole responsibility of the Contractor. No additional compensation shall be provided for this work.
f. The Contractor shall provide additional UPS power as required to accomplish the specified sequences of operation.

5. The Contractor shall furnish and install all BATC Ethernet Switches, wiring and connections between BATC Ethernet switches and the Communication Patch Panels. Where the BATC Ethernet Network needs to interface with the facility WTC or PATH Networks, this Contractor shall provide this connection.

6. The Contractor shall coordinate with the other Telecommunications Contractors for the use of the shared raceways (installed by others) that this Contractor shall utilize to install portions of the BATC Ethernet Network cabling that are part of this contract.

7. The Contractor is aware that startup, testing and integration of the BATC SYSTEM with all of the other building systems (i.e. Telecommunication, WTC SCADA, Existing PATH SCADA, Fire Alarm, Fire Protection, Security, WTC Monitoring and Access Control, System etc.) shall be performed in phases in a sequence dictated by the overall building equipment startup and commissioning schedule (to be determined).

   In many instances it will be necessary to perform startup and testing of systems and/or components of systems out-of-sequence, prior to completion of surrounding work of the BATC equipment.

   The Contractor shall provide all work as necessary in order to comply with the above.

   Due to the complex nature of these systems and interfaces, this work will not be continuous and will require cooperation with all associated Contractors.

   It is understood by the Contractor that a formal commissioning program for all systems will be employed on this project. All costs, inclusive of project management / technician time, as well as standby labor both during regular working hours and outside of normal working hours, is included. No claims for additional monies due to the number of commissioning meeting, tests, re-tests (regardless of the reason necessitating the re-test), etc. will be accepted.

8. The Contractor shall provide all labor necessary to assist the Contractors utilizing and connected to the BATC SYSTEM in the startup, pre-testing, testing, commissioning and demonstration of the System interfaces with the work of this Contract. In many instances it will become necessary to perform this work outside of normal working hours due to the ongoing construction activities of the other trades occurring during normal work hours. All such work is included at no added cost.

9. The Contractor shall schedule and conduct the testing and demonstration of the BATC SYSTEM as required by all authorities having jurisdiction, and shall perform all testing work outside of normal working hours as required.

10. The Contractor shall provide all control wiring (low-voltage) related work that is in any way connected to the BATC SYSTEM including, but not limited to all controls, monitoring, alarm and interlock wiring. In addition to all control wiring associated with the BATC SYSTEM. The Contractor also includes control wiring (inclusive of all control wiring, monitoring, alarm and interlock wiring) for all 'ancillary/independent' control systems as described elsewhere in this attachment. This requirement is in addition to the line voltage requirements above.

11. BATC System shall include Object Linked Embedding (OLE) software to allow for interface and exchange of data with separate WTC SCADA, PATH SCADA and WTC Monitoring and Access Control systems, as described in the Contract Documents.

12. Each air-handling unit shall be delivered to the jobsite with all controls related work 100% complete on the unit side of a factory installed "controls terminal strip" (which shall be the point of connection into each unit by The Contractor). The Contractor shall provide all controls related work on the building-side of each "controls terminal strip").

13. The Contractor shall provide all labor and material associated with reconnecting all control wiring that is severed due to this split shipment criteria. The supplier of the units will supply the device loose with a coiled wire at the unit controller (controller terminations will be completed by the unit supplier). The BATC Contractor will install the wiring from the controller to the device location, install the device, and make all required terminations at the device (This also applies to devices that are not unit mounted – these devices will be supplied by the unit manufacturer loose and installed by the BATC Contractor). All termination work will be under the direct supervision of the unit manufacturer.

14. The Contractor shall provide a communication interface capable of communicating with all equipment variable frequency drives.

15. The Contractor shall provide all work necessary to provided "seamless" lines of communication between the BATC System and any factory control systems.

16. The Contractor shall furnish all motorized control valves for installation by others. Such control valves shall either be delivered FOB jobsite or to first destination(s) within proximity to the jobsite as directed by the Construction Manager. The Contractor shall coordinate all deliveries directly with the HAC, **Plumbing and Fire Protection** Contractors. The Contractor shall supply a bill of lading for each valve delivery, signed off by the HAC Contractor, to the Construction Manager. The Contractor shall maintain a running log of all turned over material. This log will be made available to the Construction Manager upon request.

17. In addition to the BATC work associated with major building systems (i.e. water system, air systems, etc.), the Contractor shall receive at the project site, handle, **furnish control valves as noted**, and install all controls (both BATC control work and all ancillary control work necessary for a completely operational system), loose shipped manufacturer provided control panels and devices, monitoring, interlock wiring, and alarm devices furnished by others, for installation under this Contract including, but not limited to those specifically related to the following systems:

Trade: Building Automation & Temperature Control System (BATC)

a. Fuel Oil Pumping, Delivery, Filtration/Dewatering, and Leak Detection Systems
b. Water Storage & Distribution Systems
c. Steam PRV Systems
d. Con Ed Steam Metering Systems
e. Chiller Systems (Including Refrigerant Leak Systems)
f. Storm Water Holding and Filtration Systems
g. Condensate Pumping, Cooling, Pre-Heating, and Return Systems
h. Ejector and Sump Pumping Systems
i. Expansion Tank Makeup Pumping Systems
j. Heat Exchanger Valves
k. Domestic Hot Water Systems
l. HVAC Flow Measuring Systems
m. Unit Heater/Fan Coil Unit/Electric Baseboard Systems
n. UREA Emissions Control Systems
o. Packaged A/C Units
p. Plumbing Storm Diverter Box Control Valves (dwg P-0301)
q. Fire Protection Loop Control Valves

The Contractor has reviewed the plumbing, fire protection, electrical and HVAC specifications and design drawings and includes all ancillary control work necessary for all Building systems described in the design documents (including, but not limited to, the systems described above). The Contractor is responsible for all control, alarm, and monitoring work described in the plumbing, fire protection, electrical and HVAC specifications (regardless of whether or not the specification describes the work as by the electrical contractor or the BATC contractor).

18. The Contractor shall perform the field mounting and installation of all BATC devices as specified and required.

19. The Contractor shall provide complete drawings along with technical and field support for the HVAC, Plumbing and Fire Protection Contractors, and shall supervise the installation of related work, including, but not limited to, temperature wells and sockets in pipe lines, companion flanges, reducer fittings for automatic valves, dampers, flow meters, air flow stations and pressure sensors.

    Information regarding the quantity, size and location of such outlets and ports shall be coordinated with the other contractors during the shop drawing and coordination stages of the project, prior to pipe fabrication, so that adequate provisions can be provided into the layouts (i.e. straight run lengths, etc.) for The Contractor's devices.

    The Contractor shall be held accountable for all costs associated with the revision of work completed by others that is the result of the failure to provide all pertinent shop drawing information during the appropriate timeframe.

20. The Contractor shall perform the field layout to locate, mark and tag all BATC device locations onto the work being provided by others (i.e. piping and ductwork).

Trade: Building Automation & Temperature Control System (BATC)

21. The Contractor shall include the worst case scenario with regards to the location of static pressure sensors associated with all ventilation and water systems. There will be no additional costs associated with the final location of these devices. The Engineer will provide final locations once the associated shop drawings are complete.

22. The Contractor includes all control and power wiring for all terminal units (Constant/Variable Volume Boxes and Constant Volume Regulators).

23. The Contractor includes a completely operational gas, nitrous oxide, and carbon monoxide monitoring systems including as many monitor locations as deemed necessary by the monitor manufacturer's recommendations.

24. The Contractor shall provide both power and control wiring to all 2-, 3- and 4-way valves.

25. For all devices marked as 'future' devices, The Contractor includes the associated programmed point within the BATC SYSTEM.

26. The Contractor includes any additional interposing relays necessary for a completely functional fire alarm system over and above the relays specifically indicated to be installed by the Fire Alarm Contractor within the specification.

27. The Contractor shall furnish and install all work related Urea Emissions Control System as detailed below. Note that the core and shell Electrical Contractor will not provide any electrical labor associated with the installation, circuiting (both line voltage and low voltage, power and control), start-up, testing, and commissioning of the urea emissions control system.

    a. Provide the Local 3 Electricians jurisdictional labor associated with the receipt, handling and installation of all related equipment furnished by others, including but not limited to the following:
        1. Air Compressor
        2. Urea Storage Tank
        3. Compressed Air Panel
        4. Urea Metering Panel
        5. SCR Control Panel
        6. Urea Injecting Lance
        7. Mixing Tube
        8. Expansion Bellows
        9. Reactor (including pressure sensors and thermocouples)

    b. Furnish and install all other related items claimed jurisdictionally by the Local 3 Electricians and necessary to make the Urea Emissions Control System complete and operational in all respects, including but not limited to the following:

        1. Catalyst Pressure Sensor Cabling
        2. Post Catalyst Thermo Couple Cabling
        3. Compressed Air Lines

Trade: Building Automation & Temperature Control System (BATC)

4. Engine On/Off Signal, 4-20mA Load Signal, SCR Faults Signal
5. Hangers, Supports, Anchors and Seismic Provisions
6. Labor associated with startup, testing, adjustment and commissioning

28. The Contractor shall develop the BATC graphics and system software well in advance of the equipment startup dates and the completion of the installation of the BATC system backbone and head-end equipment.

29. The Contractor shall provide these additional items/systems, the values of which are included in the Contract Price, as follows:

a. The Contractor shall include an additional six (6) leak detection systems with six (6) sensing points each that may be necessary near or above electrical equipment. These systems are to cover leak detection systems not shown on the design documents. Leak detection systems detailed on the design documents are included in the base contract cost.

b. **Not used.**

c. The Contractor shall include 200 man-hours to cover Con Edison mandated changes to approved and installed steam metering wiring. This is NOT intended to cover the actual costs associated with both power and control wiring associated with the Con Edison steam meter rig, it is only intended to cover costs in the event Con Edison mandates changes to the work after it has been approved and installed. The initial steam meter power and control installation costs are included in the base contract cost.

d. The Contractor shall include 200 man-hours for all necessary wiring and conduit raceways necessary to install all domestic water meter remote readers per the final direction of the NYC DEP and/or Port Authority.

30. The Contractor shall provide a differential pressure sensor for all smoke exhaust fans and all stair pressurization fans.

31. All wiring and conduit, or other raceways, required for BATC shall be in accordance with the wiring, conduit and raceway requirements specified in Contract Documents.

32. All Comm Network patch Panels identified on the Contract Drawings shall be furnished and installed by others. All backbone fiber optic cabling shown on the Contract Drawings shall be furnished by others. All BATC Ethernet switches shown on the Contract Drawings are provided by this Contractor. All wiring and connections between BATC Ethernet switches and the Comm Network Patch Panels are provided by this Contractor. Where the BATC Ethernet network interfaces with the facility WTC or PATH Data Networks, the connections shall be provided by the TeleComm Contract.

33. The Contractor shall coordinate with Telecommunication Contractor for the use of cable trays and

spare communication conduits. In the event that pathway provided by others is not adequate for the operating design criteria and /or manufacturer's recommendations of the cable, cable tray and/or equipment, the Contractor is responsible to provide the appropriate routing/equipment for a fully functioning system. Routing of cable trays and conduits shall be as shown on Contract documents. Requests for variations must be approved by the Engineer. Provide any/all additional conduits/cable trays necessary to complete the pathway and/or not to exceed the fill requirements as detailed in the Contract Documents.

B. WORK NOT IN CONTRACT

1. Telecommunication Infrastructure
2. Vertical Transportation Management System (VTMS)
3. Future CBRN DGP control panel and interface of the future CBRN communication network with communication network fiber patch panel in Communication rooms.
4. Electrical power work:
    a. Both the normal and emergency line-side feeds up to and including the power panels shall be furnished and installed by others.
    b. All electrical conduit, raceway, sleeve, etc. work below and within all foundation concrete shall be provided by others.
    c. All Telecomm grounding and main building grounding shall be provided by others.
5. All Communication Network Patch Panels identified on the Contract Drawings shall be provided by others.
6. All backbone, fiber optic, cabling shown on the Contract Drawings **shown as** provided by others. **Contractor shall provide fiber and cabling for its systems shall and connect to this backbone.**
7. WYC SCADA, PATH SCADA, WTC Monitoring and Access Control (MAC), and Fire alarm Systems shall be provided by others.
8. Payment and Performance Bonds.

Trade: Building Automation & Temperature Control System (BATC)

C. Options:

At the Authority's unilateral and sole discretion the Authority may exercise the following Options for additions and / or deletions to the Scope of Work and shall be inclusive of furnishing and installing of all material, labor, trucking, overhead, profit, escalation, equipment, hoisting, rigging, engineering, scaffolding, power hookups, protection, shop drawings, applicable taxes, applicable insurance, permits, appliances, storage, delivery, tools and field and office supervision. Items covered by these prices shall be furnished in accordance with the Contract Drawings and Contract Specifications. All Terms and Conditions of the Contract shall apply to the below Options except as modified below in the descriptions of the Option. Unless stated otherwise below, all Option pricing is valid only if executed within one hundred eighty (180) days of award and shall be made with no impact to the Contract Milestone Dates. The Authority reserves the right to incorporate any of these options into the Work prior to award.

1. Option # 1: ADD: $_____

Provide necessary hardware and soft-Ware for a Data Gathering Panel (DGP) located within and for a single, typical Retail Space having twenty (20) BATC points. Connections from BATC devices to the DGP are by others.

D. PAYMENT & PERFORMANCE BOND

1. The cost of the Performance Bond and the cost of the Payment Bond are not included in the lump sum. A Performance Bond and a Payment Bond are requirements of the Contract but the costs for the bonds will be reimbursed as per Contract Paragraph 25. Performance Bond and Paragraph 26. Payment Bond.

Attachment E July 19, 2010
Site Logistics
World Trade Center Site – Transportation Hub
New York City, NY

1. These drawings show the entire WTC Site, and the WTC Transportation Hub Work Site limits within it. These drawings show the configuration at street level only. See the following notes, Division 1 General Provisions, and the Contract Drawings for additional requirements related to use of the site, including access to the WTC Transportation Hub above and below ground level.

2. The WTC Transportation Hub Site occupies areas at, above, and below street level. The entire WTC Transportation Hub Site is considered by The Authority to be a single unified site within which a number of separate contractors will be performing work. The work site limits for the separate contractors within the WTC/Hub site shall coincide with the Work Limit lines shown elsewhere on the Contract Drawings. These Work Site limits in some cases overlap, and separate contractors shall be required to share the Work Site. The Authority will adjust the Work Site limits as it may deem necessary to allow access to and through the separate work sites, to each of the several contractors, on a fair and reasonable basis based on the actual needs of the various contractors, as determined solely by the Authority.

3. The work site limits shown and defined on these drawings are those existing at the commencement of the work. The work of this contract is required to be completed in stages. Areas defined as being completed and turned over to the Authority in accordance with requirements defined in the Clause of the Contract entitled "Time for Completion and Damages for Delay" shall thereby and at once become unavailable to the contractor for purposes of access or staging, and the site limits shall be reduced accordingly.

4. The Contractor has visited and carefully examined the premises upon which the Work is being performed and has familiarized itself with the existing conditions and challenges that may affect the execution of its Work. The Contractor's Work is being performed adjacent or in some instances under or within The WTC PATH Station, the MTA #1 and R & W Subway lines located on Church Street and Greenwich Street. Access to the site is restricted via the city streets and gate locations as shown on the attached plans. The Contractor agrees that it will take all necessary steps to avoid damage to new and existing construction, sidewalk sheds, fences, gates, equipment, lighting, signage and the like. This Contractor, at no additional cost, will repair any damage it causes. The Contractor is cautioned that due to the location of this job it may encounter certain areas of special coordination involving traffic congestion, building access, material delivery, site security, etc, all of which may change from time to time. The Contractor acknowledges that delivery routes and times will be dictated and controlled by various governmental agencies and that all adjacent streets, Subway Lines (E, N, R,1), NYS Route 9A (West Street), the WTC Path Station, MTA Transit Center (Dey Street Corridor), and other structures in the WTC site are under construction. Further, the Contractor has considered these hardships with respect to deliveries, loading materials and equipment, and hauling. The Contractor is aware of these conditions and will not attempt to seek and shall not be entitled to additional time or monies for hardships that may arise due to its having to take special measures and precautions regarding same.

5. The Contractor has visited the site, reviewed the Contract Documents with the Construction Manager, and has reviewed with the Construction Manager all areas of access, delivery, and storage needed by the Contractor for the performance of the Work of the Contract (whether defined in the Documents or proposed by the Contractor). The Contractor agrees that such areas are satisfactory

and sufficient for its needs in the prosecution of its Work. Changes to such areas shall not be permitted without the approval of the Construction Manager. Changes to such areas, whether required by the Contractor for the performance of the Work or required by the Construction Manager for coordination with others, shall be the responsibility of the Contractor and shall be performed at no additional cost.

6. For the purposes of complying with the requirements of the Building Code of the City of New York and the Authority, the Contractor shall be required as a condition of the code to file with the NYC Department of Building Cranes and Derricks permits and furnish the Authority and Construction Manager copies of the application and final permits to include required yearly updates and fitness reports. Further, the Contractor will be required to furnish to the Construction Manager information on the position of cranes, derricks, guy lines, etc., along with pertinent loads from the operation of such equipment certified as to the accuracy and location by a Professional Engineer licensed and registered in the State of New York, engaged by the Contractor. The Contractor shall retain and pay for a third party Professional Engineer licensed to practice in the State of New York to certify the assembly and operation of any equipment. See paragraph 7 below.

7. **Contractor's Cranes and Equipment:**
   a. The Contractor shall provide any cranes, derricks or equipment required to perform the Work of the Contract. The placement and use of any crane, hoisting device, or any other moving or fixed equipment whatsoever is subject to review and approval by the Construction Manager and Engineer. In all cases review and approval shall not release the contractor from any of his obligations under this contract.
   b. The contractor shall submit for review and approval by the Construction Manager, plans, sections, details, calculations, and other data as necessary to describe the proposed equipment, the work to be performed by it, the time during which the equipment will occupy the site, and its physical and operational relations to the active PATH Station and NYCT 1 Line and to all other adjacent structures including those that are existing, under construction, or proposed. The submittals shall include but not be limited to the following: equipment data describing the equipment itself; its system of support and other temporary structures required for its safe use in relation to its surroundings; swing radii, boom length and angles, pick-up and disposal points and weights of maximum and typical loads; and other pertinent information including equipment data sheets, load capacities, rating, and current inspection status of the equipment; all as required to demonstrate that the equipment is adequate for the use intended and capable of safely performing the required work. All plans and calculations shall be prepared by and signed and sealed by a Professional Engineer licensed in the State of New York.
   c. The actual use of equipment is subject to review by the Construction Manager. Crane payloads and booms shall not be allowed to traverse over any area occupied by the public or in use by PATH or by NYCT. All picks shall be engineered and shall be submitted for approval. The submittal shall include all information necessary to demonstrate the adequacy of the equipment to perform the work intended, and shall include but not be limited to the following: crane size, capacity, swing radii, boom length, pick up and disposal points of loads, weights of loads, crane rigging up to and including block and hook, and rigging of loads below the hook. For all lifting operations over or within the PATH or NYCT

operational areas, calculations shall demonstrate that the equipment and devices used are adequate for at least one hundred and ten (110%) percent of the actual weight of the load to be lifted; this factor shall be over and above any other equipment de-rating or safety factors included in the equipment; this requirement shall apply regardless of whether the PATH Station or the NYCT 1 Line is then in operation or has been rendered inactive due to an outage, shutdown, or General Order (GO). All plans and calculations shall be prepared by and signed and sealed by a Professional Engineer licensed in the State of New York.

d. In cases where an area of the site normally in public operation, including those within the PATH railroad, is placed out of service and is used by the contractor to perform the work, the contractor shall plan and execute the work in such manner that when placed back in service the area has been left in a condition at least as safe as before taken out of service. For this purpose the contractor shall cease operations sufficiently early to be able to secure and safe-off all the work adequately. The contractor shall submit to the Construction Manager for review and approval work sequences and timelines, construction plans, and associated engineering calculations signed and sealed by a Professional Engineer licensed in the State of New York, demonstrating the safety of the work in its planned condition at the time when the area is returned to service.
e. The Contractor shall progress the work in an orderly manner in accordance with the conditions of the Contract and applicable codes.
f. The Contractor shall isolate the work areas in a safe manner in accordance with the limits set forth in the Contract so as to maintain other site activities and pedestrian and vehicular traffic flows.
g. Street and lane closures and any work related to delivery, movement and handling of materials and equipment on the streets, roads and public ways around the site shall conform to requirements specified in the Contract either directly or by reference to applicable codes, regulations, and procedures.
h. The use and operation of all cranes and equipment shall conform to the requirements of the New York City Department of Buildings as if the Authority were a private entity. Refer to the requirements of Exhibit XVIII. The Construction Manager reserves the right to have any equipment periodically inspected by an independent inspector. The Contractor shall implement any corrections found to be required by that inspector. Corrections must be made within three days of receiving the written report of that inspector. The Construction Manager does not assume any responsibility for the safe installation, maintenance or operation of the equipment by exercising this right. The Contractor shall cooperate with the inspector by allowing time for inspection. The Contractor will have all equipment inspected as required by City, State and Federal, regulations or agencies having jurisdiction. Copies of all inspection reports and certifications must be transmitted to the Construction Manager and to the Authority as outlined in Exhibit XVIII upon receipt from the inspector.

8. The Contractor is aware of the requirements of the Department of Transportation's Bureau of Traffic, the Port Authority of New York and New Jersey, New York State Department of Transportation, and the other agencies having jurisdiction over regulating restricted vehicle lengths, weights and dimensions and times of operation in the geographical area in which the Project is situated. In addition, the Contractor's logistics plan must be in conformance with the Construction Manager's requirements and must be approved by the Mayor's Office of Construction, Mitigation,

and Coordination (OCMC). The Contractor agrees there shall be no additional costs as a result of these restrictions.

9. The Contractor shall coordinate all deliveries with the Construction Manager and the Authority's Office of Program Logistics providing a two week advance notice of all deliveries. The Contractor shall provide all materials and labor necessary to control vehicular and pedestrian traffic and protect the public and the property from the potential hazards of its operations during delivery and hoisting (temporary protection, flagman, barricades, cones, etc). The costs of any special police details or special assistance, if required, shall be included in the Contract Price.

10. The Contractor shall provide off-hour (premium time) deliveries if required. The Contractor shall schedule all off-hours deliveries with the Construction Manager and shall be responsible for all Standby costs incurred during the off-hours deliveries.

11. There is no on-site parking permitted inside of the WTC construction site fence. Construction workers are not permitted to park on the site or on streets in the adjacent neighborhood. These areas will be spot checked to ensure workers are complying with this policy. Violators shall be discharged from employment on the site at the discretion of the Construction Manager and Authority. The Contractor shall provide a plan for parking and transportation of its personnel including, at a minimum, the requirement that workers utilize public mass transit, or that the Contractor provided shuttle bus service.

12. The configuration, locations, size, and number of WTC Site Roads and Gates as shown on the attached plans are not, and shall not be considered as, fixed or permanent but shall be changed, as needed to accommodate the work at the WTC site. The Contractor shall not block, or impede the ability of others to use, the WTC Site Roads and Gates.

13. Greenwich Street (the top of the 1 subway structure) will not be available as a staging area for deliveries, trucking, hauling or equipment placement.

14. The Contractor shall provide its own means of reaching its work unless specifically called out to the contrary in the Scope of Work including, but not limited to, engineering, permits, rentals, maintenance, for scaffolding, man-lifts, ladders, platforms, etc.

15. **On-Site Placement of Equipment and Materials:**
    a. The Contractor will be required to provide logistic plans showing the location of all equipment and intended storage. The Contractor must take special care in placing its material and equipment on site to allow other contractors free access to their work. The Contractor shall at no time impede the work of others.
    b. The Contractor must take special care in placing its material and equipment on site so as not to overload the building or the adjacent areas. The Contractor is aware of the limited structural capacities of existing slab areas to be used for its equipment and material storage and shall not exceed rated capacities without taking appropriate steps to compensate for the imposition of any construction loads which may exceed the design criteria of the new structure or the capacity of the existing roadways, sidewalks and curbs. The Contractor shall

submit detailed loading plans indicating material loading layouts, weights, stacking heights, and other pertinent information for review and approval by the Construction Manager and the Engineer or Record.

c. The Contractor shall provide any modification to the building structure or adjacent areas as required to support the Contractor's materials and equipment including, but not limited to, furnishing, installing and removing temporary foundations, reinforcement, shoring, bracing, protection, and design by a Professional Engineer licensed and registered in the State of New York.
d. All loads imposed on the structure or the adjacent areas must be reviewed by the Engineer.
e. The Contractor shall modify any temporary structures required to support the Contractor's equipment or materials so as to avoid interference with the work of others as the job progresses as directed by the Construction Manager. The Contractor may be required to submit to other city agencies (such as the MTA or NYC DOT) as directed by the Construction Manager.
f. The Contractor will be responsible for any and all off-site storage or staging areas that may be required due to limited site access.
g. No material shall be stored outside of the construction fence.
h. Any relocation or adjustments to Vesey, Church and Liberty Street fence line in order to accommodate Contractor's equipment or staging must have prior approval by the Authority and NYC DOT.
i. Space for the delivery and storage of material and equipment is extremely limited at the site and will be permitted only to the extent it is approved in advance by the Construction Manager. In addition, facilities for storage at the site will be limited and it shall be the Contractor's responsibility to make whatever arrangements may be necessary for offsite storage to insure proper material availability for maintaining of job progress.
j. If the Contractor fails to relocate any materials or equipment in violation of the above terms within 24 hours after notification by the Construction Manager, the Construction Manager will perform such relocation and/or removals with its own forces and charge the Contractor the costs of such relocation.

16. **Material & Personnel Hoists:**
    a. Unless specifically stated in the Scope there will be no mechanical means of vertical transportation provided for the Project (for either men or materials). The Contractor's workforces shall be required to walk to their respective work areas and the Contractor shall provide whatever means are necessary to rig, hoist and distribute equipment and materials as required.
    b. At a future time when specifically stated in the Scope, combined material/personnel hoists will be made available for use by all Contractors on the site.
        i. Hoisting for personnel will be operable during the following hours without charge:
            - Monday thru Friday: 6:00 AM – 6:00 PM
            - Saturday: 6:00 AM – 6:00 PM
            - Sunday: No hoisting
        ii. Hoisting for materials will be operable during the following hours:
            - Monday thru Friday: 8:00 AM – 11:30 AM and 1:00 PM – 3:30 PM
            - Saturday: 6:00 AM – 6:00 PM

- Sunday: No hoisting

c. All hoisting and hoisting requirements for the Contractor's materials and equipment are the Contractor's responsibility. Should the Contractor choose to use the material hoisting services made available by the Construction Manager above, the hoist will be made available providing proper booking procedures are followed.
d. Should the Contractor require the use of the hoists outside of the hours above (before 6:00 AM and after 6:00 PM Monday through Saturday, or on Sunday) the Contractor shall be charged their pro-rated share of the standby and labor costs necessary to operate the hoists.
e. The distribution of labor and materials beyond the levels serviced by the hoist complex shall be the sole responsibility of the Contractor.
f. For material and equipment hoisting the Contractor must schedule and reserve use of the hoist with the Construction Manager in advance of the time of the requested. Hoisting shall be made available on a first come, first serve basis. If the Contractor reserves the hoist but does not use the hoist, the rental charges will apply.
g. Any attempts to deliver material without a reservation number will be denied.
h. The Contractor acknowledges that there will be hoist outages from time to time, resulting from safety concerns, weather, breakdowns, maintenance, repairs, coordination, and the like. No extensions of time will be permitted for such outages. The Contractor shall reschedule deliveries as required to suit these outages and includes all costs for same.
i. The details for the hoists are described below:
    i. 7,000lb capacity
    ii. Maximum speed 200 fpm
    iii. Cars have both front and rear doors
    iv. Clear dimensions are 4'-9" wide, 13'-6" long, 7'-2" high
    v. Levels serviced: 237', 254', 274', 296', Ground

17. **The Cranes of Other Contractors:**
    a. All hoisting and hoisting requirements for the Contractor's materials and equipment are the Contractor's responsibility. Should the Contractor require the use of, or choose to use, another contractor's crane, the following procedures shall be followed:
        i. Within four weeks of award the Contractor shall provide a comprehensive schedule of picks indicating the quantity, purpose, weight, location and schedule for each.
        ii. The Contractor shall reserve picks a minimum of 72 hours prior to the required pick time. The Contractor will be charged for additional costs should the actual hoisting period exceed the projected hoisting period.
        iii. The Contractor shall schedule all crane picks with the Construction Manager. The Contractor acknowledges that the use of the cranes is for the structural trades which will take precedence over the Contractor's use. Therefore, the Contractor shall assume that the only pick time that will be available shall occur outside of normal work hours. Accordingly, all associated costs for manpower and the appropriate crane rental rates are included in the Contract Price.
        iv. The following rental charges shall apply and shall be paid by the Contractor. The rental charges described include the equipment and its operating personnel only. All other labor shall be provided by the Contractor:

- Straight-Time: $1,750/pick
- Overtime: $2,250/pick
- 7½-hour Saturday: $21,000/day (7am to 3pm)
- 7½-hour Sunday: $21,000/day (7am to 3pm)

v. One (1) pick is defined as the shorter of the following durations: [1] 30 minutes, [2] the time required to connect to the Contractor's rigged material, hoist the material into place, and unhook from the Contractor's rigged material. Therefore, any single pick that requires more than 30 minutes shall be figured as multiple picks (e/g: a 45-minute pick on straight-time will costs 2x$1,750 = $3,500).

vi. The weekend daily rates are fixed non-pro-ratable rates that will be charged regardless of the quantity of picks and duration of time that the crane is in use.

18. **Site Logistics Plans:**

a. The Site Logistics plans are conceptual in nature and are intended to depict possible means, methods, equipment and access/egress ways during the various phases of the project. The plans do not depict all required activities for any given phase and do not show the work of all of the subcontractors on the site at any given time.

b. All information shown is subject to change including the dates of the Phases, the number of contractors on site and types and locations of equipment and access/egress required or provided.

c. The following Transit Hall Site Access & Staging Plans are hereby made a part of the Contract:

i.	WTC Site Plan	6/7/10
ii.	Q2 & Q3 2010	6/7/10
iii.	Q4 2010	6/7/10
iv.	Q1 2011	6/7/10
v.	Q2 2011	6/7/10
vi.	Q3 2011	6/7/10
vii.	Q4 2011	6/7/10
viii.	Q1 2012	6/7/10
ix.	Q2 2012	6/7/10
x.	Q3 2012	6/7/10

d. The following Transit Hall Fit-Out Logistics Plans are hereby made a part of the Contract:

i.	Structure thru 274'	7/19/10
ii.	237' to 242'	7/19/10
iii.	254'	7/19/10
iv.	274'	7/19/10
v.	296'	7/19/10
vi.	Street Level	7/19/10

Attachment G
Temporary Services For Construction Purposes
World Trade Center Site – Transportation Hub
New York City, NY

July 21, 2010

Trade: Building Automation & Temperature Control System (BATC)

All temporary services required to perform the work of the Contract shall be provided by others.

Attachment I
Drawings (UNRESTRICTED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
ALL	**GENERAL**	
G1001	PROJECT LOCATION AND SITE PLAN	7/1/10
G2001	INDEX OF DRAWINGS VOLUME 1	7/1/10
G2002	INDEX OF DRAWINGS VOLUME 2	7/1/10
G2003	INDEX OF DRAWINGS VOLUME 3	4/1/10
G2004	INDEX OF DRAWINGS VOLUME 4	7/1/10
G2005	INDEX OF DRAWINGS VOLUME 5	7/1/10
G2006	INDEX OF DRAWINGS VOLUME 6	7/1/10
G2007	INDEX OF DRAWINGS VOLUME 7	7/1/10
G3001	GENERAL NOTES	10/9/09
G3011	GENERAL SITE PLAN CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
G3012	GENERAL SITE PLAN INVERT CAR PARKING LEVEL EL. 242'/ 237'	10/9/09
G3013	GENERAL SITE PLAN PLATFORM/BUS PARKING LEVEL EL. 250'/ 254'	10/9/09
G3014	GENERAL SITE PLAN MEZZANINE LEVEL EL. 266'	10/9/09
G3015	GENERAL SITE PLAN TRANSIT HALL LEVEL EL. 274'	10/9/09
G3016	GENERAL SITE PLAN DEY STREET/ WEST STREET CONCOURSE LEVEL EL. 284'/EL. 285'	10/9/09
G3017	GENERAL SITE PLAN UPPER TRANSIT HALL LEVEL EL. 296'	10/9/09
G3018	GENERAL SITE PLAN PARTIAL UPPER TRANSIT HALL LEVEL PLAN EL. 306'	10/9/09
G3019	GENERAL SITE PLAN GROUND LEVEL PLAN EL. 326'	10/9/09
VOL 1	**ARCHITECTURAL**	
A0001	ARCHITECTURAL GENERAL NOTES	4/1/10
A0002	ARCHITECTURAL ABBREVIATIONS, LEGEND, AND DRAWING CONVENTIONS	12/23/09
	OVERALL PLANS 1"=40'-0"	
A0111	SECTOR PLAN CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
A0112	SECTOR PLAN INVERT/ CAR PARKING LEVEL EL. 242'/237'	10/9/09
A0113	SECTOR PLAN PLATFORM LEVEL EL. 250'	10/9/09
A0114	SECTOR PLAN MEZZANINE LEVEL EL. 266'	10/9/09
A0115	SECTOR PLAN TRANSIT HALL LEVEL EL. 274'	10/9/09
A0116	SECTOR PLAN DEY STREET / WEST STREET CONCOURSE LEVEL EL. 284' / EL. 285'	10/9/09
A0117	SECTOR PLAN UPPER TRANSIT HALL LEVEL EL. 296'	10/9/09
A0118	SECTOR PLAN PARTIAL UPPER TRANSIT HALL/ SUB GRADE LEVEL PLAN EL. 306'	10/9/09
A0119	SECTOR PLAN GROUND LEVEL PLAN	10/9/09
	SECTIONS - OVERALL	
A3001	OVERALL EAST WEST SECTION AT M, W AND B0	10/9/09
A3002	OVERALL TRANSIT HALL CROSS SECTION AND PATH HALL CROSS SECTION	10/9/09
	SECTIONS - TRANSIT HALL AND EAST CONCOURSE	
A3101	PARTIAL SECTIONS TRANSIT HALL LONGITUDINAL SECTION @ AXIS W	10/9/09
A3103	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION @ AXIS 0 & 0A	10/9/09
A3104	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION @ AXIS 8 & 8A	10/9/09
A3105	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION @ AXIS 13 & 14	10/9/09
A3111	PARTIAL SECTIONS TRANSIT HALL LONGITUDINAL SECTION @ AXIS W, WEST	4/1/10
A3112	PARTIAL SECTION TRANSIT HALL LONGITUDINAL SECTION @ AXIS W, EAST	4/1/10
A3114	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION @ AXIS 0 + 0A	10/9/09
A3118	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION @ AXIS +8 +8A	10/9/09
A3122	PARTIAL SECTIONS TRANSIT HALL CROSS SECTION AT AXIS +13 +14	10/9/09
A3132	TRANSIT HALL TYPICAL PARTIAL ELEVATION AND SECTION	6/10/10
A3141	NORTH/SOUTH CONCOURSE TYPICAL PARTIAL ELEVATIONS & SECTIONS	2/1/10
A3142	NORTH SOUTH CONCOURSE TYPICAL PARTIAL ELEVATIONS AND SECTIONS AT T3 ENTRY	7/1/10
A3181	ABOVE GRADE MEP SUPPORT SPACE SECTION TOWER 3	10/9/09
A3182	TOWER 2 AND TOWER 3 HUB SUPPORT SPACE SECTIONS	7/1/10
	SECTIONS - PLATFORMS	
A3402	TYPICAL SECTIONS THROUGH PLATFORMS A ,B, C AND D	10/9/09
	SECTION - PATH HALL	
A3458	PATH HALL NORTH SOUTH SECTION AT D35	10/9/09
A3461	PATH HALL NORTH SOUTH SECTION AT D42	6/10/10
A3481	PATH HALL EAST WEST SECTION AT M	10/9/09

Drawing	Title	Latest Date
A3482	PATH HALL SECTIONS	10/9/09
A3483	PATH HALL SECTIONS	10/9/09
	SECTION - WEST STREET CONCOURSE	
A3551	LONGITUDINAL SECTIONS AT AXIS B0 LOOKING NORTH	10/9/09
A3552	WEST STREET CONCOURSE PARTIAL RETAIL ELEVATION AND SECTION	10/9/09
	PUBLIC SPACE INTERIOR ELEVATIONS - TRANSIT HALL AND EAST CONCOURSES	
A4005	TRANSIT HALL INTERIOR ELEVATIONS AT NORTH	10/9/09
A4006	TRANSIT HALL INTERIOR ELEVATIONS AT SOUTH	10/9/09
A4007	TRANSIT HALL INTERIOR ELEVATIONS WITH PORTAL LEGS AT SOUTH	6/10/10
A4008	TRANSIT HALL INTERIOR ELEVATIONS WITH PORTAL LEGS AT NORTH	6/10/10
A4009	TRANSIT HALL INTERIOR ELEVATIONS AT NORTH TRANSEPT	6/10/10
A4010	TRANSIT HALL INTERIOR ELEVATIONS AT SOUTH TRANSEPT	6/10/10
A4011	TRANSIT HALL INTERIOR ELEVATIONS	6/10/10
A4012	TRANSIT HALL INTERIOR ELEVATIONS AT WEST END	6/10/10
A4013	TRANSIT HALL INTERIOR ELEVATIONS AT SOUTHWEST END AND EAST END	10/9/09
A4021	SOUTH CONCOURSE INTERIOR ELEVATIONS AT TOWER 3 TRANSIT HALL LEVEL	6/10/10
A4023	SOUTH CONCOURSE INTERIOR ELEVATIONS AT TOWER 3 TRANSIT HALL LEVEL	4/1/10
A4024	SOUTH CONCOURSE STOREFRONT ELEVATIONS AT TOWER 3 UPPER TRANSIT HALL EL. 295'-3"	6/10/10
A4025	UPPER TRANSIT HALL INTERIOR ELEVATIONS AT CORTLANDT UPPER TRANSIT HALL	7/1/10
A4027	SOUTH CONCOURSE STOREFRONT ELEVATIONS AT TOWER 4	2/1/10
A4028	TRANSIT HALL RETAIL STOREFRONT ELEVATIONS AT NORTH WEST END EL.274', EL. 295'-3" AND EL.306'	10/9/09
	PUBLIC SPACE INTERIOR ELEVATIONS - PLATFORMS	
A4101	NORTH PLATFORM LEVEL ELEVATIONS EL 250'-3" 1 OF 3	6/10/10
A4102	NORTH PLATFORM LEVEL ELEVATIONS EL 250'-3" 2 OF 3	6/10/10
A4103	NORTH PLATFORM LEVEL ELEVATIONS EL 250'-3" 3 OF 3	6/10/10
A4106	SOUTH PLATFORM LEVEL ELEVATIONS EL 250'-3" 1 OF 2	7/1/10
A4107	SOUTH PLATFORM LEVEL ELEVATIONS EL 250'-3" 2 OF 2	7/1/10
A4108	NORTH END AND SOUTH END PLATFORM ELEVATIONS EL 250'-3"	10/9/09
A4110	PLATFORM INTERIOR ELEVATION AT PLATFORM A INTERIOR OF SMOKE BAFFLE	10/9/09
A4111	PLATFORM INTERIOR ELEVATION AT PLATFORM A INTERIOR OF SMOKE BAFFLE	10/9/09
A4112	PLATFORM INTERIOR ELEVATION AT PLATFORM A INTERIOR OF SMOKE BAFFLE	10/9/09
A4113	PLATFORM INTERIOR ELEVATION AT PLATFORM B INTERIOR OF SMOKE BAFFLE	10/9/09
A4114	PLATFORM INTERIOR ELEVATION AT PLATFORM B INTERIOR OF SMOKE BAFFLE	10/9/09
A4115	PLATFORM INTERIOR ELEVATION AT PLATFORM B INTERIOR OF SMOKE BAFFLE	10/9/09
A4116	PLATFORM INTERIOR ELEVATION AT PLATFORM C INTERIOR OF SMOKE BAFFLE	10/9/09
A4117	PLATFORM INTERIOR ELEVATION AT PLATFORM C INTERIOR OF SMOKE BAFFLE	10/9/09
A4118	PLATFORM INTERIOR ELEVATION AT PLATFORM C INTERIOR OF SMOKE BAFFLE	10/9/09
A4119	PLATFORM INTERIOR ELEVATION AT PLATFORM D INTERIOR OF SMOKE BAFFLE	10/9/09
A4120	PLATFORM INTERIOR ELEVATION AT PLATFORM A EXTERIOR OF SMOKE BAFFLE	10/9/09
A4121	PLATFORM INTERIOR ELEVATION AT PLATFORM A EXTERIOR OF SMOKE BAFFLE	10/9/09
A4123	PLATFORM INTERIOR ELEVATION AT PLATFORM B EXTERIOR OF SMOKE BAFFLE	10/9/09
A4124	PLATFORM INTERIOR ELEVATION AT PLATFORM B EXTERIOR OF SMOKE BAFFLE	10/9/09
A4126	PLATFORM INTERIOR ELEVATION AT PLATFORM C EXTERIOR OF SMOKE BAFFLE	10/9/09
A4127	PLATFORM INTERIOR ELEVATION AT PLATFORM C EXTERIOR OF SMOKE BAFFLE	10/9/09
A4129	PLATFORM INTERIOR ELEVATION AT PLATFORM D EXTERIOR OF SMOKE BAFFLE	10/9/09
A4130	PLATFORM INTERIOR ELEVATION AT PLATFORM D EXTERIOR OF SMOKE BAFFLE	10/9/09
A4131	PLATFORM INTERIOR ELEVATION AT PLATFORM A MOSAIC MURAL PANELS	12/23/09
	PUBLIC SPACE INTERIOR ELEVATIONS - PATH HALL	
A4151	PATH HALL INTERIOR ELEVATION AT WEST WALL	10/9/09
A4152	PATH HALL INTERIOR ELEVATION AT WEST WALL	11/16/09
A4153	PATH HALL INTERIOR ELEVATION AT WEST WALL	12/23/09
A4154	PATH HALL INTERIOR ELEVATION AT WEST WALL	10/9/09
A4155	PATH HALL INTERIOR RETAIL ELEVATIONS	10/9/09
A4156	PATH HALL INTERIOR SOUTH ELEVATION AT AXIS A0	10/9/09
A4157	PATH HALL INTERIOR ELEVATION NORTH AND SOUTH AT GRAND STAIR	10/9/09
A4158	PATH HALL INTERIOR ELEVATIONS AT FARE CONTROL	12/23/09
A4159	PATH HALL INTERIOR ELEVATIONS	12/23/09
	PUBLIC SPACE INTERIOR ELEVATIONS - WEST STREET CONCOURSE, 9A UNDERPASS	
A4181	WEST STREET CONCOURSE STOREFRONT ELEVATION NORTH EL.266'	10/9/09

Drawing	Title	Latest Date
A4182	WEST STREET CONCOURSE INTERIOR ELEVATION NORTH EL.266'	12/23/09
A4183	WEST STREET CONCOURSE INTERIOR ELEVATION NORTH EXIT EL. 266'	12/23/09
A4184	WEST STREET CONCOURSE INTERIOR ELEVATION NORTH EL.284'	10/9/09
A4191	WEST STREET CONCOURSE INTERIOR ELEVATION SOUTH EL.266'	10/9/09
A4192	WEST STREET CONCOURSE INTERIOR ELEVATION SOUTH AND 9A UNDERPASS ELEVATIONS EL.266'	12/23/09
A4193	WEST STREET CONCOURSE INTERIOR ELEVATIONS AT ELEVATOR 11 EL. 266' AND EL. 284'	10/9/09
	BOH INTERIOR ELEVATIONS	
	INTERIOR ELEVATIONS - CENTRAL FAN PLANT AND CAR PARKING LEVELS	
A4201	HUB SUPPORT ROOM ELEVATIONS CAR PARKING LEVEL EL. 237' TOWER 2	10/9/09
A4202	HUB SUPPORT ROOM ELEVATIONS CAR PARKING LEVEL EL. 237' TOWER 2 AND TOWER 3	10/9/09
	INTERIOR ELEVATIONS - BUS PARKING LEVELS	
A4241	HUB SUPPORT ROOM ELEVATIONS BUS PARKING LEVEL EL. 254'	10/9/09
A4242	HUB SUPPORT ROOM ELEVATIONS BUS PARKING LEVEL EL. 254'	10/9/09
A4243	HUB SUPPORT ROOM ELEVATIONS BUS PARKING LEVEL EL. 254'	10/9/09
A4252	HUB SUPPORT ROOM ELEVATIONS BUS PARKING LEVEL EL.254' TOWER 3	10/9/09
	INTERIOR ELEVATIONS - TRANSIT HALL LEVEL	
A4281	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL LEVEL EL. 274' TOWER 2	10/9/09
A4282	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL LEVEL EL. 274' TOWER 2	10/9/09
A4283	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL LEVEL EL. 274'	10/9/09
A4284	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL EL. 274'	10/9/09
A4285	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL EL. 274'	10/9/09
	INTERIOR ELEVATIONS - UPPER TRANSIT HALL LEVEL	
A4321	HUB SUPPORT ROOM ELEVATIONS TRANSIT HALL LEVEL EL. 296'	10/9/09
A4322	HUB SUPPORT ROOM ELEVATIONS UPPER TRANSIT HALL EL. 296'	10/9/09
	INTERIOR ELEVATIONS - ABOVE GRADE MEP LEVEL	
A4361	HUB SUPPORT ROOM ELEVATIONS TOWER 3 MEP LEVEL EL. 386' AND 404'	10/9/09
A4422	JANITOR'S CLOSETS PLANS AND ELEVATIONS	7/1/10
A4423	STATION LOCKER ROOM PLAN AND ELEVATIONS	10/9/09
A4424	STATION LOCKER ROOM, BREAK ROOM, AND DETAILS AND ELEVATIONS	12/23/09
A4430	PATH HALL WOMEN'S TOILET PLANS AND ELEVATIONS	11/16/09
A4431	PATH HALL MEN'S TOILET PLANS AND ELEVATIONS	10/9/09
A4432	PARTIAL SECTIONS PATH HALL WALL SECTIONS @ TOILETS	6/10/10
A4433	DETAILS PATH HALL TYPICAL TOILET DETAILS	12/23/09
A4434	DETAILS PATH HALL TYPICAL TOILET DETAILS	10/9/09
A4435	PATH HALL TOILET STALL PLANS AND ELEVATIONS	10/9/09
	INTERIOR ELEVATIONS - WEST STREET CONCOURSE AND 9A UNDERPASS	
A4443	WEST STREET CONCOURSE SUPPORT ROOM ELEVATIONS	10/9/09
	WALL SECTIONS AND DETAILS	
	PUBLIC SPACE WALL SECTIONS - TRANSIT HALL AND EAST CONCOURSES	
A4602	PARTIAL SECTIONS TRANSIT HALL WALL SECTIONS @ NORTH TRANSEPT	10/9/09
A4603	PARTIAL SECTIONS TRANSIT HALL INTERIOR RETAIL SECTIONS AT NORTH WEST END	10/9/09
A4605	PARTIAL SECTIONS TRANSIT HALL WALL SECTIONS @ WEST END ARCH	10/9/09
A4607	PARTIAL SECTIONS TRANSIT HALL WALL SECTIONS @ SOUTHEAST END	10/9/09
A4608	PARTIAL SECTIONS TRANSIT HALL WALL SECTIONS AT EAST END ARCH	10/9/09
A4610	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4612	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4613	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4615	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4616	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4617	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4618	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4619	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4620	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4621	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4622	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4623	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09
A4624	PARTIAL SECTIONS TRANSIT HALL SECTIONS @ EAST END	10/9/09

Drawing	Title	Latest Date
A4632	PARTIAL SECTIONS NORTH/SOUTH CONCOURSE LEVEL 295'-3" LEVEL 274'-0"	4/1/10
A4633	PARTIAL SECTIONS SOUTH CONCOURSE WALL SECTIONS @ SOUTH END	2/1/10
	PUBLIC SPACE WALL SECTIONS - PATH HALL, WEST STREET CONCOURSE, 9A UNDERPASS	
A4651	PARTIAL SECTIONS PATH HALL WALL SECTIONS @ SUPER COLUMN	11/16/09
A4652	PARTIAL SECTIONS PATH HALL WALL SECTIONS @ NORTH V.C.E	12/23/09
A4653	PARTIAL SECTIONS PATH HALL WALL SECTIONS @ WEST WALL	10/9/09
A4653A	PARTIAL SECTIONS PATH HALL WALL SECTIONS @ WEST WALL AND WEST STREET CONCOURSE	10/9/09
A4654	PARTIAL SECTIONS PATH HALL WALL SECTIONS WEST WALL MEMORIAL CORNER	12/23/09
A4654A	PARTIAL SECTIONS PATH HALL WALL SECTIONS WEST WALL MEMORIAL CORNER	10/9/09
A4655	PARTIAL SECTIONS WEST STREET CONCOURSE WALL SECTIONS @ 9 A UNDERPASS	12/23/09
A4659	PATH HALL WALL SECTIONS AT VENDING MACHINE WALL	12/23/09
A4660	PATH HALL WALL SECTIONS AT VENDING MACHINE WALL AND EL.274' STOREFRONT	10/9/09
A4661	DETAILS PATH HALL STONE WALL AT GRAND STAIR / TICKET VENDING	12/23/09
A4662	DETAILS PATH HALL STONE WALL AT GRAND STAIR / TICKET VENDING	12/23/09
A4663	ELEVATIONS SECTIONS PATH HALL EAST END WALL AT NORTH GRAND STAIR	6/10/10
A4664	ELEVATIONS SECTIONS PATH HALL WEST END WALL AT NORTH GRAND STAIR	11/16/09
A4665	TYPICAL DETAIL PATH HALL STONE WALL AT GRAND STAIR	11/16/09
A4670	DETAILS TRANSIT HALL STONE WALL @ EAST GRAND STAIR (#25)	6/10/10
A4671	DETAIL ELEVATIONS / SECTIONS TRANSIT HALL STONE WALL @ EAST GRAND STAIR (#25)	6/10/10
A4672	DETAIL TRANSIT HALL STONE WALL @ EAST GRAND STAIR (#25)	6/10/10
	PUBLIC SPACE DETAILS	
A4701	WALL CLADDING TYPICAL DETAILS	12/23/09
A4702	WALL CLADDING TYPICAL DETAILS	12/23/09
A4703	WALL CLADDING DETAILS AT TRANSIT HALL AND TRANSEPTS	6/10/10
A4704	WALL CLADDING DETAILS AT TRANSIT HALL EAST AND WEST END	6/10/10
A4706	WALL CLADDING DETAILS AT PATH HALL	10/9/09
A4706A	WALL CLADDING DETAILS AT PATH HALL	10/9/09
A4708A	WALL CLADDING DETAILS AT PATH HALL AND WEST STREET CONCOURSE	10/9/09
A4709	WALL CLADDING DETAILS AT WEST STREET CONCOURSE	6/10/10
A4710	WALL CLADDING DETAILS AT AIR REGISTERS	4/1/10
A4711	WALL CLADDING DETAILS AT AIR REGISTERS, NORTH AND SOUTH TRANSEPTS	10/9/09
A4712	WALL CLADDING DETAILS AT AIR REGISTERS	6/10/10
A4713	WALL CLADDING DETAILS AT WEST STREET CONCOURSE	12/23/09
A4713A	STONE COLLAR DETAILS PATH HALL MEMORIAL CORNER	12/23/09
A4714	DETAILS PATH HALL PARAPET AT 266'/ 284' RETAIL ESCALATORS	10/9/09
A4725	PATH HALL CLADDING AT SUPER COLUMNS	12/23/09
A4730	DEVICE DETAILS TRANSIT HALL	6/10/10
A4731	DEVICE DETAILS TRANSIT HALL	6/10/10
A4733	DEVICE DETAILS TRANSIT HALL	10/9/09
A4734	DEVICE DETAILS TRANSIT HALL	6/10/10
A4735	TRANSIT HALL DETAILS	6/10/10
A4736	TRANSIT HALL DETAILS	6/10/10
A4740	STEEL PROFILES NORTH/SOUTH CONCOURSE	10/9/09
A4750	DEVICE DETAILS PATH HALL	12/23/09
A4751	DEVICE DETAILS PATH HALL	10/9/09
A4752	DEVICE DETAILS PATH HALL	12/23/09
A4753	DEVICE DETAILS PATH HALL FARE CONTROL	12/23/09
A4754	PATH HALL DEVICE ENCLOSURE DETAILS AND ELEVATIONS	12/23/09
A4755	PATH HALL DEVICE ENCLOSURE DETAILS AND ELEVATIONS	12/23/09
A4756	PATH HALL DEVICE ENCLOSURE DETAILS AND ELEVATIONS	12/23/09
A4757	DEVICE DETAILS PATH HALL AT METROCARD VENDING	12/23/09
A4758	DEVICE DETAILS PATH HALL	10/9/09
A4760	PLATFORM COLUMN DETAILS	10/9/09
A4761	PLATFORM COLUMN DETAILS	12/23/09
A4762	DEVICE DETAILS PLATFORMS	10/9/09
A4763	DEVICE DETAILS PLATFORMS	10/9/09
A4764	DEVICE DETAILS PLATFORMS	12/23/09
A4765	DEVICE DETAILS PLATFORMS	12/23/09
A4766	DEVICE DETAILS PLATFORMS	10/9/09
A4767	DEVICE DETAILS PLATFORMS	10/9/09
A4768	DEVICE DETAILS PLATFORMS	10/9/09
A4770	DEVICE DETAILS WEST STREET CONCOURSE	10/9/09

Drawing	Title	Latest Date
	FLOOR FINISHES AND DETAILS	
	FLOOR PATTERN PLANS - TRANSIT HALL AND EAST CONCOURSES	
A5001	TRANSIT HALL FLOOR PATTERN PART PLAN EL. 274'	4/1/10
A5002	TRANSIT HALL FLOOR PATTERN PART PLAN EL. 274'	4/1/10
A5003	UPPER TRANSIT HALL FLOOR PATTERN PART PLAN EL. 296'	4/1/10
A5004	UPPER TRANSIT HALL FLOOR PATTERN PART PLAN EL. 296'	4/1/10
A5005	UPPER TRANSIT HALL FLOOR PATTERN PART PLAN EL. 306' AND GROUND	4/1/10
A5006	TRANSIT HALL FLOOR PATTERN PART PLAN EL. 284'-6"	4/1/10
	FLOOR PATTERN PLANS - PLATFORMS	
A5031	PLATFORM LEVEL PAVING PATTERN PART PLAN - NORTH EL. 250'-3"	6/10/10
A5032	PLATFORM LEVEL PAVING PATTERN PART PLAN SOUTH EL. 250'-3"	12/23/09
	FLOOR PATTERN PLANS - PATH HALL	
A5036	MEZZANINE LEVEL FLOOR PATTERN PART PLAN	12/23/09
A5037	MEZZANINE LEVEL FLOOR PATTERN PART PLAN	12/23/09
	FLOOR PATTERN PLANS - WEST STREET CONCOURSE AND 9A UNDERPASS	
A5041	WEST STREET CONCOURSE AND 9A UNDERPASS FLOOR PATTERN PART PLANS EL. 266'	10/9/09
A5042	UPPER WEST STREET CONCOURSE FLOOR PATTERN PART PLANS EL. 284'	11/16/09
	TRANSIT HALL AND CONCOURSES FLOOR FINISH DETAILS	
A5051	TRANSIT HALL FLOOR PAVING DETAILS	4/1/10
A5052	STONE COVE BASE TRANSITION DETAILS	10/9/09
	PLATFORMS FLOOR FINISH DETAILS	
A5071	EDGE OF PLATFORM DETAILS WARNING STRIP AND PAVING DETAILS	12/23/09
	PATH HALL, WEST STREET CONCOURSE AND 9A UNDERPASS FLOOR FINISH DETAILS	
	FINISH PLANS AND DETAILS	
A5103	FINISH PLAN AND DETAILS SOUTH MEZZANINE EL. 266'	10/9/09
	WATERPROOFING AND FLOOR INSULATION PLANS	
A5201	FLOOR INSULATION AND FILL SLAB PLAN EL 242'	10/9/09
A5202	FLOOR INSULATION AND FILL SLAB PLAN EL 250'	11/16/09
A5203	FLOOR INSULATION AND FILL SLAB PLAN EL 266'	4/1/10
A5204	RADIANT FLOOR AND FLOOR INSULATION PLAN EL 274'	10/9/09
A5205	FLOOR INSULATION AND FILL SLAB PLAN EL 296'	12/23/09
A5206	FLOOR INSULATION AND FILL SLAB PLAN EL 386'	10/9/09
A5207	FLOOR INSULATION PLAN EL. 404'	10/9/09
	FLOOR INSULATION DETAILS	
A5251	FLOOR INSULATION DETAILS	12/23/09
	EXPANSION JOINT PLANS	
A5271	SUBGROUND LEVEL PART PLAN 12 AND 13 EXPANSION JOINT EL. 306'	10/9/09
A5272	SUBGROUND LEVEL PART PLAN 12 AND 13 EXPANSION JOINT EL. 312'	10/9/09
	WATERPROOFING INSULATION DETAILS	
A5281	WATERPROOFING DETAILS	2/1/10
A5282	WATERPROOFING AND VAPOR BARRIER DETAILS	10/9/09
A5283	WATERPROOFING DETAILS	4/1/10
A5284	WATERPROOFING DETAILS	10/9/09
A5285	WATERPROOFING DETAILS	10/9/09
A5286	WATERPROOFING DETAILS	4/1/10
A5287	WATERPROOFING DETAILS	10/9/09
A5288	WATERPROOFING DETAILS	4/1/10
VOL 2	**ARCHITECTURAL**	
	TRANSIT HALL AND EAST CONCOURSES	
A5900	TRANSIT HALL REFLECTED CEILING KEY PLANS AND TYPICAL CEILING PANEL SECTIONS	4/1/10
A5905	DETAILS TRANSIT HALL TYPICAL CEILING AXIS -11 UPPER TRANSIT HALL	4/1/10
A5906	DETAILS TRANSIT HALL TYPICAL CEILING AXIS -11 TRANSIT HALL	4/1/10
A5907	TRANSIT HALL ENLARGED EAST UPPER TRANSIT HALL	4/1/10

Drawing	Title	Latest Date
A5908	DETAILS TRANSIT HALL EAST UPPER TRANSIT HALL	4/1/10
A5909	DETAILS TRANSIT HALL TYPICAL CEILING EAST END UPPER TRANSIT HALL	4/1/10
A5910	DETAILS TRANSIT HALL TYPICAL CEILING EAST END TRANSIT HALL	4/1/10
A5911	DETAILS TRANSIT HALL TYPICAL CEILING WEST UPPER TRANSIT HALL	4/1/10
A5912	DETAILS TRANSIT HALL TYPICAL CEILING WEST UPPER TRANSIT HALL	10/9/09
A5913	DETAILS TRANSIT HALL TYPICAL CEILING WEST END TRANSIT HALL	10/9/09
A5913A	DETAILS TRANSIT HALL TYPICAL CEILING	10/9/09
A5914	DETAILS TYPICAL PLASTER DETAILS	12/23/09
A5915	DETAILS PLASTER CEILING DETAILS	10/9/09
A5916	DETAILS MISCELLANEOUS PLASTER DETAILS	4/1/10
A6917	DETAILS TRANSIT HALL SOUTH TRANSEPT UPPER TRANSIT HALL	10/9/09
A5918	DETAILS TRANSIT HALL NORTH TRANSEPT	10/9/09
A5919	DETAILS TRANSIT HALL NORTH TRANSEPT	4/1/10
A5920	DETAILS TRANSIT HALL TYPICAL CEILING DETAILS	4/1/10
A5921	DETAILS TRANSIT HALL TYPICAL CEILING DETAILS	4/1/10
A5923	DETAILS TRANSIT HALL (UPPER) CEILING PANEL GEOMETRY PLAN	4/1/10
A5924	DETAILS TRANSIT HALL (UPPER) CEILING PANEL GEOMETRY DIMENSIONS	10/9/09
A5925	DETAILS TRANSIT HALL (UPPER) CEILING PANEL GEOMETRY DIMENSIONS	10/9/09
A5926	DETAILS TRANSIT HALL (LOWER) CEILING PANEL GEOMETRY PLAN	10/9/09
A5927	DETAILS TRANSIT HALL (LOWER) CEILING PANEL GEOMETRY DIMENSIONS	10/9/09
A5928	DETAILS TRANSIT HALL (LOWER) CEILING PANEL GEOMETRY DIMENSIONS	10/9/09
A5940	DETAILS METAL CEILING TYPICAL DETAILS	4/1/10
A5940A	DETAILS METAL CEILING TYPICAL DETAILS	4/1/10
A5940B	DETAILS METAL CEILING TYPICAL DETAILS	4/1/10
A5940C	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5940D	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5940E	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5940F	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5940G	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5941	DETAILS PATH HALL TYPICAL CEILING SYSTEM AND ZONE DRAWING	12/23/09
A5943	DETAILS PATH HALL TYPICAL CEILING ZONE A AXES D56-D59	11/16/09
A5944	DETAILS PATH HALL TYPICAL CEILING ZONE A AXES D24-D27	10/9/09
A5945	DETAILS PATH HALL TYPICAL CEILING ZONE A AXES D24-D27	10/9/09
A5946	DETAILS PATH HALL TYPICAL CEILING ZONE A AXES D24-D27	10/9/09
A5947	DETAILS PATH HALL CEILING AT SOUTH MEZZANINE AXES D17-D27	4/1/10
A5947A	DETAILS PATH HALL CEILING AT SOUTH MEZZANINE AXES D28-D37	4/1/10
A5947B	DETAILS PATH HALL CEILING AT SOUTH MEZZANINE AXES D39-D44	4/1/10
A5957C	DETAILS PATH HALL CEILING AT NORTH MEZZANINE AXIS D19	4/1/10
A5948	DETAILS PATH HALL TYPICAL CEILING ZONE B AXES D12-D19/BS1	4/1/10
A5949	DETAILS PATH HALL TYPICAL CEILING ZONE B AXES D12-D17/AS1	4/1/10
A5951	DETAILS PATH HALL TYPICAL CEILING DETAILS MEZZANINE HALL	4/1/10
A5953	DETAILS PATH HALL TYPICAL CEILING ZONE C AXES D1-D9	10/9/09
A5957	DETAILS PATH HALL CEILING PANEL TYPES GEOMETRY	10/9/09
A5958	DETAILS PATH HALL CEILING PANEL TYPES GEOMETRY	10/9/09
A5959	DETAILS PATH HALL CEILING PANEL TYPES GEOMETRY @ D13 - D19	12/23/09
A5960	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM A	4/1/10
A5960A	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM A	4/1/10
A5960B	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM A	4/1/10
A5960C	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM	4/1/10
A5960D	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM	4/1/10
A5960E	DETAILS PATH HALL TYPICAL CEILING DETAILS PLATFORM	4/1/10
A5964	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	10/9/09
A5965	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	7/1/10
A6965A	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	7/1/10
A5966	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	12/23/09
A5967	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	12/23/09
A5968	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	7/1/10
A5969	DETAILS PATH HALL TYPICAL CEILING @ PLATFORM	12/23/09
A5971	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5972	DETAILS METAL CEILING TYPICAL DETAILS	10/9/09
A5982	ACOUSTICAL TILE CEILING TYPICAL DETAILS	10/9/09
	TRANSIT HALL AND EAST CONCOURSES DETAILS	
A6020	DETAILS TRANSIT HALL GUARDRAIL KEYPLANS 317 & 324	4/1/10
A6021	DETAILS TRANSIT HALL AND N-S CONCOURSE GUARDRAIL KEYPLANS 295 & 306	4/1/10

Drawing	Title	Latest Date
A6022	DETAILS TRANSIT HALL AND GUARDRAIL KEYPLANS 295	10/9/09
A6023	DETAILS TRANSIT HALL GUARDRAIL KEYPLANS 295	4/1/10
A6024	DETAILS PATH HALL GUARDRAIL KEYPLANS 266	11/16/09
A6025	DETAILS PATH HALL GUARDRAIL KEYPLANS 266	10/9/09
A6026	DETAILS PATH HALL GUARDRAIL KEYPLANS 266	11/16/09
A6027	DETAILS TRANSIT HALL AND PATH HALL GUARDRAIL KEYPLANS 284	11/16/09
A6028	DETAILS PATH HALL GUARDRAIL KEYPLANS 284	10/9/09
A6029	DETAILS PATH HALL GUARDRAIL KEYPLANS 274	10/9/09
A6031	DETAILS TRANSIT HALL TYPICAL GUARDRAIL SECTIONS AND ELEVATIONS	10/9/09
A6032	DETAILS TRANSIT HALL TYPICAL GUARDRAIL SECTIONS	4/1/10
A6033	DETAILS PATH HALL TYPICAL GUARDRAIL SECTIONS	10/9/09
A6034	DETAILS PATH HALL TYPICAL GUARDRAIL SECTIONS	12/23/09
A6041	DETAILS GUARDRAIL DETAIL PLANS	10/9/09
A6042	DETAILS GUARDRAIL DETAIL PLANS	10/9/09
A6043	DETAILS GUARDRAIL DETAILS	10/9/09
A6051	DETAILS TRANSIT AND PATH HALL TYPICAL GUARDRAIL DETAIL SECTIONS	10/9/09
A6081	E TRAIN ENTRANCE RENOVATION PLANS AND SECTIONS	10/9/09
A6101	FIRE COMMAND STATION PLAN, RCP AND ELEVATIONS EL. 306' & EL. 326	4/1/10
A6102	HUB SECTIONS THROUGH WATER TANK AT TOWER TWO EL. 296'	4/1/10
A6102A	SECTIONS THROUGH WATER TANK AT SE CORNER STRUCTURES EL. 296'	2/26/10
A6130	GUTTER DETAILS	10/9/09
	CENTRAL PLANT DETAILS	
A6153	CENTRAL PLANT MANAGEMENT OFFICE DETAILS	10/9/09
A6154	CENTRAL PLANT NORTH DUCTS PART PLANS AND DETAILS	10/9/09
	BUS PARKING DETAILS	
A6181	TRANSIT HALL PLENUM NORTH	10/9/09
A6182	TRANSIT HALL PLENUM NORTH	10/9/09
	PLATFORM LEVEL DETAILS	
A6201	PLATFORM COLLECTOR DUCT (NORTH AND SOUTH) PART PLANS	11/16/09
A6206	NORTH END PLATFORM SECTIONS EL. 250'-3"	11/16/09
A6207	NORTH END PLATFORM SECTIONS EL. 250'-3"	10/9/09
A6242	SOUTH PLATFORM LEVEL SECURITY FENCE ELEVATIONS EL. 246'-0" 1 of 2	10/9/09
A6243	SOUTH PLATFORM LEVEL SECURITY FENCE ELEVATIONS EL. 246'-0" 2 of 2	10/9/09
	SOUTH MEZZANINE DETAILS	
A6251	GRATING PARTIAL PLAN, SECTION AND DETAILS	11/16/09
	PATH HALL DETAILS	
A6349	PATH HALL DETAILS BEAM CLADDING BS1 NORTH	10/9/09
A6350	PATH HALL RETAIL DETAILS	10/9/09
	WEST STREET CONCOURSE DETAILS	
A6402	WEST STREET CONCOURSE DETAILS	10/9/09
A6403	WEST STREET CONCOURSE EL. 266' DETAILS	12/23/09
A6404	WEST STREET CONCOURSE EL. 284'-0" DETAILS	12/23/09
A6407	WEST STREET CONCOURSE OVERPASS PLANS AND SECTIONS D97 AND D98	10/9/09
A6408	WEST STREET CONCOURSE OVERPASS DETAILS AND SECTIONS D99 AND D100	10/9/09
A6409	WEST STREET CONCOURSE OVERPASS DETAILS	10/9/09
A6451	9A UNDERPASS DETAILS	10/9/09
	WTC RETAIL	
A6701	RETAIL STOREFRONT SCOPE PLAN MEZZANINE LEVEL EL. 266'	10/9/09
A6702	RETAIL STOREFRONT SCOPE PLAN TRANSIT HALL LEVEL EL. 274'	10/9/09
A6703	RETAIL STOREFRONT SCOPE PLAN DEY STREET/ WEST STREET CONCOURSE LEVEL EL. 2784'/EL. 285'	10/9/09
A6704	RETAIL STOREFRONT SCOPE PLAN UPPER TRANSIT HALL LEVEL EL. 296'	10/9/09
A6710	WTC RETAIL GLAZING SCHEDULE	10/9/09
A6711	RETAIL STOREFRONT WEST STREET CONCOURSE LEVEL PART PLANS EL. 266'	10/9/09
A6712	RETAIL STOREFRONT TRANSIT HALL LEVEL PART PLAN EL. 274'	10/9/09
A6713	RETAIL STOREFRONT SOUTH CONCOURSE PART PLAN EL. 274'	2/1/10
A6714	RETAIL STOREFRONT SOUTH CONCOURSE PART PLAN EL. 274'	10/9/09
A6716	RETAIL STOREFRONT WEST STREET CONCOURSE LEVEL PART PLANS EL. 284'	10/9/09
A6717	RETAIL STOREFRONT TRANSIT HALL LEVEL PART PLAN EL. 296'	10/9/09

Drawing	Title	Latest Date
A6718	RETAIL STOREFRONT SOUTH CONCOURSE PART PLAN 296'	10/9/09
A6719	RETAIL STOREFRONT SOUTH AND NORTH CONCOURSE PART PLANS EL. 296' AND EL. 306'	10/9/09
A6721	WEST STREET CONCOURSE VESTIBULE AND WTC RETAIL STOREFRONT PLAN DETAILS AT SILL	12/23/09
A6722	TRANSIT HALL VESTIBULE AND WTC RETAIL STOREFRONT PLAN DETAILS AT SILL	12/23/09
A6723	NORTH/SOUTH CONCOURSE VESTIBULE AND WTC RETAIL STOREFRONT PLAN DETAILS AT SILL	12/23/09
A6724	NORTH/SOUTH CONCOURSE VESTIBULE AND WTC RETAIL STOREFRONT PLAN DETAILS AT SILL	12/23/09
A6725	MISCELLANEOIS WTC RETAIL STOREFRONT PLAN DETAILS AT SILL	10/9/09
A6726	WEST STREET CONCOURSE RETAIL AND VESTIBULE GLAZING SECTION DETAILS	10/9/09
A6727	TRANSIT HALL WTC RETAIL AND VESTIBULE GLAZING SECTIONS	4/1/10
A6728	TRANSIT HALL RETAIL STOREFRONT SECTION DETAILS	2/1/10
A6731	WTC RETAIL STOREFRONT AND TYPICAL VESTIBULE SECTION DETAILS AT SILL	12/23/09
A6732	WTC RETAIL STOREFRONT AND TYPICAL VESTIBULE SECTION DETAILS AT HEAD AND TRANSOM	12/23/09
A6741	STEEL TAB DETAILS AT STEEL COLUMNS	11/16/09
	CURTAIN WALL, STOREFRONT AND GLASS DETAILS	
A6804	SUBWAY WEST STREET CONCOURSE ENTRY DOORS	10/9/09
A6805	SUBWAY NYC R/W AND NYC A/C/E ENTRY DOORS AND DETAILS	10/9/09
A6807	TRANSIT HALL DOOR AND FRAME DETAILS	10/9/09
A6808	TRANSIT HALL DOOR AND FRAME DETAILS	10/9/09
A6809	TRANSIT HALL DOOR & FRAME DETAILS	4/1/10
A6811	DETAILS TRANSIT HALL WEST ARCH GLAZING DETAILS	4/1/10
A6812	DETAILS SOUTH CONCOURSE MTA/RETAIL ELEVATOR LOBBY GLAZING DETAILS	10/9/09
A6815	DETAILS SOUTH CONCOURSE SMOKE BAFFLE	4/1/10
A6816	TRANSIT HALL DOOR & FRAME DETAILS	12/23/09
A6817	TRANSIT HALL DOOR & FRAME DETAILS	10/9/09
A6821	DETAILS FIRE - RATED COILING DOOR	10/9/09
A6822	PATH HALL SMOKE BAFFEL AT AXIS BS-1	12/23/09
A6823	DETAILS PATH HALL SOUTH MEZZANINE GLAZED FASCIA DETAILS	4/1/10
A6824	DETAILS PATH HALL PLATFORM ENDS GLAZING	7/1/10
A6826	TRANSIT HALL DOOR & FRAME DETAILS	10/9/10
A6827	TRANSIT HALL DOOR & FRAME DETAILS	10/9/10
A6828	TRANSIT HALL DOOR & FRAME DETAILS	12/23/09
A6831	TRANSIT HALL R/W MTA ENTRY DETAILS	10/9/09
A6832	TRANSIT HALL R/W MTA ENTRY DETAILS	10/9/09
A6833	TRANSIT HALL 1 LINE DETAILS MTA ENTRY WALL SECTIONS	10/9/09
A6834	DETAILS 1 LINE MTA ENTRY	10/9/09
A6836	FLANKING ARCH DETAILS AT WEST END OF TRANSIT HALL	10/9/09
A6901	STATION PLATFORM LEVEL EL 250' PLAN AND DETAILS	7/1/10
A6902	STATION MEZZANINE LEVEL EL. 266'-0" RETAIL PART PLAN	12/23/09
	VCE DETAILS - PUBLIC STAIRS, ESCALATORS, AND ELEVATORS	
	TRANSIT HALL AND EAST CONCOURSES - PUBLIC STAIRS, ESCALATORS, AND ELEVATORS	
A7000	GENERAL DRAWINGS LOWER CONCOURSE PLAN 274'-0"	7/1/10
A7001	GENERAL DRAWINGS UPPER CONCOURSE PLAN AND GROUND PLAN	7/1/10
A7002	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATION STAIR 25	4/1/10
A7003	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATION ESC. 25, 26, 27 AND 28	10/9/09
A7004	TRANSIT HALL VCE PART PLANS AND SECTIONS ESC. 31, 32, 33 AND 34, STAIR 29 AND 30	10/9/09
A7005	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATION ESC. 37 AND 38, STAIR 31E AND 32E	10/9/09
A7006	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS ELEVATOR 16 AND 17	10/9/09
A7010	TRANSIT HALL VCE PART PLANS ESC. 23 AND 24, STAIR 23 AND 24	10/9/09
A7011	TRANSIT HALL VCE PART PLANS ESC. 29 AND 30, STAIR 26 AND 27	10/9/09
A7015	N/S CONCOURSE VCE PART PLANS STAIR 35 AND ESCALATORS	10/9/09
A7018	TRANSIT HALL VCE PART PLANS AND SECTIONS STAIR #33	10/9/09
A7019	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATION STAIR #34	7/1/10
A7020	TRANSIT HALL VCE PART PLANS & SECTIONS STAIR #20	10/9/09
A7021	PATH HALL VCE PART PLANS AND SECTIONS STAIRS 21, 22, & 45 ELECATOR 12 ESCALATOR 21	12/23/09
A7022	PATH HALL VCE PART PLANS AND SECTIONS STAIR 43, 44 & 19, ELEVATOR 13	12/23/09
A7023	PATH HALL VCE PART PLANS, SECTIONS AND ELEVATIONS ELEVATOR 12 AND 13	12/23/09
A7025	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS ELEVATOR 14 AND 18	11/16/09
A7027	PATH HALL VCE PART PLANS, SECTIONS AND ELEVATION ESC. 19 & 20	10/9/09
A7028	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS STAIRS 31W, 32W & 39 WEST ENTRY	4/1/10
A7029	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS STAIRS 36, 37 & 38 EAST ENTRY	4/1/10
A7030	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS STAIRS 31W, 32W,&38 WEST ENTRY	4/1/10
A7031	TRANSIT HALL VCE PART PLANS, SECTIONS AND ELEVATIONS STAIRS 31W,32W & 38 WEST ENTRY	7/1/10
A7055	HOISTWAY PLANS AND SECTIONS ELEVATOR 25	10/9/09

Drawing	Title	Latest Date
	VCE DETAILS - PUBLIC STAIRS, ESCALATORS, AND ELEVATORS	
	PATH HALL, WEST ST CONCOURSE & 9A UNDERPASS - PUBLIC STAIRS, ESCALATORS, & ELEVATORS	
A7101	PATH HALL PLATFORM A VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 16	10/9/09
A7102	PATH HALL PLATFORM A VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 11	10/9/09
A7103	PATH HALL PLATFORM A VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 12	10/9/09
A7104	PATH HALL PLATFORM A VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 17	10/9/09
A7105	PATH HALL PLATFORM A VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 18	10/9/09
A7106	PATH HALL PLATFORM B VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 11	12/23/09
A7107	PATH HALL PLATFORM B VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 8, STAIR 12	10/9/09
A7108	PATH HALL PLATFORM B VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 9, STAIR 13	10/9/09
A7109	PATH HALL PLATFORM B VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 10, STAIR 14	10/9/09
A7110	PATH HALL PLATFORM B VCE PART PLANS, RCP, SECTIONS ANE ELEVATIONS STAIR 15	10/9/09
A7111	PATH HALL PLATFORM C VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 6	12/23/09
A7112	PATH HALL PLATFORM C VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 5, STAIR 7	10/9/09
A7113	PATH HALL PLATFORM C VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 6, STAIR 8	10/9/09
A7114	PATH HALL PLATFORM C VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 7, STAIR 9	10/9/09
A7115	PATH HALL PLATFORM C VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 10	10/9/09
A7116	PATH HALL PLATFORM D VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 1, STAIR 1	10/9/09
A7118	PATH HALL PLATFORM D VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 2, STAIR 2	10/9/09
A7119	PATH HALL PLATFORM D VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 3, STAIR 3	10/9/09
A7120	PATH HALL PLATFORM D VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS ESC 4, STAIR 4	10/9/09
A7121	PATH HALL PLATFORM D VCE PART PLANS, RCP, SECTIONS AND ELEVATIONS STAIR 5	10/9/09
A7122	PATH HALL PLATFORM VCE PART PLANS, SECTIONS AND ELEVATIONS ELEVATOR 1 THROUGH 8	10/9/09
A7124	WEST ST. CONCOURSE VCE PART PLANS, SECTION AND ELEVATIONS ESCALATOR 19 AND 20	10/9/09
A7125	PATH HALL PLATFORM VCE ENCLOSURE GEOMETRY	11/16/09
A7125.1	PATH HALL PLATFORM VCE ENCLOSURE GEOMETRY	11/16/09
A7126	PATH HALL PLATFORM VCE ENCLOSURE GEOMETRY	11/16/09
A7126.1	PATH HALL PLATFORM VCE ENCLOSURE GEOMETRY	11/16/09
A7127	WEST STREET CONCOURSE VCE PART PLANS, SECTIONS AND ELEVATIONS ELEVATOR 11	4/1/10
A7128	9A UNDERPASS VCE PART PLANS, ELEVATIONS AND DETAILS ELEVATOR 9 AND 10	10/9/09
	PUBLIC VCE DETAILS	
A7201	TYPICAL VCE DETAILS	12/23/09
A7202	TYPICAL VCE DETAILS	12/23/09
A7203	TYPICAL VCE DETAILS	10/9/09
A7204	TYPICAL VCE DETAILS	12/23/09
A7205	STONE TREAD DETAILS TYPICAL VCE DETAILS	4/1/10
A7206	TYPICAL VCE DETAILS	12/23/09
A7207	TYPICAL VCE DETAILS	10/9/09
A7208	TYPICAL VCE DETAILS	11/16/09
A7209	TYPICAL VCE DETAILS	11/16/09
A7210	TYPICAL VCE DETAILS	12/23/09
A7211	TYPICAL VCE DETAILS	4/1/10
A7212	TYPICAL VCE DETAILS	4/1/10
A7213	TYPICAL VCE DETAILS	10/9/09
A7220	TYPICAL ELEVATOR DETAILS	10/9/09
A7221	TYPICAL ELEVATOR DETAILS	11/16/09
A7222	TYPICAL ELEVATOR DETAILS	10/9/09
	VESTIBULE DETAILS	
	TRANSIT HALL AND EAST CONCOURSES - PUBLIC STAIRS, ESCALATORS, AND ELEVATORS	
A7301	TRANSIT HALL WEST VESTIBULE PLANS, SECTION AND ELEVATIONS EL. 274'-0"	10/9/09
A7302	TRANSIT HALL EAST VESTIBULE PLANS, SECTION AND ELEVATIONS EL. 274'-0"	10/9/09
A7303	TRANSIT HALL NORTH VESTIBULE PLANS, SECTION AND ELEVATIONS @ EL. 274'-0"	10/9/09
A7304	TRANSIT HALL SOUTH VESTIBULE PLANS, SECTION AND ELEVATIONS EL 274'-0"	10/9/09
A7305	SOUTH CONCOURSE VESTIBULE PLANS AND ELEVATIONS EL. 274'	2/1/10
A7306	TRANSIT HALL NORTH VESTIBULE PLANS, SECTION AND ELEVATIONS EL 295'-3"	10/9/09
A7307	TRANSIT HALL EAST VESTIBULE PLANS AND ELEVATIONS EL 295'-3"	10/9/09
A7308	TRANSIT HALL EAST VESTIBULE PLANS AND ELEVATIONS EL 295'-3"	10/9/09
A7309	TRANSIT HALL EAST VESTIBULE PLANS AND ELEVATIONS EL 295'-3"	10/9/09
	VESTIBULE DETAILS	
	MEZZANINE, WEST ST CONCOURSE & 9A UNDERPASS - PUBLIC STAIRS, ESCALATORS, & ELEVATORS	
A7351	WEST STREET CONCOURSE VESTIBULE PLANS, SECTION AND ELEVATIONS EL.266'-0"	10/9/09

Drawing	Title	Latest Date
A7352	WEST STREET CONCOURSE VESTIBULE PLANS AND ELEVATIONS EL.266'/260'	10/9/09
A7353	WEST STREET CONCOURSE VESTIBULE PLANS, SECTION, ELEVATIONS AND DETAILS EL.284'	10/9/09
A7354	WEST STREET CONCOURSE VESTIBULE PLANS AND ELEVATIONS EL.284'	10/9/09
A7355	WEST STREET CONCOURSE VESTIBULE PLAN AND ELEVATIONS EL.266' / 260'	10/9/09
	VCE - ENCLOSED EGRESS	
	PATH HALL, WEST STREET CONCOURSE AND 9A UNDERPASS - EGRESS STAIRS	
A7401	STAIRS N AND O	11/16/09
A7402	STAIR P AND S	10/9/09
A7403	STAIRS R AND GG	4/1/10
A7404	STAIR V, X, Y AND Z	4/1/10
A7405	STAIR U PLANS AND SECTION	7/1/10
A7406	STAIR U (MTA) PLANS AND SECTION	10/9/09
A7407	STAIR M PLANS, SECTIONS, AND DETAILS	10/9/09
	TRANSIT HALL AND EAST CONCOURSES - EGRESS STAIRS	
A7431	STAIR BA	4/1/10
A7432	CENTRAL PLANT EGRESS STAIRS PLANS AND SECTIONS	7/1/10
A7433	CENTRAL PLANT EGRESS STAIRS PLANS AND SECTIONS	10/9/09
	STAIR DETAILS	
A7481	STAIR DETAILS PRECAST CONCRETE	12/23/09
A7482	STAIR DETAILS PRECAST CONCRETE	12/23/09
	BOH STAIRS, RAMPS, AND LADDERS - CENTRAL FAN PLANT AND CAR PARKING LEVELS	
A7501	CENTRAL PLANT PLATFORM AND LADDER PLANS, SECTIONS AND ELEVATIONS	10/9/09
	BOH STAIRS, RAMPS, AND LADDERS - BUS PARKING LEVELS	
A7521	STAIR DETAILS	4/1/10
A7523	STAIR 157, 158, AND 159	7/1/10
	BOH STAIRS, RAMPS, AND LADDERS - ABOVE GRADE MEP LEVEL	
A7581	STAIR 056 PLANS AND SECTION TOWER 3	10/9/09
	BOH STAIRS, RAMPS, AND LADDERS - PLATFORMS	
A7601	PLATFORM STAIR DETAILS	12/23/09
	BOH STAIRS, RAMPS, AND LADDERS - SOUTH MEZZANINE LEVEL	
A7611	BACK OF HOUSE SOUTH MEZZANINE & UNDER 1- LINE STAIR & LIFT DETAILS	12/23/09
	BOH STAIRS, RAMPS, AND LADDERS - WEST STREET CONCOURSE AND 9A UNDERPASS	
A7621	WEST STREET CONCOURSE STAIR DETAILS	12/23/09
A7622	WEST STREET CONCOURSE RAMP PLAN, SECTION AND DETAILS NEAR STAIR Q	10/9/09
	BOH DETAILS	
A7691	METAL PAN STAIR AND STEEL GRATING STAIR DETAILS	10/9/09
A7692	CONCRETE STAIR DETAILS AND LADDER DETAILS	12/23/09
	TYPICAL DETAILS	
A8911	SIGNAGE ELEVATIONS AND DETAILS	12/23/09
	FAÇADE MAINTENANCE	
FM1001	FAÇADE MAINTENANCE EQUIPMENT LOCATION PLANS	10/9/09
FM1002	FAÇADE MAINTENANCE EQUIPMENT SECTIONS	10/9/09
	WAYFINDING LOCATION PLANS	
AW3013A	GENERAL SITE PLAN PLATFORM LEVEL EL. 250' SIGNAGE LOCATIONS	12/23/09
AW3013B	GENERAL SITE PLAN PLATFORM LEVEL EL. 250' SIGNAGE LOCATIONS	10/9/09
AW3014	GENERAL SITE PLAN MEZZANINE LEVEL EL. 266' SIGNAGE LOCATIONS	10/9/09
AW3015	GENERAL SITE PLAN TRANSIT HALL LEVEL EL. 274' SIGNAGE LOCATIONS	10/9/09
AW3016	GENERAL SITE PLAN TRANSIT HALL LEVEL EL. 285' SIGNAGE LOCATIONS	10/9/09
AW3017	GENERAL SITE PLAN UPPER TRANSIT HALL LEVEL EL. 295' SIGNAGE LOCATIONS	10/9/09
AW3018	GENERAL SITE PLAN UPPER TRANSIT HALL LEVEL EL. 306' SIGNAGE LOCATIONS	10/9/09
AW3019	GENERAL SITE PLAN GROUND LEVEL EL. 316' / 326' SIGNAGE LOCATIONS	10/9/09

Drawing	Title	Latest Date
	WAYFINDING TECHNICAL DRAWINGS	
AW7001	SIGN TYPE A1.1 PRIMARY BUILDING ID NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7002A	SIGN TYPES A7.1, A8.1, B7.1, B7.2, B7.3, C7.1, C7.2 TYPICAL BAFFLE SIGNS SIGN CONSTRUCTION DETAILS	10/9/09
AW7002B	SIGN TYPES A7.1, B7.1, B7.2, B7.3, C7.1 & C7.2 TYPICAL BAFFLE SIGNS SIGN CONSTRUCTION DETAILS	10/9/09
AW7004	SIGN TYPE 'A9.1' TYPICAL BAFFLE SIGNS SIGN CONSTRUCTION DETAILS	10/9/09
AW7005	SIGN TYPE C5 DYNAMIC PYLON SIGN AND SIGN TYPE C5 MODIFIED SIGN CONSTRUCTION DETAILS	10/9/09
AW7006	SIGN TYPE B1.1 CONCOURSE ID WALL MOUNT NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7007	SIGN TYPES G6.1; G7 G8.1; SIGN CONSTRUCTION DETAILS	10/9/09
AW7008	SIGN TYPE A3.1 PA PROPERTY MESSAGE NON-ILLUMINATED EMBEDED SIGN CONSTRUCTION DETAILS & SIGN TYPE A4.1	10/9/09
AW7009	SIGN TYPES A6.1, A6.2 AND A6.3 HISTORICAL SIGNS NON-ILLUMINATED EMBEDED SIGN CONSTRUCTION DETAILS	12/23/09
AW7010	SIGN TYPE B1 INTERIOR DIRECTIONAL NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7013	SIGN TYPE A2.1 DYNAMIC PYLON SIGN SIGN CONSTRUCTION DETAILS	12/23/09
AW7014	SIGN TYPES C3.1, C3.2 SIGN TYPE G1.1 SIGN TYPE G10.1 CONSTRUCTION DETAILS	12/23/09
AW7015	SIGN TYPE E1.1 / E2.1 ROOM ID. (FOH / BOH) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7016	SIGN TYPE A10 WTC IDENTIFIER NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7017A	SIGN TYPE A5.1 PATH ID./ PA LOGO NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7017B	SIGN TYPE A5.2 PATH IDENTIFIER AT PLATFORM ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7018	SIGN TYPE S1.1 STAIR ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7019	SIGN TYPE S1.2 STAIR ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7020	SIGN TYPES H1 & H1.2 RESTROOM ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7031	SIGN TYPE B5.1 PATH POLICE (FOH) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7032	SIGN TYPE B5.2 PATH POLICE (BOH) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7033A	SIGN TYPE G3.1 FIRE HOSE CABINET / FIRE EXTINGUISHER ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7033B	SIGN TYPE G3.1 FIRE HOSE CABINET / FIRE EXTINGUISHER ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7034	SIGN TYPE G9.2 AREA OF RESCUE ASSISTANCE (BOH) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7035A	SIGN TYPE C4.1 DYNAMIC LED PANEL (AT ELEVATORS) ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7035B	SIGN TYPE C4.1 DYNAMIC LED PANEL (AT ELEVATORS) ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7036	SIGN TYPE B2.1 INTERIOR DIRECTIONAL (EXTENDED LENGTH) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	12/23/09
AW7037	SIGN TYPE B3.1 INTERIOR DIRECTIONAL (SUBWAY WAYFINDING) NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7038	SIGN TYPE B8 WORLD FINANCIAL CENTER ID. NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7039	SIGN TYPE C8.1 & G9.1 DYNAMIC LED PANEL ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
AW7040	SIGN TYPE A11 SAFETY PATTERN NON-ILLUMINATED SIGN CONSTRUCTION DETAILS	10/9/09
[redacted]	[redacted]	
	GENERAL	
C0001	LEGEND, ABBREVIATIONS AND NOTES	10/9/09
	ANTICIPATED EXISTING CONDITIONS	
C0211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
C0212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
C0213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
C0214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	10/9/09
C0215	INVERT LEVEL PART PLAN 15 EL. 242'-0"	10/9/09
	SITE CONNECTIONS	
C1170	SITE CONNECTION KEY PLAN	10/9/09
C1171	LIBERTY STREET SITE CONNECTION PLAN & PROFILE	10/9/09
C1172	VESEY STREET SITE CONNECTION PLAN & PROFILE	12/23/09
C1173	VESEY AND CHURCH STREET SITE CONNECTION PLAN	2/1/10
C1174	VESEY AND CHURCH STREET PROFILES	12/23/09
C1175	LIBERTY AND GREENWICH STREET SITE CONNECTION PLAN	2/26/10
C1176	LIBERTY AND GREENWICH STREET PROFILES	2/26/10
C1177	GREENWICH STREET STORM DRAIN CONNECTION PLAN	12/23/09
	SUBDRAIN PART PLANS 1/8"=1'-0"	
C1203	CAR PARKING LEVEL PART PLAN 3 EL. 237'-0"	10/9/09
C1204	CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	10/9/09
C1205	CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	10/9/09
C1206	CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	10/9/09
C1211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
C1212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
C1213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
C1214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	7/1/10
C1215	INVERT LEVEL PART PLAN 15 EL. 242'-0"	10/9/09

Drawing	Title	Latest Date
	SECTIONS	
C3501	PLAN AND SECTION - 1 TRACK DRAIN SYSTEM	10/9/09
C3502	PLAN AND SECTION - 2 TRACK DRAIN SYSTEM	10/9/09
	DETAILS	
C7101	SUBDRAIN DETAILS	10/9/09
C7201	OIL WATER SEPARATOR DETAILS	10/9/09
C7301	DETAILS	10/9/09
VOL 2	GEOTECHNICAL	
	INSTRUMENTATION	
GT2001	INSTRUMENTATION GENERAL PLAN AND NOTES	3/1/10
GT2002	INSTRUMENTATION DETAILS	10/9/09
GT2003	INSTRUMENTATION PLANS EAST BATHTUB	7/1/10
GT2004	INSTRUMENTATION SECTIONS EAST BATHTUB	3/1/10
GT2005	INSTRUMENTATION PLANS WEST BATHTUB EL. 242' 1 OF 2	3/1/10
GT2006	INSTRUMENTATION PLANS WEST BATHTUB EL. 242' 2 OF 2	3/1/10
GT2007	1-LINE INVERT PLAN MONITORING LOCATIONS	10/9/09
	EXCAVATION AND SUPPORT	
GT7504	PILES AND ROCK ANCHORS	7/1/10
GT7509	FOUNDATION EXCAVATION NOTES AND DETAILS	3/1/10
VOL 3	CONSTRUCTION PHASING	
	ARCHITECTURAL	
CSA001	ABBREVIATIONS, LEGEND, DRAWING CONVENTIONS GENERAL NOTES AND CODE NOTES	3/15/10
CSA002	TEMPORARY CONSTRUCTION NOTES	12/23/09
CSA003	PHASE 1 PLATFORM, MEZZANINE AND ROOF PLANS	12/23/09
CSA004	PHASE 1 PHASING NOTES AND SECTIONS	12/23/09
CSA005	PHASE 2 PLATFORM, MEZZANINE AND ROOF PLANS	12/23/09
CSA006	PHASE 2 PHASING NOTES AND SECTIONS	12/23/09
CSA007	PHASE 3 PLATFORM, MEZZANINE AND ROOF PLANS	12/23/09
CSA008	PHASE 3 PHASING NOTES AND SECTIONS	12/23/09
CSA009	PHASE 4 PLATFORM, MEZZANINE AND ROOF PLANS	12/23/09
CSA010	PHASE 4 PHASING NOTES AND SECTIONS	12/23/09
CSA011	PHASE 4 END CONDITION NOTES AND SECTIONS	12/23/09
CSA260	PHASE 2 TEMPORARY PATH OPS ELEVATIONS, DETAILS AND WINDOW SCHEDULE	10/9/09
CSA261	PHASE 2 TEMPORARY RAMP AND STAIR DETAILS	10/9/09
CSA336	PHASE 3 MEZZANINE LEVEL PLAN EL. 264'-0"	10/9/09
CSA801	BARRICADE TYPES, FLOOR DECK DETAIL, PAINT SCHEDULE	10/9/09
CSA802	TEMPORARY AS NEEDED STAIR DETAILS, EXIT DISCHARGE ELEVATION AND NOTES	10/9/09
	MECHANICAL	
CSM136	PHASE 2 REMOVAL MEZZANINE LEVEL PART PLAN 2 EL. 264'-0"	3/15/10
CSM137	PHASE 2 REMOVAL MEZZANINE LEVEL PART PLAN 3 EL. 264'-0"	3/15/10
CSM236	PHASE 2 MEZZANINE LEVEL PART PLAN 2 EL. 264'-0"	3/15/10
CSM237	PHASE 2 MEZZANINE LEVEL PART PLAN 3 EL. 264'-0"	3/15/10
CSM240	PHASE 2 ROOF SHIELD LEVEL PART PLAN 2 EL. 282'-0"	3/15/10
CSM241	PHASE 2 ROOF SHIELD LEVEL PART PLAN 3 EL. 282'-0"	3/15/10
CSM331	PHASE 3 PLATFORM LEVEL PART PLAN 1 EL. 250'-3"	3/15/10
CSM334	PHASE 3 PLATFORM LEVEL PART PLAN 4 EL. 250'-3"	3/15/10
CSM335	PHASE 3 MEZZANINE LEVEL PART PLAN 1 EL. 264'-0"	3/15/10
CSM336	PHASE 3 MEZZANINE LEVEL PART PLAN 2 EL. 264'-0"	3/15/10
CSM337	PHASE 3 MEZZANINE LEVEL PART PLAN 3 EL. 264'-0"	3/15/10
CSM339	PHASE 3 SERVICE FLOOR PLAN EL. 290'-0"	3/15/10
CSM436	PHASE 4 MEZZANINE LEVEL PART PLAN 2 EL. 264'-0"	3/15/10
CSM437	PHASE 4 MEZZANINE LEVEL PART PLAN 3 EL. 264'-0"	3/15/10
CSM702	DETAILS	3/15/10
CSM703	DETAILS	3/15/10

Drawing	Title	Latest Date
CSM802	PHASE 2 AIR RISER DIAGRAMS	3/15/10
CSM803	PHASE 3 AIR RISER DIAGRAMS	3/15/10
CSM804	PHASE 4 AIR RISER DIAGRAMS	3/15/10
CSM903	SCHEDULES	3/15/10
VOL I	ELECTRICAL	
	GENERAL	
E0001	GENERAL NOTES	6/10/10
E0002	ABBREVIATIONS AND MANUFACTURER LIST	7/1/10
E0003	POWER, SINGLE LINE AND LIGHTING LEGEND	6/10/10
E0004	COMMUNICATION LEGEND FIRE ALARM LEGEND AND IDENTIFIERS	7/1/10
	PART PLANS	
E1001	EXISTING PLATFROM LEVEL OVERALL REMOVE PLAN EL. 250' - 3"	12/23/09
E1002	EXISTING MEZZANINE LEVEL REMOVE PLAN EL. 264' - 0"	12/23/09
E1003	EXISTING ROOF LEVEL REMOVE PLAN EL. 285' - 0"	12/23/09
	POWER	
EP0319	OCC UNDERFLOOR LAYOUT EL. 266'-0"	11/16/09
	EP0408 - 15KV POWER CONDUIT SECTIONS SHEET 1 OF 2 - DELETE	
EP0408A	15KV POWER CONDUIT SECTIONS SHEET 2 OF 2	10/9/09
EP0409	15KV UNDERGROUND DUCTBANK SECTIONS EL. 229'-6" AND EL. 237'-0" SHEET 1 OF 2	10/9/09
EP0409A	15KV UNDERGROUND DUCTBANK SECTIONS EL. 229'-6" AND EL. 237'-0" SHEET 2 OF 2	10/9/09
EP0411	DUCTBANK & MANHOLE DETAILS & SECTIONS EL. 237'-0"	11/16/09
EP0501	15KV POWER CABLE AND CONDUIT SCHEDULE	10/9/09
EP0502	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 1	10/9/09
EP0503	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 2	7/1/10
EP0503A	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 2A	10/9/09
EP0504	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 3	11/16/09
EP0504A	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 3A	2/1/10
EP0505	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 4	4/1/10
EP0505A	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 4A	6/10/10
EP0505B	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 4B	6/10/10
EP0506	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 5	4/1/10
EP0506A	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 5A	4/1/10
EP0506B	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 5B	4/1/10
EP0507	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 6	6/10/10
EP0508	480V POWER CABLE AND CONDUIT SCHEDULE SHEET 7	6/10/10
EP0509	SCADA CABLE AND CONDUIT SCHEDULE	10/9/09
EP0600	GROUNDING SYSTEM CONNECTION DIAGRAM	10/9/09
EP0604	HUB GROUNDING PLAN EL. 229'-6" AND EL. 237'-0"	2/1/10
EP0606	HUB GROUNDING PLAN EL. 274'-0"	10/9/09
EP0607	LIGHTNING SYSTEM DIAGRAM	2/1/10
EP0700	ELEV. AND ESCALATOR DETAILS	12/23/09
EP0701	ELECTRICAL DETAILS AND PLATFORM SECTION	6/10/10
EP0702	GROUNDING SYSTEM DETAILS SHEET 1 OF 2	6/10/10
EP0703	GROUNDING SYSTEM DETAILS SHEET 2 OF 2	6/10/10
EP0704	UTILITY TUNNEL ELECTRICAL SECTIONS	10/9/09
EP0708	WEST STREET CONCOURSE LEVEL ELECTRICAL EMBEDMENTS PART PLAN 12, EL. 284'-0"	10/9/09
EP0709	WEST STREET CONCOURSE LEVEL ELECTRICAL EMBEDMENTS PART PLAN 13, EL. 284'-0"	10/9/09
EP0710	SECTIONS ELECTRICAL EMBEDMENTS	10/9/09
EP0711	TYPICAL HEAT TRACING DETAILS	10/9/09
EP0801	TYPICAL SPOT NETWORK KEY INTERLOCK DIAGRAM	10/9/09
EP0802	KEY INTERLOCK PROCEDURES AND SCHEDULE	10/9/09
	EP0803 - TYPICAL 13.8KV SERVICE BREAKER SCHEMATIC DIAGRAM - DELETE	
	EP0804 - TYPICAL 13.8KV SPI FEEDER BREAKER SCHEMATIC DIAGRAM - DELETE	
	EP0805 - TYPICAL 13.8KV PORT AUTHORITY FEEDER BREAKER SCHEMATIC DIAGRAM - DELETE	
	EP0806 - TYPICAL 13.8KV FEEDER BREAKER SCHEMATIC DIAGRAM - DELETE	
	EP0807 - TYPICAL MULTIFUNCTION PROTECTIVE RELAY CONNECTION DIAGRAM - DELETE	
EP0808	WTC SCADA POINT LIST SHEET 1 OF 2	10/9/09
EP0808A	WTC SCADA POINT LIST SHEET 2 OF 2	12/23/09
	EP0809 - PDC MIMIC PANEL LAYOUT - DELETE	
	EP0810 - PDC ANNUNCIATOR PANEL LAYOUT - DELETE	
EP0811	WTC SCADA SYSTEM RISER DIAGRAM	10/9/09

Drawing	Title	Latest Date
EP0812	TYPICAL PDC WTC SCADA PANEL DETAIL AND WIRING DIAGRAM	10/9/09
EP0813	TYPICAL SPOT NETWORK WTC SCADA PANEL DETAIL AND WIRING DIAGRAM	10/9/09
EP0816	WTC SCADA SYSTEM NETWORK BLOCK DIAGRAM	10/9/09
EP0817	PATH SCADA SYSTEM PLATFORM SMOKE EXHAUST FAN INTERFACE	4/1/10
EP0817A	PATH MEZZANINE SMOKE EXHAUST SYSTEM - INTERFACE TO PATH SCADA SYSTEM & BMS	4/1/10
EP0833	TYPICAL MANHOLE AND DUCTBANK DETAILS SHEET 1 OF 2	10/9/09
EP0833A	TYPICAL MANHOLE AND DUCTBANK DETAILS SHEET 2 OF 2	10/9/09
EP0834	SPLICE CHAMBER ROOM # IV - 057 AND DETAILS EL 246'-0"	10/9/09
EP0835	EMERGENCY CONDUIT RISER ELEVATION AND DETAILS AT EL. 386'-0", EL. 274'-0" AND EL. 257'-6"	2/1/10
EP0835A	EMERGENCY CONDUIT RISER ELEVATION AND DETAILS AT EL. 424'-0" THROUGH EL. 257'- 0"	10/9/09
EP0836	CONDUIT RISER AND PULL BOX DETAIL AT EL. 386', 274', AND 257'-6"	10/9/09
EP0837	SPLICE CHAMBER ROOM # IV - 056 AND DETAILS EL 246'-0"	10/9/09
EP0838	UTILITY DUCTBANK SECTIONS	11/16/09
EP0839	RACEWAY FIRE STOPPING DETAILS	10/9/09
EP0840	SPECIFICATION NOTES	4/1/10
EP0841	TYPICAL CONDUIT EXPANSION AND DEFLECTION FITTINGS	10/9/09
EP0842	CONDUIT LAYOUT AND SECTIONS AT EL. 254' -0"	10/9/09
EP0843	CONDUIT SECTIONS AT ELEVATION 266'-0"	6/10/10
EP0844	CONDUIT SECTIONS AT ELEVATION 250'-0" AND 266'-0"	6/10/10
EP0845	CONDUIT SECTIONS AT SN-TN	7/1/10
EP0846A	SN-TS CONDUIT LAYOUT SHEET 1 OF 2	6/10/10
EP0846B	SN-TS CONDUIT LAYOUT SHEET 2 OF 2	6/10/10
EP0847	SN-NW, SN-PN AND EDS CONDUIT LAYOUT	10/9/09
EP0847A	SN-NW, SN-PN AND EDS CONDUIT LAYOUT SHEET 1 OF 2	6/10/10
EP0847B	SN-NW, SN-PN AND EDS CONDUIT LAYOUT SHEET 2 OF 2	6/10/10
EP0848	CONDUIT SECTIONS AT SN-NW & SN-PN SHEET 1 OF 3	12/23/09
EP0849	CONDUIT SECTIONS AT SN-NW & SN-PN SHEET 2 OF 3	10/9/09
EP0850	CONDUIT SECTIONS AT SN-NW & SN-PN SHEET 3 OF 3	6/10/10
EP0851	SECTIONS LOOKING AT SPOT NETWORK NW-2	10/9/09
EP0852	CONDUIT SECTIONS AT SN-TS	10/9/09
EP0853	CONDUIT SECTIONS AT ELEVATION 250'-0"	10/9/09
EP0856	CONDUIT SECTIONS AT ELEVATION 296'-0"	2/1/10
EP0860	CONDUIT SECTIONS AT ELEVATION 296'-0"	4/1/10
EP0861	OCULUS SKYLIGHT CONTROL SYSTEM DISTRIBUTION	7/1/10
EP0866	TYPICAL OCULUS SMOKE PURGE FAN RISER DIAGRAM	6/10/10
EP0867	TYPICAL OCULUS SMOKE PURGE FAN RISER DIAGRAM SHEET 1 OF 2	6/10/10
EP0868	TYPICAL OCULUS SMOKE PURGE FAN RISER DIAGRAM SHEET 2 OF 2	6/10/10
EP0869	TYPICAL OCULUS LIGHTING RISER DIAGRAM	7/1/10
EP0870	TYPICAL OCULUS PORTAL FRAME ELECTRICAL SECTION	7/1/10
EP1104	POWER CENTRAL PLANT LEVEL PART PLAN 4 EL. 229'-6"	6/10/10
EP1105	POWER CENTRAL PLANT LEVEL PART PLAN 5 EL. 229'-6"	10/9/09
EP1106	POWER CENTRAL PLANT LEVEL PART PLAN 6 EL. 229'-6"	12/23/09
EP1124	HEAT TRACING CENTRAL PLANT LEVEL OVERALL PLAN 4 EL. 229'-6"	10/9/09
EP1201	POWER CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	11/16/09
EP1202	POWER CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	7/1/10
EP1203	POWER CAR PARKING LEVEL PART PLAN 3 EL. 237'-0"	6/10/10
EP1204	POWER CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	7/1/10
EP1205	POWER CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	6/10/10
EP1206	POWER CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	10/9/09
EP1208	POWER CAR PARKING LEVEL PART PLAN 8 EL. 237'-0"	4/1/10
EP1210	POWER CAR PARKING LEVEL PART PLAN 10 EL. 237'-0"	10/9/09
EP1211	POWER INVERT LEVEL PART PLAN 11 EL. 242'-0"	11/16/09
EP1212	POWER INVERT LEVEL PART PLAN 12 EL. 242'-0"	12/23/09
EP1213	POWER INVERT LEVEL PART PLAN 13 EL. 242'-0"	6/10/10
EP1214	POWER INVERT LEVEL PART PLAN 14 EL. 242'-0"	10/9/09
EP1215	POWER INVERT LEVEL PART PLAN 15 EL. 242'-0"	11/16/09
EP1216	POWER INVERT LEVEL PART PLAN 16 EL. 242'-0"	4/1/10
EP1218	POWER INVERT LEVEL PART PLAN 18 EL. 242'-0"	11/16/09
EP1219	POWER INVERT LEVEL PART PLAN 19 EL. 242'-0"	10/9/09
EP1221	HEAT TRACING CAR PARKING LEVEL OVERALL PLAN 1 EL. 242'-0"	10/9/09
EP1223	HEAT TRACING CAR PARKING LEVEL OVERALL PLAN 3 EL. 242'-0"	10/9/09
EP1224	HEAT TRACING INVERT LEVEL OVERALL PLAN 4 EL. 242'-0"	10/9/09
EP1225	HEAT TRACING INVERT LEVEL OVERALL PLAN 5 EL. 242'-0"	10/9/09
EP1226	HEAT TRACING INVERT LEVEL OVERALL PLAN 6 EL. 242'-0"	10/9/09
EP1303	POWER BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	6/10/10

Drawing	Title	Latest Date
EP1305	POWER BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	6/10/10
EP1307	POWER BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	4/1/10
EP1308	POWER MEZZANINE LEVEL PART PLAN 8 EL. 250'-0"	6/10/10
EP1309	POWER BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	2/1/10
EP1311	POWER PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	6/10/10
EP1312	POWER PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	4/1/10
EP1313	POWER PLATFORM LEVEL PART PLAN 13 EL. 250'-0"	6/10/10
EP1314	POWER PLATFORM LEVEL PART PLAN 14 EL. 250'-0"	6/10/10
EP1315	POWER PLATFORM LEVEL PART PLAN 15 EL. 250'-0"	6/10/10
EP1316	POWER PLATFORM LEVEL PART PLAN 16 EL. 250'-0"	10/9/09
EP1318	POWER PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	10/9/09
EP1319	POWER PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	4/1/10
EP1321	HEAT TRACING PLATFORM LEVEL OVERALL PLAN 1 EL. 250'-0"	10/9/09
EP1322	HEAT TRACING PLATFORM LEVEL OVERALL PLAN 2 EL. 250'-0"	10/9/09
EP1323	HEAT TRACING PLATFORM LEVEL OVERALL PLAN 3 EL. 250'-0"	10/9/09
EP1324	HEAT TRACING PLATFORM LEVEL OVERALL PLAN 4 EL. 250'-0"	10/9/09
EP1325	HEAT TRACING PLATFORM LEVEL OVERALL PLAN 5 EL. 250'-0"	10/9/09
EP1406	POWER MEZZANINE LEVEL PART PLAN 6 EL. 266'-0"	10/9/09
EP1408	POWER MEZZANINE LEVEL PART PLAN 8 EL. 266'-0"	10/9/09
EP1411	POWER MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	10/9/09
EP1412	POWER MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	12/23/09
EP1413	POWER MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	11/16/09
EP1414	POWER MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	6/10/10
EP1415	POWER MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	7/1/10
EP1418	POWER MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	4/1/10
EP1419	POWER MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	6/10/10
EP1425	HEAT TRACING MEZZANINE LEVEL OVERALL PLAN 5 EL. 266'-0"	10/9/09
EP1501	POWER TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
EP1502	POWER TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	7/1/10
EP1503	POWER TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	6/10/10
EP1503A	TRANSIT HALL LEVEL RECEPTACLES LAYOUT PART PLAN 3 EL. 274'-0"	6/10/10
EP1504	POWER TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	7/1/10
EP1504A	TRANSIT HALL LEVEL RECEPTACLES LAYOUT PART PLAN 4 EL. 274'-0"	6/10/10
EP1505	POWER TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	6/10/10
EP1505A	TRANSIT HALL LEVEL RECEPTACLES LAYOUT PART PLAN 6 EL. 274'-0"	6/10/10
EP1506	POWER TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	6/10/10
EP1506A	TRANSIT HALL LEVEL RECEPTACLES LAYOUT PART PLAN 6 EL. 274'-0"	6/10/10
EP1507	POWER TRANSIT HALL LEVEL PART PLAN 7 EL. 274'-0"	6/10/10
EP1508	POWER TRANSIT HALL LEVEL PART PLAN 8 EL. 274'-0"	2/1/10
EP1509	POWER TRANSIT HALL LEVEL PART PLAN 9 EL. 274'-0"	2/1/10
EP1512	POWER TRANSIT HALL LEVEL PART PLAN 12 EL. 274'-0"	10/9/09
EP1515	POWER TRANSIT HALL LEVEL PART PLAN 15 EL. 274'-0"	6/10/10
EP1519	POWER TRANSIT HALL LEVEL PART PLAN 19 EL. 274'-0"	10/9/09
EP1603	POWER DEY STREET CONCOURSE LEVEL PART PLAN 3 ELEV. 284'-6"	10/9/09
EP1605	POWER DEY STREET CONCOURSE LEVEL PART PLAN 5 ELEV. 284'-6"	10/9/09
EP1611	POWER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'-0"	11/16/09
EP1612	POWER DEY STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'-6"	10/9/09
EP1614	POWER WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'-0"	10/9/09
EP1615	POWER WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	7/1/10
EP1616	POWER WEST STREET CONCOURSE LEVEL PART PLAN 16 EL. 284'-0"	10/9/09
EP1618	POWER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 284'-0"	10/9/09
EP1619	POWER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 284'-0"	7/1/10
EP1620	POWER WEST STREET CONCOURSE LEVEL PART PLAN 20 EL. 284'-0"	10/9/09
EP1701	POWER UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	7/1/10
EP1702	POWER UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	7/1/10
EP1703	POWER UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	7/1/10
EP1703A	OCULUS POWER CONDUIT ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	7/1/10
EP1704	POWER UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10
EP1704A	OCULUS POWER CONDUIT ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10
EP1705	POWER UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	6/10/10
EP1705A	OCULUS POWER CONDUIT ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	7/1/10
EP1706	POWER UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	7/1/10
EP1706A	OCULUS POWER CONDUIT ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	7/1/10
EP1707	POWER UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	4/1/10
EP1708	POWER UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	2/1/10

Drawing	Title	Latest Date
EP1709	POWER UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	6/10/10
EP1710	POWER UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	10/9/09
EP1711	POWER UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 296'-0"	11/16/09
EP1714	POWER UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 296'-0"	10/9/09
EP1801	POWER PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'-0"	11/16/09
EP1803	POWER PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	7/1/10
EP1803A	OCULUS POWER CONDUIT ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	7/1/10
EP1805	POWER PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	4/1/10
EP1809	POWER PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	4/1/10
EP1812	SUB GROUND LEVEL PART PLAN 12 EL. 306'0"	10/9/09
EP1815	SUB GROUND LEVEL PART PLAN 15 EL. 306'-0"	2/26/10
EP1901	POWER GROUND LEVEL PART PLAN 1 EL.326'-0"	10/9/09
EP1902	POWER GROUND LEVEL PART PLAN 2 EL.326'-0"	10/9/09
EP1903	POWER GROUND LEVEL PART PLAN 3 EL. 326'-0"	6/10/10
EP1903A	POWER GROUND LEVEL UNDER SLAB PART PLAN 3	10/9/09
EP1904	POWER GROUND LEVEL PART PLAN 4 EL. 326'-0"	7/1/10
EP1904A	POWER GROUND LEVEL UNDER SLAB PART PLAN 4	10/9/09
EP1905	POWER GROUND LEVEL PART PLAN 5 EL. 326'-0"	6/10/10
EP1905A	POWER GROUND LEVEL UNDER SLAB PART PLAN 5	10/9/09
EP1906	POWER GROUND LEVEL PART PLAN 6 EL. 326'-0"	7/1/10
EP1906A	POWER GROUND LEVEL UNDER SLAB PART PLAN 6	10/9/09
EP1907	POWER GROUND LEVEL PART PLAN 7 EL.326'-0"	10/9/09
EP1908	POWER GROUND LEVEL PART PLAN 8 EL.326'-0"	10/9/09
EP1909	POWER GROUND LEVEL PART PLAN 9 EL.326'-0"	10/9/09
EP1911	POWER GROUND LEVEL PART PLAN 11 EL.326'-0"	6/10/10
EP1919	POWER GROUND LEVEL PART PLAN 19	10/9/09
EP1920	GROUND LEVEL PART PLAN 20 EL.326'	10/9/09
EP2202	POWER ABOVE GROUND MEP LEVEL PART PLAN 2 EL. 386'-0"	11/16/09
EP2207	POWER ABOVE GROUND MEP LEVEL PART PLAN 7 EL. 386'-0"	10/9/09
EP2208	POWER ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 386'-0"	6/10/10
EP2209	POWER ABOVE GROUND MEP LEVEL PART PLAN 9 EL. 386'-0"	6/10/10
EP2210	POWER ABOVE GROUND MEP LEVEL PART PLAN 10 EL. 386'-0"	6/10/10
EP2301	POWER ABOVE GROUND MEP LEVEL PART PLAN 1 EL. 404'-0"	10/9/09
EP2302	POWER ABOVE GROUND MEP LEVEL PART PLAN 2 EL. 404'-0"	6/10/10
EP2307	POWER ABOVE GROUND MEP LEVEL PART PLAN 7 EL. 404'-0"	11/16/09
EP2308	POWER ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 404'-0"	11/16/09
EP2309	POWER ABOVE GROUND MEP LEVEL PART PLAN 9 EL. 404'-0"	10/9/09
EP2310	POWER ABOVE GROUND MEP LEVEL PART PLAN 10 EL. 404'-0"	7/1/10
EP6282	ROOF SMOKE PURGE FAN POWER PLAN	6/10/10
EP6283	TRANSIT HALL OPERABLE SKYLIGHT POWER PLAN	6/10/10
EP6284	TRANSIT HALL OCULUS RECEPTACLE AND LIGHTING CIRCUITS PLAN	7/1/10
	LIGHTING	
EL0001	LIGHTING CONTROL DIAGRAM	10/9/09
EL0201	BACK OF HOUSE LIGHTING FIXTURE SCHEDULE AND OCCUPANCY SENSOR SCHEDULE	10/9/09
EL0202	PUBLIC AREA LIGHTING FIXTURE SCHEDULE	6/10/10
EL0301	LIGHTING FIXTURE DETAILS SHEET 1 OF 8	6/10/10
EL0302	LIGHTING FIXTURE DETAILS SHEET 2 OF 8	6/10/10
EL0303	LIGHTING FIXTURE DETAILS SHEET 3 OF 8	4/1/10
EL0304	LIGHTING FIXTURE DETAILS SHEET 4 OF 8	11/16/09
EL0305	LIGHTING FIXTURE DETAILS SHEET 5 OF 8	11/16/09
EL0306	LIGHTING FIXTURE DETAILS SHEET 6 OF 8	11/16/09
EL0307	LIGHTING FIXTURE DETAILS SHEET 7 OF 8	4/1/10
EL0308	LIGHTING FIXTURE DETAILS SHEET 8 OF 8	6/10/10
EL0501	LIGHTING CONTROL RELAY PANEL SCHEDULES SHEET 1	4/1/10
EL0502	LIGHTING CONTROL RELAY PANEL SCHEDULES SHEET 2	4/1/10
EL1104	LIGHTING CENTRAL PLANT LEVEL PART PLAN 4 EL. 232'-0"	10/9/09
EL1105	LIGHTING CENTRAL PLANT LEVEL PART PLAN 5 EL. 232'-0"	10/9/09
EL1106	LIGHTING CENTRAL PLANT LEVEL PART PLAN 6 EL. 232'-0"	10/9/09
EL1113	LIGHTING CENTRAL PLANT LEVEL PART PLAN 13 EL. 232'-0"	10/9/09
EL1201	LIGHTING CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	6/10/10
EL1202	LIGHTING CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
EL1204	LIGHTING CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	11/16/09
EL1205	LIGHTING CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	11/16/09

Drawing	Title	Latest Date
EL1206	LIGHTING CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	11/16/09
EL1207	LIGHTING CAR PARKING LEVEL PART PLAN 7 EL. 237'-0"	10/9/09
EL1208	LIGHTING CAR PARKING LEVEL PART PLAN 8 EL. 237'-0"	10/9/09
EL1209	LIGHTING CAR PARKING LEVEL PART PLAN 9 EL. 237'-0"	10/9/09
EL1210	LIGHTING CAR PARKING LEVEL PART PLAN 10 EL. 237'-0"	10/9/09
EL1211	LIGHTING INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
EL1212	LIGHTING INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
EL1213	LIGHTING INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
EL1214	LIGHTING INVERT LEVEL PART PLAN 14 EL. 242'-0"	10/9/09
EL1215	LIGHTING INVERT LEVEL PART PLAN 15 EL. 242'-0"	10/9/09
EL1216	LIGHTING INVERT LEVEL PART PLAN 16 EL. 242'-0"	10/9/09
EL1218	LIGHTING INVERT LEVEL PART PLAN 18 EL. 242'-0"	10/9/09
EL1219	LIGHTING INVERT LEVEL PART PLAN 19 EL. 242'-0"	10/9/09
EL1301	LIGHTING BUS PARKING LEVEL PART PLAN 1 EL. 254'-0"	10/9/09
EL1302	LIGHTING BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	11/16/09
EL1303	LIGHTING BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	11/16/09
EL1304	LIGHTING BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	6/10/10
EL1305	LIGHTING BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	11/16/09
EL1306	LIGHTING BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	11/16/09
EL1307	LIGHTING BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	6/10/10
EL1308	LIGHTING BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	4/1/10
EL1309	LIGHTING BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	4/1/10
EL1310	LIGHTING BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	4/1/10
EL1311	LIGHTING PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	4/1/10
EL1312	LIGHTING PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	2/1/10
EL1313	LIGHTING PLATFORM LEVEL PART PLAN 13 EL. 250'-0"	2/1/10
EL1314	LIGHTING PLATFORM LEVEL PART PLAN 14 EL. 250'-0"	6/10/10
EL1315	LIGHTING PLATFORM LEVEL PART PLAN 15 EL. 250'-0"	4/1/10
EL1316	LIGHTING PLATFORM LEVEL PART PLAN 16 EL. 250'-0"	10/9/09
EL1317	LIGHTING PLATFORM LEVEL PART PLAN 17 EL. 250'-0"	10/9/09
EL1318	LIGHTING PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	10/9/09
EL1319	LIGHTING PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	11/16/09
EL1320	LIGHTING PLATFORM LEVEL PART PLAN 20 EL. 250'-0"	10/9/09
EL1321	LIGHTING PLATFORM LEVEL PART PLAN 21 EL. 250'-0"	10/9/09
EL1402	LIGHTING MEZZANINE LEVEL PART PLAN 2 EL. 266'-0"	10/9/09
EL1404	LIGHTING MEZZANINE LEVEL PART PLAN 4 EL. 266'-0"	4/1/10
EL1406	LIGHTING MEZZANINE LEVEL PART PLAN 6 EL. 266'-0"	4/1/10
EL1409	LIGHTING MEZZANINE LEVEL PART PLAN 9 EL. 266'-0"	10/9/09
EL1411	LIGHTING MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	11/16/09
EL1412	LIGHTING MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	4/1/10
EL1413	LIGHTING MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	4/1/10
EL1414	LIGHTING MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	11/16/09
EL1415	LIGHTING MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	6/10/10
EL1418	LIGHTING MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	10/9/09
EL1419	LIGHTING MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	2/1/10
EL1501	LIGHTING TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
EL1502	LIGHTING TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	7/1/10
EL1503	LIGHTING TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	11/16/09
EL1504	LIGHTING TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	11/16/09
EL1505	LIGHTING TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	11/16/09
EL1506	LIGHTING TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	11/16/09
EL1507	LIGHTING TRANSIT HALL LEVEL PART PLAN 7 EL. 274'-0"	11/16/09
EL1508	LIGHTING TRANSIT HALL LEVEL PART PLAN 8 EL. 274'-0"	11/16/09
EL1509	LIGHTING TRANSIT HALL LEVEL PART PLAN 9 EL. 274'-0"	11/16/09
EL1510	LIGHTING TRANSIT HALL LEVEL PART PLAN 10 EL. 274'-0"	11/16/09
EL1511	LIGHTING TRANSIT HALL LEVEL PART PLAN 11 EL. 274'-0"	10/9/09
EL1514	LIGHTING TRANSIT HALL LEVEL PART PLAN 14 EL. 274'-0"	10/9/09
EL1519	LIGHTING TRANSIT HALL LEVEL PART PLAN 19 EL. 274'-0"	11/16/09
EL1603	LIGHTING DEY STREET CONCOURSE LEVEL PART PLAN 3 EL. 284'-6"	11/16/09
EL1611	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'-0"	10/9/09
EL1612	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'-0"	2/1/10
EL1613	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 13 EL. 284'-0"	11/16/09
EL1614	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'-0"	11/16/09
EL1615	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	7/1/10
EL1618	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 284'-0"	11/16/09

Drawing	Title	Latest Date
EL1619	LIGHTING WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 284'-0"	11/16/09
EL1701	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	11/16/09
EL1702	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	6/10/10
EL1703	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	11/16/09
EL1704	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	6/10/10
EL1705	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	6/10/10
EL1706	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	6/10/10
EL1707	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	6/10/10
EL1708	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	11/16/09
EL1709	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	11/16/09
EL1710	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	10/9/09
EL1711	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 296'-0"	10/9/09
EL1714	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 296'-0"	10/9/09
EL1719	LIGHTING UPPER TRANSIT HALL LEVEL PART PLAN 19 EL. 296'-0"	10/9/09
EL1801	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'-0"	11/16/09
EL1803	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	11/16/09
EL1805	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	11/16/09
EL1806	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 306'-0"	10/9/09
EL1807	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 306'-0"	10/9/09
EL1808	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 306'-0"	10/9/09
EL1809	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	10/9/09
EL1811	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 306'-0"	10/9/09
EL1812	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 12 EL. 306'-0"	10/9/09
EL1819	LIGHTING PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 19 EL. 306'-0"	10/9/09
EL1903	LIGHTING GROUND LEVEL PART PLAN 3	11/16/09
EL1904	LIGHTING GROUND LEVEL PART PLAN 4	11/16/09
EL1905	LIGHTING GROUND LEVEL PART PLAN 5	11/16/09
EL1906	LIGHTING GROUND LEVEL PART PLAN 6	11/16/09
EL1911	LIGHTING GROUND LEVEL PART PLAN 11	10/9/09
EL1912	LIGHTING GROUND LEVEL PART PLAN 12	10/9/09
EL2208	LIGHTING ABOVE GRADE MEP LEVEL PART PLAN 8 EL. 386'-0"	10/9/09
EL2210	LIGHTING ABOVE GRADE MEP LEVEL PART PLAN 10 EL. 386'-0"	10/9/09
EL2302	LIGHTING ABOVE GRADE MEP LEVEL PART PLAN 2 EL. 404'-0"	10/9/09
EL2308	LIGHTING ABOVE GRADE MEP LEVEL PART PLAN 8 EL. 404'-0"	10/9/09
VOL 5	ELECTRICAL	
	SYSTEM DIAGRAMS	
EC0009	PATH AUTOMATIC FARE COLLECTION SYSTEM EQUIPMENT BLOCK DIAGRAM	10/9/09
	REGIONAL PLANS 1/16"=1'-0"	
EC0110	COMMUNICATION RACEWAY ROUTING EL. 229'-6"	11/16/09
	SCHEDULES	
EC0801	DATA NETWORK EQUIPMENT SCHEDULE	6/10/10
EC0802	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 1 OF 14)	10/9/09
EC0803	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 2 OF 14)	10/9/09
EC0804	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 3 OF 14)	10/9/09
EC0805	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 4 OF 14)	10/9/09
EC0806	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 5 OF 14)	10/9/09
EC0807	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 6 OF 14)	10/9/09
EC0808	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 7 OF 14)	10/9/09
EC0809	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 8 OF 14)	10/9/09
EC0810	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 9 OF 14)	10/9/09
EC0811	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 10 OF 14)	10/9/09
EC0812	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 11 OF 14)	10/9/09
EC0813	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 12 OF 14)	10/9/09
EC0814	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 13 OF 14)	10/9/09
EC0815	WTC PATH STATION OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 14 OF 14)	10/9/09
EC0816	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 1 OF 18)	10/9/09
EC0817	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 2 OF 18)	10/9/09
EC0818	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 3 OF 18)	10/9/09
EC0819	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 4 OF 18)	10/9/09
EC0820	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 5 OF 18)	10/9/09
EC0821	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 6 OF 18)	10/9/09

Drawing	Title	Latest Date
EC0822	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 7 OF 18)	10/9/09
EC0823	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 8 OF 18)	10/9/09
EC0824	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 9 OF 18)	10/9/09
EC0825	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 10 OF 18)	10/9/09
EC0826	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 11 OF 18)	10/9/09
EC0827	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 12 OF 18)	10/9/09
EC0828	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 13 OF 18)	10/9/09
EC0829	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 14 OF 18)	10/9/09
EC0830	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 15 OF 18)	10/9/09
EC0831	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 16 OF 18)	10/9/09
EC0832	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 17 OF 18)	10/9/09
EC0833	WTC TERMINAL OPTICAL FIBER CABLE ALLOCATION TABLES (SHEET 18 OF 18)	10/9/09
EC0834	OPTICAL FIBER CABLE PATCH TABLES (SHEET 1 OF 7)	11/16/09
EC0835	OPTICAL FIBER CABLE PATCH TABLES (SHEET 2 OF 7)	11/16/09
EC0836	OPTICAL FIBER CABLE PATCH TABLES (SHEET 3 OF 7)	10/9/09
EC0837	OPTICAL FIBER CABLE PATCH TABLES (SHEET 4 OF 7)	11/16/09
EC0838	OPTICAL FIBER CABLE PATCH TABLES (SHEET 5 OF 7)	11/16/09
EC0839	OPTICAL FIBER CABLE PATCH TABLES (SHEET 6 OF 7)	11/16/09
EC0840	OPTICAL FIBER CABLE PATCH TABLES (SHEET 7 OF 7)	10/9/09
EC0841	SONET AND ETHERNET SWITCH SCHEDULES	10/9/09
	PART PLANS 1/8"=1'-0"	
EC1211	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 11 EL 242'-0"	10/9/09
EC1212	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 12 EL 242'-0"	4/1/10
EC1213	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 13 EL 242'-0"	10/9/09
EC1214	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 14 EL 242'-0"	10/9/09
EC1215	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 15 EL 242'-0"	10/9/09
EC1216	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 16 EL 242'-0"	10/9/09
EC1217	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 17 EL 242'-0"	10/9/09
EC1218	COMMUNICATIONS RACEWAY ROUTING INVERT/CAR PARKING LEVEL PART PLAN 18 EL 242'-0"	10/9/09
EC1302	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 2 EL 264'-0"	1/0/00
EC1304	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 4 EL 254'-0"	7/1/10
EC1306	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 6 EL 254'-0"	2/1/10
EC1307	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 7 EL 254'-0"	10/9/09
EC1308	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 8 EL 254'-0"	10/9/09
EC1311	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 11 EL 250'-0"	10/9/09
EC1312	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 12 EL 250'-3"	11/16/09
EC1313	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 13 EL 250-'3"	10/9/09
EC1314	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 14 EL 250'-3"	10/9/09
EC1315	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 15 EL 250'-3"	10/9/09
EC1316	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 16 EL 250'-3"	10/9/09
EC1317	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 17 EL 250'-3"	10/9/09
EC1318	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 18 EL 250'-3"	10/9/09
EC1319	COMMUNICATIONS RACEWAY ROUTING PLATFORM/ BUS PARKING LEVEL PART PLAN 19 EL 250'-3"	10/9/09
EC1402	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 2 EL 266'-0"	10/9/09
EC1404	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 4 EL 266'-0"	10/9/09
EC1406	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 6 EL 266'-0"	10/9/09
EC1411	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 11 EL 266'-0"	10/9/09
EC1412	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	11/16/09
EC1413	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 13 EL 266'-0"	11/16/09
EC1414	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	10/9/09
EC1415	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	10/9/09
EC1418	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 18 EL 266'-0"	10/9/09
EC1419	COMMUNICATIONS RACEWAY ROUTING MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	10/9/09
EC1601	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	10/9/09
EC1602	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 2 EL 274'-0"	10/9/09
EC1503	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 3 EL 274'-0"	10/9/09
EC1504	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 4 EL 274'-0"	7/1/10
EC1505	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 5 EL 274'-0"	10/9/09
EC1506	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 6 EL 274'-0"	7/1/10
EC1507	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 7 EL 274'-0"	6/10/10
EC1508	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 8 EL 274'-0"	10/9/09
EC1511	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 11 EL 274'-0"	10/9/09
EC1512	COMMUNICATIONS RACEWAY ROUTING TRANSIT HALL LEVEL PART PLAN 12 EL 274'-0"	10/9/09
EC1611	COMMUNICATIONS RACEWAY ROUTING UPPER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	10/9/09

Drawing	Title	Latest Date
EC1612	COMMUNICATIONS RACEWAY ROUTING UPPER WEST STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	10/9/09
EC1615	COMMUNICATIONS RACEWAY ROUTING UPPER WEST STREET CONCOURSE LEVEL PART PLAN 15 EL 284'-0"	10/9/09
EC1618	COMMUNICATIONS RACEWAY ROUTING UPPER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	10/9/09
EC1619	COMMUNICATIONS RACEWAY ROUTING UPPER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	10/9/09
EC1701	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 296'-0"	10/9/09
EC1702	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 296'-0"	2/1/10
EC1703	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 296'-0"	10/9/09
EC1704	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 296'-0"	7/1/10
EC1705	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	10/9/09
EC1706	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	7/1/10
EC1707	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	10/9/09
EC1708	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	10/9/09
EC1709	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	10/9/09
EC1801	COMMUNICATIONS RACEWAY ROUTING UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 306'-0"	10/9/09
EC2221	COMMUNICATIONS RACEWAY ROUTING MEP LEVEL PART PLAN 21 EL.386'-0" TOWER 3	10/9/09
EC2223	COMMUNICATIONS RACEWAY ROUTING MEP LEVEL PART PLAN 23 EL.386'-0" TOWER 4	10/9/09
EC2322	COMMUNICATIONS RACEWAY ROUTING MEP LEVEL PART PLAN 22 EL.404'-0" TOWER 2	10/9/09
	DETAILS	
EC6112	COMMUNICATIONS RACEWAY INSTALLATION DETAILS (SHEET 1 OF 2)	10/9/09
EC6113	COMMUNICATIONS RACEWAY INSTALLATION DETAILS (SHEET 2 OF 2)	10/9/09
EC6114	COMMUNICATIONS RACEWAY FIRE STOPPING DETAILS	10/9/09
EC6115	COMMUNICATIONS EQUIPMENT IN ELECTRICAL CLOSETS	10/9/09
EC6116	CONDUIT SECTIONS IN TOWER 2	2/1/10
EC6120	PATH AUTOMATIC FARE COLLECTION EQUIPMENT LOCATIONS EL.266'-0"	10/9/09
	TELEPHONE	
	REGIONAL PLANS 1/16"=1'-0"	
ET0110	TELEPHONE LOCATION EL. 229'-6"	10/9/09
	SCHEDULES	
ET0801	TELEPHONE EQUIPMENT SCHEDULE	10/9/09
	PART PLANS 1/8"=1'-0"	
ET1202	TELEPHONE LOCATION INVERT/CAR PARKING LEVEL PART PLAN 2 EL.237'-0"	10/9/09
ET1204	TELEPHONE LOCATION INVERT/CAR PARKING LEVEL PART PLAN 4 EL.237'-0"	10/9/09
ET1216	TELEPHONE LOCATION INVERT/CAR PARKING LEVEL PART PLAN 16 EL 242'-0"	10/9/09
ET1218	TELEPHONE LOCATION INVERT/CAR PARKING LEVEL PART PLAN 18 EL 242'-0"	10/9/09
ET1219	TELEPHONE LOCATION INVERT/CAR PARKING LEVEL PART PLAN 19 EL 242'-0"	10/9/09
ET1303	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 3 EL 254'-0"	10/9/09
ET1304	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 4 EL 254'-0"	10/9/09
ET1305	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 5 EL 254'-0"	10/9/09
ET1306	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 6 EL 254'-0"	10/9/09
ET1307	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 7 EL 254'-0"	10/9/09
ET1310	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 10 EL 254'-0"	10/9/09
ET1311	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 11 EL 250'-3"	10/9/09
ET1312	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 12 EL 250'-3"	10/9/09
ET1313	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 13 EL 250'-3"	10/9/09
ET1314	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 14 EL 250'-3"	10/9/09
ET1315	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 15 EL 250'-3"	10/9/09
ET1316	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 16 EL 250'-3"	10/9/09
ET1317	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 17 EL 250'-3"	10/9/09
ET1319	TELEPHONE LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 19 EL 250'-3"	10/9/09
ET1404	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 4 EL 266'-0"	10/9/09
ET1406	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 6 EL 266'-0"	10/9/09
ET1411	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 11 EL 266'-0"	10/9/09
ET1412	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	10/9/09
ET1413	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 13 EL 266'-0"	10/9/09
ET1414	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	10/9/09
ET1415	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	10/9/09
ET1418	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 18 EL 266'-0"	10/9/09
ET1419	TELEPHONE LOCATION MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	10/9/09
ET1501	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 1 EL 274'-0"	7/1/10
ET1502	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 2 EL 274'-0"	7/1/10
ET1503	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 3 EL 274'-0"	10/9/09

Drawing	Title	Latest Date
ET1504	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 4 EL 274'-0"	10/9/09
ET1505	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 5 EL 274'-0"	10/9/09
ET1506	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 6 EL 274'-0"	10/9/09
ET1507	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 7 EL 274'-0"	10/9/09
ET1508	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 8 EL 274'-0"	10/9/09
ET1509	TELEPHONE LOCATION TRANSIT HALL LEVEL PART PLAN 9 EL 274'-0"	10/9/09
ET1611	TELEPHONE LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	10/9/09
ET1612	TELEPHONE LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	10/9/09
ET1618	TELEPHONE LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	10/9/09
ET1619	TELEPHONE LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	10/9/09
ET1701	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 296'-0"	10/9/09
ET1702	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 296'-0"	10/9/09
ET1703	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 296'-0"	10/9/09
ET1704	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 296'-0"	7/1/10
ET1705	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	10/9/09
ET1706	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	7/1/10
ET1707	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	10/9/09
ET1708	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	10/9/09
ET1709	TELEPHONE LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	10/9/09
ET1803	TELEPHONE LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	10/9/09
ET1908	TELEPHONE LOCATION GROUND LEVEL PART PLAN 8	10/9/09
ET2221	TELEPHONE LOCATION MEP LEVEL PART PLAN 21 EL. 386'-0" TOWER 3	10/9/09
ET2223	TELEPHONE LOCATION MEP LEVEL PART PLAN 23 EL. 386'-0" TOWER 4	10/9/09
ET2322	TELEPHONE LOCATION MEP LEVEL PART PLAN 22 EL. 404'-0" TOWER 2	10/9/09
	SECURITY	
	REGIONAL PLANS 1/16"=1'-0"	
ES0110	SACS LAYOUT PLAN EL. 229'-6"	11/16/09
	PART PLANS 1/8"=1'-0"	
ES1201	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 1 237'-0"	6/10/10
ES1202	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 2 237'-0"	6/10/10
ES1204	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 4 237'-0"	11/16/09
ES1205	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 5 237'-0"	2/1/10
ES1206	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 6 237'-0"	2/1/10
ES1214	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 14 242'-0"	10/9/09
ES1218	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 18 242'-0"	11/16/09
ES1219	SACS LOCATION INVERT/CAR PARKING LEVEL PART PLAN 19 242'-0"	10/9/09
ES1302	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	11/16/09
ES1303	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	2/1/10
ES1304	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	11/16/09
ES1305	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	2/1/10
ES1306	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	11/16/09
ES1307	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	6/10/10
ES1308	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	10/9/09
ES1309	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	2/1/10
ES1310	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	10/9/09
ES1311	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 11 EL. 250'-3"	11/16/09
ES1312	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 12 EL. 250'-3"	11/16/09
ES1313	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 13 EL. 250'-3"	11/16/09
ES1314	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 14 EL. 250'-3"	11/16/09
ES1315	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 15 EL. 250'-3"	10/9/09
ES1318	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 18 EL. 250'-3"	10/9/09
ES1319	SACS LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 19 EL. 250'-3"	10/9/09
ES1404	SACS LOCATION MEZZANINE LEVEL PART PLAN 4 EL 266'-0"	11/16/09
ES1409	SACS LOCATION MEZZANINE LEVEL PART PLAN 9 EL 266'-0"	10/9/09
ES1410	SACS LOCATION MEZZANINE LEVEL PART PLAN 10 EL 266'-0"	6/10/10
ES1411	SACS LOCATION MEZZANINE LEVEL PART PLAN 11 EL 266'-0"	11/16/09
ES1412	SACS LOCATION MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	11/16/09
ES1413	SACS LOCATION MEZZANINE LEVEL PART PLAN 13 EL 266'-0"	11/16/09
ES1414	SACS LOCATION MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	6/10/10
ES1415	SACS LOCATION MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	11/16/09
ES1418	SACS LOCATION MEZZANINE LEVEL PART PLAN 18 EL 266'-0"	4/1/10
ES1419	SACS LOCATION MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	11/16/09
ES1501	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 1 EL 274'-0"	7/1/10

Drawing	Title	Latest Date
ES1602	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 2 EL 274'-0"	7/1/10
ES1503	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 3 EL 274'-0"	2/1/10
ES1504	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 4 EL 274'-0"	11/16/09
ES1505	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 5 EL 274'-0"	2/1/10
ES1506	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 6 EL 274'-0"	7/1/10
ES1507	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 7 EL 274'-0"	2/1/10
ES1508	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 8 EL 274'-0"	2/1/10
ES1509	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 9 EL 274'-0"	2/1/10
ES1510	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 10 EL 274'-0"	2/1/10
ES1512	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 12 EL 274'-0"	11/16/09
ES1513	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 13 EL 274'-0"	11/16/09
ES1514	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 14 EL 274'-0"	11/16/09
ES1519	SACS LOCATION TRANSIT HALL LEVEL PART PLAN 19 EL 274'-0"	10/9/09
ES1603	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 3 EL 284'-0"	2/1/10
ES1605	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 5 EL 284'-0"	2/1/10
ES1611	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	6/10/10
ES1612	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	11/16/09
ES1613	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 13 EL 284'-0"	6/10/10
ES1614	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 14 EL 284'-0"	11/16/09
ES1615	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 15 EL 284'-0"	10/9/09
ES1616	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 16 EL 284'-0"	10/9/09
ES1618	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	10/9/09
ES1619	SACS LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	10/9/09
ES1701	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 296'-0"	6/10/10
ES1702	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 296'-0"	6/10/10
ES1703	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 296'-0"	2/1/10
ES1704	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 296'-0"	2/1/10
ES1705	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	6/10/10
ES1706	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	2/1/10
ES1707	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	6/10/10
ES1708	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	2/1/10
ES1709	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	2/1/10
ES1710	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 10 EL 296'-0"	10/9/09
ES1719	SACS LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 19 EL 296'-0"	10/9/09
ES1801	SACS LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 306'-0"	2/1/10
ES1802	SACS LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 306'-0"	10/9/09
ES1803	SACS LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 306'-0"	2/1/10
ES1805	SACS LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 306'-0"	2/1/10
ES1809	SACS LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 306'-0"	10/9/09
ES1901	SACS LOCATION GROUND LEVEL PART PLAN 1	10/9/09
ES1902	SACS LOCATION GROUND LEVEL PART PLAN 2	10/9/09
ES1903	SACS LOCATION GROUND LEVEL PART PLAN 3	2/1/10
ES1904	SACS LOCATION GROUND LEVEL PART PLAN 4	2/1/10
ES1905	SACS LOCATION GROUND LEVEL PART PLAN 5	2/1/10
ES1906	SACS LOCATION GROUND LEVEL PART PLAN 6	2/1/10
ES1907	SACS LOCATION GROUND LEVEL PART PLAN 7	10/9/09
ES1908	SACS LOCATION GROUND LEVEL PART PLAN 8	10/9/09
ES1909	SACS LOCATION GROUND LEVEL PART PLAN 9	10/9/09
ES1910	SACS LOCATION GROUND LEVEL PART PLAN 10	10/9/09
ES1911	SACS LOCATION GROUND LEVEL PART PLAN 11	10/9/09
ES1912	SACS LOCATION GROUND LEVEL PART PLAN 12	10/9/09
ES1914	SACS LOCATION GROUND LEVEL PART PLAN 14	10/9/09
ES1918	SACS LOCATION GROUND LEVEL PART PLAN 18	10/9/09
ES1919	SACS LOCATION GROUND LEVEL PART PLAN 19	10/9/09
ES2001	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 1 EL. 346'-0"	10/9/09
ES2002	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 2 EL. 346'-0"	2/1/10
ES2007	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 7 EL. 346'-0"	2/1/10
ES2008	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 8 EL. 346'-0"	10/9/09
ES2009	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 9 EL. 346'-0"	2/1/10
ES2010	SACS LOCATION ABOVE GRADE RETAIL LEVEL 1 PART PLAN 10 EL. 346'-0"	2/1/10
ES2101	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 1 EL. 366'-0"	10/9/09
ES2102	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 2 EL. 366'-0"	2/1/10
ES2107	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 7 EL. 366'-0"	2/1/10
ES2108	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 8 EL. 366'-0"	2/1/10
ES2109	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 9 EL. 366'-0"	2/1/10

Drawing	Title	Latest Date
ES2110	SACS LOCATION ABOVE GRADE RETAIL LEVEL PART PLAN 10 EL. 366'-0"	2/1/10
ES2221	SACS LOCATION MEP LEVEL PART PLAN 21 EL. 386'-0" TOWER 3	2/1/10
ES2222	SACS LOCATION MEP LEVEL PART PLAN 24 EL. 386'-0" TOWER 2	2/1/10
ES2223	SACS LOCATION MEP LEVEL PART PLAN 23 EL. 386'-0" TOWER 4	2/1/10
ES2321	SACS LOCATION MEP LEVEL PART PLAN 21 EL. 404'-0" TOWER 3	6/10/10
ES2322	SACS LOCATION MEP LEVEL PART PLAN 22 EL. 404'-0" TOWER 2	2/1/10
ES2323	SACS LOCATION MEP LEVEL PART PLAN 23 EL. 404'-0" TOWER 4	6/10/10
	DETAILS	
ES6101	SACS DOOR AND GATE INSTALLATION DETAILS	10/9/09
ES6103	CCTV DETAILS	10/9/09
ES6105	SACS DEVICE INSTALLATION DETAILS	10/9/09
	RADIO	
	SCHEDULES	
ER0801	RADIO SYSTEM EQUIPMENT AND DEVICE SCHEDULE (SHEET 1 OF 2)	7/1/10
ER0802	RADIO SYSTEM EQUIPMENT AND DEVICE SCHEDULE (SHEET 2 OF 2)	7/1/10
ER0803	RADIO SYSTEM FIBER SCHEDULE (SHEET 1 OF 3)	6/10/10
ER0804	RADIO SYSTEM FIBER SCHEDULE (SHEET 2 OF 3)	7/1/10
ER0805	RADIO SYSTEM FIBER SCHEDULE (SHEET 3 OF 3)	7/1/10
VOL 6	ELECTRICAL	
	FIRE ALARM	
EF0001	FIRE ALARM NOTES	4/1/10
EF0002	FIRE ALARM DESCRIPTION AND SEQUENCE OF OPERATION	6/10/10
EF0019	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 242'-0" SHEET 1 OF 6	10/9/09
EF0020	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 250'-0" SHEET 2 OF 6	10/9/09
EF0021	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 266'-0" SHEET 3 OF 6	10/9/09
EF0022	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 274'-0" SHEET 4 OF 6	10/9/09
EF0023	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 285'-0" SHEET 5 OF 6	10/9/09
EF0024	FIRE ALARM PATH AND HUB ZONING LAYOUT EL. 296'-0" SHEET 6 OF 6	10/9/09
EF0050	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 229'-6" SHEET 1 OF 9	10/9/09
EF0050A	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 242'-0" SHEET 2 OF 9	10/9/09
EF0051	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 250'-0" SHEET 3 OF 9	10/9/09
EF0052	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 266'-0" SHEET 4 OF 9	10/9/09
EF0053	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 274'-0" SHEET 5 OF 9	10/9/09
EF0054	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 285'-0" SHEET 6 OF 9	10/9/09
EF0055	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 296'-0" SHEET 7 OF 9	10/9/09
EF0056	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 306'-0" AND EL. 326'-0" SHEET 8 OF 9	10/9/09
EF0057	FIRE ALARM CONDUIT ROUTING LAYOUT AND DGP DISTRIBUTION EL. 385'-0" & EL. 404'-0" SHEET 9 OF 9	10/9/09
EF0106	SMOKE PURGE FANS AND DAMPER CONTROL SCHEDULE	7/1/10
EF0201	FIRE ALARM MAIN FACP AND DGP PANEL TYPICAL LAYOUT	10/9/09
EF0201A	FIRE ALARM MAIN FACP PANEL TYPICAL LAYOUT	6/10/10
EF0202	TYPICAL FIRE ALARM DEVICE INSTALLATION DETAILS	10/9/09
EF0203	TYPICAL FIRE ALARM DEVICE WIRING DETAILS	10/9/09
EF0205	FIRE ALARM TENANT AND OTHER STAKE HOLDERS INTERFACE BOX AND CONNECTION DETAILS	10/9/09
EF0206	FIRE ALARM FM-200, PREACTION, FOAM AND WATER MIST SYSTEMS INTERFACE BOX AND CONNECTION DETAILS	6/10/10
EF0700	GENERAL SMOKE ZONE DESIGNATION CENTRAL PLANT LEVEL EL. 229'-6"	7/1/10
EF0701	GENERAL SMOKE ZONE DESIGNATION PLATFORM LEVEL EL. 250'-0"	7/1/10
EF0702	GENERAL SMOKE ZONE DESIGNATION MEZZANINE LEVEL EL. 266'-0"	7/1/10
EF0703	GENERAL SMOKE ZONE DESIGNATION TRANSIT HALL LEVEL EL. 274'-0"	7/1/10
EF0704	GENERAL SMOKE ZONE DESIGNATION DEY STREET CONCOURSE LEVEL EL. 285'-0"	10/9/09
EF0705	GENERAL SMOKE ZONE DESIGNATION UPPER TRANSIT LEVEL EL. 296'-0"	10/9/09
EF0706	GENERAL SMOKE ZONE DESIGNATION PARTIAL UPPER TRANSIT HALL LEVEL EL. 306'-0"	10/9/09
EF0707	GENERAL SMOKE ZONE DESIGNATION GROUND LEVEL EL. 326'-0"	10/9/09
EF1104	FIRE ALARM CENTRAL PLANT LEVEL PART PLAN 4 EL. 229'-6"	10/9/09
EF1105	FIRE ALARM CENTRAL PLANT LEVEL PART PLAN 5 EL. 229'-6"	10/9/09
EF1106	FIRE ALARM CENTRAL PLANT LEVEL PART PLAN 6 EL. 229'-6"	10/9/09
EF1113	FIRE ALARM CENTRAL PLANT LEVEL PART PLAN 13 EL. 229'-6"	10/9/09
EF1201	FIRE ALARM CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	6/10/10
EF1202	FIRE ALARM CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
EF1203	FIRE ALARM CAR PARKING LEVEL PART PLAN 3 EL. 237'-0"	10/9/09
EF1204	FIRE ALARM CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	6/10/10
EF1205	FIRE ALARM CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	6/10/10

Drawing	Title	Latest Date
EF1206	FIRE ALARM CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	6/10/10
EF1207	FIRE ALARM CAR PARKING LEVEL PART PLAN 7 EL. 237'-0"	6/10/10
EF1208	FIRE ALARM CAR PARKING LEVEL PART PLAN 8 EL. 237'-0"	10/9/09
EF1209	FIRE ALARM CAR PARKING LEVEL PART PLAN 9 EL. 237'-0"	10/9/09
EF1211	FIRE ALARM INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
EF1213	FIRE ALARM INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
EF1214	FIRE ALARM INVERT LEVEL PART PLAN 14 EL. 242'-0"	6/10/10
EF1215	FIRE ALARM INVERT LEVEL PART PLAN 15 EL. 242'-0"	10/9/09
EF1216	FIRE ALARM INVERT LEVEL PART PLAN 16 EL. 242'-0"	10/9/09
EF1218	FIRE ALARM INVERT LEVEL PART PLAN 18 EL. 242'-0"	10/9/09
EF1219	FIRE ALARM INVERT LEVEL PART PLAN 19 EL. 242'-0"	10/9/09
EF1301	FIRE ALARM BUS PARKING LEVEL PART PLAN 1 EL. 254'-0"	10/9/09
EF1302	FIRE ALARM BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	10/9/09
EF1303	FIRE ALARM BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	6/10/10
EF1304	FIRE ALARM BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	6/10/10
EF1305	FIRE ALARM BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	6/10/10
EF1306	FIRE ALARM BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	6/10/10
EF1307	FIRE ALARM BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	6/10/10
EF1308	FIRE ALARM BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	10/9/09
EF1309	FIRE ALARM BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	10/9/09
EF1310	FIRE ALARM BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	10/9/09
EF1311	FIRE ALARM PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	6/10/10
EF1312	FIRE ALARM PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	6/10/10
EF1313	FIRE ALARM PLATFORM LEVEL PART PLAN 13 EL. 250'-0"	6/10/10
EF1314	FIRE ALARM PLATFORM LEVEL PART PLAN 14 EL. 250'-0"	6/10/10
EF1315	FIRE ALARM PLATFORM LEVEL PART PLAN 15 EL. 250'-0"	6/10/10
EF1316	FIRE ALARM PLATFORM LEVEL PART PLAN 16 EL. 250'-0"	6/10/10
EF1318	FIRE ALARM PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	6/10/10
EF1319	FIRE ALARM PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	6/10/10
EF1320	FIRE ALARM PLATFORM LEVEL PART PLAN 20 EL. 250'-0"	4/1/10
EF1402	FIRE ALARM MEZZANINE LEVEL PART PLAN 2 EL. 266'-0"	4/1/10
EF1404	FIRE ALARM MEZZANINE LEVEL PART PLAN 4 EL. 266'-0"	4/1/10
EF1406	FIRE ALARM MEZZANINE LEVEL PART PLAN 6 EL. 266'-0"	4/1/10
EF1411	FIRE ALARM MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	4/1/10
EF1412	FIRE ALARM MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	4/1/10
EF1413	FIRE ALARM MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	4/1/10
EF1414	FIRE ALARM MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	4/1/10
EF1415	FIRE ALARM MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	6/10/10
EF1418	FIRE ALARM MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	10/9/09
EF1419	FIRE ALARM MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	7/1/10
EF1501	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
EF1502	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	7/1/10
EF1503	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	6/10/10
EF1504	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	6/10/10
EF1505	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	6/10/10
EF1506	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	6/10/10
EF1507	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 7 EL. 274'-0"	6/10/10
EF1508	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 8 EL. 274'-0"	6/10/10
EF1509	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 9 EL. 274'-0"	6/10/10
EF1510	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 10 EL. 274'-0"	10/9/09
EF1511	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 11 EL. 274'-0"	10/9/09
EF1514	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 14 EL. 274'-0"	10/9/09
EF1519	FIRE ALARM TRANSIT HALL LEVEL PART PLAN 19 EL. 274'-0"	6/10/10
EF1603	FIRE ALARM DEY STREET CONCOURSE LEVEL PART PLAN 3 EL. 285'-0"	4/1/10
EF1611	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 285'-0"	4/1/10
EF1612	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 285'-0"	4/1/10
EF1613	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 13 EL. 285'-0"	10/9/09
EF1614	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 285'-0"	4/1/10
EF1615	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 285'-0"	7/1/10
EF1618	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 285'-0"	10/9/09
EF1619	FIRE ALARM WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 285'-0"	6/10/10
EF1701	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	4/1/10
EF1702	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	6/10/10
EF1703	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	4/1/10
EF1704	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10

Drawing	Title	Latest Date
EF1705	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	6/10/10
EF1706	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	6/10/10
EF1707	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	4/1/10
EF1708	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	4/1/10
EF1709	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	4/1/10
EF1710	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	10/9/09
EF1711	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 296'-0"	10/9/09
EF1714	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 296'-0"	4/1/10
EF1718	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 18 EL. 296'-0"	10/9/09
EF1719	FIRE ALARM UPPER TRANSIT HALL LEVEL PART PLAN 19 EL. 296'-0"	10/9/09
EF1801	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'-0"	6/10/10
EF1802	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 306'-0"	10/9/09
EF1803	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	6/10/10
EF1804	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 306'-0"	10/9/09
EF1805	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	6/10/10
EF1806	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 306'-0"	10/9/09
EF1807	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 306'-0"	6/10/10
EF1809	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	6/10/10
EF1811	FIRE ALARM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 306'-0"	6/10/10
EF1901	FIRE ALARM GROUND LEVEL PART PLAN 1	6/10/10
EF1902	FIRE ALARM GROUND LEVEL PART PLAN 2	6/10/10
EF1903	FIRE ALARM GROUND LEVEL PART PLAN 3	10/9/09
EF1904	FIRE ALARM GROUND LEVEL PART PLAN 4	6/10/10
EF1905	FIRE ALARM GROUND LEVEL PART PLAN 5	6/10/10
EF1906	FIRE ALARM GROUND LEVEL PART PLAN 6	6/10/10
EF1907	FIRE ALARM GROUND LEVEL PART PLAN 7	6/10/10
EF1908	FIRE ALARM GROUND LEVEL PART PLAN 8	6/10/10
EF1909	FIRE ALARM GROUND LEVEL PART PLAN 9	6/10/10
EF1910	FIRE ALARM GROUND LEVEL PART PLAN 10	6/10/10
EF1911	FIRE ALARM GROUND LEVEL PART PLAN 11	6/10/10
EF1912	FIRE ALARM GROUND LEVEL PART PLAN 12	10/9/09
EF1918	FIRE ALARM GROUND LEVEL PART PLAN 18	10/9/09
EF1919	FIRE ALARM GROUND LEVEL PART PLAN 19	10/9/09
EF2201	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 1 EL. 386'-0"	10/9/09
EF2202	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 2 EL. 386'-0"	6/10/10
EF2208	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 386'-0"	7/1/10
EF2209	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 9 EL. 386'-0"	10/9/09
EF2210	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 10 EL. 386'-0"	10/9/09
EF2301	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 1 EL. 404'-0"	6/10/10
EF2302	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 2 EL. 404'-0"	7/1/10
EF2307	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 7 EL. 404'-0"	6/10/10
EF2308	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 404'-0"	7/1/10
EF2309	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 9 EL. 404'-0"	10/9/09
EF2310	FIRE ALARM ABOVE GROUND MEP LEVEL PART PLAN 10 EL. 404'-0"	6/10/10
	CUSTOMER INFORMATION	
	SYSTEM DIAGRAMS	
EW0002	CUSTOMER INFORMATION SYSTEM OVERALL SYSTEM BLOCK DIAGRAM	10/9/09
EW0003	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 1 OF 10	11/16/09
EW0004	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 2 OF 10	10/9/09
EW0005	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 3 OF 10	10/9/09
EW0006	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 4 OF 10	11/16/09
EW0007	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 5 OF 10	11/16/09
EW0008	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 6 OF 10	11/16/09
EW0009	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 7 OF 10	11/16/09
EW0010	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 8 OF 10	10/9/09
EW0011	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 9 OF 10	10/9/09
EW0012	CUSTOMER INFORMATION SYSTEM RISER AND EQUIPMENT BLOCK DIAGRAMS SHEET 10 OF 10	10/9/09
EW0013	PATHVISION BLOCK DIAGRAM AND SPECIFICATION NOTES	10/9/09
EW0016	PUBLIC ADDRESS SYSTEM ANNOUNCEMENT ZONES	10/9/09
	SCHEDULES	
EW0801	CUSTOMER INFORMATION SYSTEM EQUIPMENT SCHEDULE (SHEET 1 OF 3)	11/16/09
EW0802	CUSTOMER INFORMATION SYSTEM EQUIPMENT SCHEDULE (SHEET 2 OF 3)	11/16/09
EW0803	CUSTOMER INFORMATION SYSTEM EQUIPMENT SCHEDULE (SHEET 3 OF 3)	11/16/09

Drawing	Title	Latest Date
EW0804	CUSTOMER INFORMATION CHANGEABLE MESSAGE SIGNS AND PATHVISION EQUIPMENT SCHEDULE	10/9/09
	PART PLANS 1/8"=1'-0"	
EW1311	CUSTOMER INFORMATION SYSTEM/PATHVISION PLATFORM/ BUS PARKING LEVEL PART PLAN 11 EL 250'-3"	11/16/09
EW1312	CUSTOMER INFORMATION SYSTEM/PATHVISION PLATFORM/ BUS PARKING LEVEL PART PLAN 12 EL 250'-3"	11/16/09
EW1313	CUSTOMER INFORMATION SYSTEM/PATHVISION PLATFORM/ BUS PARKING LEVEL PART PLAN 13 EL 250'-3"	11/16/09
EW1314	CUSTOMER INFORMATION SYSTEM/PATHVISION PLATFORM/ BUS PARKING LEVEL PART PLAN 14 EL 250'-3"	11/16/09
EW1404	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 4 EL 266'-0"	10/9/09
EW1406	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 6 EL 266'-0"	10/9/09
EW1411	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 11 EL 266'-0"	10/9/09
EW1412	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	11/16/09
EW1413	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 13 EL 266'-0"	11/16/09
EW1414	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	11/16/09
EW1415	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	10/9/09
EW1418	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 18 EL 266'-0"	10/9/09
EW1419	CUSTOMER INFORMATION SYSTEM/PATHVISION MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	10/9/09
EW1503	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 3 EL 274'-0"	10/9/09
EW1504	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 4 EL 274'-0"	10/9/09
EW1505	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 5 EL 274'-0"	10/9/09
EW1506	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 6 EL 274'-0"	10/9/09
EW1507	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 7 EL 274'-0"	10/9/09
EW1508	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 8 EL 274'-0"	10/9/09
EW1512	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 12 EL 274'-0"	10/9/09
EW1513	CUSTOMER INFORMATION SYSTEM TRANSIT HALL PART PLAN 13 EL 274'-0"	10/9/09
EW1603	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 3 EL 284'-0"	10/9/09
EW1605	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 5 EL 284'-0"	10/9/09
EW1611	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	10/9/09
EW1612	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	11/16/09
EW1613	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 13 EL 284'-0"	11/16/09
EW1618	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	10/9/09
EW1619	CUSTOMER INFORMATION SYSTEM UPPER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	10/9/09
EW1703	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 03 EL 296'-0"	10/9/09
EW1704	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 04 EL 296'-0"	10/9/09
EW1705	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	10/9/09
EW1706	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	10/9/09
EW1707	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	10/9/09
EW1708	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	10/9/09
EW1709	CUSTOMER INFORMATION SYSTEM UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	10/9/09
EW1803	CUSTOMER INFORMATION SYSTEM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 306'-0"	10/9/09
EW1805	CUSTOMER INFORMATION SYSTEM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 306'-0"	10/9/09
EW1809	CUSTOMER INFORMATION SYSTEM PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 306'-0"	10/9/09
EW1903	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 3	10/9/09
EW1904	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 4	10/9/09
EW1905	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 5	10/9/09
EW1906	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 6	10/9/09
EW1908	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 8	10/9/09
EW1909	CUSTOMER INFORMATION SYSTEM GROUND LEVEL PART PLAN 9	10/9/09
	DETAILS	
EW6101	CIS INSTALLATION DETAILS	10/9/09
EW6105	CUSTOMER INFORMATION CHANGEABLE MESSAGE SIGNS AND PATHVISION DETAILS	10/9/09
	TRACTION POWER	
EQ0530	EXISTING DUCTBANK SECTIONS AND SCHEDULES SHEET 1 OF 2	10/9/09
EQ0531	EXISTING DUCTBANK SECTIONS AND SCHEDULES SHEET 2 OF 2	10/9/09
EQ0532	UNDER PLATFORM DUCTBANK SECTIONS AND SCHEDULES	10/9/09
EQ0701	TRACTION POWER DETAILS	10/9/09
EQ0702	TYPICAL DUCTBANK SECTIONS AND DETAILS	10/9/09
EQ0703	TYPICAL BLUE LIGHT STATION EQUIPMENT PANEL DETAILS	10/9/09
EQ0704	TYPICAL BLUE LIGHT STATION JUNCTION BOX AND EMERGENCY POWER REMOVAL BOX DETAILS	10/9/09
EQ1615	SUBSTATION POWER WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	10/9/09
	CORROSION CONTROL	
ED0101	CORROSION CONTROL STRAY CURRENT MITIGATION LAYOUT AND NOTES	11/16/09
ED0202	CORROSION CONTROL STRAY CURRENT MITIGATION WIRING DIAGRAM	12/23/09

Drawing	Title	Latest Date
ED0105	CORROSION CONTROL LAYOUT AND NOTES STRAY CURRENT MITIGATION/MONITORING FOR FOOTINGS AND UTILITY TUNNELS	10/9/09
ED0110	CORROSION CONTROL STRAY CURRENT MITIGATION LAYOUT AND NOTES	12/23/09
ED0201	CORROSION CONTROL STRAY CURRENT MITIGATION WIRING DIAGRAM	10/9/09
ED0601	CORROSION CONTROL STRAY CURRENT MITIGATION DETAILS SHEET 1	10/9/09
ED0602	CORROSION CONTROL STRAY CURRENT MITIGATION DETAILS SHEET 2	10/9/09
ED0603	CORROSION CONTROL STRAY CURRENT MITIGATION DETAILS SHEET 3	10/9/09
ED0604	CORROSION CONTROL STRAY CURRENT MITIGATION DETAILS SHEET 4	11/16/09
ED0607	CORROSION CONTROL PLAN & DETAILS STRAY CURRENT MITIGATION FOR UTILITY TUNNELS	10/9/09
ED0608	CORROSION CONTROL DETAILS STRAY CURRENT MITIGATION/MONITORING FOR FOOTINGS	10/9/09
ED0610	CORROSION CONTROL STRAY CURRENT MITIGATION SHEET 1	12/23/09
ED0611	CORROSION CONTROL STRAY CURRENT MITIGATION SHEET 2	12/23/09
ED0612	CORROSION CONTROL STRAY CURRENT MITIGATION SHEET 3	12/23/09
ED0613	CORROSION CONTROL STRAY CURRENT MITIGATION SHEET 4	12/23/09
VOL 7	MECHANICAL	
M0001	SYMBOLS AND ABBREVIATIONS	7/1/10
M0002	GENERAL NOTES AND VENTILATION INDEX	10/9/09
	PART PLANS 1/16"=1'-0"	
M0208	EQUIPMENT SCHEDULES SHEET NO. 8	7/1/10
M0403	FLOW DIAGRAMS HOT WATER SYSTEMS	10/9/09
M0501	DETAILS SHEET NO. 1	7/1/10
M0502	DETAILS SHEET NO. 2	6/10/10
M0503	DETAILS SHEET NO. 3	7/1/10
M0504	DETAILS SHEET NO. 4	2/1/10
M0506	DETAILS SHEET NO. 6	10/9/09
M0507	DETAILS SHEET NO. 7	6/10/10
M0508	DETAILS SHEET NO. 8	7/1/10
M0512	DETAILS SHEET NO. 12 BOX GIRDER	2/1/10
M0513	DETAILS SHEET NO. 13	6/10/10
M0514	DETAILS SHEET NO. 14	7/1/10
	PART PLANS 1/8"=1'-0"	
M1001	EXISTING PLATFORM LEVEL REMOVAL PLAN EL. 250'-3"	12/23/09
M1002	EXISTING SUB STATION #3 REMOVAL PLAN EL. 270'-0"	12/23/09
M1003	EXISTING ROOF LEVEL REMOVAL PLAN EL. 285'-0"	12/23/09
M1309	BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	10/9/09
M1316	PLATFORM LEVEL PART PLAN 16 EL. 250'-0"	4/1/10
M1317	PLATFORM LEVEL PART PLAN 17 EL. 250'-0"	10/9/09
M1320	PLATFORM LEVEL PART PLAN 20 EL. 250'-0"	10/9/09
M1411	MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	6/10/10
M1412	MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	6/10/10
M1413	MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	6/10/10
M1414	MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	7/1/10
M1415	MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	7/1/10
M1420	MEZZANINE LEVEL PART PLAN 20 EL. 266'-0"	4/1/10
M1501	TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
M1503	TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	6/10/10
M1504	TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	7/1/10
M1505	TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	6/10/10
M1506	TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	6/10/10
M1507	TRANSIT HALL LEVEL PART PLAN 7 EL. 274'-0"	6/10/10
M1508	TRANSIT HALL LEVEL PART PLAN 8 EL. 274'-0"	6/10/10
M1509	TRANSIT HALL LEVEL PART PLAN 9 EL. 274'-0"	4/1/10
M1510	TRANSIT HALL LEVEL PART PLAN 10 EL. 274'-0"	10/9/09
M1511	TRANSIT HALL LEVEL PART PLAN 11 EL. 274'-0"	6/10/10
M1603	DEY STREET CONCOURSE LEVEL PART PLAN 3 EL. 284'-6"	6/10/10
M1605	DEY STREET CONCOURSE LEVEL PART PLAN 5 EL. 284'-6"	4/1/10

Drawing	Title	Latest Date
M1607	DEY STREET CONCOURSE LEVEL PART PLAN 7 EL. 284'-6"	10/9/09
M1609	DEY STREET CONCOURSE LEVEL PART PLAN 9 EL. 284'-6"	10/9/09
M1611	WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'-0"	6/10/10
M1614	WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'-0"	7/1/10
M1615	WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	7/1/10
M1616	WEST STREET CONCOURSE LEVEL PART PLAN 16 EL. 284'-0"	10/9/09
M1617	WEST STREET CONCOURSE LEVEL PART PLAN 17 EL. 284'-0"	10/9/09
M1619	WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 284'-0"	6/10/10
M1620	WEST STREET CONCOURSE LEVEL PART PLAN 20 EL. 284'-0"	4/1/10
M1701	UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	7/1/10
M1702	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	7/1/10
M1703	UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	6/10/10
M1704	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10
M1705	UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	6/10/10
M1706	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	7/1/10
M1707	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	6/10/10
M1708	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	7/1/10
M1710	UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	10/9/09
M1711	UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 296'-0"	6/10/10
M1712	UPPER TRANSIT HALL LEVEL PART PLAN 12 EL. 296'-0"	4/1/10
M1713	UPPER TRANSIT HALL LEVEL PART PLAN 13 EL. 296'-0"	4/1/10
M1719	WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 296'-0"	4/1/10
M1720	UPPER TRANSIT HALL LEVEL PART PLAN 20 EL. 296'-0"	6/10/10
M1801	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'-0"	6/10/10
M1802	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 306'-0"	7/1/10
M1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	7/1/10
M1804	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 306'-0"	2/1/10
M1805	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	7/1/10
M1806	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 306'-0"	2/1/10
M1807	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 306'-0"	2/1/10
M1808	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 306'-0"	7/1/10
M1811	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 306'-0"	6/10/10
M1820	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 20 EL. 306'-0"	10/9/09
M1903	GROUND LEVEL PART PLAN 3 EL. 326'	7/1/10
M1906	GROUND LEVEL PART PLAN 6 EL. 326'	7/1/10
M1911	GROUND LEVEL PART PLAN 11 EL. 326'	4/1/10
M1920	GROUND LEVEL PART PLAN 20 EL. 326'	4/1/10
M2005	ABOVE GRADE RETAIL LEVEL PART PLAN 5 EL. 346'-0"	2/1/10
M2006	ABOVE GRADE RETAIL LEVEL PART PLAN 6 EL. 346'-0"	2/1/10
M2007	ABOVE GRADE RETAIL LEVEL PART PLAN 7 EL. 346'-0"	2/1/10
M2105	ABOVE GRADE PART PLAN 5 EL. 366'-0"	2/1/10
M2106	ABOVE GRADE PART PLAN 6 EL. 366'-0"	2/1/10
M2310	MEP LEVEL PART PLAN 10 EL. 404'-0"	6/10/10
	TRANSIT HALL - SECTIONS	
M3201	TRANSIT HALL CENTRAL FAN PLANT SECTION - 1	11/16/09
M3202	TRANSIT HALL CENTRAL FAN PLANT SECTION - 2	6/10/10
M3203	TRANSIT HALL CENTRAL FAN PLANT SECTIONS - 3	6/10/10
M3204	TRANSIT HALL CENTRAL FAN PLANT SECTION - 4	10/9/09
M3205	TRANSIT HALL NORTH CONCOURSE SECTIONS	6/10/10
M3208	SOUTH CONCOURSE MER T3 ELEVATION	10/9/09
M3216	TRANSIT HALL BUS PARKING SECTIONS	6/10/10
M3217	TOWER 2 PDC ROOM SECTIONS	7/1/10
M3219	TOWER 3 SPOT NETWORK SECTIONS	10/9/09
M3221	TRANSIT HALL CENTRAL FAN PLANT SECTIONS	6/10/10
M3224	TOWER 3 SECTIONS	6/10/10
M3225	TOWER 3 SECTIONS	2/1/10
M3226	TOWER 3 SECTIONS	6/10/10
M3227	TOWER 2 SECTIONS	7/1/10
M3228	TOWER 2 SECTIONS	6/10/10
M3229	TOWER 2 SECTIONS	2/1/10

Drawing	Title	Latest Date
M3230	TOWER 2 SECTIONS	6/10/10
M3231	TOWER 2 SECTIONS	6/10/10
M3232	TRANSIT HALL SECTION	6/10/10
	STATION - SECTIONS	
M3506	STATION SECTIONS AND DETAILS	6/10/10
M3507	STATION PLATFORM SECTIONS	10/9/09
M3508	STATION PLATFORM SECTIONS	10/9/09
M3509	STATION PLATFORM SECTIONS	6/10/10
M3510	STATION PLATFORM SECTIONS	10/9/09
M3519	STATION PLATFORM LEVEL SECTIONS	10/9/09
M3520	STATION MER EL 285' SECTION	7/1/10
M3521	STATION PLATFORM LEVEL SECTIONS	10/9/09
M3522	STATION UTILITY TUNNEL SECTIONS - 2	7/1/10
M3527	STATION PLATFORM LEVEL SECTIONS	10/9/09
M3528	STATION SECTION	4/1/10
M3530	STATION PLATFORM LEVEL SECTIONS	10/9/09
M3531	9A UNDERPASS SECTIONS	6/10/10
M3532	MEZZANINE LEVEL SECTIONS	6/10/10
	EMR DETAILS	
M6231	EMR PART PLANS AND SECTIONS	4/1/10
M6232	EMR PART PLANS AND SECTIONS	7/1/10
M6233	EMR PART PLANS AND SECTIONS	10/9/09
M6234	EMR PART PLANS AND SECTIONS	4/1/10
	RADIANT HEATED FLOOR DETAILS	
M6271	RADIANT HEATED FLOOR DETAILS -1	2/1/10
M6272	RADIANT HEATED FLOOR DETAILS -2	10/9/09
	TRANSIT HALL ROOF DETAILS	
M6281	OCULUS ROOF DETAILS	6/10/10
M6282	OCULUS ROOF LEVEL PART PLAN EL. 366'-0"	2/1/10
	MECHANICAL CONTROL	
	OVERALL PLANS 1/16"=1'-0"	
MC0121	CAR PARKING LEVEL OVERALL PLAN 1 EL. 237'-0"	10/9/09
MC0124	INVERT LEVEL OVERALL PLAN 4 EL. 242'-0"	10/9/09
MC0125	INVERT LEVEL OVERALL PLAN 5 EL. 242'-0"	10/9/09
MC0126	INVERT LEVEL OVERALL PLAN 6 EL. 242'-0"	10/9/09
MC0131	PLATFORM LEVEL OVERALL PLAN 1 EL. 250'-0"	10/9/09
MC0132	BUS PARKING LEVEL OVERALL PLAN 2 EL. 254'-0"	10/9/09
MC0133	BUS PARKING LEVEL OVERALL PLAN 3 EL. 254'-0"	10/9/09
MC0134	PLATFORM LEVEL OVERALL PLAN 4 EL. 250'-0"	10/9/09
MC0135	PLATFORM LEVEL OVERALL PLAN 5 EL. 250'-0"	10/9/09
MC0136	PLATFORM LEVEL OVERALL PLAN 6 EL. 250'-0"	10/9/09
MC0141	MEZZANINE LEVEL OVERALL PLAN 1 EL. 266'-0"	10/9/09
MC0145	MEZZANINE LEVEL OVERALL PLAN 5 EL. 266'-0"	10/9/09
MC0146	MEZZANINE LEVEL OVERALL PLAN 6 EL. 266'-0"	10/9/09
MC0161	TRANSIT HALL LEVEL OVERALL PLAN 1 EL. 274'-0"	7/1/10
MC0163	TRANSIT HALL LEVEL OVERALL PLAN 3 EL. 274'-0"	10/9/09
MC0165	DEY STREET CONCOURSE LEVEL OVERALL PLAN 5 EL. 284'-0"/EL. 285'-0"	10/9/09
MC0166	DEY STREET CONCOURSE LEVEL OVERALL PLAN 6 EL. 284'-0"/EL. 285'-0"	10/9/09
MC0171	UPPER TRANSIT HALL LEVEL OVERALL PLAN 1 EL. 296'-0"	10/9/09
MC0173	UPPER TRANSIT HALL LEVEL OVERALL PLAN 3 EL. 296'-0"	10/9/09
MC0175	UPPER TRANSIT HALL LEVEL OVERALL PLAN 5 EL. 296'-0"	10/9/09
MC0183	PARTIAL UPPER TRANSIT HALL LEVEL PLAN OVERALL PLAN 3 EL. 306'-0"	10/9/09
MC0231	ABOVE GROUND MEP LEVEL OVERALL PLAN 1 EL. 404'-0"	10/9/09
MC0233	ABOVE GROUND MEP LEVEL OVERALL PLAN 3 EL. 404'-0"	10/9/09
	MECHANICAL PIPING	
	PART PLANS 1/8"=1'-0"	
MP1202	CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
MP1204	CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	7/1/10
MP1205	CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	2/1/10

Drawing	Title	Latest Date
MP1206	CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	6/10/10
MP1208	CAR PARKING LEVEL PART PLAN 8 EL. 237'-0"	10/9/09
MP1211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	6/10/10
MP1212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	6/10/10
MP1213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	6/10/10
MP1214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	10/9/09
MP1302	BUS PARKING LEVEL PART PLAN 2 EL 254'-0"	7/1/10
MP1303	BUS PARKING LEVEL PART PLAN 3 EL 254'-0"	6/10/10
MP1304	BUS PARKING LEVEL PART PLAN 4 EL 254'-0"	7/1/10
MP1305	BUS PARKING LEVEL PART PLAN 5 EL 254'-0"	10/9/09
MP1306	BUS PARKING LEVEL PART PLAN 6 EL 254'-0"	6/10/10
MP1307	BUS PARKING LEVEL PART PLAN 7 EL 254'-0"	2/1/10
MP1316	PLATFORM LEVEL PART PLAN 16 EL 250'-0"	10/9/09
MP1318	PLATFORM LEVEL PART PLAN 18 EL 250'-0"	6/10/10
MP1319	PLATFORM LEVEL PART PLAN 19 EL 250'-0"	6/10/10
MP1412	MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	6/10/10
MP1414	MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	10/9/09
MP1415	MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	6/10/10
MP1501	TRANSIT HALL LEVEL PART PLAN 1 EL.274'-0"	7/1/10
MP1502	TRANSIT HALL LEVEL PART PLAN 2 EL.274'-0"	7/1/10
MP1503	TRANSIT HALL LEVEL PART PLAN 3 EL.274'-0"	6/10/10
MP1504	TRANSIT HALL LEVEL PART PLAN 4 EL.274'-0"	6/10/10
MP1505	TRANSIT HALL LEVEL PART PLAN 5 EL.274'-0"	6/10/10
MP1506	TRANSIT HALL LEVEL PART PLAN 6 EL.274'-0"	6/10/10
MP1507	TRANSIT HALL LEVEL PART PLAN 7 EL.274'-0"	4/1/10
MP1508	TRANSIT HALL LEVEL PART PLAN 8 EL.274'-0"	4/1/10
MP1509	TRANSIT HALL LEVEL PART PLAN 9 EL.274'-0"	10/9/09
MP1510	TRANSIT HALL LEVEL PART PLAN 10 EL.274'-0"	10/9/09
MP1611	DEY STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	6/10/10
MP1612	DEY STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	6/10/10
MP1614	DEY STREET CONCOURSE LEVEL PART PLAN 14 EL 284'-0"	10/9/09
MP1615	DEY STREET CONCOURSE LEVEL PART PLAN 15 EL 284'-0"	7/1/10
MP1618	DEY STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	6/10/10
MP1619	DEY STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	6/10/10
MP1701	UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 296'-0"	6/10/10
MP1702	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 296'-0"	7/1/10
MP1703	UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 296'-0"	6/10/10
MP1704	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 296'-0"	7/1/10
MP1705	UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	6/10/10
MP1706	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	7/1/10
MP1707	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	2/1/10
MP1708	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	10/9/09
MP1709	UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	10/9/09
MP1710	UPPER TRANSIT HALL LEVEL PART PLAN 10 EL 296'-0"	10/9/09
MP1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 306'-0"	6/10/10
MP1805	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 306'-0"	10/9/09
MP1905	GROUND LEVEL PART PLAN 5 EL 326'-0"	10/9/09
	PLUMBING	
	GENERAL DRAWINGS	
P0001	LEGEND ABBREVIATIONS & GENERAL NOTES	4/1/10
P0201	PLUMBING EQUIPMENT SCHEDULES SHEET 1	6/10/10
P0202	PLUMBING EQUIPMENT SCHEDULES SHEET 2	4/1/10
P0301	PLUMBING STORM/GREY WATER RISER DIAGRAM SHEET 1	6/10/10
P0302	PLUMBING STORM RISER DIAGRAM SHEET 1	6/10/10
P0303	PLUMBING SANITARY RISER DIAGRAM SHEET 1	7/1/10
P0304	PLUMBING SANITARY RISER DIAGRAM SHEET 2	6/10/10
P0305	PLUMBING SANITARY RISER DIAGRAM SHEET 3	4/1/10
P0306	PLUMBING SANITARY RISER DIAGRAM SHEET 4	6/10/10
P0308	PLUMBING WATER RISER DIAGRAM SHEET 1	6/10/10
P0309	PLUMBING WATER RISER DIAGRAM SHEET 2	10/9/09
P0310	PLUMBING WATER RISER DIAGRAM SHEET 3	4/1/10
P0311	GENERAL ARRANGEMENT SITE WIDE PLUMBING WATER LOOP EL. VARIES	10/9/09

Drawing	Title	Latest Date
P0401	PLUMBING PART PLAN SHEET 1	7/1/10
P0402	PLUMBING PART PLAN SHEET 2	10/9/09
P0403	PLUMBING PART PLAN SHEET 3	4/1/10
P0404	PLUMBING PART PLAN SHEET 4	10/9/09
P0405	PLUMBING PART PLAN SHEET 5	10/9/09
P0501	PLUMBING DETAILS SHEET 1	10/9/09
P0502	PLUMBING DETAILS SHEET 2	4/1/10
P0503	PLUMBING DETAILS SHEET 3	7/1/10
	PART PLANS 1/8"=1'-0"	
P1104	CENTRAL PLANT LEVEL PART PLAN 4 EL. 228'-0"	10/9/09
P1105	CENTRAL PLANT LEVEL PART PLAN 5 EL. 228'-0"	10/9/09
P1106	CENTRAL PLANT LEVEL PART PLAN 6 EL. 228'-0"	10/9/09
P1113	CENTRAL PLANT LEVEL PART PLAN 13 EL. 228'-0"	10/9/09
P1201	CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	4/1/10
P1204	CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	7/1/10
P1205	CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	2/1/10
P1206	CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	6/10/10
P1207	CAR PARKING LEVEL PART PLAN 7 EL. 237'-0"	10/9/09
P1208	CAR PARKING LEVEL PART PLAN 8 EL. 242'-0"	6/10/10
P1210	CAR PARKING LEVEL PART PLAN 10 EL. 242'-0"	6/10/10
P1211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
P1212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
P1213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
P1214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	4/1/10
P1215	INVERT LEVEL PART PLAN 15 EL. 242'-0"	6/10/10
P1216	INVERT LEVEL PART PLAN 16 EL. 242'-0"	10/9/09
P1218	INVERT LEVEL PART PLAN 18 EL. 242'-0"	10/9/09
P1219	INVERT LEVEL PART PLAN 19 EL. 242'-0"	10/9/09
P1301	BUS PARKING LEVEL PART PLAN 1 EL. 254'-0"	7/1/10
P1302	BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	7/1/10
P1303	BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	4/1/10
P1304	BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	7/1/10
P1305	BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	2/1/10
P1306	BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	6/10/10
P1307	BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	2/1/10
P1308	BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	6/10/10
P1310	BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	6/10/10
P1311	PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	4/1/10
P1312	PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	6/10/10
P1313	PLATFORM LEVEL PART PLAN 13 EL. 250' -0"	6/10/10
P1314	PLATFORM LEVEL PART PLAN 14 EL. 250' -0"	4/1/10
P1315	PLATFORM LEVEL PART PLAN 15 EL. 250' -0"	6/10/10
P1318	PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	10/9/09
P1319	PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	10/9/09
P1411	MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	10/9/09
P1412	MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	10/9/09
P1413	MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	10/9/09
P1414	MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	7/1/10
P1415	MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	6/10/10
P1418	MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	10/9/09
P1419	MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	10/9/09
P1501	TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
P1502	TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	7/1/10
P1503	TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	10/9/09
P1504	TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	7/1/10
P1505	TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	6/10/10
P1506	TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	6/10/10
P1507	TRANSIT HALL LEVEL PART PLAN 7 EL. 274'-0"	2/1/10

Drawing	Title	Latest Date
P1508	TRANSIT HALL LEVEL PART PLAN 8 EL. 274'-0"	4/1/10
P1509	TRANSIT HALL LEVEL PART PLAN 9 EL. 274'-0"	10/9/09
P1510	TRANSIT HALL LEVEL PART PLAN 10 EL. 274'-0"	6/10/10
P1519	TRANSIT HALL LEVEL PART PLAN 19 EL. 274'-0"	12/23/09
P1611	WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'-0"	10/9/09
P1612	WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'-0"	6/10/10
P1613	WEST STREET CONCOURSE LEVEL PART PLAN 13 EL. 284'-0"	4/1/10
P1614	WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'-0"	7/1/10
P1615	WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	6/10/10
P1701	UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	2/1/10
P1702	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	7/1/10
P1703	UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	4/1/10
P1704	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10
P1705	UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	7/1/10
P1706	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	7/1/10
P1707	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	10/9/09
P1708	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	2/1/10
P1709	UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	4/1/10
P1710	UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	6/10/10
P1711	UPPER TRANSIT HALL LEVEL PART PLAN 11 EL. 296'-0"	10/9/09
P1714	UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 296'-0"	7/1/10
P1715	UPPER TRANSIT HALL LEVEL PART PLAN 15 EL. 296'-0"	2/26/10
P1801	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'-0"	2/1/10
P1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	12/23/09
P1805	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	2/1/10
P1807	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 306'-0"	10/9/09
P1809	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	10/9/09
P1812	SUB GROUND LEVEL PART PLAN 12 EL. 306'-0"	4/1/10
P1813	SUB GROUND LEVEL PART PLAN 13 EL. 306'-0"	4/1/10
P1814	SUB GROUND LEVEL PART PLAN 14 EL. 306'-0"	7/1/10
P1815	SUB GROUND LEVEL PART PLAN 15 EL. 306'-0"	6/10/10
P1901	GROUND LEVEL PART PLAN 1	2/1/10
P1902	GROUND LEVEL PART PLAN 2 EL. 326'-0"	6/10/10
P1903	GROUND LEVEL PART PLAN 3 EL. 326'-0"	6/10/10
P1904	GROUND LEVEL PART PLAN 4 EL. 326'-0"	7/1/10
P1905	GROUND LEVEL PART PLAN 5 EL. 326'-0"	6/10/10
P1906	GROUND LEVEL PART PLAN 6 EL. 326'-0"	7/1/10
P1907	GROUND LEVEL PART PLAN 7	2/1/10
P1908	GROUND LEVEL PART PLAN 8	2/1/10
P1910	GROUND LEVEL PART PLAN 10	6/10/10
P1911	GROUND LEVEL PART PLAN 11	10/9/09
P1914	GROUND LEVEL PART PLAN 14	10/9/09
P2108	ABOVE GRADE RETAIL LEVEL PART PLAN 8 EL. 366'-0"	2/1/10
P2208	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 386'-0"	2/1/10
P2303	ABOVE GRADE SKYLIGHT POCKET PLAN EL. 428'-0"	6/10/10
P2308	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 404'-0"	2/1/10
P3506	STATION SECTIONS AND DETAILS	2/1/10
P3508	STATION PLATFORM SECTIONS	2/1/10
P8402	TRANSIT HALL EAST & WEST ABUTMENT & ENTRY PARTIAL PLANS	10/9/09
P8420	TRANSIT HALL EAST ABUTMENT & ENTRY PARTIAL LONGITUDINAL SECTION	6/10/10
VOL 14	GENERAL	
G0014	TITLE SHEET	10/9/09
G2014	DRAWING INDEX	10/9/09
G101	LOCATION PLAN AND PROJECT SITE PLAN	10/9/09

Drawing	Title	Latest Date
G201	GENERAL NOTES, ABBREVIATIONS, LEGEND AND DRAWING CONVENTIONS	10/9/09
VOL 14	MECHANICAL	
M201	PLATFORM LEVEL PLAN EL. 250.25' VERTICAL TRANSPORTATION ELEV. AND ESC.	3/1/10
M202	MEZZANINE LEVEL PLAN EL. 266.00' VERTICAL TRANSPORTATION ELEV. AND ESC.	3/1/10
M203	TRANSIT HALL LEVEL PLAN EL. 274.00' PARTIAL DEY ST CONCOURSE LEVEL PLAN EL. 284.50' VERTICAL TRANSP ELEV. & ESC.	3/1/10
M204	UPPER TRANSIT HALL LEVEL PLAN EL. 295.25' PARTIAL NYCT R&W LINES EL. 306.08' VERTICAL TRANSPORTATION ELEV. AND ESC.	3/1/10
M205	GROUND LEVEL PLAN EL. 326.00' VERTICAL TRANSPORTATION ELEV. AND ESC.	3/1/10
M301	ELEV. LANDING PLANS AND SECTIONS FOR ELEV.1 THRU ELEV.8	3/1/10
M302	ELEV. MACHINE ROOMS AND LANDING PLANS FOR ELEV.1 THRU ELEV.8	3/1/10
M303	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.9 AND ELEV.10	3/1/10
M304	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.11	3/1/10
M305	ELEV. MACHINE ROOM / ESC. CONTROL ROOM SECTION AND LANDING PLANS FOR ELEV. 12 AND ESC.21	3/1/10
M306	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.13	3/1/10
M307	ELEV. MACHINE ROOM/ESC. CONTROL ROOM SECTION AND LANDING PLANS FOR ELEV.14, ESC. 35 AND ESC. 36	3/1/10
M308	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.16 AND ELEV. 17	3/1/10
M309	ELEV. MACHINE ROOM/ESC. CONTROL ROOM SECTION AND LANDING PLANS FOR ELEV.18/ESC. 39 AND ESC. 40	3/1/10
M310	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.19 AND ELEV.20	3/1/10
M311	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.22	3/1/10
M312	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.23	3/1/10
M313	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS FOR ELEV.24	3/1/10
M314	ELEV. MACHINE ROOM, SECTION AND LANDING PLANS ELEV.25	3/1/10
M701	ELEV. HOISTWAY CAR PLANS AND SECTIONS TYPE: A-1, B-2 C-1, AND D-2	3/1/10
M702	ELEV. HOISTWAY CAR PLANS AND SECTIONS TYPE: E-2 AND F-2	3/1/10
M703	ELEV. HOISTWAY CAR PLANS AND SECTIONS TYPE: J-2 AND L-1	3/1/10
M704	ESC. CONTROL ROOM ESC. 10,13 THRU 18, 25-26, 27-28, 31-32, 33-34, 37,38,39 AND 40	3/1/10
M705	ELEV. CATHODIC PROTECTION SYSTEM ELEV. 1 THRU 8, 12 AND 13	10/9/09
M706	ESC. FIRE PROTECTION	10/9/09
M707	VERTICAL TRANSPORTATION MONITORING DIAGRAM	3/1/10
M801	ELEV. BAR CHART, ELEV. SCHEDULE AND DUAL WALL PIPING DETAIL	3/1/10
M802	ESC. BAR CHART, SCHEDULE AND DETAILS	3/1/10
VOL 2	ARCHITECTURAL	
A701	ELEV. 1 THRU ELEV. 8 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: A-1	10/9/09
A702	ELEV. 9 AND ELEV. 10 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: B-2	10/9/09
A703	ELEV. 11 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: C-1	10/9/09
A704	ELEV. 12 AND ELEV. 13 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: D-2	10/9/09
A705	ELEV. 14 AND ELEV. 18 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: E-2	10/9/09
A706	ELEV. 16 AND ELEV. 17 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: F-2	10/9/09
A710	ELEV. 24 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: J-2	10/9/09
A711	ELEV. 25 DETAIL PLANS, REFLECTED CEILING PLAN AND SECTION ELEVATIONS TYPE: K-1	3/1/10
A712	ELEVATOR CAR DETAILS AND OPERATING PANELS TYPE: A-1, B-2, C-1, D-2, E-2, F-2, J-2 AND L-1	3/1/10
A713	ELEVATOR CAR DETAILS AND OPERATING PANELS TYPE: C-1, D-1 AND F-1	10/9/09
A714	ELEVATOR CAR DETAILS TYPE: A-1, B-2 AND C-1	10/9/09
A715	ELEVATOR CAR DETAILS TYPE: B-2 D-2, E-2 AND F-2	10/9/09
A716	ELEVATOR CAR DETAILS TYPE: A-1, B-2, D-2, E-2 AND F-2	10/9/09
A717	ESCALATOR PLANS, SECTIONS AND DETAILS	10/9/09
VOL 15	MECHANICAL	
M001	LEGEND, ABBREIVATIONS AND GENERAL NOTES	10/9/09
M101	NORTH PROJECTION FAN PLANT PLAN EL. 250'	10/9/09
M103	NORTH PROJECTION FAN PLANT PLAN EL. 285'	10/9/09
M104	SOUTH PROJECTION FAN PLANT PLAN EL. 250'	10/9/09
M106	SOUTH PROJECTION FAN PLANT PLAN EL. 288'	10/9/09
M204	NORTH PROJECTION SUBSTATION MER PART PLAN AND SECTION	10/9/09
M205	SOUTH PROJECTION SUBSTATION MER PART PLAN AND SECTION	10/9/09
M401	DETAILS SHEET 1	12/23/09
M402	DETAILS SHEET 2	10/9/09
M403	DETAILS SHEET 3	12/23/09

Drawing	Title	Latest Date
P301	WEST STREET CONCOURSE PART PLAN EL. 250-0"	10/9/09
VOL 15	ELECTRICAL	
E001	NORTH AND SOUTH PROJECTIONS VENTILATION LEGEND AND ABBREVIATIONS	10/9/09
E002	NORTH AND SOUTH PROJECTIONS VENTILATION GENERAL NOTES AND LIST OF MANUFACTURERS	10/9/09
E003	NORTH PROJECTION VENTILATION SUBSTATION SINGLE LINE DIAGRAM	10/9/09
E004	NORTH PROJECTION VENTILATION 480V EMERGENCY VENTILATION SYSTEM PROTECTION & CONTROL BLOCK DIAGRAM	10/9/09
E012	NORTH PROJECTION VENTILATION PANEL SCHEDULES	12/23/09
E014	NORTH PROJECTION VENTILATION FAN CONTROL WIRING BLOCK DIAGRAM	10/9/09
E015	NORTH PROJECTION SCADA BLOCK DIAGRAM	10/9/09
E015B	NORTH PROJECTION PLC 3NX SCADA POINT LIST	10/9/09
E017	NORTH PROJECTION VENTILATION 15KV SWITCHGEAR BUS ARRANGEMENTS AND SPECIFIC DATA	10/9/09
E018	NORTH & SOUTH PROJECTIONS VENTILATION 15KV SYSTEM KEY INTERLOCK DIAGRAM	10/9/09
E024	NORTH AND SOUTH PROJECTIONS VENTILATION TYPICAL GROUNDING DETAILS	10/9/09
E028	NORTH AND SOUTH PROJECTIONS VENTILATION LIGHTING FIXTURES SCHEDULE & CONTROL	10/9/09
E032	NORTH PROJECTION VENTILATION WIRING BLOCK DIAGRAMS DAMPER & HVAC CONTROL	12/23/09
E033	NORTH PROJECTION VENTILATION TRANSFORMERS AND 480VAC AUXILIARY SWITCHBOARD SPECIFIC DATA	10/9/09
E035	NORTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE SHEET 1 OF 3	10/9/09
E036	NORTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE SHEET 2 OF 3	10/9/09
E036A	NORTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE SHEET 3 OF 3	10/9/09
E037	NORTH PROJECTION VENTILATION FIRE ALARM SYSTEM RISER DIAGRAM	10/9/09
E041	SOUTH PROJECTION VENTILATION SUBSTATION SINGLE LINE DIAGRAM	10/9/09
E042	SOUTH PROJECTION VENTILATION 480V EMERGENCY VENTILATION SYSTEM PROTECTION & CONTROL BLOCK DIAGRAM	10/9/09
E047	SOUTH PROJECTION VENTILATION PANEL SCHEDULES	12/23/09
E048	SOUTH PROJECTION VENTILATION FAN CONTROL WIRING BLOCK DIAGRAM	10/9/09
E052	SOUTH PROJECTION VENTILATION 15KV SWITCHGEAR BUS ARRANGEMENTS AND SPECIFIC DATA	10/9/09
E053	SOUTH PROJECTION VENTILATION 15KV SYSTEM KEY INTERLOCK DIAGRAM	10/9/09
E064	NORTH AND SOUTH PROJECTIONS VENTILATION FIRE ALARM SYSTEM INSTALLATION & WIRING DETAILS	10/9/09
E065	SOUTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE 1 OF 3	10/9/09
E066	SOUTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE 1 OF 3	10/9/09
E066A	SOUTH PROJECTION VENTILATION CONDUIT AND CABLE SCHEDULE 1 OF 3	10/9/09
E068	SOUTH PROJECTION VENTILATION SUBSTATION TRANSF AND AUX SWITCHBOARD SPECIFIC DATA	10/9/09
E069	SOUTH PROJECTION VENTILATION WIRING BLOCK DIAGRAMS DAMPER & HVAC CONTROL	12/23/09
E070	SOUTH PROJECTION VENTILATION FIRE ALARM SYSTEM RISER DIAGRAM	10/9/09
E074	SOUTH PROJECTION SCADA BLOCK DIAGRAM	10/9/09
E076	SOUTH PROJECTION PLC 3SX SCADA POINT LIST	10/9/09
E201	NORTH PROJECTION ELECTRICAL DEMOLITION PLANS EL. 253' & EL. 284'	10/9/09
E301	NORTH PROJECTION ELECTRICAL CONSTRUCTION PLAN EL. 253'	10/9/09
	COMMUNICATIONS	
EC101	NORTH PROJECTION FAN PLANT EL. 250' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC102	NORTH PROJECTION FAN PLANT EL. 266' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC103	NORTH PROJECTION FAN PLANT EL. 285' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC104	SOUTH PROJECTION FAN PLANT EL. 250' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC105	SOUTH PROJECTION FAN PLANT EL. 270' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC106	SOUTH PROJECTION FAN PLANT EL. 288' COMMUNICATIONS RACEWAY ROUTING	10/9/09
EC201	COMMUNICATION MISCELLANEOUS DETAILS	10/9/09
	TELEPHONE	
ET001	TELEPHONE CABLE RISER DIAGRAM	10/9/09
ET002	TELEPHONE ONE LINE DIAGRAM	10/9/09
ET101	NORTH PROJECTION FAN PLANT EL. 250' TELEPHONE LOCATION PLAN	10/9/09
ET102	NORTH PROJECTION FAN PLANT EL. 266' TELEPHONE LOCATION PLAN	10/9/09
ET103	NORTH PROJECTION FAN PLANT EL. 285' TELEPHONE LOCATION PLAN	10/9/09
ET104	SOUTH PROJECTION FAN PLANT EL. 250' TELEPHONE LOCATION PLAN	10/9/09
ET105	SOUTH PROJECTION FAN PLANT EL. 270' TELEPHONE LOCATION PLAN	10/9/09
ET106	SOUTH PROJECTION FAN PLANT EL. 288' TELEPHONE LOCATION PLAN	10/9/09
	SECURITY	
ES101	NORTH PROJECTION FAN PLANT EL. 250' CCTV AND SACS LOCATION PLAN	10/9/09
ES102	NORTH PROJECTION FAN PLANT EL. 266' CCTV AND SACS LOCATION PLAN	10/9/09
ES103	NORTH PROJECTION FAN PLANT EL. 285' CCTV AND SACS LOCATION PLAN	10/9/09
ES104	SOUTH PROJECTION FAN PLANT EL. 250' CCTV AND SACS LOCATION PLAN	10/9/09

Drawing	Title	Latest Date
ES105	SOUTH PROJECTION FAN PLANT EL. 270' CCTV AND SACS LOCATION PLAN	10/9/09
ES106	SOUTH PROJECTION FAN PLANT EL. 288' CCTV AND SACS LOCATION PLAN	10/9/09
ES200	SACS AND CCTV INSTALLATION DETAILS	10/9/09
	RADIO	
ER002	RADIO GENERAL AND SPECIFICATION NOTES, SUBMITTALS AND EQUIPMENT LISTS	10/9/09
VOL 1 OF 1	CIVIL	
C001	CIVIL NOTES, LEGEND AND ABBREVATIONS	10/9/09
C002	PLAN REFERENCE	10/9/09
C003	CURVE AND SPIRAL DEFINITIONS AND ALIGNMENT DATA	10/9/09
C004	TRACK PLAN -1-	10/9/09
C005	TRACK PLAN -2-	10/9/09
C006	TRACK PLAN -3-	10/9/09
C007	TRACK PLAN -4-	10/9/09
C008	TRACK NO.1 PROFILE	10/9/09
C009	TRACKS NO. 2 AND NO. 3 PROFILES	10/9/09
C010	TRACKS NO. 4 AND NO. 5 PROFILES	10/9/09
C011	TRACKS NO. 1 TO 5 CONTACT RAIL PLAN SOUTH	10/9/09
C012	TRACKS NO. 1 TO 5 CONTACT RAIL PLAN NORTH	10/9/09
C013	TRACK 1 AND TRACK 2 GENERAL PLAN -1-	10/9/09
C014	TRACK 1 AND TRACK 2 GENERAL PLAN -2-	10/9/09
C015	TRACK 1 AND TRACK 2 GENERAL PLAN -3-	10/9/09
C016	TRACK 1 AND TRACK 2 GENERAL PLAN -4-	10/9/09
C017	PLATFORM AREA PLAN -SOUTH	10/9/09
C018	PLATFORM AREA PLAN-NORTH	10/9/09
C019	TRACKS 1 AND 2 UTILITIES PLAN -1-	10/9/09
C020	TRACKS 1 AND 2 UTILITIES PLAN -2-	10/9/09
C021	TRACKS 1 AND 2 UTILITIES PLAN -3-	10/9/09
C022	TRACKS 1 AND 2 UTILITIES PLAN -4-	10/9/09
C023	TRACK 1 AND TRACK 2 TRENCH DRAIN PROFILES	10/9/09
C024	PLATFORM EDGES	10/9/09
C025	TYPICAL SECTIONS	10/9/09
C026	TYPE I DIRECT FIXATION DETAILS	10/9/09
C027	TYPE II DIRECT FIXATION DETAILS	10/9/09
C028	SECTIONS -1-	10/9/09
C029	SECTIONS -2-	10/9/09
C030	SECTIONS 3-	10/9/09
C031	TRACK TRENCH DRAIN CONNECTION DETAILS	10/9/09
C032	GUARD RAIL AND SIGNALS DETAILS	10/9/09
C033	TURNOUT NO. 3 PLAN AND PROFILE	10/9/09
C034	TURNOUT NO. 5 PLAN AND PROFILE	10/9/09
C035	TURNOUT NO. 7 PLAN AND PROFILE	10/9/09
C036	TURNOUT NO. 9 PLAN AND PROFILE	10/9/09
C037	TURNOUT NO. 11 PLAN AND PROFILE	10/9/09
C038	TURNOUT NO. 13 PLAN AND PROFILE	10/9/09
C039	TURNOUT NO. 15 PLAN AND PROFILE	10/9/09
C040	TURNOUT NO. 17 PLAN AND PROFILE	10/9/09
C041	TYPE I DIRECT FIXATION FASTENER DETAILS	10/9/09
C042	SWITCH MACHINE A-10	10/9/09
C043	84C CONTACT RAIL, BRACKET AND COVERBOARD DETAILS	10/9/09
C044	CONTACT RAIL ANCHOR AND ASSEMBLY DETAILS	10/9/09
C045	CONTACT RAIL EXTENSION PLATE DETAILS	10/9/09
OCULUS DRAWINGS		
VOL 1 OF 1	GENERAL - OCULUS	
G0001	TITLE SHEET VOLUME 1	4/1/10
G1001	PROJECT LOCATION AND SITE PLAN	4/1/10
G2001	INDEX OF DRAWINGS VOLUME 1	4/1/10

Drawing	Title	Latest Date
G3001	GENERAL NOTES	4/1/10
G3019	GENERAL SITE PLAN GROUND LEVEL PLAN EL. 326'	4/1/10
G3022	GENERAL SITE PLAN ABOVE GROUND MEP LEVEL PLAN EL. 386'	4/1/10
VOL 1	ARCHITECTURAL - OCULUS	
	GENERAL	
A0002A	ARCHITECTURAL ABBREVIATIONS, MATERIAL SYMBOLS AND DRAWING CONVENTIONS	4/1/10
	TRANSIT HALL DRAWINGS - GENERAL	
A2203	ABOVE GROUND ROOF PLAN EL. 386'	4/1/10
A2303	ABOVE GROUND SKYLIGHT POCKET PLAN	4/1/10
	TRANSIT HALL GENERAL DRAWINGS	
A3101A	PARTIAL SECTIONS TRANSIT HALL LONGITUDINAL SECTION @ AXIS W	4/1/10
A3103A	PARTIAL SECTIONS TRANSIT HALL CROSS SECTIONS @ AXIS 0 & 0A	4/1/10
A3104A	PARTIAL SECTIONS TRANSIT HALL CROSS SECTIONS @ AXIS 8 & 8A	4/1/10
A3105A	PARTIAL SECTIONS TRANSIT HALL CROSS SECTIONS @ AXIS 13 & 14	4/1/10
A4001	TRANSIT HALL ELEVATION NORTH	4/1/10
A4002	TRANSIT HALL ELEVATION SOUTH	4/1/10
A4003	TRANSIT HALL ELEVATION EAST	4/1/10
A4004	TRANSIT HALL ELEVATION WEST	4/1/10
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE	
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE GLAZING	
A8001	TRANSIT HALL EXTERIOR ENVELOPE GLAZING GEOMETRY OVERVIEW	4/1/10
A8002	TRANSIT HALL EXTERIOR ENVELOPE GLAZING GEOMETRY CHARTS	4/1/10
A8012	TRANSIT HALL EXTERIOR ENVELOPE HEAD & SILL DETAILS	4/1/10
A8017	TRANSIT HALL EXTERIOR ENVELOPE GLAZING POCKET DETAIL AT AXIS -13A	4/1/10
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE	
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE OPERABLE SKYLIGHT	
A8101	TRANSIT HALL OPERABLE SKYLIGHT OVERVIEW	4/1/10
A8102	TRANSIT HALL OPERABLE SKYLIGHT SPECIFICATIONS FOR MECHANICAL COMPONENTS	4/1/10
A8103	TRANSIT HALL OPERABLE SKYLIGHT INDEPENDENT MODULES DISTRIBUTION	4/1/10
A8113	TRANSIT HALL OPERABLE SKYLIGHT NORTH MODULE #0 COMPONENTS	4/1/10
A8114	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #1 COMPONENTS	4/1/10
A8115	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #2 & #3 COMPONENTS	4/1/10
A8116	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #4 TO #6 COMPONENTS	4/1/10
A8117	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #7 TO #9 COMPONENTS	4/1/10
A8118	TRANSIT HALL OPERABLE SKYLIGHT NORTH WEST MODULE #1 COMPONENTS	4/1/10
A8119	TRANSIT HALL OPERABLE SKYLIGHT NORTH WEST MODULE #2 & #3 COMPONENTS	4/1/10
A8120	TRANSIT HALL OPERABLE SKYLIGHT NORTH WEST MODULE #4 TO #6 COMPONENTS	4/1/10
A8121	TRANSIT HALL OPERABLE SKYLIGHT NORTH WEST MODULE #7 TO #9 COMPONENTS	4/1/10
A8132	TRANSIT HALL OPERABLE SKYLIGHT STEELWORK GEOMETRY	4/1/10
A8133	TRANSIT HALL OPERABLE SKYLIGHT NORTH MODULE #0 STEELWORK	4/1/10
A8134	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #1 STEELWORK	4/1/10
A8135	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULES #2 & #3 STEELWORK	4/1/10
A8136	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULES #4 & #6 STEELWORK	4/1/10
A8137	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULES #7 & #8 STEELWORK	4/1/10
A8138	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #9 STEELWORK	4/1/10
A8139	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #1 STEELWORK	4/1/10
A8140	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #2 & #3 STEELWORK	4/1/10
A8141	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #4 TO #6 STEELWORK DETAILS	4/1/10
A8142	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #7 TO #8 STEELWORK	4/1/10
A8143	TRANSIT HALL OPERABLE SKYLIGHT NORTH EAST MODULE #9 STEELWORK	4/1/10
A8144	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF CARRIAGE SYSTEM 1 OF 4	4/1/10
A8145	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF CARRIAGE SYSTEM 2 OF 4	4/1/10
A8145A	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF MOTOR SYSTEM 3 OF 4	4/1/10
A8145B	DETAILS AND SECTIONS	4/1/10
A8145C	DETAILS AND SECTIONS	4/1/10
A8146	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF CARRIAGE SYSTEM SHEET 4 OF 4	4/1/10
A8150	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF ACTUATOR SYSTEM SHEET 1 OF 3	4/1/10
A8151	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF ACTUATOR SYSTEM SHEET 2 OF 3	4/1/10

Drawing	Title	Latest Date
A8152	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF ACTUATOR SYSTEM SHEET 3 OF 3	4/1/10
A8153	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF DRIVE SYSTEM 1 OF 3	4/1/10
A8154	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF MOTOR SYSTEM 2 OF 3	4/1/10
A8154A	TRANSIT HALL OPERABLE SKYLIGHT DETAILS OF MOTOR SYSTEM 3 OF 3	4/1/10
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE OPERABLE SKYLIGHT GLAZING	
A8182	TRANSIT HALL OPERABLE SKYLIGHT GLAZING GEOMETRY OVERVIEW	4/1/10
A8184	TRANSIT HALL OPERABLE SKYLIGHT GLAZING SCHEDULE ROLLOUT	4/1/10
A8185	TRANSIT HALL OPERABLE SKYLIGHT GLAZING SCHEDULE ROLLOUT	4/1/10
A8186	TRANSIT HALL OPERABLE SKYLIGHT GLAZING SCHEDULE ROLLOUT	4/1/10
A8187	TRANSIT HALL OPERABLE SKYLIGHT GLAZING PARTIAL PLANS AND SECTION	4/1/10
A8189	TRANSIT HALL OPERABLE SKYLIGHT GLAZING GLAZING DETAILS	4/1/10
A8190	TRANSIT HALL OPERABLE SKYLIGHT GLAZING GLAZING DETAILS	4/1/10
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE METAL CLADDING	
A8210	TRANSIT HALL EXTERIOR ENVELOPE SECTION BETWEEN AXES 0 TO 0A	4/1/10
A8211	TRANSIT HALL EXTERIOR ENVELOPE SECTION BETWEEN AXIS 7 & 7A	4/1/10
A8212	TRANSIT HALL EXTERIOR ENVELOPE SECTION BETWEEN AXIS 13A & 14	4/1/10
A8221	TRANSIT HALL EXTERIOR ENVELOPE METAL CLADDING GEOMETRY	4/1/10
A8231	TRANSIT HALL EXTERIOR ENVELOPE RAINSCREEN GEOMETRY	4/1/10
A8232	TRANSIT HALL EXTERIOR ENVELOPE METAL CLADDING/ RAINSCREEN DIMENSION/ COORDINATE TABLES	4/1/10
A8233	TRANSIT HALL EXTERIOR ENVELOPE CATWALK CLADDING GEOMETRY	4/1/10
A8234	TRANSIT HALL EXTERIOR ENVELOPE CATWALK CLADDING DIMENSION/ COORDINATE TABLES	4/1/10
A8235	TRANSIT HALL EXTERIOR ENVELOPE CATWALK CLADDING GEOMETRY	4/1/10
	TRANSIT HALL DETAIL DRAWINGS EXTERIOR ENVELOPE ROOFING, INSULATION & DRAINAGE	
A8241	TRANSIT HALL EXTERIOR ENVELOPE TYPICAL DETAILS METAL CLADDING	4/1/10
A8243	TRANSIT HALL EXTERIOR ENVELOPE TYPICAL DETAILS RAINSCREEN	4/1/10
A8244	TRANSIT HALL EXTERIOR ENVELOPE TYPICAL CATWALK CLADDING	4/1/10
A8248	TRANSIT HALL EXTERIOR ENVELOPE TYPICAL DETAILS ROOFING, INSULATION & DRAINAGE	4/1/10
A8249	TRANSIT HALL EXTERIOR ENVELOPE TYPICAL DETAILS ROOFING, INSULATION & DRAINAGE	4/1/10
	TRANSIT HALL DETAIL DRAWINGS STONE BENCH	
A8281	TRANSIT HALL BUILDING BASE PARTIAL PLANS, SECTIONS & ELEVATIONS	4/1/10
A8282	TRANSIT HALL BUILDING BASE PARTIAL PLANS, SECTIONS & ELEVATIONS	4/1/10
A8283	TRANSIT HALL BUILDING BASE PARTIAL PLANS, SECTIONS & ELEVATIONS	4/1/10
A8284	TRANSIT HALL BUILDING BASE PARTIAL SECTIONS	4/1/10
A8294	TRANSIT HALL BUILDING BASE TYPICAL DETAILS	4/1/10
A8295	TRANSIT HALL BUILDING BASE TYPICAL DETAILS	4/1/10
	TRANSIT HALL DETAIL DRAWINGS ABUTMENT & ENTRIES	
A8401	TRANSIT HALL ABUTMENT & ENTRY PARTIAL PLANS	4/1/10
A8402	TRANSIT HALL ABUTMENT & ENTRY PARTIAL PLANS	4/1/10
A8410	TRANSIT HALL ABUTMENT & ENTRY PARTIAL RCP	4/1/10
A8420	TRANSIT HALL ABUTMENT & ENTRY PARTIAL SECTION ALONG AXIS W	4/1/10
A8421	TRANSIT HALL ABUTMENT & ENTRY PARTIAL LONGITUDINAL SECTION	4/1/10
A8422	TRANSIT HALL ABUTMENT & ENTRY PARTIAL TRANSVERSE SECTION	4/1/10
A8423	TRANSIT HALL ABUTMENT & ENTRY PARTIAL TRANSVERSE SECTION	4/1/10
A8424	TRANSIT HALL ABUTMENT & ENTRY PARTIAL TRANSVERSE SECTION	4/1/10
A8430	TRANSIT HALL ABUTMENT & ENTRY PARTIAL EXTERIOR ELEVATION	4/1/10
A8431	TRANSIT HALL ABUTMENT & ENTRY PARTIAL EXTERIOR ELEVATION	4/1/10
A8440	TRANSIT HALL WEST ABUTMENT & ENTRY PARTIAL PLANS	4/1/10
A8460	TRANSIT HALL EAST ABUTMENT & ENTRY INTERIOR ELEVATIONS	4/1/10
A8461	TRANSIT HALL WEST ABUTMENT & ENTRY INTERIOR ELEVATIONS	4/1/10
A8471	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8472	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8473	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8474	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8476	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8477	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10

Drawing	Title	Latest Date
A8478	TRANSIT HALL ABUTMENT & ENTRY DETAILS	4/1/10
A8479	TRANSIT HALL ENTRY DEVICES	4/1/10
A8480	TRANSIT HALL ABUTMENT DETAILS	4/1/10
A8481	TRANSIT HALL EXTENT OF INTUMESCENT COATING	4/1/10
VOL 4	GENERAL - OCULUS	
G0004	TITLE SHEET VOLUME 4	4/1/10
G2001	INDEX OF DRAWINGS VOLUME 1	4/1/10
G2004	INDEX OF DRAWINGS VOLUME 4	4/1/10
VOL 4	HUB LANDSCAPE - OCULUS	
	SITE PLANS	
LH-101	GROUND LEVEL FINISHES LAYOUT PLAN	4/1/10
LH-102	GROUND LEVEL GRADING PLAN	4/1/10
LH-103	GROUND LEVEL PAVING MATERIALS PLAN	4/1/10
LH-104	GROUND LEVEL PLANTING AND SOIL PLACEMENT PLAN	4/1/10
LH-105	GROUND LEVEL IRRIGATION PLAN	4/1/10
LH-106	TEMPORARY FURNISHING LAYOUT PLAN	4/1/10
	SITE SECTIONS	
LH-201	GROUND LEVEL SITE SECTIONS	4/1/10
LH-202	GROUND LEVEL SITE SECTIONS	4/1/10
LH-203	GROUND LEVEL SITE SECTIONS	4/1/10
	ENLARGEMENTS	
LH-401	ENLARGEMENT PLANS - WEST ENTRY	4/1/10
LH-402	ENLARGEMENT PLANS - EAST ENTRY	4/1/10
LH-403	ENLARGEMENT PLANS - DEY STREET WEST	4/1/10
LH-404	ENLARGEMENT PLANS - DEY STREET EAST	4/1/10
	DETAILS	
LH-501	GROUND LEVEL PAVING DETAILS	4/1/10
LH-502	GROUND LEVEL PLANTER WALL DETAILS 1	4/1/10
LH-503	DEY STREET STAIR DETAILS	4/1/10
LH-504	GROUND LEVEL PLANTER WALL DETAILS 2	4/1/10
LH-505	GROUND LEVEL TRENCH DRAIN DETAILS	4/1/10
LH-506	GROUND LEVEL PLANTING DETAILS	4/1/10
LH-507	GROUND LEVEL IRRIGATION DETAILS	4/1/10
LH-508	GROUND LEVEL TEMPORARY FURNISHING DETAILS	4/1/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
ALL	GENERAL	
G1001	PROJECT LOCATION AND SITE PLAN	10/9/09
G2001	INDEX OF DRAWINGS VOLUME 1	7/1/10
G2002	INDEX OF DRAWINGS VOLUME 2	7/1/10
G2003	INDEX OF DRAWINGS VOLUME 3	12/23/09
G2004	INDEX OF DRAWINGS VOLUME 4	7/1/10
G2005	INDEX OF DRAWINGS VOLUME 5	7/1/10
G2006	INDEX OF DRAWINGS VOLUME 6	7/1/10
G2007	INDEX OF DRAWINGS VOLUME 7	7/1/10
G2008	INDEX OF DRAWINGS VOLUME 8	7/1/10
G2009	INDEX OF DRAWINGS VOLUME 9	7/1/10
G2010	INDEX OF DRAWINGS VOLUME 10	7/1/10
G2011	INDEX OF DRAWINGS VOLUME 11	7/1/10
G2012	INDEX OF DRAWINGS VOLUME 12	7/1/10
G2013	INDEX OF DRAWINGS VOLUME 13	7/1/10
G3011	GENERAL SITE PLAN CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
G3012	GENERAL SITE PLAN INVERT/CAR PARKING LEVEL EL. 242'/ 237'	10/9/09
G3013	GENERAL SITE PLAN PLATFORM/BUS PARKING LEVEL EL. 250'/ 254'	11/16/09
G3014	GENERAL SITE PLAN MEZZANINE LEVEL EL. 266'	11/16/09
G3015	GENERAL SITE PLAN TRANSIT HALL LEVEL EL. 274'	11/16/09
G3016	GENERAL SITE PLAN DEY STREET/ WEST STREET CONCOURSE LEVEL EL. 284'/EL. 285'	11/16/09
G3017	GENERAL SITE PLAN UPPER TRANSIT HALL LEVEL EL. 296'	11/16/09
G3018	GENERAL SITE PLAN PARTIAL UPPER TRANSIT HALL LEVEL PLAN EL. 306'	10/9/09
G3019	GENERAL SITE PLAN GROUND LEVEL PLAN EL. 326'	10/9/09
	GEOMETRY PLANS	
G5010	GEOMETRY PLAN CENTRAL PLANT LEVEL EL. 220'-0"	4/1/10
G5011	GEOMETRY PLAN CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
G5012	GEOMETRY PLAN INVERT CAR PARKING LEVEL EL. 242'/237'	10/9/09
G5013	GEOMETRY PLAN PLATFORM LEVEL EL. 250'	10/9/09
G5014	GEOMETRY PLAN MEZZANINE LEVEL EL. 266'	10/9/09
G5015	GEOMETRY PLAN TRANSIT HALL LEVEL EL. 274'	10/9/09
G5016	GEOMETRY PLAN DEY STREET/ WEST STREET CONCOURSE LEVEL EL. 284'/285'	10/9/09
G5017	GEOMETRY PLAN UPPER TRANSIT HALL LEVEL EL. 296'	10/9/09
G5018	GEOMETRY PLAN PARTIAL UPPER TRANSIT HALL LEVEL EL. 306'	10/9/09
G5019	GEOMETRY PLAN GROUND LEVEL PLAN EL. 326'	10/9/09
G5101	GEOMETRY PLAN CENTRAL PLANT LEVEL EL. 220'-0"	6/10/10
G5111	GEOMETRY PART PLAN CENTRAL PLANT LEVEL EL. 229'-6"	6/10/10
G5118	GEOMETRY PART PLAN WEST STREET CONCOURSE LEVEL EL. 284'	10/9/09
G5121	GEOMETRY PART PLAN CAR PARKING LEVEL EL. 237'	4/1/10
G5131	GEOMETRY PART PLAN BUS PARKING LEVEL EL. 254'	4/1/10
G5141	GEOMETRY PART PLAN MEZZANINE LEVEL EL. 266'	6/10/10
G5151	GEOMETRY PART PLAN TRANSIT HALL LEVEL EL. 274'	6/10/10
G5152	GEOMETRY PLAN SOUTH CONCOURSE EL. 274'	10/9/09
G5161	GEOMETRY PLAN DEY STREET/ WEST STREET CONCOURSE LEVEL EL. 284'/ EL. 285'	6/10/10
G5171	GEOMETRY PLAN UPPER TRANSIT HALL LEVEL EL. 296'	6/10/10
G5172	GEOMETRY PLAN SOUTH CONCOURSE EL. 296'	10/9/09
G5173	GEOMETRY PLAN UPPER TRANSIT HALL LEVEL EL. 296'	6/10/10
G5174	GEOMETRY PLAN PARTIAL UPPER TRANSIT HALL LEVEL PLAN EL. 296'	6/10/10
G5181	GEOMETRY PLAN PARTIAL UPPER TRANSIT HALL LEVEL PLAN EL. 306'	4/1/10
G5191	GEOMETRY PLAN GROUND LEVEL PLAN EL. 326'	6/10/10
G5293	GEOMETRY PLAN GROUND LEVEL PLAN EL. 325'	6/10/10
G6001	GEOMETRY PLAN STEEL FASCIA 1 OF 3	6/10/10
G6002	GEOMETRY PLAN STEEL FASCIA 2 OF 3	6/10/10
G6003	GEOMETRY PLAN STEEL FASCIA 3 OF 3	6/10/10
G6004	TRANSIT HALL WEST GRADE GIRDER GEOMETRY	6/10/10
G6005	TRANSIT HALL EAST GRADE GIRDER GEOMETRY	6/10/10
G9512	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 12	10/9/09
G9513	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 11	10/9/09
G9514	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 10	10/9/09
G9515	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 9	10/9/09
G9516	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 8	10/9/09
G9517	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 7	10/9/09
G9518	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 6	10/9/09
G9519	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 5	10/9/09
G9520	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 4	10/9/09

Drawing	Title	Latest Date
G9521	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 3	10/9/09
G9522	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 2	10/9/09
G9523	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 1	10/9/09
G9524	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS - 0	10/9/09
G9525	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 1	10/9/09
G9526	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 2	10/9/09
G9527	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 3	10/9/09
G9528	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 4	10/9/09
G9529	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 5	10/9/09
G9530	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 6	10/9/09
G9531	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 7	10/9/09
G9532	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 8	10/9/09
G9533	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 9	10/9/09
G9534	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 10	10/9/09
G9535	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 11	10/9/09
G9536	TRANSIT HALL CROSS SECTION PORTAL FRAME ELLIPSE COLUMNS @ AXIS + 12	10/9/09
VOL 8	**ARCHITECTURAL**	
	CODE COMPLIANCE 1"=40'-0"	
A0030	CODE COMPLIANCE PLAN EMERGENCY EGRESS CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
A0031	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09
A0032	CODE COMPLIANCE PLAN EMERGENCY EGRESS CAR PARKING LEVEL EL. 237'/ 242'	6/10/10
A0034	CODE COMPLIANCE PLAN EMERGENCY EGRESS PLATFORM LEVEL EL. 250'	10/9/09
A0035	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION PLATFORM LEVEL EL. 250'	6/10/10
A0036	CODE COMPLIANCE PLAN EMERGENCY EGRESS MEZZANINE LEVEL EL. 266'	11/16/09
A0037	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION MEZZANINE LEVEL EL. 266'	6/10/10
A0038	CODE COMPLIANCE PLAN EMERGENCY EGRESS TRANSIT HALL LEVEL EL. 274'	10/9/09
A0039	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION TRANSIT HALL LEVEL EL. 274'	6/10/10
A0040	CODE COMPLIANCE PLAN EMERGENCY EGRESS DEY STREET CONCOURSE LEVEL EL. 285'	12/23/09
A0041	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION DEY STREET CONCOURSE LEVEL EL. 285'	6/10/10
A0042	CODE COMPLIANCE PLAN EMERGENCY EGRESS UPPER TRANSIT HALL LEVEL EL. 296'	10/9/09
A0043	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION UPPER TRANSIT HALL LEVEL EL. 296'	6/10/10
A0044	CODE COMPLIANCE PLAN EMERGENCY EGRESS GROUND CONCOURSE LEVEL EL. 326'	10/9/09
A0045	CODE COMPLIANCE PLAN FIRE RATED CONSTRUCTION GROUND LEVEL EL. 326'	10/9/09
A0046	CODE COMPLIANCE PLAN EMERGENCY EGRESS ABOVE GRADE MECHANICAL LEVEL EL. 386'	10/9/09
A0048	CODE COMPLIANCE PLAN EMERGENCY EGRESS ABOVE GRADE MECHANICAL LEVEL EL. 404'	10/9/09
A0050	ADAAG CLEARANCES	10/9/09
	PART PLANS 1/8"=1'-0"	
A1104	CENTRAL PLANT LEVEL PART PLAN 4 EL. 229'-6"	11/16/09
A1105	CENTRAL PLANT LEVEL PART PLAN 5 EL. 229'-6"	10/9/09
A1106	CENTRAL PLANT LEVEL PART PLAN 6 EL. 229'-6"	12/23/09
A1113	CENTRAL PLANT LEVEL PART PLAN 13 EL. 228'	10/9/09
A1201	CAR PARKING LEVEL PART PLAN 1 EL. 237'	2/1/10
A1202	CAR PARKING LEVEL PART PLAN 2 EL. 237'	6/10/10
A1203	CAR PARKING LEVEL PART PLAN 3 EL. 237'	6/10/10
A1204	CAR PARKING LEVEL PART PLAN 4 EL. 237'	6/10/10
A1205	CAR PARKING LEVEL PART PLAN 5 EL. 237'	7/1/10
A1206	CAR PARKING LEVEL PART PLAN 6 EL. 237'	7/1/10
A1207	CAR PARKING LEVEL PART PLAN 7 EL. 237'	10/9/09
A1208	CAR PARKING LEVEL PART PLAN 8 EL. 241'	4/1/10
A1209	CAR PARKING LEVEL PART PLAN 9 EL. 241'	10/9/09
A1210	CAR PARKING LEVEL PART PLAN 10 EL. 241'	2/1/10
A1211	INVERT LEVEL PART PLAN 11 EL. 242'	6/10/10
A1212	INVERT LEVEL PART PLAN 12 EL. 242'	6/10/10
A1213	INVERT LEVEL PART PLAN 13 EL. 242'	10/9/09
A1214	INVERT LEVEL PART PLAN 14 EL. 242'	10/9/09
A1215	INVERT LEVEL PART PLAN 15 EL. 242'	12/23/09
A1221	INVERT LEVEL PART PLAN EL. 242' T1 HUB SUPPORT ROOMS	10/9/09
A1301	BUS PARKING LEVEL PART PLAN 1 EL. 254'	2/1/10
A1302	BUS PARKING LEVEL PART PLAN 2 EL. 254'	6/10/10
A1303	BUS PARKING LEVEL PART PLAN 3 EL. 254'	6/10/10
A1304	BUS PARKING LEVEL PART PLAN 4 EL. 254'	6/10/10
A1305	BUS PARKING LEVEL PART PLAN 5 EL. 254'	7/1/10
A1306	BUS PARKING LEVEL PART PLAN 6 EL. 254'	6/10/10
A1307	BUS PARKING LEVEL PART PLAN 7 EL. 254'	2/1/10
A1308	BUS PARKING LEVEL PART PLAN 8 EL. 254'	4/1/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
A1309	BUS PARKING LEVEL PART PLAN 9 EL. 254'	2/1/10
A1310	BUS PARKING LEVEL PART PLAN 10 EL. 254'	10/9/09
A1311	PLATFORM LEVEL PART PLAN 11 EL. 250'-3"	7/1/10
A1312	PLATFORM LEVEL PART PLAN 12 EL. 250'-3"	12/23/09
A1313	PLATFORM LEVEL PART PLAN 13 EL. 250'-3"	12/23/09
A1314	PLATFORM LEVEL PART PLAN 14 EL. 250'-3"	7/1/10
A1315	PLATFORM LEVEL PART PLAN 15 EL. 250'-3"	6/10/10
A1321	PLATFORM LEVEL PART PLAN EL.250' T1 HUB SUPPORT ROOMS	10/9/09
A1403	MEZZANINE LEVEL PART PLAN 3 EL. 266'	7/1/10
A1404	MEZZANINE LEVEL PART PLAN 4 EL. 266'	6/10/10
A1406	MEZZANINE LEVEL PART PLAN 6 EL. 266'	6/10/10
A1410	MEZZANINE LEVEL PART PLAN 10 EL. 266'	2/1/10
A1411	MEZZANINE LEVEL PART PLAN 11 EL. 266'	6/10/10
A1412	MEZZANINE LEVEL PART PLAN 12 EL. 266'	12/23/09
A1413	MEZZANINE LEVEL PART PLAN 13 EL. 266'	4/1/10
A1414	MEZZANINE LEVEL PART PLAN 14 EL. 266'	7/1/10
A1415	MEZZANINE LEVEL PART PLAN 15 EL. 266'	7/1/10
A1418	MEZZANINE LEVEL PART PLAN 18 EL. 266'	10/9/09
A1419	MEZZANINE LEVEL PART PLAN 19 EL. 266'	4/1/10
A1501	TRANSIT HALL LEVEL PART PLAN 1 EL. 274'	7/1/10
A1502	TRANSIT HALL LEVEL PART PLAN 2 EL. 274'	7/1/10
A1503	TRANSIT HALL LEVEL PART PLAN 3 EL. 274'	6/10/10
A1504	TRANSIT HALL LEVEL PART PLAN 4 EL. 274'	7/1/10
A1505	TRANSIT HALL LEVEL PART PLAN 5 EL. 274'	6/10/10
A1506	TRANSIT HALL LEVEL PART PLAN 6 EL. 274'	6/10/10
A1507	TRANSIT HALL LEVEL PART PLAN 7 EL. 274'	2/1/10
A1508	TRANSIT HALL LEVEL PART PLAN 8 EL. 274'	7/1/10
A1509	TRANSIT HALL LEVEL PART PLAN 9 EL. 274'	10/9/09
A1510	TRANSIT HALL LEVEL PART PLAN 10 EL. 274'	4/1/10
A1514	TRANSIT HALL LEVEL PART PLAN 14 EL. 274'	6/10/10
A1519	MEZZANINE LEVEL PART PLAN 19 EL. 274-0"	10/9/09
A1603	DEY STREET CONCOURSE LEVEL PART PLANS 1 AND 2 EL. 284'-6"	10/9/09
A1611	WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'	6/10/10
A1612	WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'	12/23/09
A1613	WEST STREET CONCOURSE LEVEL PART PLAN 13 EL. 284'	6/10/10
A1614	WEST STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'	7/1/10
A1615	WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'	7/1/10
A1618	WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 284'	10/9/09
A1619	WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 284'	10/9/09
A1701	UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'	7/1/10
A1702	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'	7/1/10
A1703	UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'	7/1/10
A1704	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'	7/1/10
A1705	UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'	4/1/10
A1706	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'	6/10/10
A1707	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'	2/1/10
A1708	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'	7/1/10
A1709	UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'	10/9/09
A1712	UPPER TRANSIT HALL LEVEL PART PLAN 12 EL. 298'	4/1/10
A1713	UPPER TRANSIT HALL LEVEL PART PLAN 13 EL. 298'	6/10/10
A1714	UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 298'	7/1/10
A1801	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 306'	7/1/10
A1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 AND 5 EL. 306'	7/1/10
A1809	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'	12/23/09
A1812	SUB GROUND LEVEL PART PLAN 12 EL. 306'	6/10/10
A1813	SUB GROUND LEVEL PART PLAN 13 EL. 306'	4/1/10
A1814	SUB GROUND LEVEL PART PLAN 14 EL. 306'	4/1/10
A1815	SUB GROUND LEVEL PART PLAN 15 EL. 306'	4/1/10
A1818	SUB GROUND LEVEL PART PLAN 18 EL. 306'	10/9/09
A1819	SUB GROUND LEVEL PART PLAN 19 EL. 306'	10/9/09
A1903A	SUB GRADE LEVEL PART PLAN 3	2/1/10
A1904A	SUB GRADE LEVEL PART PLAN 4	2/1/10
A1905A	SUB GRADE LEVEL PART PLAN 5	2/1/10

Drawing	Title	Latest Date
A1906A	SUB GRADE LEVEL PART PLAN 6	2/1/10
A1912	SUB GROUND LEVEL PART PLAN 12 EL. 312'	4/1/10
A1913	SUB GROUND LEVEL PART PLAN 13 EL. 312'	4/1/10
A2207	ABOVE GROUND MEP LEVEL PART PLAN 7 EL. 386'	10/9/09
A2208	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 386'	2/1/10
A2209	ABOVE GROUND MEP LEVEL PART PLAN 9 EL. 386'	10/9/09
A2217	ABOVE GROUND MEP LEVEL PART PLAN 17 EL. 386'-0"	10/9/09
A2302	ABOVE GRADE MEP LEVEL PART PLAN 2 AND 9 EL. 404' TOWER 2 AND TOWER 4	2/1/10
A2307	ABOVE GRADE MEP LEVEL PART PLAN 7 EL. 404'	10/9/09
A2308	ABOVE GRADE MEP LEVEL PART PLAN 8 EL. 404'	10/9/09
	SECTIONS	
	SECTIONS - CENTRAL FAN PLANT AND CAR PARKING LEVELS	
A3021	TRANSIT HALL CENTRAL PLANT NORTH-SOUTH SECTIONS	10/9/09
A3022	TRANSIT HALL CENTRAL PLANT SECTIONS	7/1/10
A3023	TRANSIT HALL CENTRAL PLANT SILT, SUMP AND EJECTOR PIT DETAILS	10/9/09
A3025	CENTRAL PLANT DETAIL SECTIONS	6/10/10
A3026	CENTRAL PLANT DETAIL SECTIONS	7/1/10
A3027	CENTRAL PLANT DETAIL SECTIONS	10/9/09
A3028	CENTRAL PLANT DETAIL SECTIONS	10/9/09
A3031	CENTRAL PLANT INTERIOR ELEVATIONS	7/1/10
A3032	CENTRAL PLANT INTERIOR ELEVATIONS	7/1/10
	SECTIONS - BUS PARKING LEVELS	
A3051	NORTH FAN ROOM SECTIONS UNDER 1 -LINE	4/1/10
A3054	SOUTH FAN ROOM SECTIONS UNDER 1-LINE	4/1/10
	A3055 EAST WEST SECTIONS LOOKING NORTH UNDER 1-LINE	
	SECTIONS - PLATFORMS	
A3401	SECTIONS THRU SUPPLY AIR AND UTILITY TUNNELS	10/9/09
A3403	LONGITUDINAL SECTIONS THRU NORTH AND SOUTH ENDS OF PLATFORM B	10/9/09
	SECTION - PATH HALL	
A3454	PATH HALL NORTH SOUTH SECTION AT D16	10/9/09
A3455	PATH HALL NORTH SOUTH SECTION AT D19	10/9/09
A3456	PATH HALL NORTH SOUTH SECTION AT D25	10/9/09
A3457	NORTH MEZZANINE NORTH SOUTH SECTIONS AT D19 AND D25	10/9/09
	SECTIONS - SOUTH MEZZANINE	
A3504	SOUTH MEZZANINE NORTH AND SOUTH SECTIONS	7/1/10
A3505	SOUTH MEZZANINE EAST WEST SECTION AT K AND SA	10/9/09
A3506	SOUTH MEZZANINE EAST WEST SECTION AT AP1 AND AP2	10/9/09
A3507	SOUTH MEZZANINE EAST WEST SECTION AT MUSEUM PAVILION SHAFTS	10/9/09
A3508	SOUTH MEZZANINE EAST WEST SECTION AT N.5 AND SMOKE DUCT	7/1/10
A3509	SOUTH MEZZANINE EAST WEST SECTION BETWEEN P5 AND Q	10/9/09
A3510	SOUTH MEZZANINE EAST WEST SECTION AT R.2	11/16/09
A3511	SOUTH MEZZANINE SUBSTATION SECTIONS	7/1/10
A3512	SOUTH MEZZANINE SUBSTATION SECTIONS	7/1/10
A3513	SOUTH MEZZANINE SUBSTATION SECTIONS	7/1/10
A3521	SOUTH MEZZANINE B.O.H. PARTIAL SECTIONS	6/10/10
	SECTION - WEST STREET CONCOURSE	
A3553	WEST STREET CONCOURSE CROSS SECTION AT AXIS D49	10/9/09
A3554	WEST STREET CONCOURSE CROSS SECTION AT AXIS D51 AND D61	10/9/09
A3555	WEST STREET CONCOURSE CROSS SECTION AT AXIS D73	10/9/09
A3601	9A UNDERPASS CROSS SECTIONS	10/9/09
	BOH INTERIOR ELEVATIONS	
	INTERIOR ELEVATIONS - ABOVE GRADE MEP LEVEL	
A4421	DISPATCHERS ROOM ELEVATIONS AND DETAILS	12/23/09
A4426	STATION OCC PLAN AND ELEVATIONS	7/1/10
A4427	DETENTION CELL PLANS, ELEVATIONS, AND DETAILS	10/9/09
	FLOOR FINISHES AND DETAILS	
	SOUTH MEZZANINE FLOOR FINISH DETAILS	
A5082	STATION OCC DETAILS	6/10/10
	FIRE PROOFING PLANS	

Drawing	Title	Latest Date
A5290	FIREPROOFING PART PLAN 1 EL. 237'	4/1/10
A5291	FIREPROOFING PART PLAN 1 EL. 242'	10/9/09
A5292	FIREPROOFING PART PLAN 2 EL. 242'	10/9/09
A5293	FIREPROOFING PART PLAN 3 EL. 242'/250'	10/9/09
A5294	FIREPROOFING PART PLAN 1 EL. 254'	10/9/09
A5295	FIREPROOFING PART PLAN 2 EL. 254'	10/9/09
A5296	FIREPROOFING FLOOR FRAMING EL. 266'	4/1/10
A5297	FIREPROOFING PART PLAN 1 EL. 266'	10/9/09
A5298	FIREPROOFING PART PLAN 2 EL. 266'	4/1/10
A5299	FIREPROOFING PART PLAN 3 EL. 266'	4/1/10
A5300	FIREPROOFING PART PLAN 1 EL. 274'	10/9/09
A5301	FIREPROOFING PART PLAN 2 EL. 274'	4/1/10
A5302	FIREPROOFING FLOOR FRAMING EL. 285'	4/1/10
A5303	FIREPROOFING PART PLAN 1 EL. 285'	10/9/09
A5304	FIREPROOFING PART PLAN 2 EL. 285'	4/1/10
A5305	FIREPROOFING PART PLAN 3 EL. 285'	4/1/10
A5306	FIREPROOFING PART PLAN 1 EL. 296'	10/9/09
A5307	FIREPROOFING ROOF FRAMING EL. 306'	4/1/10
A5308	FIREPROOFING PART PLAN 1 EL. 306'	6/10/10
	PATH HALL, WEST STREET CONCOURSE AND 9A UNDERPASS FLOOR FINISH DETAILS	
	REFLECTED CEILING PLAN (1/8"=1'-0")	
A5802	MEP LEVEL REFLECTED CEILING PLAN 2 EL. 237'	6/10/10
A5802A	MEP LEVEL REFLECTED CEILING PLAN 1 EL. 237'	2/1/10
A5803	MEP LEVEL REFLECTED CEILING PLAN 3 EL. 237'	10/9/09
A5804	MEP LEVEL. REFLECTED CEILING PLAN 4 EL. 237'	6/10/10
A5805	MEP LEVEL REFLECTED CEILING PLAN 5 EL. 237'	6/10/10
A5806	MEP LEVEL REFLECTED CEILING PLAN 6 EL. 237'	6/10/10
A5807	PLATFORM LEVEL REFLECTED CEILING PLAN 2 EL. 254'	6/10/10
A5808	PLATFORM LEVEL REFLECTED CEILING PLAN 3 EL. 254'	6/10/10
A5809	PLATFORM LEVEL REFLECTED CEILING PLAN 4 EL. 254'	6/10/10
A5810	PLATFORM LEVEL REFLECTED CEILING PLAN 5 EL. 254'	6/10/10
A5811	PLATFORM LEVEL REFLECTED CEILING PLAN 6 EL. 254'	4/1/10
A5812	PLATFORM LEVEL REFLECTED CEILING PLAN 7 EL. 254'	6/10/10
A5813	PLATFORM LEVEL REFLECTED CEILING PLAN 10 EL. 254'	10/9/09
A5814	PLATFORM LEVEL REFLECTED CEILING PLAN 11 EL. 250'	4/1/10
A5815	PLATFORM LEVEL REFLECTED CEILING PLAN 12 EL. 250'	4/1/10
A5816	PLATFORM LEVEL REFLECTED CEILING PLAN 13 EL. 250'	4/1/10
A5817	PLATFORM LEVEL REFLECTED CEILING PLAN 14 EL. 250'	6/10/10
A5818	PLATFORM LEVEL REFLECTED CEILING PLAN 15 EL. 250'	6/10/10
A5819	MEZZANINE LEVEL REFLECTED CEILING PLAN 4 EL. 266'	4/1/10
A5820	MEZZANINE LEVEL REFLECTED CEILING PLAN 6 EL. 266'	6/10/10
A5821	MEZZANINE LEVEL REFLECTED CEILING PLAN 11 EL 266'	6/10/10
A5822	MEZZANINE LEVEL REFLECTED CEILING PLAN 12 EL 266'	6/10/10
A5823	MEZZANINE LEVEL REFLECTED CEILING PLAN 13 EL 266'	4/1/10
A5824	MEZZANINE LEVEL REFLECTED CEILING PLAN 14 EL 266'	6/10/10
A5825	MEZZANINE LEVEL REFLECTED CEILING PLAN 15 EL 266'	7/1/10
A5826	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 1 EL 274'	7/1/10
A5827	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 2 EL 274'	7/1/10
A5828	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 3 EL 274'	6/10/10
A5829	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 4 EL 274'	7/1/10
A5830	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 5 EL 274'	6/10/10
A5831	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 6 EL 274'	6/10/10
A5832	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 7 EL 274'	6/10/10
A5833	TRANSIT HALL LEVEL REFLECTED CEILING PLAN 8 EL 274'	2/1/10
A5834	DEY STREET CONCOURSE LEVEL REFLECTED CEILING PART PLAN EL. 284'-6"	10/9/09
A5835	WEST STREET CONCOURSE LEVEL REFLECTED CEILING PLAN 11 EL. 284'	6/10/10
A5836	WEST STREET CONCOURSE LEVEL REFLECTED CEILING PLAN 12 EL. 284'	6/10/10
A5837	WEST STREET CONCOURSE LEVEL REFLECTED CEILING PLAN 13 EL. 284'	4/1/10
A5838	WEST STREET CONCOURSE LEVEL REFLECTED CEILING PLAN 14 EL. 284'	10/9/09
A5839	WEST STREET CONCOURSE REFLECTED CEILING PART PLANS EL. 266' AND EL. 284'	6/10/10
A5840	UPPER TRANSIT HALL REFLECTED CEILING PART PLAN 1 EL. 295'	4/1/10
A5841	UPPER TRANSIT HALL REFLECTED CEILING PLAN 3 EL. 295'	6/10/10
A5842	UPPER TRANSIT HALL REFLECTED CEILING PLAN 4 EL. 295'	7/1/10
A5843	UPPER TRANSIT HALL REFLECTED CEILING PLAN 5 EL. 295'	6/10/10
A5844	UPPER TRANSIT HALL REFLECTED CEILING PLAN 6 EL. 295'	6/10/10
A5845	UPPER TRANSIT HALL REFLECTED CEILING PLAN 7 EL. 295'	2/1/10
A5846	UPPER TRANSIT HALL REFLECTED CEILING PLAN 8 EL. 295'	7/1/10
A5847	PARTIAL UPPER TRANSIT HALL REFLECTED CEILING PLAN 3 AND 5 EL. 306'	4/1/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
A5848	TOWER 3 ABOVE GROUND MEP LEVEL REFLECTED CEILING PLAN 8 EL 306'	10/9/09
A5865	TOWER 1 REFLECTED CEILING PART PLANS EL 242' AND EL. 250'	6/10/10
A5871	TOWER 3 MEP LEVEL REFLECTED CEILING PLAN 7 EL. 237'	10/9/09
A5872	TOWER 4 MEP LEVEL REFLECTED CEILING PLAN 9 EL. 237'	10/9/09
A5873	TOWER 3 GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 326'	10/9/09
A5874	TOWER 2 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 386'	10/9/09
A5875	TOWER 3 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 386'	10/9/09
A5876	TOWER 4 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 386'	10/9/09
A5877	TOWER 2 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 404'	10/9/09
A5878	TOWER 2 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 404'	10/9/09
A5879	TOWER 3 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 404'	10/9/09
A5880	TOWER 4 ABOVE GROUND MEP LEVEL REFLECTED CEILING PART PLAN EL. 404'	10/9/09
A5970	STATION OCC RCP AND DETAILS	10/9/09
A5981	GYPSUM BOARD CEILING- TYPICAL DETAILS	6/10/10
A5983	GYPSUM BOARD CEILING - TYPICAL FIRE RATED SHAFTWALL ENCLOSURE DETAILS	10/9/09
	TRANSIT HALL AND EAST CONCOURSES DETAILS	
A6071	TRANSIT HALL SHEAR WALL ELEVATIONS	10/9/09
A6072	NORTH AND SOUTH CONCOURSES DETAILS	10/9/09
A6120	TRANSIT HALL SHAFT PART PLANS AND DETAILS	10/9/09
A6121	TOWER 3 SHAFT SECTIONS	10/9/09
A6122	TOWER 3 SHAFT DETAIL PLANS	10/9/09
A6123	TOWER 3 SHAFT DETAIL PLAN AND DETAILS	10/9/09
A6125	TOWER 4 SMOKE EXHAUST SHAFT DETAILS	10/9/09
	CENTRAL PLANT DETAILS	
A6152	ENTRANCE TO UTILITY TUNNEL, MANHOLES AND DUCT TRENCH DETAILS	10/9/09
A6155	CENTRAL PLANT NORTH SUPPLY AIR PLENUM SECTIONS	10/9/09
	PLATFORM LEVEL DETAILS	
A6240	SECURITY FENCE DETAIL	10/9/09
A6241	SECURITY FENCE DETAIL	10/9/09
	WEST STREET CONCOURSE DETAILS	
A6405	WEST STREET CONCOURSE DETAILS	11/16/09
A6406	WEST STREET CONCOURSE GSA DETAILS	4/1/10
A6410	WEST STREET CONCOURSE EL. 284' EMBEDDED PLATE DETAILS	10/9/09
	VCE - ENCLOSED EGRESS	
	BOH STAIRS, RAMPS, AND LADDERS - WEST STREET CONCOURSE AND 9A UNDERPASS	
A7623	T1 VENT SHAFT AND MEMORIAL VENT SHAFT, CAGED LADDER PLAN AND SECTIONS	10/9/09
A7624	T1 VENT SHAFT AND MEMORIAL VENT SHAFT CAGED LADDER DETAILS	10/9/09
	TYPICAL DETAILS	
A8801	TYPICAL PARTITION DETAILS	12/23/09
A8802	TYPICAL PARTITION DETAILS	2/1/10
A8803	TYPICAL PARTITION DETAILS	10/9/09
A8804	TYPICAL PARTITION DETAILS	12/23/09
A8811	TYPICAL DOOR DETAILS	10/9/09
A8812	TYPICAL DOOR DETAILS	2/26/10
A8813	BLAST DOOR PLANS AND SECTION	10/9/09
A8814	TYPICAL ACCESS DOOR AND OVERHEAD ROLLING GRILLE DETAILS	7/1/10
A8815	FLOOR HATCH AND PLANK FLOOR LOCATION PART PLANS	7/1/10
A8820	HATCH DETAILS	4/1/10
A8821	SOUTH MEZZANINE HOIST BEAM SECTION	10/9/09
A8822	SOUTH MEZZANINE HOIST BEAM SECTION	10/9/09
A8825	STAIR SCHEDULE	7/1/10
A8901	FIRESTOPPING DETAILS	10/9/09
VOL 9	**GENERAL**	
G4001	TRANSIT HALL PORTAL FRAMES BELOW GRADE GEOMETRY	6/10/10
VOL 9	**STRUCTURAL**	
S0001	STRUCTURAL ABBREVIATIONS, LEGEND, AND DRAWING CONVENTIONS	10/9/09
S0002	STRUCTURAL GENERAL NOTES	6/10/10
S0004	SPECIFICATION NOTES	2/26/10

Drawing	Title	Latest Date
S0102	SUPPLY DUCT LEVEL OVERALL PLAN 2 EL. 220'	10/9/09
S0112	CENTRAL PLANT LEVEL OVERALL PLAN 2 EL. 229'-6"	6/10/10
S0122	CAR PARKING LEVEL OVERALL PLAN 2 EL. 237'	7/1/10
S0124	INVERT LEVEL OVERALL PLAN 4 EL. 242'	10/9/09
S0125	INVERT LEVEL OVERALL PLAN 5 EL. 242'	10/9/09
S0132	BUS PARKING LEVEL OVERALL PLAN 2 EL. 254'	7/1/10
S0134	PLATFORM LEVEL OVERALL PLAN 4 EL. 250"	10/9/09
S0135	PLATFORM LEVEL OVERALL PLAN 5 EL. 266'	10/9/09
S0142	MEZZANINE LEVEL OVERALL PLAN 2 EL. 266'	6/10/10
S0144	MEZZANINE LEVEL OVERALL PLAN 4 EL. 266'	10/9/09
S0145	MEZZANINE LEVEL OVERALL PLAN 5 EL. 266'	10/9/09
S0146	MEZZANINE LEVEL OVERALL PLAN 6 EL. 266'	10/9/09
S0152	TRANSIT HALL LEVEL OVERALL PLAN 2 EL. 274'	7/1/10
S0162	DEY STREET CONCOURSE LEVEL OVERALL PLAN 2 EL. 285'	6/10/10
S0164	UPPER WEST STREET CONCOURSE OVERALL PLAN 4 EL. 284'	10/9/09
S0165	UPPER WEST STREET CONCOURSE OVERALL PLAN 5 EL. 284'	10/9/09
S0166	UPPER WEST STREET CONCOURSE OVERALL PLAN 6 EL. 284'	10/9/09
S0172	UPPER TRANSIT HALL OVERALL PLAN 2 EL. 296'	7/1/10
S0182	PARTIAL UPPER TRANSIT HALL LEVEL OVERALL PLAN 2 EL. 306'	6/10/10
S0185	SUB-GRADE LEVEL OVERALL PLAN 5	10/9/09
S0186	SUB-GRADE LEVEL OVERALL PLAN 6	10/9/09
S0192	GROUND LEVEL OVERALL PLAN 2	7/1/10
S0194	GROUND LEVEL OVERALL PLAN 4	10/9/09
S0292	GROUND LEVEL LIGHTWEIGHT CONCRETE BACKFILL	3/1/10
S0392	GROUND LEVEL TOP OF CONCRETE ELEVATIONS	3/22/10
S0502	SLAB LOADING MAP CENTRAL PLANT LEVEL EL. 220'	10/9/09
S0512	SLAB LOADING MAP CENTRAL PLANT LEVEL EL. 229'-0"	6/10/10
S0522	SLAB LOADING MAP CAR PARKING LEVEL EL. 237'	6/10/10
S0532	SLAB LOADING MAP BUS PARKING LEVEL EL. 254'	6/10/10
S0542	SLAB LOADING MAP MEZZANINE LEVEL EL. 266'	6/10/10
S0552	SLAB LOADING MAP TRANSIT HALL LEVEL EL. 274'	6/10/10
S0562	SLAB LOADING MAP DEY STREET CONCOURSE LEVEL EL. 285'-0"	6/10/10
S0572	SLAB LOADING MAP UPPER TRANSIT HALL LEVEL EL. 296'	6/10/10
S0582	SLAB LOADING MAP PARTIAL UPPER TRANSIT HALL LEVEL EL. 306'-0"	6/10/10
S0592	SLAB LOADING MAP GROUND LEVEL	6/10/10
S0611	SLAB LOADING MAP INVERT/PLATFORM LEVEL EL. 242'/250'	10/9/09
S0621	SLAB LOADING MAP MEZZANINE LEVEL EL. 266'	10/9/09
S0631	SLAB LOADING MAP UPPER PATH HALL LEVEL EL. 284'/298'	6/10/10
S0641	SLAB LOADING MAP SUB-GRADE / GROUND LEVEL EL. 307'/312'	6/10/10
S0651	PATH HALL COLUMN LAYOUT	10/9/09
	DEMOLITION	
S1001	EXISTING H & M WALL ELEVATION AND PLANS DEMOLITION	6/10/10
S1002	EXISTING H & M WALL SECTIONS	10/9/09
S1011	INVERT LEVEL REMOVAL PART PLAN 11 EL. 242'	10/9/09
S1012	INVERT LEVEL REMOVAL PART PLAN 12 EL. 242'	10/9/09
S1013	INVERT LEVEL REMOVAL PART PLAN 13 EL. 242'	10/9/09
S1014	INVERT LEVEL REMOVAL PART PLAN 14 EL. 242'	10/9/09
S1015	INVERT LEVEL REMOVAL PART PLAN 15 EL. 242'	10/9/09
S1020	TEMPORARY STATION PLATFORM LEVEL DEMOLITION PLAN	11/16/09
S1021	TEMPORARY STATION MEZZANINE LEVEL DEMOLITION PLAN	10/9/09
S1022	TEMPORARY STATION ROOF LEVEL REMOVAL PLAN	10/9/09
S1030	EXISTING SECTION PLATFORM B	12/23/09
S1031	EXISTING SECTION PLATFORM C	10/9/09
S1032	TEMPORARY STATION MODIFICATIONS SECTIONS & DETAILS 1	10/9/09
S1033	TEMPORARY STATION MODIFICATIONS SECTIONS & DETAILS 2	10/9/09
S1035	TEMPORARY BRACING REMOVAL PLANS	10/9/09
S1051	REMOVAL SECTIONS AND DETAILS 1	10/9/09
S1052	REMOVAL SECTIONS AND DETAILS 2	10/9/09

Drawing	Title	Latest Date
S1052-1	TEMPORARY SPOT NETWORK SECTIONS AND DETAILS 2	6/10/10
S1052-2	TEMPORARY SPOT NETWORK FOOTING PLAN	12/23/09
S1052-3	TEMPORARY SPOT NETWORK MEZZANINE PLAN	12/23/09
S1053	REMOVAL SECTIONS AND DETAILS 3	10/9/09
S1054	REMOVAL SECTIONS AND DETAILS 4	10/9/09
S1055	GREENWICH STREET SLURRY WALL REMOVAL	6/10/10
S1060	SUGGESTED COLUMN REMOVAL DETAILS	10/9/09
	FRAMING PLANS	
S1102	SUPPLY DUCT LEVEL PART PLAN 6 EL. 220'	7/1/10
S1103	CENTRAL PLANT LEVEL PART PLAN 3 EL. 229'-6"	6/10/10
S1104	CENTRAL PLANT LEVEL PART PLAN 4 EL. 229'-6"	6/10/10
S1105	CENTRAL PLANT LEVEL PART PLAN 5 EL. 229'-6"	3/1/10
S1106	CENTRAL PLANT LEVEL PART PLAN 6 EL. 229'-6"	7/1/10
S1203	CAR PARKING LEVEL PART PLAN 03 EL. 237'	7/1/10
S1204	CAR PARKING LEVEL PART PLAN 04 EL. 237'	7/1/10
S1205	CAR PARKING LEVEL PART PLAN 05 EL. 237'	7/1/10
S1206	CAR PARKING LEVEL PART PLAN 06 EL. 237'	7/1/10
S1211	INVERT LEVEL PART PLAN 11 EL. 242'	12/23/09
S1212	INVERT LEVEL PART PLAN 12 EL. 242'	12/23/09
S1213	INVERT LEVEL PART PLAN 13 EL. 242'	12/23/09
S1214	INVERT LEVEL PART PLAN 14 EL. 242'	10/9/09
S1215	INVERT LEVEL PART PLAN 15 EL. 242'	10/9/09
S1303	BUS PARKING LEVEL PART PLAN 3 EL. 254'	7/1/10
S1304	BUS PARKING LEVEL PART PLAN 4 EL. 254'	7/1/10
S1305	BUS PARKING LEVEL PART PLAN 5 EL. 254'	7/1/10
S1306	BUS PARKING LEVEL PART PLAN 6 EL. 254'	7/1/10
S1311	PLATFORM LEVEL PART PLAN 11 EL. 250'	6/10/10
S1311-1	PLATFORM LEVEL PART PLAN 11 EL. 250' PRECAST ALTERNATIVE	6/10/10
S1312	PLATFORM LEVEL PART PLAN 12 EL. 250'	6/10/10
S1312-1	PLATFORM LEVEL PART PLAN 12 EL. 250' PRECAST ALTERNATIVE	6/10/10
S1313	PLATFORM LEVEL PART PLAN 13 EL. 250'	6/10/10
S1313-1	PLATFORM LEVEL PART PLAN 13 EL. 250' PRECAST ALTERNATIVE	6/10/10
S1314	PLATFORM LEVEL PART PLAN 14 EL. 250'	6/10/10
S1314-1	PLATFORM LEVEL PART PLAN 14 EL. 250' PRECAST ALTERNATIVE	6/10/10
S1315	PLATFORM LEVEL PART PLAN 15 EL. 250'	12/23/09
S1315-1	PLATFORM LEVEL PART PLAN 15 EL. 250' FOUNDATION PLAN AND DETAILS	2/26/10
S1404	MEZZANINE LEVEL PART PLAN 4 EL. 266'	6/10/10
S1406	MEZZANINE LEVEL PART PLAN 6 EL. 266'	6/10/10
S1411	MEZZANINE LEVEL PART PLAN 11 EL. 266'	6/10/10
S1411-1	MEZZANINE LEVEL PART PLAN 11 EL. 266' PRECAST ALTERNATIVE	6/10/10
S1412	MEZZANINE LEVEL PART PLAN 12 EL. 266'	6/10/10
S1412-1	MEZZANINE LEVEL PART PLAN 12 EL. 266' PRECAST ALTERNATIVE	12/23/09
S1413	MEZZANINE LEVEL PART PLAN 13 EL. 266'	6/10/10
S1413-1	MEZZANINE LEVEL PART PLAN 13 EL. 266' PRECAST ALTERNATIVE	6/10/10
S1414	MEZZANINE LEVEL PART PLAN 14 EL. 266'	6/10/10
S1414-1	MEZZANINE LEVEL PART PLAN 14 EL. 266' PRECAST ALTERNATIVE	6/10/10
S1415	MEZZANINE LEVEL PART PLAN 15 EL. 266'	6/10/10
S1421	WEST STREET CONCOURSE/MEZZANINE LEVEL PART PLAN 18/19 EL. 266'	11/16/09
S1422	PARTIAL PLAN MEZZANINE LEVEL SLAB OPENINGS	11/16/09
S1503	TRANSIT HALL LEVEL PART PLAN 3 EL. 274'	7/1/10
S1504	TRANSIT HALL LEVEL PART PLAN 4 EL. 274'	7/1/10
S1505	TRANSIT HALL LEVEL PART PLAN 5 EL. 274'	7/1/10
S1506	TRANSIT HALL LEVEL PART PLAN 6 EL. 274'	7/1/10
S1603	DEY STREET CONCOURSE LEVEL PART PLAN 03 EL. 285'-0"	6/10/10
S1603A	DEY STREET CONCOURSE LEVEL SLAB PART PLAN 3 EL. 285'	6/10/10
S1605	DEY STREET CONCOURSE LEVEL PART PLAN 05 EL. 285'-0"	6/10/10
S1611	UPPER PATH HALL LEVEL PART PLAN 11 EL 284'	6/10/10
S1612	UPPER PATH HALL LEVEL PART PLAN 12 EL 284'	7/1/10

Drawing	Title	Latest Date
S1613	UPPER PATH HALL LEVEL PART PLAN 13 EL 284'	7/1/10
S1614	UPPER PATH HALL LEVEL PART PLAN 14 EL 284'	6/10/10
S1615	UPPER PATH HALL LEVEL PART PLAN 15 EL 284'	7/1/10
S1615-1	UPPER PATH HALL LEVEL PART PLAN 15 EL 284' SOUTH OF WALL 9	2/26/10
S1621	UPPER WEST STREET LEVEL PART PLAN 18 AND 19 EL. 284'	10/9/09
S1703	UPPER TRANSIT HALL LEVEL PLAN 03 EL 296'	7/1/10
S1703A	UPPER TRANSIT HALL LEVEL SLAB PART PLAN 03 EL 296'	7/1/10
S1704	UPPER TRANSIT HALL LEVEL PLAN 04 EL 296'	7/1/10
S1704A	UPPER TRANSIT HALL LEVEL SLAB PART PLAN 04 EL 296'	7/1/10
S1705	UPPER TRANSIT HALL LEVEL PLAN 05 EL 296'	7/1/10
S1705A	UPPER TRANSIT HALL LEVEL SLAB PART PLAN 05 EL 296'	7/1/10
S1706	UPPER TRANSIT HALL LEVEL PLAN 06 EL 296'	7/1/10
S1706A	UPPER TRANSIT HALL LEVEL SLAB PART PLAN 06 EL 296'	7/1/10
S1711	LEVEL 298' PART PLAN 11 & 12	6/10/10
S1713	LEVEL 298' PART PLAN 13	6/10/10
S1714	LEVEL 298' PART PLAN 14	6/10/10
S1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 03 EL. 306'-0"	6/10/10
S1805	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 05 EL. 306'-0"	7/1/10
S1812	SUB-GRADE LEVEL PART PLAN 12 EL 307'	7/1/10
S1812-1	SUB-GRADE LEVEL CONCRETE SLAB PART PLAN 12 EL. 307'	6/10/10
S1812-2	SUB-GRADE LEVEL CONCRETE WALL PART PLAN 12 EL 307'	6/10/10
S1813	SUB-GRADE LEVEL PART PLAN 13 EL 307'	7/1/10
S1813-1	SUB-GRADE LEVEL CONCRETE SLAB PART PLAN 13 EL 307'	6/10/10
S1813-2	SUB-GRADE LEVEL CONCRETE WALL PART PLAN 13 EL 307'	6/10/10
S1814	SUB-GRADE LEVEL PART PLAN 14 EL 307'	7/1/10
S1815	SUB-GRADE LEVEL PART PLAN 15 EL 307'	6/10/10
S1815-1	SUB-GRADE LEVEL PART PLAN 15 EL 307' SOUTH OF WALL 9	7/1/10
S1821	SUB-GRADE LEVEL PART PLAN 18/19 EL 307'	10/9/09
S1903	GROUND LEVEL PART PLAN 03	7/1/10
S1903A	GROUND LEVEL SLAB PART PLAN 03	7/1/10
S1904	GROUND LEVEL PART PLAN 04	7/1/10
S1904A	GROUND LEVEL SLAB PART PLAN 04	7/1/10
S1905	GROUND LEVEL PART PLAN 05	7/1/10
S1905A	GROUND LEVEL SLAB PART PLAN 05	7/1/10
S1906	GROUND LEVEL PART PLAN 06	7/1/10
S1906A	GROUND LEVEL SLAB PART PLAN 06	7/1/10
S1912	GROUND LEVEL PART PLAN 12	4/1/10
S1913	GROUND LEVEL PART PLAN 13	4/1/10
	PATH HALL SECTIONS AND WALL ELEVATIONS	
S3501	PATH HALL LONGITUDINAL SECTION SECTION M-M, WEST	10/9/09
S3520	PATH HALL GREENWICH STREET / D15 WALL PLAN AND ELEVATION 1	6/10/10
S3521	PATH HALL GREENWICH STREET / D15 WALL PLAN AND ELEVATION 2	6/10/10
S3522	PATH HALL GREENWICH STREET WALL ELEVATION SLURRY WALL SECTIONS AND DETAILS	6/10/10
S3523	PATH HALL GREENWICH STREET NORTH END WALL ELEVATION	6/10/10
S3524	PATH HALL GREENWICH STREET NORTH END WALL SECTIONS AND DETAILS	6/10/10
S3525	PATH HALL PLATFORM A EAST WALL ELEVATIONS	10/9/09
S3526	PATH HALL PLATFORM A WEST WALL ELEVATIONS	10/9/09
S3527	PATH HALL PLATFORM A WALL ELEVATIONS NORTH AND SOUTH ENDS	7/1/10
S3528	PATH HALL PLATFORM B EAST WALL ELEVATION	10/9/09
S3529	PATH HALL PLATFORM B WEST WALL ELEVATION	10/9/09
S3530	PATH HALL PLATFORM B WALL ELEVATIONS NORTH AND SOUTH ENDS	10/9/09
S3531	PATH HALL PLATFORM C EAST WALL ELEVATIONS	10/9/09
S3532	PATH HALL PLATFORM C WEST WALL ELEVATIONS	10/9/09
S3533	PATH HALL PLATFORM C WALL ELEVATIONS NORTH AND SOUTH ENDS	7/1/10
S3534	PATH HALL PLATFORM D EAST WALL ELEVATIONS	10/9/09
S3535	PATH HALL PLATFORM B AND D WALL ELEVATIONS NORTH AND SOUTH ENDS	7/1/10
S3540	PATH HALL CONCRETE SECTIONS AND ELEVATIONS ALONG GRIDLINE AP1	7/1/10
S3540-1	PATH HALL SECTIONS AND ELEVATIONS ALONG GRIDLINE AP1	7/1/10

Drawing	Title	Latest Date
S3541	PATH HALL CONCRETE SECTIONS AND ELEVATIONS ALONG GRIDLINE AP2	6/10/10
S3542	PATH HALL SOUTH END PLATFORM PART PLANS EL. 242'	6/10/10
S3543	PATH HALL SOUTH END PLATFORM PART PLANS EL. 250'	6/10/10
S3544	PATH HALL NORTH END PLATFORM PART PLANS EL. 242'	12/23/09
S3545	PATH HALL NORTH END PLATFORM PART PLANS EL. 250'	6/10/10
S3546	PATH HALL CONCRETE SECTIONS AND ELEVATIONS ALONG GRIDLINE BP1	7/1/10
S3550	PATH HALL D15 WALL ELEVATION AND SECTIONS 1	7/1/10
S3551	PATH HALL D15 WALL ELEVATION AND SECTIONS 2	7/1/10
S3552	PATH HALL D15 WALL ELEVATION AND SECTIONS 3	6/10/10
S3553	PATH HALL D15 WALL SECTIONS AND DETAILS 1	7/1/10
S3554	PATH HALL D15 WALL SECTIONS AND DETAILS 2	6/10/10
S3555	PATH HALL D15 WALL SECTIONS AND DETAILS 3	6/10/10
S3556	PATH HALL D15 WALL SECTIONS AND DETAILS 4	6/10/10
S3557	PATH HALL D15 WALL SECTIONS AND DETAILS 5	6/10/10
S3558	PATH HALL D15 WALL SECTIONS AND DETAILS 6-1	7/1/10
S3558-1	PATH HALL D15 WALL SECTIONS AND DETAILS 6	7/1/10
	TRANSIT HALL CONCRETE DETAILS	
S4201	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 1	6/10/10
S4202	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 2	7/1/10
S4203	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 3	6/10/10
S4204	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 4	6/10/10
S4205	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 5	7/1/10
S4206	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 6	10/9/09
S4207	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 7	7/1/10
S4208	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 8	12/23/09
S4209	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 9	6/10/10
S4210	TRANSIT HALL CONCRETE SECTIONS 1	6/10/10
S4211	TRANSIT HALL CONCRETE SECTIONS 2	7/1/10
S4212	TRANSIT HALL CONCRETE SECTIONS 3	7/1/10
S4213	TRANSIT HALL CONCRETE WALL SECTIONS AND DETAILS	6/10/10
S4214	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 1	7/1/10
S4215	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 2	7/1/10
S4216	TRANSIT HALL CONCRETE SECTIONS AND DETAILS 3	6/10/10
S4221	TRANSIT HALL CONCRETE SECTIONS AND DETAILS	10/9/09
S4310	TRANSIT HALL NORTHEAST SUPER COLUMN SECTIONS AND DETAILS 1	6/10/10
S4311	TRANSIT HALL NORTHEAST SUPER COLUMN SECTION AND DETAILS 2	6/10/10
S4312	TRANSIT HALL NORTHEAST SUPER COLUMN SECTION AND DETAILS 3	6/10/10
S4313	TRANSIT HALL SOUTHEAST SUPER COLUMN SECTIONS AND DETAILS 1	6/10/10
S4314	TRANSIT HALL SOUTHEAST SUPER COLUMN SECTION AND DETAILS 2	6/10/10
S4315	TRANSIT HALL SOUTHEAST SUPER COLUMN SECTION AND DETAILS 3	6/10/10
S4320	TRANSIT HALL TOWER INTERFACE SECTIONS AND DETAILS 1	3/22/10
S4321	TRANSIT HALL TOWER INTERFACE SECTIONS AND DETAILS 2	3/22/10
S4322	TRANSIT HALL TOWER INTERFACE SECTIONS AND DETAILS 3	3/1/10
S4323	TRANSIT HALL TOWER INTERFACE SECTIONS AND DETAILS 4	3/1/10
S4401	TRANSIT HALL ELEVATION SHEAR WALL ESW1	10/9/09
S4402	TRANSIT HALL ELEVATIONS SHEAR WALL ESW2 AND ESW2A	3/1/10
S4403	TRANSIT HALL ELEVATION SHEAR WALL ESW3	10/9/09
S4404	TRANSIT HALL ELEVATIONS SHEAR WALLS ESW4, ESW5 AND ESW6	7/1/10
S4405	TRANSIT HALL ELEVATIONS SHEAR WALLS ESW7, ESW8 AND ESW9	7/1/10
S4406	TRANSIT HALL SECTIONS SHEAR WALLS ESW10 AND ESW11	7/1/10
S4410	TRANSIT HALL SHEAR WALLS FOOTING SECTIONS	7/1/10
S4411	TRANSIT HALL SHEAR WALL FOOTING DETAILS	7/1/10
	TRANSIT HALL STEEL DETAILS	
S4511	TRANSIT HALL UPPER TRANSIT HALL LEVEL TYPICAL SOUTH SECTIONS EL. 296'	6/10/10
S4512	TRANSIT HALL UPPER TRANSIT HALL LEVEL TYPICAL NORTH SECTIONS EL. 296'	6/10/10
S4513	TRANSIT HALL UPPER TRANSIT HALL LEVEL TYPICAL SOUTH DETAILS EL. 296'	6/10/10
S4514	TRANSIT HALL UPPER TRANSIT HALL LEVEL TYPICAL NORTH DETAILS EL. 296'	6/10/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
S4515	TRANSIT HALL UPPER TRANSIT HALL EAST ARCH CONNECTION DETAILS	6/10/10
S4581	TRANSIT HALL GROUND LEVEL TYPICAL SECTIONS 1	7/1/10
S4582	TRANSIT HALL GROUND LEVEL TYPICAL SECTIONS 2	6/10/10
S4583	TRANSIT HALL TYPICAL SECTIONS	7/1/10
S4584	TRANSIT HALL TS BEAM DETAILS	6/10/10
S4585	TRANSIT HALL GROUND LEVEL SECTIONS AND DETAILS	7/1/10
S4586	TRANSIT HALL GROUND LEVEL PART PLAN SECTIONS AND DETAILS	6/10/10
S4587	TRANSIT HALL GROUND LEVEL SECTIONS AND DETAILS 3	6/10/10
S4588	TRANSIT HALL NORTH EAST SECTIONS STAIR 1	7/1/10
S4589	TRANSIT HALL NORTH EAST SECTIONS STAIR 2	6/10/10
S4591	TRANSIT HALL GRADE LEVEL MEP DUCT PENETRATION	3/1/10
S4601	TRANSIT HALL WEST END ARCH AXIS WX PLAN & ELEVATION	7/1/10
S4602	TRANSIT HALL WEST END ARCH AXIS WX ELEVATIONS	6/10/10
S4603	TRANSIT HALL WEST END ARCH AXIS WX DETAILS 2	7/1/10
S4603-1	TRANSIT HALL WEST ARCH AXIS WX DETAILS-1	6/10/10
S4604	TRANSIT HALL 295' UPPER CONCOURSE LEVEL, #1 LINE ACCESS SECTIONS & DETAILS	6/10/10
S4610	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN ABUTMENT ZONE WEST	6/10/10
S4612	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST SECTIONS 2	7/1/10
S4621	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST SECTIONS 3	7/1/10
S4622	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS (I)	7/1/10
S4623	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS 2	6/10/10
S4624	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS 3	6/10/10
S4625	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS 4	6/10/10
S4626	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS 5	7/1/10
S4627	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE WEST DETAILS 6	6/10/10
S4635	TRANSIT HALL EAST END ARCH ELEVATION AND PLAN VIEW AXIS EB	6/10/10
S4636	TRANSIT HALL EAST END ARCH AXIS EB DETAILS 1	6/10/10
S4637	TRANSIT HALL EAST END ARCH AXIS EB DETAILS 2	6/10/10
S4638	TRANSIT HALL EAST END ARCH AXIS EB DETAILS 3	6/10/10
S4650	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN ABUTMENT ZONE EAST	6/10/10
S4651	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST SECTIONS 1	6/10/10
S4652	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST SECTIONS 2	6/10/10
S4653	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST SECTIONS 3	6/10/10
S4654	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 1	7/1/10
S4655	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 2	6/10/10
S4656	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 3	7/1/10
S4657	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 4	6/10/10
S4658	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 5	7/1/10
S4659	TRANSIT HALL GRADE LEVEL ABUTMENT ZONE EAST DETAILS 6	6/10/10
S4670	TRANSIT HALL 295' UPPER CONCOURSE CEILING PLAN	6/10/10
S4675	TRANSIT HALL +306'-7 3/4" LEVEL CEILING PLAN	3/1/10
S4701	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3"	6/10/10
S4701-1	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3" PARTIAL DETAIL D2	6/10/10
S4701-2	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 294'-6 1/2" PARTIAL DETAIL D3	6/10/10
S4701-3	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3" BOTTOM OF STEEL REFLECTED CEILING PLAN	7/1/10
S4702	TRANSIT HALL BOXGIRDER ZONE II-2 EAST AT 295'-3"	6/10/10
S4703	TRANSIT HALL BOXGIRDER ZONE II-1 EAST @ 295'-3" SECTIONS AND DETAILS	6/10/10
S4704	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3' SECTIONS AND DETAILS 1	7/1/10
S4705	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3' SECTIONS AND DETAILS 2	6/10/10
S4706	TRANSIT HALL BOXGIRDER ZONE II-1 WEST @ 295'-3" SECTIONS AND DETAILS 3	7/1/10
S4707	TRANSIT HALL UPPER CONCOURSE LEVEL 295' SECTIONS AND DETAILS	6/10/10
S4721	TRANSIT HALL, BOX GIRDER ZONE 1-2 @306'-73/4" EAST	7/1/10
S4722	TRANSIT HALL, BOX GIRDER ZONE 1-2 @306'-73/4" EAST SECTIONS AND DETAILS (I)	6/10/10
S4723	TRANSIT HALL BOX GIRDER ZONE 1-2 @306'-73/4" EAST SECTIONS & DETAILS 2	6/10/10
S4724	TRANSIT HALL R/W ENTRY HANGERS SUPPORTS	3/22/10
S4731	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN BOX GIRDER EAST	7/1/10
S4732	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN INTERMEDIATE LEVEL BOX GIRDER EAST	7/1/10
S4732-1	TRANSIT HALL INTERMEDIATE LEVEL PARTIAL FRAMING PLAN TOP OF E/M BOX BOX GIRDER EAST	6/10/10
S4732-2	TRANSIT HALL GRADE LEVEL REFLECTED CEILING PLAN BOX GIRDER EAST	6/10/10

Drawing	Title	Latest Date
S4733	TRANSIT HALL GRADE LEVEL BOX GIRDER EAST SECTION AXIS W	6/10/10
S4734	TRANSIT HALL GRADE LEVEL BOX GIRDER EAST SECTION THROUGH ESCALATORS	6/10/10
S4735	TRANSIT HALL GRADE LEVEL BOX GIRDER EAST SECTION THROUGH STAIRS	6/10/10
S4736	TRANSIT HALL GRADE LEVEL BOX GIRDER EAST SECTION & DETAILS	6/10/10
S4736-1	TRANSIT HALL GRADE LEVEL BOX GIRDER EAST SECTION & DETAILS 2	6/10/10
S4741	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN BOX GIRDER WEST	7/1/10
S4742	TRANSIT HALL GRADE LEVEL PARTIAL FRAMING PLAN INTERMEDIATE LEVEL BOX GIRDER WEST	7/1/10
S4742-1	TRANSIT HALL INTERMEDIATE LEVEL PARTIAL FRAMING PLAN TOP OF E/M BOX GIRDER WEST	6/10/10
S4742-2	TRANSIT HALL GRADE LEVEL REFLECTED CEILING PLAN BOX GIRDER WEST	6/10/10
S4743	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTION AXIS W	7/1/10
S4744	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTION THROUGH ESCALATOR	6/10/10
S4745	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTION THROUGH STAIRS	6/10/10
S4745-1	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTION THROUGH STAIRS 1	6/10/10
S4746	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTIONS & DETAILS	6/10/10
S4746-1	TRANSIT HALL GRADE LEVEL BOX GIRDER WEST SECTION & DETAILS 2	6/10/10
S4751	TRANSIT HALL NORTH EAST ESCALATORS LONGITUDINAL SECTION (I)	6/10/10
S4752	TRANSIT HALL NORTH EAST ESCALATORS LONGITUDINAL SECTION (II) STAIRS 23 & 24 DETAILS	6/10/10
S4810	TRANSIT HALL ELEVATOR TYPE 1 SOUTH VERTICAL SECTIONS	7/1/10
S4811	STEEL DRAWINGS TRANSIT HALL ELEVATOR TYPE 1 SOUTH SECTIONS AND DETAILS	6/10/10
S4812	TRANSIT HALL ELEVATOR TYPE 1 NORTH SECTIONS AND DETAILS 1	7/1/10
S4813	TRANSIT HALL ELEVATOR TYPE 1 NORTH SECTIONS AND DETAILS 2	7/1/10
S4831	TRANSIT HALL EAST ABUTMENT BASE PLATE	10/9/09
S4832	TRANSIT HALL EAST ABUTMENT BASE PLATE SECTION & DETAILS	10/9/09
S4841	TRANSIT HALL WEST ABUTMENT BASE PLATE	10/9/09
S4842	TRANSIT HALL WEST ABUTMENT BASE PLATE SECTION & DETAILS	10/9/09
S4911	TRANSIT HALL BRACE FRAMES 1 OF 2	10/9/09
S4912	TRANSIT HALL BRACE FRAMES 2 OF 2	10/9/09
S4913	TRANSIT HALL BRACE FRAMES SECTIONS AND DETAILS 1 OF 2	10/9/09
S4914	TRANSIT HALL BRACE FRAMES SECTIONS AND DETAILS 2 OF 2	10/9/09
	1-LINE DETAILS	
S6601	1-LINE CROSS SECTION 1	6/10/10
S6602	1-LINE CROSS SECTION 2	6/10/10
S6602-1	SUPERCOLMN BEARINGS @ 1-LINE & WEST END ARCHES	6/10/10
S6603	1-LINE CROSS SECTION 3	6/10/10
S6604	1-LINE CROSS SECTION 4	6/10/10
S6607	1-LINE EAST ARCH TRUSS LONGITUDINAL SECTION	6/10/10
S6608	1-LINE EAST ARCH TRUSS ELEVATION	6/10/10
S6609	1-LINE EAST ARCH TRUSS SECTIONS AND DETAILS SHEET 1 OF 3	1/15/10
S6610	1-LINE EAST ARCH TRUSS SECTIONS AND DETAILS SHEET 2 OF 3	1/15/10
S6611	1-LINE EAST ARCH TRUSS SECTIONS AND DETAILS SHEET 3 OF 3	6/10/10
S6613	1-LINE WEST ARCH TRUSS LONGITUDINAL SECTION	6/10/10
S6614	1-LINE WEST ARCH TRUSS ELEVATION	12/23/09
S6615	1-LINE WEST ARCH TRUSS SECTIONS AND DETAILS SHEET 1 OF 4	10/9/09
S6616	1-LINE WEST ARCH TRUSS SECTIONS AND DETAILS SHEET 2 OF 4	12/23/09
S6617	1-LINE WEST ARCH TRUSS SECTIONS AND DETAILS SHEET 3 OF 3	6/10/10
S6618	1-LINE WEST ARCH TRUSS SECTIONS AND DETAILS SHEET 4 OF 4	10/9/09
S6620	1-LINE INVERT AND ROOF FRAMING SCHEDULE AND DETAILS 1	6/10/10
S6621	1-LINE INVERT AND ROOF FRAMING SCHEDULE AND DETAILS 2	6/10/10
S6630	1-LINE STRUCTURAL STEEL SECTIONS AND DETAILS 1	6/10/10
S6631	1-LINE STRUCTURAL STEEL SECTIONS AND DETAILS 2	6/10/10
S6632	1-LINE STRUCTURAL STEEL SECTIONS AND DETAILS 3	6/10/10
S6633	1-LINE STRUCTURAL STEEL SECTIONS AND DETAILS 4	6/10/10
S6634	1-LINE STRUCTURAL STEEL SECTIONS AND DETAILS 5	6/10/10
S6640	1-LINE STRUCTURAL STEEL CONNECTION DETAILS 1	11/16/09
S6640-1	1-LINE MISCELLANEOUS STEEL CONNECTION DETAILS 1	6/10/10
S6641	1-LINE STRUCTURAL STEEL CONNECTION DETAILS 2	10/9/09
S6642	1-LINE STRUCTURAL STEEL CONNECTION DETAILS 3	6/10/10
S6643	1-LINE STRUCTURAL STEEL CONNECTION DETAILS 4	10/9/09

Drawing	Title	Latest Date
S6644	1-LINE STRUCTURAL STEEL CONNECTION DETAILS 5	6/10/10
S6651	1-LINE RIBS - AXIS D1 / D2 AND CONNECTION DETAILS	1/15/10
S6652	1-LINE RIBS - AXIS D3 / D4 AND CONNECTION DETAILS	11/16/09
S6653	1-LINE RIBS - AXIS D5 / D6 AND CONNECTION DETAILS	11/16/09
S6654	1-LINE RIBS - AXIS D7 / D8 AND CONNECTION DETAILS	11/16/09
S6655	1-LINE RIBS - AXIS D9 / D10 AND CONNECTION DETAILS	11/16/09
S6656	1-LINE RIBS - AXIS D11 / D12 AND CONNECTION DETAILS	12/23/09
S6665	1-LINE LONGITUDINAL SECTION ALONG CENTERLINE 1	4/1/10
S6666	1-LINE LONGITUDINAL SECTION ALONG CENTERLINE 2	4/1/10
S6667	1-LINE LONGITUDINAL SECTION ALONG CENTERLINE 3	4/1/10
S6670	1-LINE INVERT PLAN ELASTOMERIC BEARING PADS AND JACKING LOCATIONS	6/10/10
S6671	1-LINE INVERT PLAN JACKING SCHEDULE AND DETAILS	6/10/10
S6672	1-LINE ELASTOMERIC BEARING PAD SCHEDULE AND DETAILS	6/10/10
S6676	1 LINE TYPICAL INVERT SLAB CONSTRUCTION	6/10/10
S6680	1-LINE PART PLANS INVERT DEMOLITION AND REINFORCING	10/9/09
S6681	1-LINE INVERT REINFORCING STAGE 1 CONSTRUCTION SEQUENCE	10/9/09
S6682	1-LINE INVERT FRAMING REINFORCING STAGE 2 CONSTRUCTION SEQUENCE	10/9/09
S6683	1-LINE INVERT FRAMING REINFORCING STAGE 3 CONSTRUCTION SEQUENCE	10/9/09
S6684	1-LINE CROSS PASSAGE FRAMING PLAN AND CONSTRUCTION SEQUENCE	10/9/09
S6690	SUGGESTED 1-LINE TYPICAL CONSTRUCTION SEQUENCE I	12/23/09
S6692	NYCTA #1 LINE WEST ARCH SUGGESTED CONSTRUCTION SEQUENCE I	10/9/09
S6693	NYCTA #1 LINE WEST ARCH SUGGESTED CONSTRUCTION SEQUENCE II	10/9/09
S6694	NYCTA #1 LINE EAST ARCH SUGGESTED CONSTRUCTION SEQUENCE I	10/9/09
S6695	NYCTA #1 LINE EAST ARCH SUGGESTED CONSTRUCTION SEQUENCE II	10/9/09
	PATH HALL DETAILS	
S7101	PATH HALL PRECAMBERS TO STEEL WORK 1	6/10/10
S7102	PATH HALL PRECAMBERS TO STEEL WORK 2	10/9/09
S7112	PATH HALL REACTIONS AT MAIN BEARING POINTS	11/16/09
S7499	PATH HALL FOOTING SCHEDULE AND DETAILS	12/23/09
S7500	PATH HALL CONCRETE SECTIONS AND DETAILS FOUNDATIONS 1	10/9/09
S7501	PATH HALL CONCRETE SECTIONS AND DETAILS FOUNDATIONS 2	6/10/10
S7502	PATH HALL CONCRETE SECTIONS AND DETAILS FOUNDATIONS 3	12/23/09
S7503	PATH HALL CONCRETE SECTIONS AND DETAILS FOUNDATIONS 4	10/9/09
S7504	PATH HALL FOOTING SCHEDULE AND DETAILS	10/9/09
S7505	PATH HALL CONCRETE SECTIONS AND DETAILS UTILITY TUNNEL DETAIL 1	7/1/10
S7506	PATH HALL CONCRETE SECTIONS AND DETAILS UTILITY TUNNEL DETAIL 2	6/10/10
S7506-1	PATH HALL UTILITY TUNNEL PIP SUPPORT	7/1/10
S7507	PATH HALL CONCRETE SECTIONS AND DETAILS UTILITY TUNNEL DETAIL 3	10/9/09
S7508	PATH HALL CONCRETE SECTIONS AND DETAILS UTILITY TUNNEL DETAIL 4	12/23/09
S7513	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS ENCASEMENT DETAILS	6/10/10
S7514	PATH HALL SUBSTATION COLUMN ENCASEMENT SCHEDULE & DETAILS	6/10/10
S7515	PATH HALL CONCRETE SECTIONS AND DETAILS PLATFORM LEVEL 1	12/23/09
S7516	PATH HALL CONCRETE SECTIONS AND DETAILS PLATFORM LEVEL 2	10/9/09
S7517	PATH HALL CONCRETE SECTIONS AND DETAILS PLATFORM LEVEL 3	11/16/09
S7518	PATH HALL CONCRETE SECTIONS AND DETAILS PLATFORM LEVEL 4	10/9/09
S7519	PATH HALL CONCRETE SECTIONS AND DETAILS PLATFORM LEVEL 5	6/10/10
S7520	PATH HALL CONCRETE SECTIONS & DETAILS - PLATFORM LEVEL 6	11/16/09
S7521	PLATFORM AND MEZZANINE DETAILS PRECAST ALTERNATIVE	11/16/09
S7523	PATH HALL CONCRETE SECTIONS & DETAILS NORTH EAST CORNER	10/9/09
S7524	PATH HALL CONCRETE SECTIONS AND DETAILS WATER TANK	12/23/09
VOL 10	STRUCTURAL	
	PATH HALL DETAILS (CONTINUED)	
S7525	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 1	6/10/10
S7526	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 2	10/9/09
S7527	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 3	11/16/09

Drawing	Title	Latest Date
S7528	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 4	10/9/09
S7529	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 5	11/16/09
S7530	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 6	6/10/10
S7531	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 7	10/9/09
S7532	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 8	7/1/10
S7533	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 9	6/10/10
S7534	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 10	6/10/10
S7534-1	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 10-1	11/16/09
S7535	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 11	10/9/09
S7536	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 12	6/10/10
S7537	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 13	6/10/10
S7538	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 14	10/9/09
S7539	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 15	11/16/09
S7540	PATH HALL CONCRETE SECTIONS AND DETAILS MEZZANINE LEVEL 16	11/16/09
S7541	PATH HALL CONCRETE SECTIONS MEZZANINE LEVEL 17	7/1/10
S7542	PATH HALL CONCRETE SECTIONS MEZZANINE LEVEL 18	6/10/10
S7543	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER WEST STREET CONCOURSE LEVEL 1	10/9/09
S7544	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER WEST STREET CONCOURSE LEVEL 2	11/16/09
S7545	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER WEST STREET CONCOURSE LEVEL 3	6/10/10
S7546	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 1	7/1/10
S7547	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 2	6/10/10
S7548	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 3	10/9/09
S7549	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 4	10/9/09
S7550	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 5	7/1/10
S7551	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH 6	6/10/10
S7552	PATH HALL CONCRETE SECTIONS AND DETAILS 5	10/9/09
S7553	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL NORTH 1	4/1/10
S7554	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL NORTH 2	7/1/10
S7555	PATH HALL CONCRETE SECTIONS AND DETAILS	11/16/09
S7555-1	PATH HALL CONCRETE SECTIONS AND DETAILS	6/10/10
S7556	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL WEST	10/9/09
S7557	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 1	10/9/09
S7558	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 2	7/1/10
S7559	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 3	10/9/09
S7560	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 4	2/1/10
S7561	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 5	10/9/09
S7562	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 1	4/1/10
S7563	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 2	4/1/10
S7564	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 3	4/1/10
S7565	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 4	4/1/10
S7566	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 5	4/1/10
S7567	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE/GRADE LEVEL CENTER 6	4/1/10
S7570	PATH HALL CONCRETE SECTIONS AND DETAILS SUBGRADE LEVEL SOUTH 6	6/10/10
S7571	PATH HALL CONCRETE SECTIONS AND DETAILS STAIR U 1	10/9/09
S7572	PATH HALL CONCRETE SECTIONS AND DETAILS STAIR U 2	10/9/09
S7573	PATH HALL CONCRETE SECTIONS AND DETAILS STAIR U 3	10/9/09
S7574	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH 4	10/9/09
S7575	PATH HALL CONCRETE SECTIONS AND DETAILS STAIR U 4	11/16/09
S7576	PATH HALL CONCRETE SECTIONS AND DETAILS AT DUCT WORK 1	6/10/10
S7577	PATH HALL CONCRETE SECTIONS AND DETAILS AT DUCT WORK 2	7/1/10
S7580	PATH HALL CONCRETE SECTIONS AND DETAILS UPPER PATH HALL LEVEL SOUTH OF WALL 9	2/26/10
S7581	PATH HALL CONCRETE SECTIONS AND DETAILS SUB-GRADE LEVEL SOUTH OF WALL 9	2/26/10
S7597	PATH HALL STEEL COLUMN AND BASE PLATE SCHEDULE	6/10/10
S7599	PATH HALL BASE PLATE SECTIONS AND DETAILS	11/16/09
S7600	PATH HALL SECTIONS & DETAILS PLATFORM COLUMNS TYPE A 1	6/10/10
S7601	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE A 2	10/9/09
S7602	PATH HALL SECTIONS & DETAILS PLATFORM COLUMNS TYPE A 3	10/9/09
S7603	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMN TYPE B 1	11/16/09
S7604	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE B 2	10/9/09

Drawing	Title	Latest Date
S7605	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE B 3	11/16/09
S7606	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE B 4	10/9/09
S7607	PATH HALL SECTIONS & DETAILS PLATFORM COLUMNS TYPE C 1	10/9/09
S7608	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE C 2	11/16/09
S7609	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE C 3	11/16/09
S7610	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE C 4	10/9/09
S7611	PATH HALL SECTIONS & DETAILS PLATFORM COLUMNS TYPE D 1	10/9/09
S7612	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE D2 AND D3	6/10/10
S7613	PATH HALL SECTIONS AND DETAILS PLATFORM COLUMNS TYPE D 3	6/10/10
S7615	PATH HALL MEZZANINE LEVEL STEEL LONGITUDINAL BEAMS OVERVIEW	6/10/10
S7618	PATH HALL PLAN & ELEVATIONS BEAMS AT PLATFORM "A"	10/9/09
S7619	PATH HALL PLAN & ELEVATIONS BEAMS AT PLATFORM "B"	11/16/09
S7620	PATH HALL PLAN & ELEVATIONS BEAMS AT PLATFORM "C"	11/16/09
S7621	PATH HALL PLAN & ELEVATIONS BEAMS AT PLATFORM "D"	10/9/09
S7622	PATH HALL STEEL SECTIONS AND DETAILS MEZZANINE LEVEL BEAMS I	11/16/09
S7623	PATH HALL STEEL SECTIONS AND DETAILS MEZZANINE LEVEL BEAMS (II)	10/9/09
S7624	PATH HALL STEEL SECTIONS AND DETAILS MEZZANINE LEVEL BEAMS 3	12/23/09
S7624-1	PATH HALL STEEL SECTIONS AND DETAILS MEZZANINE LEVEL BEAMS 3	12/23/09
S7625	PATH HALL STEEL SECTIONS AND DETAILS MEZZANINE LEVEL DIAGONAL BRACING & SPLICES	11/16/09
S7633	PATH HALL SECTIONS AND DETAILS MEZZANINE LEVEL SECONDARY STEEL FRAMING	6/10/10
S7634	PATH HALL SECTIONS AND DETAILS MEZZANINE LEVEL STAIRS	6/10/10
S7635	PLATFORM TO MEZZANINE STAIRWAY DETAILS I	6/10/10
S7636	PLATFORM TO MEZZANINE STAIRWAY DETAILS II	6/10/10
7636-1	PLATFORM TO MEZZANINE STAIRWAY DETAILS III	6/10/10
S7637	STAIRS 19, 21, 22, 43, 44, 45 DETAILS	6/10/10
S7638	MEZZANINE FRAMING DETAILS	6/10/10
S7650	UPPER WEST STREET LEVEL PART PLAN 14 EL. 274' / 276'	7/1/10
S7651	UPPER WEST STREET LEVEL PART PLAN 14 EL. 274' / 276' SECTIONS AND DETAILS	6/10/10
S7654	PATH HALL GRADE LEVEL COLUMNS RELOCATION FRAMING PLAN AT EL. 262'-9"	10/9/09
S7655	PATH HALL GRADE LEVEL COLUMNS RELOCATION DETAILS 1	11/16/09
S7656	PATH HALL GRADE LEVEL COLUMNS RELOCATION DETAILS 2	11/16/09
S7657	PATH HALL RELOCATION OF COLUMN J5/20	7/1/10
S7658	UPPER PATH HALL LEVEL CONCRETE DUCT PART PLAN SECTIONS & DETAILS 1 OF 3	7/1/10
S7658-1	UPPER PATH HALL CONCRETE DUCT PART PLAN SECTIONS & DETAILS 2 OF 3	7/1/10
S7658-2	UPPER PATH HALL CONCRETE DUCT PART PLAN SECTIONS & DETAILS 3 OF 3	7/1/10
S7658-3	UPPER PATH HALL CONCRETE DUCT PART PLAN SECTIONS & DETAILS 4 OF 4	7/1/10
S7660	PATH HALL SUPER COLUMN PLAN LAYOUT AT TRUSS BEARING ELEVATION	10/9/09
S7662	SUPER COLUMN AXIS D13 SECTIONS AND DETAILS 3	6/10/10
S7663	PATH HALL NORTH - WEST SUPER COLUMN DETAILS 1	12/23/09
S7664	PATH HALL NORTH - WEST SUPER COLUMN DETAILS 2	11/16/09
S7670	PATH HALL STEEL SECTIONS AND DETAILS MISCELLANEOUS	6/10/10
S7680	STEEL DRAWINGS PATH HALL NORTH SECTIONS AND DETAILS 1	6/10/10
S7681	STEEL DRAWINGS PATH HALL NORTH SECTIONS AND DETAILS 2	6/10/10
S7682	STEEL DRAWINGS PATH HALL NORTH SECTIONS AND DETAILS 3	7/1/10
S7683	STEEL DRAWINGS PATH HALL NORTH SECTIONS AND DETAILS 4	6/10/10
S7690	PATH HALL STEEL SECTIONS AND DETAIL EL.278'-6" LEVEL - I SOUTH OF WALL 9	2/26/10
S7691	PATH HALL STEEL SECTIONS AND DETAILS II EL.278'-6" LEVEL SOUTH OF WALL 9	2/26/10
S7692	PATH HALL STEEL SECTIONS AND DETAIL SUB - GRADE LEVEL SOUTH OF WALL 9 STEEL AT ROOF LEVEL	2/26/10
S7693	PATH HALL STEEL SECTIONS AND DETAIL 2 SUB-GRADE LEVEL SOUTH OF WALL 9	2/26/10
S7694	PATH MEMORIAL STEAMLINE SUPPORT PLAN AND ELEVATIONS	7/1/10
S7695	PATH HALL MEMORIAL STEAM LINE SUPPORT SECTIONS AND DETAILS	7/1/10
	PATH HALL DETAILS	
S7700	PATH HALL EAST BOX GIRDER OVERVIEW	10/9/09
S7701	PATH HALL EAST BOX GIRDER GENERAL SECTIONS	12/23/09
S7702	PATH HALL EAST BOX GIRDER GENERAL STEELWORK LAYOUT 1	11/16/09
S7703	PATH HALL EAST BOX GIRDER GENERAL STEELWORK LAYOUT 2	10/9/09
S7704	PATH HALL EAST BOX GIRDER GENERAL PLAN AND SECTIONS ZONE A	11/16/09
S7705	PATH HALL EAST BOX GIRDER GENERAL PLAN AND SECTIONS ZONE B 1	6/10/10

Drawing	Title	Latest Date
S7706	PATH HALL EAST BOX GIRDER GENERAL PLAN AND SECTIONS ZONE B 2	6/10/10
S7707	PATH HALL EAST BOX GIRDER GENERAL PLAN AND SECTIONS ZONE C	11/16/09
S7708	PATH HALL EAST BOX GIRDER ZONE A: DETAILS	12/23/09
S7709	PATH HALL EAST BOX GIRDER ZONE B: DETAILS	6/10/10
S7710	PATH HALL EAST BOX GIRDER ZONE C: DETAILS	12/23/09
S7711	PATH HALL EAST BOX GIRDER GENERAL PLAN AND SECTIONS; SUPPORTS	12/23/09
S7712	PATH HALL EAST BOX GIRDER SUPPORTS: NORTH EAST SECTIONS & DETAILS	12/23/09
S7713	PATH HALL EAST BOX GIRDER GRID D19 NORTH	7/1/10
S7714	PATH HALL EAST BOX GIRDER SUPPORTS; SOUTH EAST SECTIONS AND DETAILS	11/16/09
S7715	PATH HALL EAST BOX GIRDER GRID D19 SOUTH	7/1/10
S7716	PATH HALL EAST BOX GIRDER SUPPORTS: DETAILS-1	11/16/09
S7716-1	PATH HALL EAST BOX GIRDER SUPPORT DETAILS - II	6/10/10
S7716-2	PATH HALL EAST BOX GIRDER SUPPORT DETAILS - III	6/10/10
S7717	PATH HALL EAST BOX GIRDER BOX GIRDER/VIERENDEEL INTERFACE NORTH	11/16/09
S7718	PATH HALL EAST BOX GIRDER BOX GIRDER/VIERENDEEL INTERFACE SOUTH	10/9/09
S7719	PATH HALL EAST BOX GIRDER MECHANICAL DUCT SUPPORT 1 OF 5	11/16/09
S7719-1	PATH HALL EAST BOX GIRDER MECHANICAL DUCT SUPPORT 2 OF 5	11/16/09
S7719-2	PATH HALL EAST BOX GIRDER MECHANICAL DUCT SUPPORT 3 OF 5	11/16/09
S7719-3	PATH HALL EAST BOX GIRDER MECHANICAL DUCT SUPPORT 4 OF 5	11/16/09
S7719-4	PATH HALL EAST BOX GIRDER MECHANICAL DUCT SUPPORT 5 OF 5	10/9/09
S7720	PATH HALL PLATE GIRDER AND MAIN COLUMNS OVERVIEW	10/9/09
S7721	PATH HALL PLATE GIRDER AT BS-1 PLAN VIEW AND GENERAL SECTIONS	11/16/09
S7722	PATH HALL PLATE GIRDER AT BS-1 ELEVATION	10/9/09
S7723	PATH HALL PLATE GIRDER COLUMNS AT BS-1	11/16/09
S7724	PATH HALL PLATE GIRDER AT BS-1 NORTH-WEST BEARINGS DETAILS-1	10/9/09
S7724-1	PATH HALL PLATE GIRDER AT BS-1 NORTH-WEST GIRDER DETAILS-2	11/16/09
S7725-1	PATH HALL PLATE GIRDER AT BS-1 NORTH-WEST SUPPORT DETAILS	11/16/09
S7725-2	PATH HALL PLATE GIRDER AT BS-1 NORTH-WEST SUPPORT DETAILS	10/9/09
S7725-3	PATH HALL PLATE GIRDER AT BS-1 NORTH-WEST SUPPORT DETAILS	10/9/09
S7726	PATH HALL PLATE GIRDER BASE PLATE DETAILS	10/9/09
S7727	PATH HALL PLATE GIRDER AT AS-1-PLAN VIEW AND GENERAL SECTIONS	11/16/09
S7728	PATH HALL PLATE GIRDER AT AS-1 ELEVATION	11/16/09
S7729	PATH HALL PLATE GIRDER COLUMNS AT AS-1	11/16/09
S7730-1	PATH HALL PLATE GIRDER AT AS-1 SOUTH-WEST SUPPORT-1	10/9/09
S7730-2	PATH HALL PLATE GIRDER AT AS-1 SOUTH-WEST SUPPORT-2	10/9/09
S7730-3	PATH HALL PLATE GIRDER AT AS-1 SOUTH-WEST SUPPORT-3	10/9/09
S7732	PATH HALL MAIN COLUMNS AT AS-1 & BS-1 PROVISIONAL AT SPHERICAL HINGES	10/9/09
S7735	PATH HALL PLATE GIRDER AT AS-1 & BS-1 SECTIONS AND DETAILS SHEET 1 OF 2	11/16/09
S7736	PATH HALL STEEL DRAWINGS PLATE GIRDER AT AS-1 & BS-1 SECTIONS AND DETAILS 2 SHEET 2 OF 2	11/16/09
S7737	PATH HALL PLATE GIRDERS COLUMNS SECTIONS AND DETAILS 1	6/10/10
S7738	PATH HALL PLATE GIRDERS TYPICAL RIB CONNECTION EXCEPT AT AXIS D24 & D26	7/1/10
S7738-1	PATH HALL PLATE GIRDERS RIB CONNECTION AT NORTH RIBS D43 & D44	6/10/10
S7738-2	PATH HALL PLATE GIRDERS RIB CONNECTION AT SOUTH RIBS D40 & D41	11/16/09
S7738-3	PATH HALL PLATE GIRDERS RIB CONNECTION AT SOUTH RIBS D42, D43 & D44	6/10/10
S7738-4	PATH HALL PLATE GIRDERS RIB CONNECTION AT RIBS D13, D14, D15 & D16	6/10/10
S7738-5	PATH HALL PLATE GIRDERS RIB CONNECTION AT RIBS D17, D18 & D19	6/10/10
S7738-6	PATH HALL PLATE GIRDERS TYPICAL RIB CONNECTION AT AXIS D24 & D26	6/10/10
S7739-1	PATH HALL VIERENDEEL M PLAN AND LONGITUDINAL SECTION	11/16/09
S7739-2	PATH HALL VIERENDEEL M SECTION & DETAILS	6/10/10
S7739-3	PATH HALL VIERENDEEL M EAST BOX GIRDER INTERFACE	6/10/10
S7739-4	PATH HALL VIERENDEEL M WEST SUPPORT	6/10/10
S7739-5	PATH HALL VIERENDEEL M LONGITUDINAL SECTION	11/16/09
S7740	PATH HALL AND WEST STREET NORTH CONCOURSE OVERVIEW	10/9/09
S7741	PATH HALL NORTH LONGITUDINAL SECTION AT AXIS BS1	10/9/09
S7742	STEEL DRAWINGS PATH HALL NORTH ARCH TYPE A AXIS D45 SECTION	6/10/10
S7743	PATH HALL NORTH STEEL DRAWINGS ARCH TYPE A1 AXIS D47& D49 SECTION	6/10/10
S7744	PATH HALL NORTH AXIS D46 & D48 ARCH TYPE B SECTION	11/16/09
S7745	PATH HALL NORTH STEEL DRAWINGS AXES D27,D33, D37 AND D41 ARCH TYPE C	11/16/09
S7745-1	PATH HALL NORTH STEEL DRAWINGS AXES D23 ARCH TYPE C	11/16/09

Drawing	Title	Latest Date
S7746	PATH HALL NORTH STEEL DRAWINGS AXES D29, D31,D39 & D43 ARCH TYPE C1	11/16/09
S7746-1	PATH HALL NORTH STEEL DRAWINGS AXES D21 ARCH TYPE C1	6/10/10
S7747	PATH HALL NORTH STEEL DRAWINGS AXIS D25 & D35 ARCH TYPE C2	6/10/10
S7748	PATH HALL NORTH STEEL DRAWINGS AXIS D20 ARCH TYPE D	6/10/10
S7748-1	PATH HALL NORTH STEEL DRAWINGS AXIS D22 ARCH TYPE D	11/16/09
S7748-2	PATH HALL NORTH STEEL DRAWINGS AXIS D24 & D26 ARCH TYPE D	11/16/09
S7748-3	PATH HALL NORTH STEEL DRAWINGS AXIS D28-D44 (EVEN ONLY) ARCH TYPE D	11/16/09
S7749	PATH HALL NORTH ARCH TYPE E AXIS D13 SECTION	6/10/10
S7750	PATH HALL NORTH ARCH TYPE F AXIS D14 SECTION	6/10/10
S7751	PATH HALL NORTH ARCH TYPE G AXIS D15 SECTION	6/10/10
S7752	PATH HALL NORTH ARCH TYPE H AXIS D16 SECTION	6/10/10
S7753	PATH HALL NORTH ARCH TYPE I AXIS D17 SECTION	6/10/10
S7754	PATH HALL NORTH ARCH TYPE J AXIS D18 SECTION	6/10/10
S7755	PATH HALL NORTH ARCH TYPE K AXIS D19 SECTION	11/16/09
S7756	PATH HALL WEST STREET CONCOURSE ARCH TYPE A6 AXIS D97 SECTION	11/16/09
S7757	PATH HALL WEST STREET CONCOURSE ARCH TYPE A7 AXIS D99 SECTION	11/16/09
S7758	PATH HALL WEST STREET CONCOURSE ARCH TYPE B3 & B4 AXES D98 & D100 SECTION	10/9/09
S7760	PATH HALL NORTH ARCH SECTIONS AND DETAILS 1	6/10/10
S7761	PATH HALL NORTH ARCH SECTIONS AND DETAILS 2	6/10/10
S7762	PATH HALL NORTH ARCH SECTIONS AND DETAILS 3	10/9/09
S7763	PATH HALL NORTH ARCH SECTIONS AND DETAILS 4	11/16/09
S7764	PATH HALL NORTH ARCH SECTIONS AND DETAILS 5	7/1/10
S7765	PATH HALL NORTH ARCH SECTIONS AND DETAILS 6	6/10/10
S7765-1	PATH HALL NORTH ARCH SECTIONS AND DETAILS 6	6/10/10
S7765-2	PATH HALL NORTH ARCH SECTIONS AND DETAILS 7	11/16/09
S7766	PATH HALL WEST STREET CONCOURSE SECTIONS AND DETAILS 1	10/9/09
S7767	PATH HALL WEST STREET CONCOURSE SECTIONS AND DETAILS 2	10/9/09
S7768	PATH HALL WEST STREET CONCOURSE SECTIONS AND DETAILS 3	10/9/09
S7769-1	PATH HALL WEST STREET CONCOURSE BRIDGE PLAN, SECTIONS AND DETAILS	10/9/09
S7769-2	STEEL DRAWINGS EAST/WEST CORRIDOR BRIDGE AT AXES D97-D99 DETAILS ELEMENT 6	10/9/09
S7769-3	PATH HALL WEST STREET CONCOURSE BRIDGE SECTIONS AND DETAILS	10/9/09
S7770	PATH HALL MISCELLANEOUS STEEL SECTIONS AND DETAILS	11/16/09
S7771	PATH HALL CENTER RIBS OVERVIEW	10/9/09
S7773	PATH HALL CENTER RIB AXIS D13	6/10/10
S7774	PATH HALL CENTER RIB AXIS D14	6/10/10
S7775	PATH HALL CENTER RIB AXIS D15	6/10/10
S7776	PATH HALL CENTER RIB AXIS D16	6/10/10
S7777	PATH HALL CENTER RIB AXIS D17	10/9/09
S7778	PATH HALL CENTER RIB AXIS D18	10/9/09
S7779	PATH HALL CENTER RIB AXIS D19	11/16/09
S7780	PATH HALL CENTER RIB AXIS D20	10/9/09
S7781	PATH HALL CENTER RIB AXIS D21	10/9/09
S7782	PATH HALL CENTER RIB AXIS D22	10/9/09
S7783	PATH HALL CENTER RIB AXIS D23	10/9/09
S7784	PATH HALL CENTER RIB AXIS D24	10/9/09
S7785	PATH HALL CENTER RIB AXIS D25	11/16/09
S7786	PATH HALL CENTER RIB AXIS D26	10/9/09
S7787	PATH HALL CENTER RIB AXIS D27	10/9/09
S7788	PATH HALL CENTER RIB AXIS D28	10/9/09
S7789	PATH HALL CENTER RIB AXIS D29	10/9/09
S7790	PATH HALL CENTER RIB AXIS D30	10/9/09
S7791	PATH HALL CENTER RIB AXIS D31	10/9/09
S7792	PATH HALL CENTER RIB AXIS D32	10/9/09
S7793	PATH HALL CENTER RIB AXIS D33	10/9/09
S7794	PATH HALL CENTER RIB AXIS D34	6/10/10
S7795	PATH HALL CENTER RIB AXIS D35	10/9/09
S7796	PATH HALL CENTER RIB AXIS D36	10/9/09
S7797	PATH HALL CENTER RIB AXIS D37	10/9/09
S7798	PATH HALL CENTER RIB AXIS D38	10/9/09

Drawing	Title	Latest Date
S7799	PATH HALL CENTER RIB AXIS D39	10/9/09
S7800	PATH HALL CENTER RIB AXIS D40	10/9/09
S7801	PATH HALL CENTER RIB AXIS D41	6/10/10
S7802	PATH HALL CENTER RIB AXIS D42 1	6/10/10
S7803	PATH HALL CENTER RIB AXIS D42 2	10/9/09
S7804	PATH HALL CENTER RIB AXIS D43 1	6/10/10
S7805	PATH HALL CENTER RIB AXIS D43 2	10/9/09
S7806	PATH HALL CENTER RIB AXIS D44 1	6/10/10
S7807	PATH HALL CENTER RIB AXIS D44 2	6/10/10
S7811	PATH HALL CENTER RIBS DETAILS 1	7/1/10
S7812	PATH HALL CENTER RIBS DETAILS 2	6/10/10
S7813	PATH HALL CENTER RIBS DETAILS 3	6/10/10
S7814	PATH HALL CENTER RIB D42	6/10/10
S7814-1	PATH HALL CENTER RIBS D43	6/10/10
S7814-2	PATH HALL CENTER RIBS D44	6/10/10
S7815	PATH HALL D42, D43, & D44 RIB CONNECTIONS AT MEMORIAL POOL	6/10/10
S7830	PATH HALL SOUTH OVERVIEW	10/9/09
S7831	PATH HALL SOUTH LONGITUDINAL SECTION AT AXIS AS1	6/10/10
S7832	PATH HALL SOUTH ARCH TYPE E AXIS D25 AND D35	11/16/09
S7833	PATH HALL SOUTH ARCH TYPE E1 AXIS D29 AND D31	11/16/09
S7833-1	PATH HALL SOUTH ARCH TYPE E1 AXIS D21	11/16/09
S7834	PATH HALL SOUTH ARCH TYPE E2 AXIS D27 AND D33	6/10/10
S7834-1	PATH HALL SOUTH ARCH TYPE E2 AXIS D23	6/10/10
S7835	PATH HALL SOUTH ARCH TYPE E3 AXIS D37	6/10/10
S7836	PATH HALL SOUTH ARCH TYPE E4 AXIS D41	11/16/09
S7837	PATH HALL SOUTH ARCH TYPE E5 AXIS D43	11/16/09
S7838	PATH HALL SOUTH ARCH TYPE E6 AXIS D39	11/16/09
S7839	PATH HALL SOUTH ARCH TYPE F AXIS D26 TO D34 (EVEN ONLY)	11/16/09
S7839-1	PATH HALL SOUTH ARCH TYPE F AXIS D20	6/10/10
S7839-2	PATH HALL SOUTH ARCH TYPE F AXIS D22	6/10/10
S7839-3	PATH HALL SOUTH ARCH TYPE F AXIS D24	11/16/09
S7840	PATH HALL SOUTH ARCH TYPE F1 AXIS D36 TO D38 (EVEN ONLY)	11/16/09
S7840-1	PATH HALL SOUTH ARCH TYPE F1 AXIS D40	11/16/09
S7841	PATH HALL SOUTH ARCH TYPE F2 AXIS D42	10/9/09
S7842	PATH HALL SOUTH ARCH TYPE F3 AXIS D44	10/9/09
S7843	PATH HALL SOUTH ARCH AXIS D13	6/10/10
S7844	PATH HALL SOUTH ARCH AXIS D14	6/10/10
S7845	PATH HALL SOUTH ARCH AXIS D15	6/10/10
S7846	PATH HALL SOUTH ARCH AXIS D16	6/10/10
S7847	PATH HALL SOUTH ARCH AXIS D17	7/1/10
S7848	PATH HALL SOUTH ARCH AXIS D18	7/1/10
S7849	PATH HALL SOUTH ARCH AXIS D19	7/1/10
S7850	PATH HALL SOUTH ARCH SECTIONS AND DETAILS 1	7/1/10
S7851	PATH HALL SOUTH ARCH SECTIONS AND DETAILS 2	7/1/10
S7852	PATH HALL SOUTH ARCH SECTIONS AND DETAILS 3	7/1/10
S7853	PATH HALL SOUTH ARCH SECTIONS AND DETAILS 4	7/1/10
S7853-1	PATH HALL SOUTH ARCH SECTIONS AND DETAILS 4	7/1/10
S7854	PATH HALL SOUTH MISCELLANEOUS STEEL SECTIONS AND DETAILS	11/16/09
S7863	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D17	6/10/10
S7864	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D18	10/9/09
S7865	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D19	10/9/09
S7866	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D20	10/9/09
S7867	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D21	10/9/09
S7868	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D22	10/9/09
S7869	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D23	6/10/10
S7870	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D24	10/9/09
S7871	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D25, D35	10/9/09
S7871-1	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D44	10/9/09
S7872	PATH HALL @ NORTH PLATE GIRDER SECTIONS AXIS D26-D34, D36-D43	6/10/10

Drawing	Title	Latest Date
S7875	PATH HALL VIERENDEEL TRUSS CENTER PARTIAL PLAN / RCP @ LEVEL 284'	10/9/09
S7876	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D14	12/23/09
S7877	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D15	12/23/09
S7878	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D16	12/23/09
S7879	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D17	12/23/09
S7880	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D18	12/23/09
S7881	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D19	12/23/09
S7882	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D20	10/9/09
S7883	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D21	10/9/09
S7884	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D22	10/9/09
S7885	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D23	10/9/09
S7886	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D24	10/9/09
S7887	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D25	10/9/09
S7888	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D26	10/9/09
S7889	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D27	10/9/09
S7890	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D28	10/9/09
S7891	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D29	10/9/09
S7892	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D30	10/9/09
S7893	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D31	6/10/10
S7894	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D32	10/9/09
S7895	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D33	10/9/09
S7896	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D34	10/9/09
S7897	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D35	10/9/09
S7898	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D36	10/9/09
S7899	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D37	10/9/09
S7900	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D38	10/9/09
S7901	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D39	10/9/09
S7902	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D40	10/9/09
S7903	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D41	10/9/09
S7904	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D42	10/9/09
S7905	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D43	10/9/09
S7906	PATH HALL VIERENDEEL @ M-LINE SECTIONS AXIS D44	11/16/09
S7913	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D17	6/10/10
S7914	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D18	10/9/09
S7915	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D19	10/9/09
S7916	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D20	10/9/09
S7917	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D21	10/9/09
S7918	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D22	10/9/09
S7919	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D23	6/10/10
S7920	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D24	10/9/09
S7921	PATH HALL @ SOUTH PLATE GIRDER AXIS D25 AND D35	10/9/09
S7921-1	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D26-D34, D36-D39	10/9/09
S7922	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D40	10/9/09
S7923	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D41	10/9/09
S7924	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D42	10/9/09
S7925	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D43	10/9/09
S7926	PATH HALL @ SOUTH PLATE GIRDER SECTIONS AXIS D44	10/9/09
	SCHEDULES AND TYPICAL DETAILS	
S8201	TRANSIT HALL CONCRETE BEAM SCHEDULE EL. 254'	10/9/09
S8202	TRANSIT HALL CONCRETE BEAM SCHEDULE EL. 274'	7/1/10
S8301	TRANSIT HALL CONCRETE COLUMN PLAN AND MARK NUMBERS	6/10/10
S8302	TRANSIT HALL STEEL COLUMN PLAN AND MARK NUMBERS	6/10/10
S8303	TRANSIT HALL COLUMN AND FOOTING SCHEDULE	7/1/10
S8304	TRANSIT HALL CONCRETE COLUMN AND FOOTING DETAILS	6/10/10
	S8304-1 TRANSIT HALL CONCRETE COLUMN AND FOOTING DETAILS - DELETED ADD 22	
	S8304-2 TRANSIT HALL CONCRETE COLUMN AND FOOTING DETAILS - DELETED ADD 22	
S8305	TRANSIT HALL STEEL COLUMN AND BASE PLATE DETAILS SHEET 1	6/10/10
	S8305-1 TRANSIT HALL STEEL COLUMN AND BASE PLATE DETAILS SHEET 2 - DELETED ADD 22	

Drawing	Title	Latest Date
S8306	TRANSIT HALL STEEL COLUMN AND BASE PLATE DETAILS 2	7/1/10
S8307	TRANSIT HALL STEEL COLUMN AND BASE PLATE DETAIL 3	7/1/10
S8311	TRANSIT HALL LOWER CONCOURSE COLUMN KEY PLAN EL. 274'	3/1/10
S8501	TYPICAL CONCRETE DETAILS 1	10/9/09
S8502	TYPICAL CONCRETE DETAILS 2	12/23/09
S8601	TYPICAL STEEL DETAILS 1	10/9/09
S8602	TYPICAL STEEL DETAILS 2	3/22/10
S8603	TRANSIT HALL TYPICAL DEVICE EMBEDMENT STEEL SECTIONS AND DETAILS	6/10/10
S8604	TRANSIT HALL COLUMNS WITH ELECTRICAL EMBEDS SECTION AND DETAILS 1	3/22/10
S8605	TRANSIT HALL COLUMNS WITH ELECTRICAL EMBEDS SECTION AND DETAILS 2	3/22/10
S8611	TYPICAL HOIST BEAM SUPPORT DETAILS	11/16/09
S8611-1	SLAB FRAMING PART PLAN	11/16/09
S8612	FLANKING ARCHES PLANS AND SECTIONS	7/1/10
S8613	FLANKING ARCHES SECTIONS & DETAILS	7/1/10
S8701	SUPER COLUMN SPHERICAL BEARING STANDARD DETAILS - 1	11/16/09
S8702	SPHERICAL AND DISC BEARING ON WEST WALL	10/9/09
	CONSTRUCTION	
S9102	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 220'	10/9/09
S9112	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 229'-6"	10/9/09
S9122	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 237'	10/9/09
S9132	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 254'	3/1/10
S9142	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 266'	3/1/10
S9152	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 274'	3/1/10
S9172	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN EL. 296'	3/1/10
S9192	TRANSIT HALL CONSTRUCTION JOINT/POUR STRIP PLAN GROUND LEVEL	3/1/10
S9301	TRANSIT HALL CONSTRUCTION SEQ A H AND M WALL	7/1/10
S9302	TRANSIT HALL CONSTRUCTION SEQ B H&M WALL	6/10/10
S9401	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 1	10/9/09
S9402	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 2	10/9/09
S9403	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 3	10/9/09
S9404	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 4	3/22/10
S9405	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 5	10/9/09
S9406	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 6	3/22/10
S9407	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 7	3/22/10
S9408	TRANSIT HALL GENERAL CONSTRUCTION SEQUENCE 8	3/22/10
S9501	PATH HALL CONCRETE SUB-GRADE LEVEL SLAB SUGGESTED PLACEMENT SEQUENCE	4/1/10
S9503	PATH HALL CONSTRUCTION JOINTS POUR STRIP DETAILS	10/9/09
S9504	CONSTRUCTION JOINTS PRIOR TO REMOVAL OF PROVISIONAL SUPPORTS 1	10/9/09
S9505	CONSTRUCTION JOINTS PRIOR TO REMOVAL OF PROVISIONAL SUPPORTS 2	10/9/09
VOL II	CONSTRUCTION PHASING	
	ARCHITECTURAL	
CSA013	EXISTING PATH OPERATION ROOMS AND PHASING NOTES	10/9/09
	STRUCTURAL	
CSS201	CONSTRUCTION FALSE WORK GENERAL NOTES AND ASSUMPTIONS	11/16/09
CSS210	PROVISIONAL SUPPORTS KEY PLAN EL. 283' +/-	11/16/09
CSS220	FOUNDATION PLAN EL. 242' +/-	11/16/09
CSS240	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 1	11/16/09
CSS240-1	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 1	6/10/10
CSS241	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 2	11/16/09
CSS242	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 3	11/16/09
CSS243	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 4	11/16/09
CSS244	SUGGESTED PROVISIONAL SUPPORTS SECTIONS 5	11/16/09
CSS250	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 1	11/16/09
CSS251	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 2	4/1/10
CSS252	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 3	4/1/10

Drawing	Title	Latest Date
CSS253	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 4	4/1/10
CSS254	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 5	4/1/10
CSS255	SUGGESTED PATH HALL ROOF CONSTRUCTION SEQUENCE 6	4/1/10
CSS260	TYPICAL NOMENCLATURE FOR CONSTRUCTION OF ROOF RIBS	11/16/09
CSS261	SUGGESTED SEQUENCE OF EAST BOX GIRDER CONSTRUCTION	11/16/09
CSS262	SUGGESTED SEQUENCE OF SPINE CONSTRUCTION	11/16/09
CSS263	SUGGESTED SEQUENCE OF PLATE GIRDER AND RIB CONSTRUCTION 1	11/16/09
CSS264	SUGGESTED SEQUENCE OF PLATE GIRDER AND RIB CONSTRUCTION 2	11/16/09
CSS265	SUGGESTED SEQUENCE OF PLATE GIRDER AND RIB CONSTRUCTION 3	11/16/09
CSS266	SUGGESTED SEQUENCE OF PLATE GIRDER AND RIB CONSTRUCTION 4	10/9/09
CSS270	CONSTRUCTION JOINTS PRIOR TO REMOVAL OF PROVISIONAL SUPPORTS 1	4/1/10
CSS271	CONSTRUCTION JOINTS PRIOR TO REMOVAL OF PROVISIONAL SUPPORTS 2	11/16/09
VOLT	ELECTRICAL	
	POWER	
EP0201	OVERALL NORMAL SYSTEM SINGLE LINE DIAGRAM	10/9/09
	EP0202 - PDC 'A' AND PDC 'B' SINGLE LINE DIAGRAMS - DELETED	
	EP0203 - PDC 'C' AND PDC 'D' SINGLE LINE DIAGRAMS - DELETED	
	EP0204 - PDC 'E' AND PDC 'F' SINGLE LINE DIAGRAMS - DELETED	
	EP0205 - PDC 'G' AND PDC 'H' SINGLE LINE DIAGRAMS - DELETED	
EP0206	TYPICAL SPOT NETWORK SINGLE LINE DIAGRAM	10/9/09
EP0207	GENERATOR PARALLELING SWITCHGEAR SINGLE LINE DIAGRAM	10/9/09
EP0209	SN-TN 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 242'-0"	7/1/10
EP0210	SN-PN 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 250'-0"	11/16/09
EP0211	SN-TS 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 250'-0" SHEET 1OF2	4/1/10
EP0211A	SN-TS 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 250'-0" SHEET 2OF2	6/10/10
EP0212	SN-NW 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 250'-0"	4/1/10
EP0213	SN-PS 480V SWITCHGEAR ONE LINE DIAGRAMS EL. 266'-0"	12/23/09
EP0215	EDS-TN EMERGENCY DISTRIBUTION ONE LINE DIAGRAM	7/1/10
EP0216	EDS-PN EMERGENCY DISTRIBUTION ONE LINE DIAGRAM	4/1/10
EP0217	EDS-TS EMERGENCY DISTRIBUTION ONE LINE DIAGRAM SHEET 1 OF 2	6/10/10
EP0217A	EDS-TS EMERGENCY DISTRIBUTION ONE LINE DIAGRAM SHEET 2 OF 2	4/1/10
EP0218	EDS-NW EMERGENCY DISTRIBUTION ONE LINE DIAGRAM	6/10/10
EP0219	EDS-PS EMERGENCY DISTRIBUTION ONE LINE DIAGRAM	12/23/09
EP0220	EDS-SE EMERGENCY DISTRIBUTION ONE LINE DIAGRAM	4/1/10
EP0221	FIRE PUMPS POWER DISTRIBUTION ONE LINE DIAGRAMS	10/9/09
EP0222	FIRE ALARM SYSTEM POWER DISTRIBUTION ONE LINE DIAGRAM	10/9/09
EP0223	TYPICAL UNINTERRUPTIBLE POWER SUPPLY (UPS), ONE LINE DIAGRAMS	10/9/09
EP0230	TS-EMCC1 & 2 OPERABLE ROOF SMOKE PURGE FAN ONE LINE DIAGRAM	6/10/10
EP0231	TS-EMCC1 & 2 OPERABLE ROOF SMOKE PURGE FAN/SKYLIGHT ONE LINE DIAGRAM	6/10/10
EP0232	OCULUS SKYLIGHT CONTROL SYSTEM ONE LINE DIAGRAM	7/1/10
EP0300	OVERALL PDC, SPOT NETWORK AND EDS ROOM LOCATION PLAN	7/1/10
EP0301	PDC PHYSICAL LAYOUT EL. 274'-0"	10/9/09
EP0302	TYPICAL PDC ELEVATION, FLOOR PLAN AND 125 VDC CONTROL POWER SCHEMATIC	10/9/09
EP0302A	TYPICAL SPOT NETWORK ELEVATIONS	10/9/09
EP0303	EDS-SE LAYOUT EL.250'	10/9/09
EP0304	GENERATOR AND PARALLELING SWITCHGEAR LAYOUT EL. 386'-0"	10/9/09
EP0305	SN-TN SPOT NETWORK, SWGR-TN AND EDS-TN LAYOUTS	10/9/09
EP0306	SN-TS SPOT NETWORK SWGR-TS AND EDS-TS LAYOUTS	10/9/09
EP0307	SN-NW SPOT NETWORK SWGR-NW AND EDS-NW LAYOUTS	10/9/09
EP0308	SN-PN SPOT NETWORK SWGR-PN AND EDS-PN LAYOUTS	10/9/09
EP0309	SN-PS SPOT NETWORK SWGR-PS AND EDS-PS LAYOUTS	10/9/09
EP0310	ELECTRICAL ROOMS PART PLANS PLATFORM SHEET 1 OF 2	6/10/10
EP0311	ELECTRICAL ROOMS PART PLANS PLATFORM SHEET 2 OF 2	10/9/09
EP0312	ELECTRICAL ROOMS PART PLANS WEST STREET CONCOURSE/UNDERPASS	6/10/10
EP0313	ELECTRICAL ROOMS PART PLANS HUB SPACES UNDER 1 LINE	4/1/10
EP0314	ELECTRICAL ROOMS PART PLANS WEST SIDE SOUTH	11/16/09
EP0315	ELECTRICAL ROOMS PART PLANS EAST BATHTUB (BELOW GRADE) SHEET 1 OF 2	7/1/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
EP0316	ELECTRICAL ROOMS PART PLANS EAST BATHTUB (BELOW GRADE) SHEET 2 OF 2	4/1/10
EP0317	ELECTRICAL ROOMS PART PLANS WEST SIDE NORTH	4/1/10
EP0318	ELECTRICAL ROOMS PART PLANS OCULUS	6/10/10
EP0401	PDC INCOMING SERVICE CONDUIT DUCT BANK LAYOUT PLANS EL. 296'-0" AND EL. 306'-0"	10/9/09
EP0402	GENERAL SITE PLAN 15KV NORMAL AND EMERGENCY POWER CONDUIT LAYOUT EL. 274'-0"	10/9/09
EP0403	GENERAL SITE PLAN 15KV NORMAL POWER CONDUIT AND INCOMING SERVICE DUCT BANK PLAN EL. 274'-0"	2/1/10
EP0403A	15KV NORMAL POWER CONDUIT LAYOUT PLAN EL. 274'-0"	10/9/09
EP0403B	INCOMING SERVICE DUCTBANK PHYSICAL LAYOUT EL. 274'-0"	10/9/09
EP0404	GENERAL SITE PLAN 15KV NORMAL AND EMERGENCY POWER CONDUIT LAYOUT EL. 266'-0"	2/1/10
EP0405	GENERAL SITE PLAN 15KV NORMAL AND EMERGENCY POWER CONDUIT LAYOUT EL. 250'-0"	2/1/10
EP0406	GENERAL SITE PLAN 15KV NORMAL AND EMERGENCY POWER CONDUIT LAYOUT EL. 242'-0"	2/1/10
EP0407	15KV NORMAL POWER UNDERGROUND DUCTBANK LAYOUT EL. 229'-6" AND EL 237'-0"	7/1/10
EP0410	15 KV PARALLELING SWITCHGEAR EMERGENCY CONDUIT LAYOUT EL. 386' - 0"	10/9/09
EP0510	SWITCHGEAR TN-A, B, C & D PANEL SCHEDULES	7/1/10
EP0511	SWITCHGEAR TN-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 1 OF 2	7/1/10
EP0511A	SWITCHGEAR TN-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 2 OF 2	7/1/10
EP0512A	SWITCHGEAR TS-A, B, C & D PANEL SCHEDULES SHEET 1 OF 2	7/1/10
EP0512B	SWITCHGEAR TS-A, B, C & D PANEL SCHEDULES SHEET 2 OF 2	6/10/10
EP0513A	SWITCHGEAR TS-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 1 OF 3	6/10/10
EP0513B	SWITCHGEAR TS-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 2 OF 3	6/10/10
EP0513C	SWITCHGEAR TS-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 3 OF 3	6/10/10
EP0514	SWITCHGEAR PS-A, B, C & D PANEL SCHEDULES SHEET 1 OF 2	7/1/10
EP0514A	SWITCHGEAR PS-A, B, C & D PANEL SCHEDULES SHEET 2 OF 2	10/9/09
EP0515A	SWITCHGEAR PS-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 1 OF 2	6/10/10
EP0515B	SWITCHGEAR PS-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 2 OF 2	6/10/10
EP0516	SWITCHGEAR PN-A, B, C & D PANEL SCHEDULES	7/1/10
EP0517	SWITCHGEAR PN-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 1 OF 2	7/1/10
EP0517A	SWITCHGEAR PN-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 2 OF 2	6/10/10
EP0518	SWITCHGEAR NW-A, B, C & D PANEL SCHEDULES SHEET 1 OF 2	6/10/10
EP0519	SWITCHGEAR NW-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 1 OF 2	6/10/10
EP0519A	SWITCHGEAR NW-A, B, C & D EMERGENCY PANEL SCHEDULES SHEET 2 OF 2	7/1/10
EP0520	UPS PANEL SCHEDULES	6/10/10
EP0521	LOCAL FCO PANEL SCHEDULES	7/1/10
EP0522	ELECTRICAL PANEL SCHEDULE LOCATOR	11/16/09
EP0601	OVERALL GROUND LOOP PLAN EL. 242'-0"	6/10/10
EP0602	PDC ROOMS GROUNDING PLAN	10/9/09
EP0603	TYPICAL SPOT NETWORK, GENERATOR AND EDS GROUNDING PLAN	10/9/09
EP0706	FIRE ALARM SYSTEM POWER DISTRIBUTION AND FUSED CUTOUT DETAILS	10/9/09
EP0814	SPOT NETWORK SWITCHGEAR WTC SCADA PANEL DETAIL AND WIRING DIAGRAM	10/9/09
EP0815	GENERATOR PARALLELING SWITCHGEAR AND TYPICAL EDS WTC SCADA PANEL DETAIL AND WIRING DIAGRAM	10/9/09
EP0818	GRAPHICAL DEPICTION OF OVER TRACK EXHAUST CONTROL	11/16/09
EP0819	PATH SCADA POINT LIST	10/9/09
EP0820	PATH SCADA SYSTEM PLATFORM SMOKE EXHAUST SYSTEM WORKSTATION	10/9/09
EP0821	SX-1 THROUGH SX-6 SINGLE LINE DIAGRAMS	11/16/09
EP0822	PLATFORM & MEZZANINE FAN PLANT LOCAL TEST PANELS	2/1/10
EP0823	BMS AND DDC SYSTEM POWER DISTRIBUTION SHEET 1 OF 2	11/16/09
EP0824	BMS AND DDC SYSTEM POWER DISTRIBUTION SHEET 2 OF 2	11/16/09
EP0825	PATH PLATFORM SMOKE EXHAUST SYSTEM PLC BLOCK DIAGRAM	11/16/09
EP0826	PATH MEZZANINE SMOKE EXHAUST SYSTEM PLC BLOCK DIAGRAM	11/16/09
EP0827	RADIO SYSTEM POWER ONE LINE DIAGRAM SHEET 1 OF 2	10/9/09
EP0828	RADIO SYSTEM POWER ONE LINE DIAGRAM SHEET 2 OF 2	10/9/09
EP0829	RADIO SYSTEM POWER RISER DIAGRAM	10/9/09
EP0830	PDC CONTROL AND MONITORING WIRING DIAGRAMS	10/9/09
EP0831	PDC AND DC PANEL WIRING DIAGRAMS	10/9/09
EP0832	EMERGENCY GENERATOR AND ATS CONTROL WIRING DIAGRAMS	10/9/09
EP0857	SCADA SYSTEM LOGIC INTERFACE BLOCK DIAGRAM	2/1/10
EP1113	POWER CENTRAL PLANT LEVEL PART PLAN 13 EL. 229'-6"	6/10/10
EP1302	POWER BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	7/1/10
EP1304	BUS PARKING LEVEL PART PLAN 4 EL. 250'-0"	6/10/10

Drawing	Title	Latest Date
EP1306	BUS PARKING LEVEL PART PLAN 6 EL. 250'-0"	6/10/10
EP1310	POWER BUS PARKING LEVEL PART PLAN 10 EL. 250'-0"	10/9/09
EP1402	POWER MEZZANINE LEVEL PART PLAN 2 EL. 266'-0"	10/9/09
EP1510	POWER TRANSIT HALL LEVEL PART PLAN 10 EL. 274'-0"	10/9/09
EP1511	POWER TRANSIT HALL LEVEL PART PLAN 11 EL. 274'-0"	10/9/09
	FIRE ALARM	
EF0003	FIRE ALARM ZONING PLANS AND PANEL LOCATIONS SHEET 1 OF 2	10/9/09
EF0004	FIRE ALARM ZONING PLANS AND PANEL LOCATIONS SHEET 2 OF 2	10/9/09
EF0101	FIRE ALARM BLOCK DIAGRAM	7/1/10
EF0102	FIRE ALARM NETWORK RISER DIAGRAM	10/9/09
EF0107	FIRE ALARM OPERATION MATRIX	7/1/10
EF0108	OVER TRACK EXHAUST SEQUENCE OF OPERATIONS	4/1/10
EF0108A	OVER TRACK EXHAUST DIAGRAM	11/16/09
EF0109	SEQUENCE OF OPERATIONS AND AIRFLOW DIAGRAMS MEZZANINE & OCULUS	2/1/10
EF0110	FIRE ALARM RISER DIAGRAM SHEET 1 EL. 229'-6"	10/9/09
EF0111	FIRE ALARM RISER DIAGRAM SHEET 2 EL. 242'-0"	6/10/10
EF0112	FIRE ALARM RISER DIAGRAM SHEET 3 EL. 242'-0"	6/10/10
EF0113	FIRE ALARM RISER DIAGRAM SHEET 4 EL. 242'-0"	6/10/10
EF0114	FIRE ALARM RISER DIAGRAM SHEET 5 EL. 250'-0"	6/10/10
EF0115	FIRE ALARM RISER DIAGRAM SHEET 6 EL. 250'-0"	6/10/10
EF0116	FIRE ALARM RISER DIAGRAM SHEET 7 EL. 250'-0"	6/10/10
EF0117	FIRE ALARM RISER DIAGRAM SHEET 8 EL. 250'-0"	6/10/10
EF0118	FIRE ALARM RISER DIAGRAM SHEET 9 EL. 250'-0"	6/10/10
EF0119	FIRE ALARM RISER DIAGRAM SHEET 10 EL. 250'-0"	6/10/10
EF0120	FIRE ALARM RISER DIAGRAM SHEET 11 EL. 250'-0"	6/10/10
EF0121	FIRE ALARM RISER DIAGRAM SHEET 12 EL. 250'-0"	10/9/09
EF0122	FIRE ALARM RISER DIAGRAM SHEET 13 EL. 266'-0"	4/1/10
EF0123	FIRE ALARM RISER DIAGRAM SHEET 14 EL. 266'-0"	7/1/10
EF0124	FIRE ALARM RISER DIAGRAM SHEET 15 EL. 266'-0"	4/1/10
EF0125	FIRE ALARM RISER DIAGRAM SHEET 16 EL. 266'-0"	4/1/10
EF0126	FIRE ALARM RISER DIAGRAM SHEET 17 EL. 266'-0"	6/10/10
EF0127	FIRE ALARM RISER DIAGRAM SHEET 18 EL. 266'-0"	4/1/10
EF0128	FIRE ALARM RISER DIAGRAM SHEET 19 EL. 274'-0"	7/1/10
EF0129	FIRE ALARM RISER DIAGRAM SHEET 20 EL. 274'-0"	7/1/10
EF0130	FIRE ALARM RISER DIAGRAM SHEET 21 EL. 274'-0"	6/10/10
EF0131	FIRE ALARM RISER DIAGRAM SHEET 22 EL. 274'-0"	6/10/10
EF0132	FIRE ALARM RISER DIAGRAM SHEET 23 EL. 274'-0"	6/10/10
EF0133	FIRE ALARM RISER DIAGRAM SHEET 24 EL. 285'-0"	4/1/10
EF0134	FIRE ALARM RISER DIAGRAM SHEET 25 EL. 285'-0"	4/1/10
EF0135	FIRE ALARM RISER DIAGRAM SHEET 26 EL. 296'-0"	6/10/10
EF0136	FIRE ALARM RISER DIAGRAM SHEET 27 EL. 296'-0"	7/1/10
EF0137	FIRE ALARM RISER DIAGRAM SHEET 28 EL. 296'-0"	4/1/10
EF0138	FIRE ALARM RISER DIAGRAM SHEET 29 EL. 296'-0"	4/1/10
EF0139	FIRE ALARM RISER DIAGRAM SHEET 30 EL. 306'-0"	6/10/10
EF0140	FIRE ALARM RISER DIAGRAM SHEET 31 EL. 326'-0"	10/9/09
EF0141	FIRE ALARM RISER DIAGRAM SHEET 32 EL. 326'-0"	10/9/09
EF0142	FIRE ALARM RISER DIAGRAM SHEET 33 EL. 326'-0"	6/10/10
EF0143	FIRE ALARM RISER DIAGRAM SHEET 34 EL. 386'-0"	7/1/10
EF0144	FIRE ALARM RISER DIAGRAM SHEET 35 EL. 404'-0"	7/1/10
EF0145	FIRE ALARM RISER DIAGRAM SHEET 36 EL. 404'-0"	6/10/10
VOL 12	ELECTRICAL	
	COMMUNICATIONS	
	SYSTEM DIAGRAMS	
EC0002	PATH STATION BACKBONE COMMUNICATIONS RISER DIAGRAM	10/9/09
EC0003	UNIFIED SONET NETWORK BLOCK DIAGRAMS	10/9/09
EC0004	PATH STATION NETWORK BLOCK DIAGRAM	10/9/09

Drawing	Title	Latest Date
EC0005	WTC TERMINAL BACKBONE COMMUNICATIONS RISER DIAGRAM	10/9/09
EC0006	WTC TERMINAL NETWORK BLOCK DIAGRAM	6/10/10
EC0007	WTC TERMINAL NETWORK CONNECTION TO PATH NETWORK AND PAWANET	10/9/09
EC0008	HUB SYSTEMS LOGICAL INTERFACE BLOCK DIAGRAM	2/1/10
	DETAILS	
EC6101	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 1 OF 11)	10/9/09
EC6102	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 2 OF 11)	6/10/10
EC6103	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 3 OF 11)	10/9/09
EC6104	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 4 OF 11)	6/10/10
EC6105	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 5 OF 11)	6/10/10
EC6106	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 6 OF 11)	6/10/10
EC6107	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 7 OF 11)	6/10/10
EC6108	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 8 OF 11)	6/10/10
EC6109	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 9 OF 11)	10/9/09
EC6110	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 10 OF 11)	6/10/10
EC6111	COMMUNICATIONS ROOM PLANS AND DETAILS (SHEET 11 OF 11)	10/9/09
	TELEPHONE	
	SYSTEM DIAGRAMS	
ET0002	TEMPORARY PATH STATION EXISTING TELEPHONE SYSTEM ELEMENTARY DIAGRAM	10/9/09
ET0003	TEMPORARY PATH STATION EXISTING TELEPHONE CABLE RISER DIAGRAM	10/9/09
ET0004	TELEPHONE BLOCK DIAGRAM - PATH	10/9/09
ET0006	TELEPHONE CABLE RISER DIAGRAM - PATH	10/9/09
ET0007	TELEPHONE BLOCK DIAGRAM - WTC TERMINAL	10/9/09
	DETAILS	
ET6101	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 1 OF 8	10/9/09
ET6102	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 2 OF 8	10/9/09
ET6103	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 3 OF 8	10/9/09
ET6104	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 4 OF 8	10/9/09
ET6105	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 5 OF 8	7/1/10
ET6106	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 6 OF 8	10/9/09
ET6107	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 7 OF 8	10/9/09
ET6108	TELEPHONE DISTRIBUTION FRAME DETAILS SHEET 8 OF 8	10/9/09
ET6115	TELEPHONE TERMINAL BOARD SCHEDULES SHEET 1 OF 3	10/9/09
ET6116	TELEPHONE TERMINAL BOARD SCHEDULES SHEET 2 OF 3	10/9/09
ET6117	TELEPHONE TERMINAL BOARD SCHEDULES (SHEET 3 of 3)	7/1/10
ET6118	ETHERNET PATCH PANEL SCHEDULE	10/9/09
	SECURITY	
	SYSTEM DIAGRAMS	
ES0002	CCTV AND SACS SYSTEM ARCHITECTURE DIAGRAM, STATION AND TERMINAL	2/1/10
ES0004	CCTV AND SACS EDGE DEVICE BLOCK DIAGRAM	10/9/09
ES0007	CCTV PAN, TILT, ZOOM INTERFACE BLOCK DIAGRAM	10/9/09
ES0008	INTERCOM OVER IP (IOIP) BLOCK DIAGRAM	6/10/10
ES0009	CCTV AND SACS RISER DIAGRAM (SHEET 1 OF 4)	6/10/10
ES0010	CCTV AND SACS RISER DIAGRAM (SHEET 2 OF 4)	6/10/10
ES0011	CCTV AND SACS RISER DIAGRAM (SHEET 3 OF 4)	7/1/10
ES0012	CCTV AND SACS RISER DIAGRAM (SHEET 4 OF 4)	6/10/10
ES0013	VIDEO WALL BLOCK DIAGRAM	10/9/09
ES0014	SECURITY - ARCHIVED VIDEO STORAGE BLOCK DIAGRAM OF SINGLE STORAGE LOCATION	6/10/10
	SCHEDULES	
ES0801	VIDEO MONITORING CAMERA SCHEDULE (SHEET 1 OF 4)	6/10/10
ES0802	VIDEO MONITORING CAMERA SCHEDULE (SHEET 2 OF 4)	6/10/10
ES0803	VIDEO MONITORING CAMERA SCHEDULE (SHEET 3 OF 4)	6/10/10
ES0804	VIDEO MONITORING CAMERA SCHEDULE (SHEET 4 OF 4)	6/10/10
ES0805	ACCESS CONTROL DEVICE SCHEDULE (SHEET 1 OF 4)	6/10/10

Drawing	Title	Latest Date
ES0806	ACCESS CONTROL DEVICE SCHEDULE (SHEET 2 OF 4)	7/1/10
ES0807	ACCESS CONTROL DEVICE SCHEDULE (SHEET 3 OF 4)	6/10/10
ES0808	ACCESS CONTROL DEVICE SCHEDULE (SHEET 4 OF 4)	6/10/10
ES0809	CCTV DEVICE SCHEDULES	6/10/10
	DETAILS	
ES6102	SACS MISCELLANEOUS WIRING DIAGRAMS	11/16/09
ES6104	CCTV AND SACS DETAILS	2/1/10
	CUSTOMER INFORMATION	
	SYSTEM DIAGRAMS	
EW0014	CUSTOMER INFORMATION SYSTEM INSTALLATION AT HOBAN	10/9/09
EW0015	EXISTING PATH P.A. SYSTEM CONTROL BLOCK DIAGRAM	10/9/09
	RADIO	
	SYSTEM DIAGRAMS	
ER0001	RADIO - TEMPORARY STATION ONE-LINE DIAGRAM	7/1/10
ER0002	RADIO WTC SYSTEM ONE LINE DIAGRAM (SHEET 1 OF 3)	7/1/10
ER0003	RADIO WTC SYSTEM ONE LINE DIAGRAM (SHEET 2 OF 3)	7/1/10
ER0004	RADIO WTC SYSTEM ONE LINE DIAGRAM (SHEET 3 OF 3)	6/10/10
ER0004A	RADIO WTC SYSTEM ONE LINE DIAGRAM RETAIL (SHEET 1 OF 2)	6/10/10
ER0004B	RADIO WTC SYSTEM ONE LINE DIAGRAM RETAIL (SHEET 2 OF 2)	6/10/10
ER0005	RADIO - SYSTEM BLOCK DIAGRAM	6/10/10
ER0006	RADIO FUNCTIONAL DIAGRAM	6/10/10
ER0007	RADIO - PATH VHF RF SYSTEM AND PA UHF RF SYSTEM	6/10/10
ER0008	RADIO - 800MHZ RF SYSTEM	6/10/10
ER0009	RADIO - EMS, FDNY, AND OFF AIR RF SYSTEMS	6/10/10
ER0010	RADIO - LOGGING RECORDER SYSTEM BLOCK DIAGRAM	6/10/10
ER0011	RADIO SYSTEM SIGNAL RISER DIAGRAM	6/10/10
ER0012	RADIO COMBINER SYSTEM	6/10/10
ER0013	SATELLITE, TV OFF AIR PICKUP AND GPS TIME SYSTEMS	6/10/10
ER0014	RADIO SYSTEM COVERAGE ZONES (SHEET 1 OF 2)	6/10/10
ER0015	RADIO SYSTEM COVERAGE ZONES (SHEET 2 OF 2)	7/1/10
ER0016	RADIO - PORT AUTHORITY TRANSPORT NETWORK DIAGRAM	6/10/10
ER0017	RADIO - ETHERNET NETWORK BLOCK DIAGRAM	6/10/10
ER0018	RADIO - ACOM CONSOLE BLOCK DIAGRAM	6/10/10
ER0019	RADIO ALARM AND CONTROL SYSTEM (RACS) ELEMENTARY DIAGRAM	4/15/10
ER0020	FCS REPEATER, SIMPLEX AND DISPATCHER OPERATOR POSITION	4/15/10
ER0021	FDNY FCS RADIO AUDIO ROUTING DETAILS	4/15/10
ER0022	FDNY FCS RADIO T1 AUDIO DISTRIBUTION DIAGRAM	4/15/10
ER0023	SITEWIDE RADIO SYSTEM ARCHITECTURE DIAGRAM	4/15/10
ER0024	RADIO - PORT AUTHORITY TYPICAL RF ALARM POINTS DIAGRAM	4/15/10
ER0025	RADIO SYSTEM COVERAGE ZONES SHEET (SHEET 7 OF 7)	6/10/10
ER0026	RADIO - SITEWIDE DISTRIBUTION NETWORK	6/10/10
ER0032	RADIO ETHERNET AND DATA NETWORKS BLOCK DIAGRAM	6/10/10
ER0033	RADIO - CONSOLE BLOCK DIAGRAM	6/10/10
ER0034	RADIO ALARM AND CONTROL SYSTEM (RACS) ELEMENTARY DIAGRAM	6/10/10
ER0035	FIRE COMMAND STATION BLOCK DIAGRAM	6/10/10
ER0036	FCS REPEATER, SIMPLEX AND DISPATCHER OPERATOR POSITION	6/10/10
ER0037	FDNY FCS RADIO AUDIO ELEMENT ROUTING DETAILS	6/10/10
ER0038	FDNY FCS RADIO AUDIO HUB ROUTING DETAILS	6/10/10
ER0039	FDNY FCS RADIO T-1 AUDIO DISTRIBUTION DIAGRAM	6/10/10
ER0040	RADIO SYSTEM ARCHITECTURE DIAGRAMS	7/1/10
ER0041	RADIO - PORT AUTHORITY TYPICAL RF ALARM POINTS DIAGRAM - ELEMENT	6/10/10
ER0042	RADIO - PORT AUTHORITY TYPICAL RF ALARM POINTS DIAGRAM - HUB	6/10/10
ER0043	RACS - PLC ARCHITECTURE DIAGRAM	6/10/10
	REGIONAL PLANS 1/16"=1'-0"	
ER0110	RADIO LOCATION PLAN CENTRAL PLANT LEVEL EL. 229'-6"	10/9/09

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
	RADIO	
	SCHEDULES	
ER0806	RADIO SYSTEM ALARM SCHEDULE (SHEET 1 OF 6)	6/10/10
ER0807	RADIO SYSTEM ALARM SCHEDULE (SHEET 2 OF 6)	6/10/10
ER0808	RADIO SYSTEM ALARM SCHEDULE (SHEET 3 OF 6)	6/10/10
ER0809	RADIO SYSTEM ALARM SCHEDULE (SHEET 4 OF 6)	6/10/10
ER0810	RADIO SYSTEM ALARM SCHEDULE (SHEET 5 OF 6)	6/10/10
ER0811	RADIO SYSTEM ALARM SCHEDULE (SHEET 6 OF 6)	6/10/10
ER0812	RADIO SYSTEM EQUIPMENT AND DEVICE SCHEDULE (SHEET 1 OF 3)	7/1/10
ER0813	RADIO SYSTEM EQUIPMENT AND DEVICE SCHEDULE (SHEET 2 OF 3)	7/1/10
ER0814	RADIO SYSTEM EQUIPMENT AND DEVICE SCHEDULE (SHEET 3 OF 3)	7/1/10
ER0815	RADIO SYSTEM ROOM AND FREQUENCY SCHEDULES	6/10/10
	PART PLANS 1/8"=1'-0"	
ER1201	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 1 EL 242'-0"	10/9/09
ER1202	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 2 EL 242'-0"	4/15/10
ER1203	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 3 EL 250"	10/9/09
ER1204	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 4 EL 237'-0"	10/9/09
ER1205	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 5 EL 242'-0"	10/9/09
ER1206	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 6 EL 242'-0"	10/9/09
ER1207	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 7 EL 242'-0"	10/9/09
ER1209	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 9 EL 242'-0"	4/15/10
ER1210	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 10 EL 242'-0"	10/9/09
ER1211	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 11 EL 241'-0"	7/1/10
ER1212	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/BUS PARKING LEVEL PART PLAN 12 EL 242'-0"	4/1/10
ER1213	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/BUS PARKING LEVEL PART PLAN 13 EL 242'-0"	4/1/10
ER1214	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/BUS PARKING LEVEL PART PLAN 14 EL 242'-0"	7/1/10
ER1215	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/BUS PARKING LEVEL PART PLAN 15 EL 242'-0"	7/1/10
ER1216	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 16 EL 242'-0"	10/9/09
ER1218	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 18 EL 242'-0"	10/9/09
ER1220	RF CABLE ROUTING AND ANTENNA LOCATION INVERT/CAR PARKING LEVEL PART PLAN 20 EL 242'-0"	7/1/10
ER1301	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 1 EL 250'-0"	6/10/10
ER1302	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 2 EL 250'-0"	7/1/10
ER1304	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 4 EL 254'-0"	7/1/10
ER1305	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 5 EL 254'-0"	10/9/09
ER1306	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 6 EL 254'-0"	7/1/10
ER1307	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 7 EL 254'-0"	4/15/10
ER1308	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 8 EL 254'-0"	4/15/10
ER1309	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 9 EL 254'-0"	7/1/10
ER1310	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 10 EL 254'-0"	4/15/10
ER1311	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 11 EL 250'-3"	7/1/10
ER1312	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 12 EL 250'-3"	7/1/10
ER1313	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 13 EL 250'-3"	7/1/10
ER1314	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 14 EL 250'-3"	7/1/10
ER1315	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 15 EL 250'-3"	10/9/09
ER1316	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 16 EL 250'-3"	7/1/10
ER1317	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 17 EL 250'-3"	7/1/10
ER1318	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 18 EL 250'-3"	7/1/10
ER1319	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 19 EL 250'-0"	7/1/10
ER1320	RF CABLE ROUTING AND ANTENNA LOCATION PLATFORM/ BUS PARKING LEVEL PART PLAN 20 EL 250'-3"	7/1/10
ER1402	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 2 EL 266'-0"	10/9/09
ER1404	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 4 EL 266'-0"	7/1/10
ER1406	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 6 EL 266'-0"	10/9/09
ER1409	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 9 EL 266'-0"	4/15/10
ER1410	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 10 EL 266'-0"	6/10/10
ER1411	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 11 EL 266'-0"	7/1/10
ER1412	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 12 EL 266'-0"	7/1/10
ER1414	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 14 EL 266'-0"	7/1/10

Drawing	Title	Latest Date
ER1415	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 15 EL 266'-0"	7/1/10
ER1418	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 18 EL 266'-0"	4/15/10
ER1419	RF CABLE ROUTING AND ANTENNA LOCATION MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	6/10/10
ER1501	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 1 EL 274'-0"	6/10/10
ER1502	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 2 EL 274'-0"	7/1/10
ER1503	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 3 EL 274'-0"	6/10/10
ER1504	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 4 EL 274'-0"	7/1/10
ER1505	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 5 EL 274'-0"	7/1/10
ER1506	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 6 EL 274'-0"	7/1/10
ER1507	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 7 EL 274'-0"	7/1/10
ER1508	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 8 EL 274'-0"	7/1/10
ER1509	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 9 EL 274'-0"	7/1/10
ER1510	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 10 EL 274'-0"	6/10/10
ER1514	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 10 EL 274'-0"	6/10/10
ER1519	RF CABLE ROUTING AND ANTENNA LOCATION TRANSIT HALL LEVEL PART PLAN 19 EL 274'-0"	10/9/09
ER1611	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 11 EL 284'-0"	4/15/10
ER1612	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 12 EL 284'-0"	7/1/10
ER1613	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 13 EL 284'-0"	10/9/09
ER1614	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 14 EL 284'-0"	10/9/09
ER1615	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 15 EL 284'-0"	10/9/09
ER1618	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 18 EL 284'-0"	6/10/10
ER1619	RF CABLE ROUTING AND ANTENNA LOCATION UPPER WEST STREET CONCOURSE LEVEL PART PLAN 19 EL 284'-0"	6/10/10
ER1701	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	7/1/10
ER1702	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	4/15/10
ER1703	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 296'-0"	6/10/10
ER1704	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 296'-0"	7/1/10
ER1705	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 296'-0"	7/1/10
ER1706	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 296'-0"	7/1/10
ER1707	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 296'-0"	7/1/10
ER1708	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 296'-0"	6/10/10
ER1709	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 296'-0"	6/10/10
ER1710	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 10 EL 296'-0"	6/10/10
ER1719	RF CABLE ROUTING AND ANTENNA LOCATION UPPER TRANSIT HALL LEVEL PART PLAN 19 EL 296'-0"	10/9/09
ER1801	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 1 EL 306'-0"	4/15/10
ER1802	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 2 EL 306'-0"	6/10/10
ER1803	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL 306'-0"	6/10/10
ER1804	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 4 EL 306'-0"	6/10/10
ER1805	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL 306'-0"	10/9/09
ER1806	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 6 EL 306'-0"	10/9/09
ER1807	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 7 EL 306'-0"	10/9/09
ER1808	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 8 EL 306'-0"	10/9/09
ER1809	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL 306'-0"	10/9/09
ER1810	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 10 EL 306'-0"	10/9/09
ER1811	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 11 EL 306'-0"	10/9/09
ER1812	RF CABLE ROUTING AND ANTENNA LOCATION PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 12 EL 306'-0"	10/9/09
ER1901	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 1 EL 326'-0"	4/15/10
ER1902	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 2 EL 326'-0"	4/15/10
ER1903	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 3 EL 326'-0"	6/10/10
ER1904	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 4 EL 326'-0"	6/10/10
ER1905	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 5 EL 326'-0"	4/15/10
ER1906	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 6 EL 326'-0"	10/9/09
ER1907	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 7 EL 326'-0"	4/15/10
ER1908	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 8 EL 326'-0"	6/10/10
ER1909	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 9 EL 326'-0"	6/10/10
ER1910	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 10 EL 326'-0"	4/15/10
ER1911	RF CABLE ROUTING AND ANTENNA LOCATION GROUND LEVEL PART PLAN 11 EL 326'	10/9/09
ER2001	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 1 EL.346'-0"	6/10/10
ER2002	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 2 EL.346'-0"	7/1/10
ER2004	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 4 EL.346'-0"	4/15/10

Attachment J
Drawings (CONFIDENTIAL AND PRIVILEDGED)
World Trade Center Site - Transportation Hub
New York City, NY

JULY 1, 2010

Drawing	Title	Latest Date
ER2005	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 5 EL.346'-0"	4/15/10
ER2007	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 7 EL.346'-0"	6/10/10
ER2008	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 8 EL.346'-0"	7/1/10
ER2009	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 9 EL.346'-0"	4/15/10
ER2010	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 1 PART PLAN 10 EL.346'-0"	7/1/10
ER2101	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 1 EL.366'-0"	7/1/10
ER2102	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 2 EL.366'-0"	7/1/10
ER2104	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 4 EL.366'-0"	4/15/10
ER2105	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 5 EL.366'-0"	7/1/10
ER2107	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 7 EL.366'-0"	6/10/10
ER2108	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 8 EL.366'-0"	4/15/10
ER2109	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 9 EL.366'-0"	6/10/10
ER2110	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 2 PART PLAN 10 EL.366'-0"	6/10/10
ER2221	RF CABLE ROUTING AND ANTENNA LOCATION MEP LEVEL PART PLAN 21 EL. 386'-0"	7/1/10
ER2222	RF CABLE ROUTING AND ANTENNA LOCATION MEP LEVEL PART PLAN 22 EL. 386'-0" TOWER 2	4/15/10
ER2223	RF CABLE ROUTING AND ANTENNA LOCATION MEP LEVEL PART PLAN 23 EL. 386'-0" TOWER 4	6/10/10
ER2322	RF CABLE ROUTING AND ANTENNA LOCATION RETAIL LEVEL 4 PART PLAN 22 EL. 404'-0" TOWER 2	6/10/10
	DETAILS	
ER6101	RADIO - STANDARD DETAILS	6/10/10
ER6102	RADIO - ANTENNA MOUNTING DETAILS	7/1/10
ER6103	RADIO ROOM PLANS AND DETAILS (SHEET 1 OF 4)	6/10/10
ER6104	RADIO ROOM PLANS AND DETAILS (SHEET 2 OF 4)	7/1/10
ER6105	RADIO ROOM PLANS AND DETAILS (SHEET 3 OF 4)	6/10/10
ER6106	DISTRIBUTION NODE WIRING DIAGRAMS (SHEET 1 OF 3)	6/10/10
ER6107	DISTRIBUTION NODE WIRING DIAGRAMS (SHEET 2 OF 3)	6/10/10
ER6108	DISTRIBUTION NODE WIRING DIAGRAMS (SHEET 3 OF 3)	6/10/10
ER6109	DISTRIBUTION NODE WIRING DIAGRAMS (SHEET 1 OF 3)	6/10/10
ER6110	RADIO ROOM PLANS AND DETAILS (SHEET 4 OF 4)	4/15/10
ER6111	DISTRIBUTION NODE WIRING DIAGRAMS (SHEET 3 OF 3)	6/10/10
ER6112	RETAIL NODE ROOM PLANS AND WIRING DIAGRAMS (SHEET 1 OF 3)	6/10/10
ER6113	RETAIL NODE ROOM PLANS AND WIRING DIAGRAMS (SHEET 2 OF 3)	6/10/10
ER6114	RETAIL NODE ROOM PLANS AND WIRING DIAGRAMS (SHEET 3 OF 3)	6/10/10
ER6115	RADIO - COMBINER, SPLITTER, SIGNAL SAMPLER DETAILS	6/10/10
ER6116	WTC HUB FIRE COMMAND STATION PART PLANS AND ELEVATIONS	6/10/10
ER6117	RADIO - ANTENNA MOUNTING DETAILS - EAST	4/15/10
ER6118	WTC-1 PUBLIC SAFETY RADIO ROOM EL. 1633'-4" PART PLAN AND DETAILS	6/10/10
	OCC	
	DETAILS	
EO0601	OCC FLOOR PLAN	10/9/09
	SCHEDULES	
EO0801	OCC SCHEDULES	10/9/09
	TRACTION POWER	
EQ0121	UNDER PLATFORM DUCTBANKS CAR PARKING LEVEL OVERALL PLAN 1 EL. 237'-0"	10/9/09
EQ0124	UNDER PLATFORM DUCTBANKS INVERT LEVEL OVERALL PLAN 4 EL. 242'-0"	10/9/09
EQ0125	UNDER PLATFORM DUCTBANKS INVERT LEVEL OVERALL PLAN 5 EL. 242'-0"	10/9/09
EQ0131	TRACTION POWER PLATFORM LEVEL OVERALL PLAN 1 EL. 250'-0"	10/9/09
EQ0134	TRACTION POWER PLATFORM LEVEL OVERALL PLAN 4 EL. 250'-0"	10/9/09
EQ0135	TRACTION POWER PLATFORM LEVEL OVERALL PLAN 5 EL. 250'-0"	10/9/09
EQ0136	TRACTION POWER PLATFORM LEVEL OVERALL PLAN 6 EL. 250'-0"	10/9/09
EQ0137	TRACTION POWER PLATFORM LEVEL OVERALL PLAN 7 EL. 250'-0"	10/9/09
EQ0230	27KV TRACTION POWER AND OTHER CABLE EXISTING AND REMOVALS SINGLE LINE DIAGRAM	10/9/09
EQ0231	15KV AND AUXILIARY POWER EXISTING AND REMOVALS SINGLE LINE DIAGRAM	10/9/09
EQ0232	27KV TRACTION POWER AND OTHER CABLE SINGLE LINE DIAGRAM	10/9/09
EQ0233	15KV AND AUXILIARY POWER SINGLE LINE DIAGRAM	10/9/09
EQ0240	BLUE LIGHT STATION EXISTING AND INSTALLATION BLOCK DIAGRAMS	10/9/09

Drawing	Title	Latest Date
EQ0325	SUBSTATION NO. 3 ADDITIONAL EQUIPMENT LAYOUT	7/1/10
EQ0330	UNDER SUBSTATION NO. 3 ELECTRICAL PLANS	10/9/09
EQ0331	SUBSTATION NO. 3 AC POWER REMOVAL AND INSTALLATION PLANS EL. 270'-1"	10/9/09
EQ0332	SUBSTATION NO. 3 DC TRACTION POWER REMOVAL AND INSTALLATION PLANS EL. 270'-1"	7/1/10
	PATH SIGNALS	
EG0001	PATH SIGNALS RISER DIAGRAM	10/9/09
EG0002	PATH SIGNALS NOTES	10/9/09
EG0131	PATH SIGNALS PLATFORM LEVEL OVERALL PLAN 1 EL. 250'-0"	10/9/09
EG0134	PATH SIGNALS PLATFORM LEVEL OVERALL PLAN 4 EL. 250'-0"	10/9/09
EG0135	PATH SIGNALS PLATFORM LEVEL OVERALL PLAN 5 EL. 250'-0"	10/9/09
EG0136	PATH SIGNALS PLATFORM LEVEL OVERALL PLAN 6 EL. 250'-0"	10/9/09
EG0137	PATH SIGNALS PLATFORM LEVEL OVERALL PLAN 7 EL. 250'-0"	10/9/09
EG0701	PATH SIGNALS SECTIONS SHEET 1 OF 4	10/9/09
EG0702	PATH SIGNALS SECTIONS SHEET 2 OF 4	10/9/09
EG0703	PATH SIGNALS SECTIONS SHEET 3 OF 4	10/9/09
EG0704	PATH SIGNALS SECTIONS SHEET 4 OF 4	10/9/09
EG0705	INTERLOCKING SIGNAL WITH REVERSE AUTOMATIC SIGNAL	10/9/09
EG0706	AUTOMATIC SIGNAL	10/9/09
EG0707	AUTOMATIC SIGNAL WITH REVERSE INTERLOCKING SIGNAL	10/9/09
EG0708	INTERLOCKING SIGNAL	10/9/09
EG0709	REVERSE INTERLOCKING SIGNAL	10/9/09
EG0710	INTERLOCKING SIGNAL WITH REVERSE INTERLOCKING SIGNAL	10/9/09
EG0712	MISCELLANEOUS DETAILS	10/9/09
VOL 13	**MECHANICAL**	
	PART PLANS 1/16"=1'-0"	
M0122	CAR PARKING LEVEL OVERALL PLAN 2 EL. 237'-0"	10/9/09
M0124	INVERT LEVEL OVERALL PLAN 4 EL. 242'-0"	10/9/09
M0201	EQUIPMENT SCHEDULES SHEET No.1	7/1/10
M0202	EQUIPMENT SCHEDULES SHEET No.2	7/1/10
M0203	EQUIPMENT SCHEDULES SHEET No.3	6/10/10
M0204	EQUIPMENT SCHEDULES SHEET No.4	7/1/10
M0205	EQUIPMENT SCHEDULES SHEET No.5	7/1/10
M0206	EQUIPMENT SCHEDULES SHEET No.6	7/1/10
M0207	EQUIPMENT SCHEDULES SHEET No.7	7/1/10
M0301	AIR RISER DIAGRAM TOWER 1	6/10/10
M0302	AIR RISER DIAGRAM NORTH OCULUS AND GENERATOR BUILDING	7/1/10
M0303	AIR RISER DIAGRAM TOWER 3	6/10/10
M0304	AIR RISER DIAGRAM TOWER 4	6/10/10
M0305	AIR DISTRIBUTION DIAGRAM CENTRAL FAN PLANT	6/10/10
M0306	AIR FLOW DIAGRAM PATH OPERATION WEST BATHTUB MEZZANINE LEVEL	7/1/10
M0307	AIR FLOW DIAGRAMS PLATFORM LEVEL NORTH	4/1/10
M0308	AIR FLOW DIAGRAMS PLATFORM LEVEL SOUTH	4/1/10
M0309	AIR RISER DIAGRAMS STAIR PRESSURIZATION OCULUS	6/10/10
M0310	AIR RISER DIAGRAM STAIR PRESSURIZATION TOWER 4 & NORTH MEZZANINE	6/10/10
M0311	AIR RISER DIAGRAMS STAIR PRESSURIZATION SOUTH MEZZANINE, SOUTH AND NORTH PROJECTION	6/10/10
M0312	AIR FLOW DIAGRAM PLATFORM LEVEL	4/1/10
M0313	AIR FLOW DIAGRAM TRANSIT HALL	10/9/09
M0314	AIR FLOW DIAGRAM ELEVATORS	11/16/09
M0315	AIR FLOW DIAGRAM VOEC	6/10/10
M0316	AIR FLOW DIAGRAM OCULUS	6/10/10
M0317	AIR FLOW DIAGRAM CENTRAL FAN PLANT WEST	12/23/09
M0318	AIR RISER DIAGRAM UNDER 9X/ PAC	6/10/10
M0319	FM-200 AIR FLOW DIAGRAM STATION	4/1/10

Drawing	Title	Latest Date
M0401	FLOW DIAGRAMS PRIMARY/SECONDARY CHILLED WATER	10/9/09
M0402	FLOW DIAGRAMS STEAM AND CONDENSATE	7/1/10
M0404	HOT WATER AND CHILLED WATER RISER DIAGRAMS - 1	6/10/10
M0405	HOT WATER AND CHILLED WATER RISER DIAGRAMS - 2	6/10/10
M0406	HOT WATER AND CHILLED WATER RISER DIAGRAMS - 3	7/1/10
M0407	HOT WATER AND CHILLED WATER RISER DIAGRAMS - 4	12/23/09
M0408	FLOW DIAGRAMS FUEL OIL	2/1/10
M0505	DETAILS SHEET No. 5	10/9/09
M0509	DETAILS SHEET No. 9 AHU CENTRAL FAN PLANT	2/1/10
M0510	DETAILS SHEET No. 10 AHU CENTRAL FAN PLANT	2/1/10
M0511	DETAILS SHEET No. 11 AHU	2/1/10
M0601	OUTSIDE AIR SYSTEMS SERVING CENTRAL FAN PLANT AIR HANDLING UNITS	10/9/09
M0602	AIR HANDLING UNITS SERVING CONCOURSE AND MEZZANINE.	11/16/09
M0603	AIR HANDLING UNITS SERVING CONCOURSE AND MEZZANINE (CONT'D)	10/9/09
M0604	BACK OF HOUSE AIR HANDLING UNIT	11/16/09
M0605	SERVICE CORRIDORS AIR HANDLING UNIT	11/16/09
M0606	PLATFORM AIR HANDLING UNIT	10/9/09
M0607	EAST/WEST CONCOURSE AIR HANDLING UNIT	11/16/09
M0608	AIR HANDLING UNITS SERVING SPOT NETWORK	11/16/09
M0609	SPOT NETWORK ROOMS	10/9/09
M0610	SPOT NETWORK ROOMS (CONT'D)	10/9/09
M0611	OPERATIONS CONTROL CENTER AIR HANDLING UNIT	10/9/09
M0612	AIR HANDLING UNITS SERVING PRIMARY DISTRIBUTION CENTER ROOMS	10/9/09
M0613	PRIMARY DISTRIBUTION CENTER ROOMS	10/9/09
M0614	AIR HANDLING UNIT SERVING PATH OPERATION	10/9/09
M0615	AIR HANDLING UNIT SERVING EXISTING PATH SUBSTATION 03	10/9/09
M0616	AIR HANDLING UNIT SERVING PUBLIC SPACES SOUTH CONCOURSE	11/16/09
M0617	9A UNDERPASS AIR HANDLING UNIT	10/9/09
M0618	BACK OF HOUSE UNDER WEST STREET ESCALATOR AIR HANDLING UNIT	4/1/10
M0619	HEATING AND VENTILATING UNITS HV-1,HV-2, AND HV-3	11/16/09
M0620	HEATING AND VENTILATING UNIT HV-4	10/9/09
M0621	AIR CONDITIONING UNITS SERVING COMMUNICATIONS ROOMS AND MISC. MOTORIZED ISOLATION VALVES	6/10/10
M0622	MISCELLANEOUS AIR CONDITIONING SYSTEMS AND FAN COIL UNITS	6/10/10
M0623	VAV BOXES AND EXHAUST FANS	7/1/10
M0624	MISCELLANEOUS SYSTEMS INTEGRATION	7/1/10
M0625	SECONDARY CHILLED WATER SYSTEM	10/9/09
M0626	RADIANT FLOOR HEATING SYSTEM	10/9/09
M0627	HOT WATER HEATING SYSTEM	10/9/09
M0628	EMERGENCY CHILLED WATER SYSTEM	10/9/09
M0629	TERMINAL AND STATION DDC SYSTEM BLOCK DIAGRAM (1 OF 2)	7/1/10
M0630	TERMINAL AND STATION DDC SYSTEM BLOCK DIAGRAM (2 OF 2)	11/16/09
M0631	TERMINAL AND STATION DDC SYSTEM ARCHITECTURE (1 OF 2)	7/1/10
M0632	TERMINAL AND STATION DDC SYSTEM ARCHITECTURE (2 OF 2)	7/1/10
M0633	DETAIL SHEET NO. 1	10/9/09
M0634	DETAIL SHEET NO. 2	11/16/09
	PART PLANS 1/8"=1'-0"	
M1104	CENTRAL FAN PLANT LEVEL PART PLAN 4 EL. 229'-6"	6/10/10
M1105	CENTRAL FAN PLANT LEVEL PART PLAN 5 EL. 229'-6"	10/9/09
M1106	CENTRAL FAN PLANT LEVEL PART PLAN 6 EL. 229'-6"	12/23/09
M1113	UTILITY TUNNEL LEVEL PART PLAN 13 EL. 228'-0"	10/9/09
M1201	CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	2/1/10
M1202	CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
M1203	CAR PARKING LEVEL PART PLAN 3 EL. 237'-0"	6/10/10
M1204	CAR PARKING LEVEL PART PLAN 4 EL. 237'-0"	6/10/10
M1205	CAR PARKING LEVEL PART PLAN 5 EL. 237'-0"	6/10/10

Drawing	Title	Latest Date
M1206	CAR PARKING LEVEL PART PLAN 6 EL. 237'-0"	7/1/10
M1207	CAR PARKING LEVEL PART PLAN 7 EL. 237'-0"	2/1/10
M1208	CAR PARKING LEVEL PART PLAN 8 EL. 237'-0"	6/10/10
M1209	CAR PARKING LEVEL PART PLAN 9 EL. 237'-0"	6/10/10
M1210	CAR PARKING LEVEL PART PLAN 10 EL. 237'-0"	10/9/09
M1211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	6/10/10
M1212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
M1213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
M1214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	7/1/10
M1216	INVERT LEVEL PART PLAN 16 EL. 242'-0"	10/9/09
M1217	INVERT LEVEL PART PLAN 17 EL 242'-0"	11/16/09
M1218	INVERT LEVEL PART PLAN 18 EL. 242'-0"	11/16/09
M1219	INVERT LEVEL PART PLAN 19 EL. 242'-0"	11/16/09
M1301	BUS PARKING LEVEL PART PLAN 1 EL. 254'-0"	6/10/10
M1302	BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	7/1/10
M1303	BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	6/10/10
M1304	BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	7/1/10
M1305	BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	6/10/10
M1306	BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	6/10/10
M1307	BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	6/10/10
M1308	BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	4/1/10
M1310	BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	10/9/09
M1311	PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	6/10/10
M1312	PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	4/1/10
M1313	PLATFORM LEVEL PART PLAN 13 EL. 250'-0"	4/1/10
M1314	PLATFORM LEVEL PART PLAN 14 EL. 250'-0"	6/10/10
M1315	PLATFORM LEVEL PART PLAN 15 EL. 250'-0"	4/1/10
M1318	PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	4/1/10
M1319	PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	4/1/10
M1402	MEZZANINE LEVEL PART PLAN 2 EL. 266'-0"	4/1/10
M1404	MEZZANINE LEVEL PART PLAN 4 EL. 266'-0"	6/10/10
M1406	MEZZANINE LEVEL PART PLAN 6 EL. 266'-0"	4/1/10
M1410	MEZZANINE LEVEL PART PLAN 10 EL 266'-0"	6/10/10
M1416	MEZZANINE LEVEL PART PLAN 16 EL. 266'-0"	10/9/09
M1417	MEZZANINE LEVEL PART PLAN 17 EL. 266'-0"	10/9/09
M1418	MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	4/1/10
M1419	MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	6/10/10
M1502	TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	7/1/10
M1519	TRANSIT HALL LEVEL PART PLAN 19 EL. 274'-0"	4/1/10
M1612	WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'-0"	7/1/10
M1613	WEST STREET CONCOURSE LEVEL PART PLAN 13 EL. 284'-0"	10/9/09
M1618	WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 284'-0"	4/1/10
M1709	UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	4/1/10
M1714	UPPER TRANSIT HALL LEVEL PART PLAN 14 EL. 296'-0"	6/10/10
M1809	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	6/10/10
M1901	GROUND LEVEL PART PLAN 1 EL.326'	7/1/10
M1902	GROUND LEVEL PART PLAN 2 EL.326'	7/1/10
M1904	GROUND LEVEL PART PLAN 4 EL.326'	7/1/10
M1905	GROUND LEVEL PART PLAN 5 EL.326'	6/10/10
M1907	GROUND LEVEL PART PLAN 7 EL.326'	6/10/10
M1908	GROUND LEVEL PART PLAN 8 EL.326'	6/10/10
M1909	GROUND LEVEL PART PLAN 9 EL.326'	10/9/09

Drawing	Title	Latest Date
M1910	GROUND LEVEL PART PLAN 10 EL.326'	6/10/10
M2201	MEP LEVEL PART PLAN 1 EL. 386'-0"	6/10/10
M2202	MEP LEVEL PART PLAN 2 EL. 386'-0"	7/1/10
M2207	MEP LEVEL PART PLAN 7 EL. 386'-0"	6/10/10
M2208	MEP LEVEL PART PLAN 8 EL. 386'-0"	6/10/10
M2209	MEP LEVEL PART PLAN 9 EL. 386'-0"	4/1/10
M2210	MEP LEVEL PART PLAN 10 EL. 386'-0"	6/10/10
M2301	MEP LEVEL PART PLAN 1 EL. 404'-0"	6/10/10
M2302	MEP LEVEL PART PLAN 2 EL. 404'-0"	7/1/10
M2307	MEP LEVEL PART PLAN 7 EL. 404'-0"	6/10/10
M2308	MEP LEVEL PART PLAN 8 EL. 404'-0"	6/10/10
M2309	MEP LEVEL PART PLAN 9 EL. 404'-0"	6/10/10
	TRANSIT HALL - SECTIONS	
M3206	TRANSIT HALL NORTH CONCOURSE SECTIONS	7/1/10
M3207	SOUTH CONCOURSE MER T3 SECTIONS	10/9/09
M3209	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	7/1/10
M3210	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	10/9/09
M3211	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	10/9/09
M3212	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	6/10/10
M3213	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	10/9/09
M3214	TRANSIT HALL UNDER MTA-1 LINE SECTIONS	10/9/09
M3215	TOWER 4 - MECHANICAL ROOM SECTION	6/10/10
M3218	TOWER 2 SPOT NETWORK SECTIONS	10/9/09
M3220	TRANSIT HALL TYPICAL STAIR PRESSURIZATION SECTIONS	10/9/09
M3222	TRANSIT HALL SECTIONS	4/1/10
M3223	TRANSIT HALL SECTIONS	6/10/10
M3233	TRANSIT HALL SECTIONS	4/1/10
	STATION - SECTIONS	
M3501	STATION MEZZANINE NORTH - SOUTH AT D25 SECTION	4/1/10
M3502	STATION MEZZANINE SECTION	4/1/10
M3503	STATION STAIR PRESSURIZATION SECTIONS	6/10/10
M3504	STATION MEZZANINE NORTH - SOUTH AT D25 SECTION	4/1/10
M3505	STATION UTILITY TUNNEL LEVEL SECTIONS	7/1/10
M3511	STATION MER 285' SECTIONS	10/9/09
M3512	STATION MER 285' SECTIONS	10/9/09
M3513	STATION MER EL. 285' SECTIONS	7/1/10
M3514	STATION MER EL. 285' SECTIONS	7/1/10
M3515	STATION MER EL. 266' SECTIONS	7/1/10
M3516	STATION SECTIONS	4/1/10
M3517	STATION SECTIONS	7/1/10
M3518	STATION SECTIONS	12/23/09
M3523	STATION WEST STREET SECTION AT COL D53	4/1/10
M3524	STATION WEST STREET SECTION AT COL D65	4/1/10
M3525	STATION SECTIONS	11/16/09
M3526	STATION WEST STREET SECTION AND ELEVATIONS @ MERS	6/10/10
M3533	STATION WEST STREET SECTION AT COL D28	10/9/09
	COMMUNICATION ROOM DETAILS	
M6221	COMMUNICATION AND RADIO ROOMS PART PLANS AND SECTIONS	7/1/10
M6222	COMMUNICATION, RADIO AND ESCALATOR ROOMS DETAIL	6/10/10
M6223	COMMUNICATION PART PLANS AND SECTIONS	6/10/10
	OCC DETAILS	
M6241	STATION OCC PART PLAN AND SECTIONS	6/10/10

Drawing	Title	Latest Date
	STEAM METER ROOM DETAILS	
M6251	STEAM METER ROOM ELEVATION EL. 296' PART PLANS AND SECTIONS	7/1/10
	SPOT NETWORK DETAILS	
M6261	SPOT NETWORK PART PLAN	10/9/09
M6262	SPOT NETWORK SECTIONS	10/9/09
	MUSEUM PAVILION	
M6291	PATH HALL VENT SHAFT AT MUSEUM PAVILION	2/1/10
M8701	PART PLAN MECHANICAL LAYOUTS (EXISTING) TOWER 1	10/9/09
	MECHANICAL CONTROL	
	OVERALL PLANS 1/16"=1'-0"	
MC0112	CENTRAL PLANT LEVEL OVERALL PLAN 2 EL. 232'-0"	10/9/09
MC0114	CENTRAL PLANT LEVEL OVERALL PLAN 4 EL. 228'-0"	10/9/09
MC0122	CAR PARKING LEVEL OVERALL PLAN 2 EL. 237'-0"	10/9/09
MC0144	MEZZANINE LEVEL OVERALL PLAN 4 EL. 266'-0"	10/9/09
MC0152	TRANSIT HALL LEVEL OVERALL PLAN 2 EL. 274'-0"	7/1/10
MC0161	DEY STREET CONCOURSE LEVEL OVERALL PLAN 1 EL. 284'-0"/EL. 285'-0"	10/9/09
MC0164	DEY STREET CONCOURSE LEVEL OVERALL PLAN 4 EL. 284'-0"/EL. 285'-0"	10/9/09
MC0172	UPPER TRANSIT HALL LEVEL OVERALL PLAN 2 EL. 296'-0"	10/9/09
MC0181	PARTIAL UPPER TRANSIT HALL LEVEL PLAN OVERALL PLAN 1 EL. 306'-0"	10/9/09
MC0182	PARTIAL UPPER TRANSIT HALL LEVEL PLAN OVERALL PLAN 2 EL. 306'-0"	10/9/09
MC0191	GROUND LEVEL OVERALL PLAN 1 EL. 326'0"	10/9/09
MC0192	GROUND LEVEL OVERALL PLAN 2 EL. 326'0"	10/9/09
MC0193	GROUND LEVEL OVERALL PLAN 3 EL. 326'-0"	10/9/09
MC0221	ABOVE GROUND MEP LEVEL OVERALL PLAN 1 EL. 386'	10/9/09
MC0222	ABOVE GROUND MEP LEVEL OVERALL PLAN 2 EL. 386'	10/9/09
MC0223	ABOVE GROUND MEP LEVEL OVERALL PLAN 3 EL. 386'	10/9/09
MC0232	ABOVE GROUND MEP LEVEL OVERALL PLAN 2 EL. 404'	10/9/09
	MECHANICAL PIPING	
	PART PLANS 1/8"=1'-0"	
MP1106	CENTRAL PLANT LEVEL PART PLAN 6 EL. 229'-6"	6/10/10
MP1113	CENTRAL FAN PLANT LEVEL PART PLAN 13 EL. 228'-0"	6/10/10
MP1311	PLATFORM LEVEL PART PLAN 11 EL 250'-0"	6/10/10
MP1314	PLATFORM LEVEL PART PLAN 14 EL 250'-0"	10/9/09
MP1419	MEZZANINE LEVEL PART PLAN 19 EL 266'-0"	6/10/10
MP2208	ABOVE GROUND LEVEL PART PLAN 8 EL. 386'-0"	2/1/10
MP2210	ABOVE GROUND LEVEL PART PLAN 10 EL. 386'-0"	11/16/09
MP2308	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 404'-0"	2/1/10
	FIRE PROTECTION	
	GENERAL DRAWINGS	
FP0001	LEGEND ABBREVIATIONS & GENERAL NOTES	7/1/10
FP0201	FIRE PROTECTION EQUIPMENT & PUMP SCHEDULE	12/23/09
FP0202	SPFCA EQUIPMENT SCHEDULE	4/1/10
FP0203	FM-200 CALCULATION SCHEDULE	4/1/10
FP0301	FIRE PROTECTION RISER DIAGRAM EAST 1	10/9/09
FP0302	FIRE PROTECTION RISER DIAGRAM EAST 2	10/9/09
FP0303	FIRE PROTECTION RISER DIAGRAM EAST 3	4/1/10
FP0304	FIRE PROTECTION RISER DIAGRAM EAST 4	4/1/10
FP0305	FIRE PROTECTION RISER DIAGRAM WEST 1	10/9/09
FP0306	FIRE PROTECTION RISER DIAGRAM WEST 2	10/9/09
FP0307	FIRE PROTECTION MIST SYSTEM TRACK LEVEL	12/23/09

Drawing	Title	Latest Date
FP0308	GENERAL ARRANGEMENT SITE WIDE FIRE PROTECTION LOOP EL. - VARIES	10/9/09
FP0501	FIRE PROTECTION DETAIL SHEET	6/10/10
FP0502	FIRE PROTECTION DETAIL SHEET 2	11/16/09
FP0503	FM-200 DETAIL SHEET	10/9/09
FP0504	FOAM SYSTEM DETAIL NOTES AND SPECIFICATIONS	10/9/09
FP0505	PREACTION VALVE EQUIPMENT SCHEDULE & DETAILS	7/1/10
	PART PLANS 1/8"=1'-0"	
FP1104	CENTRAL PLANT LEVEL PART PLAN 4 EL. 228'-0"	10/9/09
FP1105	CENTRAL PLANT LEVEL PART PLAN 5 EL. 228'-0"	10/9/09
FP1106	CENTRAL PLANT LEVEL PART PLAN 6 EL. 228'-0"	11/16/09
FP1113	CENTRAL PLANT LEVEL PART PLAN 13 EL. 228'-0"	10/9/09
FP1201	CAR PARKING LEVEL PART PLAN 1 EL. 237'-0"	6/10/10
FP1202	CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
FP1204	CAR PARKING LEVEL PART PLAN 4 EL 237'-0"	4/1/10
FP1205	CAR PARKING LEVEL PART PLAN 5 EL 237'-0"	10/9/09
FP1206	CAR PARKING LEVEL PART PLAN 6 EL 237'-0"	10/9/09
FP1207	CAR PARKING LEVEL PART PLAN 7 EL 237'-0"	10/9/09
FP1209	CAR PARKING LEVEL PART PLAN 09 EL 242"-0"	10/9/09
FP1210	CAR PARKING LEVEL PART PLAN 10 EL 242"-0"	10/9/09
FP1211	INVERT LEVEL PART PLAN 11 EL. 242'-0"	10/9/09
FP1212	INVERT LEVEL PART PLAN 12 EL. 242'-0"	10/9/09
FP1213	INVERT LEVEL PART PLAN 13 EL. 242'-0"	10/9/09
FP1214	INVERT LEVEL PART PLAN 14 EL. 242'-0"	7/1/10
FP1215	INVERT LEVEL PART PLAN 15 EL. 242'-0"	10/9/09
FP1301	BUS PARKING LEVEL PART PLAN 1 EL. 264'-0"	10/9/09
FP1302	BUS PARKING LEVEL PART PLAN 2 EL. 254'-0"	4/1/10
FP1303	BUS PARKING LEVEL PART PLAN 3 EL. 254'-0"	4/1/10
FP1304	BUS PARKING LEVEL PART PLAN 4 EL. 254'-0"	7/1/10
FP1305	BUS PARKING LEVEL PART PLAN 5 EL. 254'-0"	10/9/09
FP1306	BUS PARKING LEVEL PART PLAN 6 EL. 254'-0"	11/16/09
FP1307	BUS PARKING LEVEL PART PLAN 7 EL. 254'-0"	10/9/09
FP1308	BUS PARKING LEVEL PART PLAN 8 EL. 254'-0"	10/9/09
FP1309	BUS PARKING LEVEL PART PLAN 9 EL. 254'-0"	10/9/09
FP1310	BUS PARKING LEVEL PART PLAN 10 EL. 254'-0"	10/9/09
FP1311	PLATFORM LEVEL PART PLAN 11 EL. 250'-0"	4/1/10
FP1312	PLATFORM LEVEL PART PLAN 12 EL. 250'-0"	10/9/09
FP1313	PLATFORM LEVEL PART PLAN 13 EL. 250'-0"	10/9/09
FP1314	PLATFORM LEVEL PART PLAN 14 EL. 250'-0"	7/1/10
FP1315	PLATFORM LEVEL PART PLAN 15 EL. 250'-0"	10/9/09
FP1318	PLATFORM LEVEL PART PLAN 18 EL. 250'-0"	10/9/09
FP1319	PLATFORM LEVEL PART PLAN 19 EL. 250'-0"	10/9/09
FP1402	MEZZANINE LEVEL PART PLAN 2 EL. 266'-0"	4/1/10
FP1404	MEZZANINE LEVEL PART PLAN 4 EL. 266'-0"	4/1/10
FP1406	MEZZANINE LEVEL PART PLAN 6 EL. 266'-0"	4/1/10
FP1410	MEZZANINE LEVEL PART PLAN 10 EL. 266'-0"	10/9/09
FP1411	MEZZANINE LEVEL PART PLAN 11 EL. 266'-0"	4/1/10
FP1412	MEZZANINE LEVEL PART PLAN 12 EL. 266'-0"	6/10/10
FP1413	MEZZANINE LEVEL PART PLAN 13 EL. 266'-0"	4/1/10
FP1414	MEZZANINE LEVEL PART PLAN 14 EL. 266'-0"	11/16/09
FP1415	MEZZANINE LEVEL PART PLAN 15 EL. 266'-0"	4/1/10
FP1418	MEZZANINE LEVEL PART PLAN 18 EL. 266'-0"	10/9/09
FP1419	MEZZANINE LEVEL PART PLAN 19 EL. 266'-0"	11/16/09
FP1501	TRANSIT HALL LEVEL PART PLAN 1 EL. 274'-0"	7/1/10
FP1502	TRANSIT HALL LEVEL PART PLAN 2 EL. 274'-0"	4/1/10
FP1503	TRANSIT HALL LEVEL PART PLAN 3 EL. 274'-0"	7/1/10
FP1504	TRANSIT HALL LEVEL PART PLAN 4 EL. 274'-0"	7/1/10
FP1505	TRANSIT HALL LEVEL PART PLAN 5 EL. 274'-0"	6/10/10
FP1506	TRANSIT HALL LEVEL PART PLAN 6 EL. 274'-0"	6/10/10

Drawing	Title	Latest Date
FP1507	PART PLAN 7 TRANSIT HALL LEVEL EL. 274'-0"	6/10/10
FP1508	PART PLAN 8 TRANSIT HALL LEVEL EL. 274'-0"	6/10/10
FP1509	PART PLAN 9 TRANSIT HALL LEVEL EL. 274'-0"	6/10/10
FP1510	PART PLAN 10 TRANSIT HALL LEVEL EL. 274'-0"	6/10/10
FP1519	PART PLAN 19 TRANSIT HALL LEVEL EL. 274'-0"	10/9/09
FP1603	DEY STREET CONCOURSE LEVEL PART PLAN 3 EL. 284'-0"	10/9/09
FP1605	DEY STREET CONCOURSE LEVEL PART PLAN 5 EL. 284'-0"	10/9/09
FP1611	WEST STREET CONCOURSE LEVEL PART PLAN 11 EL. 284'-0"	10/9/09
FP1612	WEST STREET CONCOURSE LEVEL PART PLAN 12 EL. 284'-0"	10/9/09
FP1613	DEY STREET CONCOURSE LEVEL PART PLAN 13 EL. 284'-0"	11/16/09
FP1614	DEY STREET CONCOURSE LEVEL PART PLAN 14 EL. 284'-0"	4/1/10
FP1615A	WEST STREET CONCOURSE LEVEL PUMP ROOM PART PLAN EL. 284'-0"	2/26/10
FP1615	WEST STREET CONCOURSE LEVEL PART PLAN 15 EL. 284'-0"	7/1/10
FP1618	WEST STREET CONCOURSE LEVEL PART PLAN 18 EL. 284'-0"	10/9/09
FP1619	WEST STREET CONCOURSE LEVEL PART PLAN 19 EL. 284'-0"	10/9/09
FP1701	UPPER TRANSIT HALL LEVEL PART PLAN 1 EL. 296'-0"	4/1/10
FP1701A	PART PLAN 1 UPPER TRANSIT HALL ENLARGED PUMP ROOM EL. 296'-0"	4/1/10
FP1702	UPPER TRANSIT HALL LEVEL PART PLAN 2 EL. 296'-0"	6/10/10
FP1703	UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 296'-0"	6/10/10
FP1704	UPPER TRANSIT HALL LEVEL PART PLAN 4 EL. 296'-0"	7/1/10
FP1705	UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 296'-0"	6/10/10
FP1706	UPPER TRANSIT HALL LEVEL PART PLAN 6 EL. 296'-0"	7/1/10
FP1707	UPPER TRANSIT HALL LEVEL PART PLAN 7 EL. 296'-0"	6/10/10
FP1708	UPPER TRANSIT HALL LEVEL PART PLAN 8 EL. 296'-0"	6/10/10
FP1709	UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 296'-0"	4/1/10
FP1710	UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 296'-0"	10/9/09
FP1719	UPPER TRANSIT HALL LEVEL PART PLAN 19 EL. 296'-0"	10/9/09
FP1801	LEVEL PART PLAN 1 PARTIAL UPPER TRANSIT HALL EL. 306'-0"	2/1/10
FP1803	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 3 EL. 306'-0"	6/10/10
FP1805	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 5 EL. 306'-0"	4/1/10
FP1807	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN EL. 306'-0"	10/9/09
FP1809	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 9 EL. 306'-0"	10/9/09
FP1810	PARTIAL UPPER TRANSIT HALL LEVEL PART PLAN 10 EL. 306'-0"	10/9/09
FP1901	PART PLAN 1 GROUND LEVEL EL. 326'-0"	10/9/09
FP1902	PART PLAN 2 GROUND LEVEL EL. 326'-0"	10/9/09
FP1903	GROUND LEVEL PART PLAN 3 EL. 326'-0"	2/1/10
FP1904	GROUND LEVEL PART PLAN 4 EL. 326'-0"	10/9/09
FP1905	GROUND LEVEL PART PLAN 5 EL. 326'-0"	6/10/10
FP1906	GROUND LEVEL PART PLAN 6 EL. 326'-0"	10/9/09
FP1907	GROUND LEVEL PART PLAN 7 EL. 326'-0"	10/9/09
FP1908	GROUND LEVEL PART PLAN 8 EL. 326'-0"	6/10/10
FP1909	PART PLAN 9 GROUND LEVEL EL. 326'-0"	10/9/09
FP1910	PART PLAN 10 GROUND LEVEL EL. 326'-0"	10/9/09
FP1912	GROUND LEVEL PART PLAN 12 EL. 326'-0"	10/9/09
FP1919	GROUND LEVEL PART PLAN 19 EL. 326'-0"	10/9/09
FP2208	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 386'-0"	10/9/09
FP2308	ABOVE GROUND MEP LEVEL PART PLAN 8 EL. 404'-0"	6/10/10
	SECTIONS	
FP3201	TRANSIT HALL CENTRAL PLANT SECTION 1	10/9/09
FP3202	TRANSIT HALL CENTRAL PLANT SECTION 2	10/9/09
FP3203	TRANSIT HALL CENTRAL PLANT SECTION 3	10/9/09
FP3207	SOUTH CONCOURSE MER T3 SECTIONS	10/9/09
FP3505	STATION SECTIONS THRU UTILITY LEVEL	4/1/10
FP3506	STATION SECTIONS AND DETAILS	10/9/09
	PLUMBING	
	GENERAL DRAWINGS	

Drawing	Title	Latest Date
P0307	PLUMBING SANITARY RISER DIAGRAM SHEET 5	4/1/10
	PART PLANS 1/8"=1'-0"	
P1202	CAR PARKING LEVEL PART PLAN 2 EL. 237'-0"	6/10/10
P1203	CAR PARKING LEVEL PART PLAN 3 EL. 237'-0"	2/1/10
VOL-16	**MECHANICAL**	
M102	NORTH PROJECTION FAN PLANT PLAN EL. 266'	12/23/09
M105	SOUTH PROJECTION PLAN PLANT PLAN EL. 270'	12/23/09
M107	NORTH & SOUTH PROJECTION FAN PLANT PART PLANS LE. 253' EQUIPMENT SCHEDULES AND SYMBOL LIST	10/9/09
M201	NORTH PROJECTION FAN PLANT SECTIONS	10/9/09
M202	SOUTH PROJECTION FAN PLANT SECTIONS	10/9/09
M203	RADIO AMPLIFIER ROOMS PART PLANS AND SECTIONS EL. 253'	12/23/09
M301	EQUIPMENT SCHEDULES & SEQUENCES OF OPERATIONS	10/9/09
M302	EQUIPMENT SCHEDULES & EQUIPMENT NOTES	12/23/09
M303	SEQUENCES OF OPERATION AND EQUIPMENT NOTES	12/23/09
P001	PLUMBING NOTES, SYMBOLS, ABBREVIATIONS, DETAILS & RISER DIAGRAMS	10/9/09
P101	NORTH PROJECTION FAN PLANT EL. 250', EL. 266' AND EL. 285' PART PLANS	10/9/09
P102	SOUTH PROJECTION FAN PLANT EL. 250', EL. 270' AND EL 288' PART PLANS	10/9/09
FP001	FIRE PROTECTION NOTES, SYMBOLS, ABBREVIATIONS & DETAILS	10/9/09
FP101	NORTH PROJECTION FAN PLANT EL. 250', EL. 266' AND EL. 285' PART PLANS & RISER DIAGRAM	10/9/09
FP102	SOUTH PROJECTION FAN PLANT EL 250', EL. 270' AND EL. 288' PART PLANS & RISER DIAGRAM	10/9/09
FP103	RADIO AMPLIFIER ROOMS FM 200 PART PLANS, LEGEND, DETAILS & NOTES	10/9/09
FP301	WEST STREET CONCOURSE PART PLAN EL. 250'-0"	10/9/09
FP601	EGRESS STAIRS PART PLANS FIRE PROTECTION	10/9/09
VOL-16	**ELECTRICAL**	
E005	NORTH AND SOUTH PROJECTION VENTILATION 15KV FEEDER PLAN SHEET 1 OF 3	10/9/09
E006	NORTH AND SOUTH PROJECTION VENTILATION 15KV FEEDER PLAN SHEET 2 OF 3	10/9/09
E007	NORTH AND SOUTH PROJECTION VENTILATION 15KV FEEDER PLAN SHEET 3 OF 3	10/9/09
E008	NORTH PROJECTION VENTILATION POWER RISER DIAGRAM	10/9/09
E009	NORTH PROJECTION VENTILATION ELECTRICAL ROOM EQUIPMENT PLAN AND SCHEDULE EL. 285'-0"	10/9/09
E010	NORTH PROJECTION VENTILATION ELECTRICAL ROOM POWER CONDUIT PLAN EL. 285'0"	10/9/09
E011	NORTH PROJECTION VENTILATION FAN ROOM EQUIPMENT AND POWER CONDUIT PLAN EL. 266'-0"	10/9/09
E013	NORTH PROJECTION VENTILATION ELECTRICAL ROOM SECTIONS EL. 285'-0"	10/9/09
E015A	NORTH PROJECTION SCADA SYSTEM RISER DIAGRAM PLC 3NX	10/9/09
E016	NORTH PROJECTION VENTILATION PLATFORM LEVEL POWER PLAN AND SECTIONS EL. 250'-0"	10/9/09
E019	NORTH PROJECTION VENTILATION EQUIPMENT DELIVERY/REMOVAL ROUTING PLAN	10/9/09
E020	WORLD TRADE CENTER SUBSTATION NO. 3 15KV FEEDER PLAN	10/9/09
E021	NORTH PROJECTION VENTILATION ELECTRICAL ROOM GROUNDING PLAN EL. 285'-0"	10/9/09
E022	NORTH PROJECTION VENTILATION FAN ROOM GROUDING PLAN EL. 266'-0"	10/9/09
E023	NORTH PROJECTION VENTILATION PLATFORM LEVEL GROUDING PLAN EL. 250'-0"	10/9/09
E025	NORTH PROJECTION VENTILATION ELECTRICAL ROOM LIGHTING PLAN EL. 285-'0"	10/9/09
E026	NORTH PROJECTION VENTILATION FAN ROOM LIGHTING PLAN EL. 266-0"	10/9/09
E027	NORTH PROJECTION VENTILATION PLATFORM LEVE LIGHTING PLAN EL. 250'-0"	10/9/09
E029	NORTH PROJECTION VENTILATION ELECTRICAL ROOM 120/208VAC &125VDC POWER AND CONTROL CDT PLAN EL. 285'-0"	10/9/09
E030	NORTH PROJECTION VENTILATION FAN ROOM 120/208VAC & 125VDC POWER AND CONT CONDUIT PLAN EL. 266'-0"	12/23/09
E031	NORTH PROJECTION VENTILATION PLATFORM LEVEL 120/208V POWER & CONTROL PLAN EL. 250'-0"	12/23/09
E034	NORTH PROJECTION VENTILATION HEAT TRACING SYSTEM PLAN AND DETAILS EL. 250'-0"	10/9/09
E038	NORTH PROJECTION VENTILATION FIRE ALARM PLAN EL. 285'-0"	10/9/09
E039	NORTH PROJECTION VENTILATION FIRE ALARM PLAN EL. 266'-0"	10/9/09
E040	NORTH PROJECTION VENTILATION FIRE ALARM PLAN EL. 250'-0"	10/9/09
E043	SOUTH PROJECTION VENTILATION POWER RISER DIAGRAM	10/9/09
E044	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM EQUIPMENT PLAN AND SCHEDULE EL., 288'-0"	10/9/09
E045	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM POWER CONDUIT PLAN EL. 286'-0"	10/9/09

Drawing	Title	Latest Date
E046	SOUTH PROJECTION FAN ROOM EQUIPMENT AND POWER CONDUIT PLAN EL. 270'-0"	12/23/09
E049	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM SECTIONS EL. 288'0"	10/9/09
E054	SOUTH PROJECTION VENTILATION EQUIPMENT DELIVERY/REMOVAL ROUTING PLAN	10/9/09
E055	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM GROUDING PLAN EL. 288'-0"	10/9/09
E056	SOUTH PROJECTION VENTILATION FAN ROOM GROUNDING PLAN EL. 270'-0"	10/9/09
E057	SOUTH PROJECTION VENTILATION PLATFORM LEVEL GROUNDING PLAN EL. 250'-0"	10/9/09
E058	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM LIGHTING PLAN EL. 288'-0"	10/9/09
E059	SOUTH PROJECTION VENTILATION FAN ROOM LIGHTING PLAN EL. 270'-0"	10/9/09
E060	SOUTH PROJECTION VENTILATION PLATFORM LEVEL LIGHTING PLAN EL. 250'-0"	10/9/09
E061	SOUTH PROJECTION VENTILATION ELECTRICAL ROOM 120/208VAC & 125VDC POWER AND CONTROL CDT PLAN EL. 288'-0"	10/9/09
E062	SOUTH PROJECTION VENTILATION FAN ROOM 120/208VAC &125VDC POWER AND CONT CONDUIT PLAN EL. 270'-0"	12/23/09
E063	SOUTH PROJECTION VENTILATION PLATFORM LEVEL 120/208VAC & 125VDC POWER PLAN EL. 253'-0"	12/23/09
E067	SOUTH PROJECTION VENTILATION PLATFORM LEVEL HEAT TRACING SYSTEM PLAN AND DETAILS	10/9/09
E071	SOUTH PROJECTION VENTILATION FIRE ALARM SYSTEM PLAN EL. 288'-0"	10/9/09
E072	SOUTH PROJECTION VENTILATION FIRE ALARM SYSTEM PLAN EL. 270'-0"	10/9/09
E073	SOUTH PROJECTION VENTILATION FIRE ALARM SYSTEM PLAN EL. 250'-0"	10/9/09
E075	SOUTH PROJECTION SCADA SYSTEM RISER DIAGRAM PLC 3SX	10/9/09
	COMMUNICATIONS	
EC001	TEMPORARY WTC PATH STATION FIBER-OPTIC CABLE RISER DIAGRAM	10/9/09
EC002	CONNECTIONS TO PATH UNIFIED SONET NETWORK BLOCK DIAGRAM	10/9/09
EC100	COMMUNICATIONS CABLE TROUGH ROUTING-INVERT LEVEL (EL. 242')	10/9/09
EC200	SUBSTATION 03 COMMUNICATION ROOM PART PLAN AND DETAILS	10/9/09
	SECURITY	
ES001	SACS AND CCTV RISER DIAGRAM	10/9/09
ES002	SACS AND CCTV ONE LINE DIAGRAM	10/9/09
ES201	SACS AND CCTV SDF LAYOUT	10/9/09
	RADIO	
ER001	RADIO SYSTEM ONE LINE DIAGRAM	10/9/09
ER101	NORTH PROJECTION FAN PLANT EL. 250' RADIO SYSTEM LOCATION PLAN	10/9/09
ER102	NORTH PROJECTION FAN PLANT EL. 266' RADIO SYSTEM LOCATION PLAN	10/9/09
ER103	NORTH PROJECTION FAN PLANT EL. 285' RADIO SYSTEM LOCATION PLAN	10/9/09
ER104	SOUTH PROJECTION FAN PLANT EL. 250' RADIO SYSTEM LOCATION PLAN	10/9/09
ER105	SOUTH PROJECTION FAN PLANT EL. 270' RADIO SYSTEM LOCATION PLAN	10/9/09
ER106	SOUTH PROJECTION FAN PLANT EL. 288' RADIO SYSTEM LOCATION PLAN	10/9/09
ER200	RADIO SYSTEM INSTALLATION DETAILS	10/9/09
VOL 19	STRUCTURAL - MTA CORTLANDT STREET STATION ROOF EXPANSION	
	GENERAL	
G102	INDEX OF DRAWINGS	2/1/10
S101	GENERAL NOTES	2/1/10
S102	STRUCTURAL GENERAL NOTES	2/1/10
	PLANS	
S103	ROOF DEMOLITION PLAN	2/1/10
S104	PLATFORM LEVEL DEMOLITION PLAN	2/1/10
S105	ROOF NEW FRAMING PLAN - 1	2/1/10
S106	ROOF NEW FRAMING PLAN - 2	2/1/10
S107	ROOF NEW FRAMING PLAN - 3	2/1/10
S108	PLATFORM LEVEL NEW FRAMING PLAN -1	2/1/10
S109	PLATFORM LEVEL NEW FRAMING PLAN -2	2/1/10
S110	PLATFORM LEVEL NEW FRAMING PLAN -3	2/1/10
S111	FOUNDATION PLAN - 1	2/1/10
S112	FOUNDATION PLAN - 2	2/1/10
S113	DEMOLITION SECTIONS AND DETAILS.	2/1/10
S114	TYPICAL SECTIONS AND DETAILS	2/1/10

Drawing	Title	Latest Date
S115	COLUMN SCHEDULE AND BASE DETAILS	2/1/10
S116	SECTIONS AND DETAILS - 1	2/1/10
S117	SECTIONS AND DETAILS - 2	2/1/10
S118	SECTIONS AND DETAILS - 3	2/1/10
S119	SECTIONS AND DETAILS - 4	2/1/10
S120	SECTIONS AND DETAILS 4	2/1/10
S121	BRACING ELEVATIONS AND DETAILS	2/1/10
VOL 20	STRUCTURAL	
S2000	WBVA-GENERAL NOTES, LIST OF DRAWINGS, ABBREVIATIONS, LEGEND, AND DRAWING CONVENTIONS	12/23/09
S2001	WBVA-GENERAL STRUCTURAL NOTES	12/23/09
S2002	WBVA-FOUNDATION PLAN	12/23/09
S2003	WBVA-GENERAL ARRANGEMENT PLAN AT EL. 250'-0"	12/23/09
S2004	WBVA-TYPICAL FOUNDATION DETAILS 1	12/23/09
S2005	WBVA-TYPICAL FOUNDATION DETAILS 2	12/23/09
S2006	WBVA-FOUNDATION SECTIONS	12/23/09
S2007	WBVA-GENERAL FOUNDATION LOCATION PLAN	12/23/09
S2008	WBVA-SHEARWALL REINFORCEMENT DETAILS	12/23/09
S2009	WBVA-COLUMN SCHEDULE AND DETAILS	12/23/09
S2010	WBVA-SHEARWALL ELEVATIONS	12/23/09
S2011	WBVA-TEMPORARY FRAMING GENERAL ARRANGEMENT PLAN	12/23/09
S2012	WBVA-TEMPORARY FRAMING PARTIAL PLANS AND DETAILS	12/23/09
VOL 20	DEMOLITION	
DS-1	EXISTING SLAB AT EL. 264' DEMOLITION PLAN	12/23/09
VOL 20	ELECTRICAL	
ED0010	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING PLAN, NOTES AND LEGEND	12/23/09
ED0011	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING WIRING DIAGRAM	12/23/09
ED0012	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING DETAILS SHEET 1	12/23/09
ED0013	WBVA-CORROSION CONTROL-STRAY CURRENT MONITORING DETAILS SHEET 2	12/23/09
ED0014	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING DETAILS SHEET 3	12/23/09
ED0015	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING DETAILS SHEET 4	12/23/09
ED0016	WBVA-CORROSION CONTROL STRAY CURRENT MONITORING DETAILS SHEET 5	12/23/09
	OCULUS DRAWINGS	
VOL 2	GENERAL - OCULUS	
G0002	TITLE SHEET VOLUME 2	4/1/10
G2001	INDEX OF DRAWINGS VOLUME 1	4/1/10
G2002	INDEX OF DRAWINGS VOLUME 2	4/1/10
G2003	INDEX OF DRAWINGS VOLUME 3	4/1/10
G3001	GENERAL NOTES	4/1/10
G3019	GENERAL SITE PLAN GROUND LEVEL PLAN EL. 326'	4/1/10
G3022	GENERAL SITE PLAN ABOVE GROUND MEP LEVEL PLAN EL. 386'	4/1/10
VOL 2	ARCHITECTURAL - OCULUS	
	TRANSIT HALL DRAWINGS - GENERAL	
A1903	GROUND LEVEL PLAN EL. 317'/324'	4/1/10
A5849	GROUND LEVEL REFLECTED CEILING PLAN EL. 317'/324'	4/1/10
VOL 2	TRUCTURAL - OCULUS	

Drawing	Title	Latest Date
	GENERAL	
S5001	STRUCTURAL ABBREVIATIONS, LEGEND, AND DRAWING CONVENTIONS	4/1/10
S5002	OCULUS GENERAL AND SPECIFICATION NOTES	4/1/10
S5003	OCULUS GEOMETRY 1	4/1/10
S5004	OCULUS GEOMETRY 2	4/1/10
S5011	OCULUS UPPER TRANSIT HALL OVERALL PLAN 2 EL 296'	4/1/10
S5012	OCULUS GROUND LEVEL OVERALL PLAN 2	4/1/10
S5013	OCULUS SLAB LOADING MAP UPPER TRANSIT HALL LEVEL 296'	4/1/10
S5014	OCULUS UPPER TRANSIT HALL LEVEL PLAN 03 EL 296'	4/1/10
S5015	OCULUS UPPER TRANSIT HALL LEVEL SLAB PART PLAN 03 EL 296'	4/1/10
S5016	OCULUS UPPER TRANSIT HALL LEVEL PLAN 04 EL 296'	4/1/10
S5017	OCULUS UPPER TRANSIT HALL LEVEL SLAB PART PLAN 04 EL 296'	4/1/10
S5018	OCULUS UPPER TRANSIT HALL LEVEL PLAN 05 EL 296'	4/1/10
S5019	OCULUS UPPER TRANSIT HALL LEVEL SLAB PART PLAN 05 EL 296'	4/1/10
S5020	OCULUS UPPER TRANSIT HALL LEVEL PLAN 06 EL 296'	4/1/10
S5021	OCULUS UPPER TRANSIT HALL LEVEL SLAB PART PLAN 06 EL 296'	4/1/10
S5022	OCULUS GROUND LEVEL PART PLAN 03	4/1/10
S5023	OCULUS GROUND LEVEL SLAB PART PLAN 03	4/1/10
S5024	OCULUS GROUND LEVEL PART PLAN 04	4/1/10
S5025	OCULUS GROUND LEVEL SLAB PART PLAN 04	4/1/10
S5026	OCULUS GROUND LEVEL PART PLAN 05	4/1/10
S5027	OCULUS GROUND LEVEL SLAB PART PLAN 05	4/1/10
S5028	OCULUS GROUND LEVEL PART PLAN 06	4/1/10
S5029	OCULUS GROUND LEVEL SLAB PART PLAN 06	4/1/10
S5041	OCULUS RAFTERS OVERVIEW	4/1/10
S5061	OCULUS ELEVATION NORTH	4/1/10
S5071	OCULUS ELEVATION SOUTH	4/1/10
	OCULUS PORTAL FRAMES BELOW GRADE LEVEL	
S5101	OCULUS PORTAL FRAMES BELOW GRADE OVERVIEW	
S5102	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +12	4/1/10
S5103	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +11A	4/1/10
S5104	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +11	4/1/10
S5105	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +10A	4/1/10
S5106	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +10	4/1/10
S5107	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +9A	4/1/10
S5108	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +9	4/1/10
S5109	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +8A	4/1/10
S5110	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +8	4/1/10
S5111	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +7A	4/1/10
S5112	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +7	4/1/10
S5113	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +6A	4/1/10
S5114	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +6	4/1/10
S5115	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +5A	4/1/10
S5116	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +5	4/1/10
S5117	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +4A	4/1/10
S5118	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +4	4/1/10
S5119	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +3A	4/1/10
S5120	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +3	4/1/10
S5121	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +2A	4/1/10
S5122	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +2	4/1/10
S5123	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +1A	4/1/10
S5124	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +1	4/1/10
S5125	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +0A	4/1/10
S5126	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS +0	4/1/10
S5127	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -0A	4/1/10
S5128	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -1	4/1/10
S5129	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -1A	4/1/10

Drawing	Title	Latest Date
S5130	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -2	4/1/10
S5131	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -2A	4/1/10
S5132	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -3	4/1/10
S5133	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -3A	4/1/10
S5134	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -4	4/1/10
S5135	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -4A	4/1/10
S5136	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -5	4/1/10
S5137	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -5A	4/1/10
S5138	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -6	4/1/10
S5139	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -6A	4/1/10
S5140	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -7	4/1/10
S5141	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -7A	4/1/10
S5142	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -8	4/1/10
S5143	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS -8A	4/1/10
S5144	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS -9	4/1/10
S5145	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS -9A	4/1/10
S5146	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -10	4/1/10
S5147	OCULUS PORTAL FRAMES BELOW GRADE SECTION @ AXIS -10A	4/1/10
S5148	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -11	4/1/10
S5149	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -11A	4/1/10
S5150	OCULUS PORTAL FRAME BELOW GRADE SECTION @ AXIS -12	4/1/10
	OCULUS PORTAL FRAMES ABOVE GRADE LEVEL	
S5201	OCULUS PORTAL FRAME ABOVE GRADE OVERVIEW	
S5203	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +13A	4/1/10
S5204	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +13	4/1/10
S5205	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +12A	4/1/10
S5206	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +12	4/1/10
S5207	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +11A	4/1/10
S5208	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +11	4/1/10
S5209	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +10A	4/1/10
S5210	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +10	4/1/10
S5211	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +9A	4/1/10
S5212	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +9	4/1/10
S5213	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +8A	4/1/10
S5214	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +8	4/1/10
S5215	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +7A	4/1/10
S5216	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +7	4/1/10
S5217	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +6A	4/1/10
S5218	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +6	4/1/10
S5219	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +5A	4/1/10
S5220	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +5	4/1/10
S5221	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +4A	4/1/10
S5222	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +4	4/1/10
S5223	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +3A	4/1/10
S5224	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +3	4/1/10
S5225	OCULUS PORTAL FRAMES ABOVE GRADE SECTION @ AXIS +2A	4/1/10
S5226	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +2	4/1/10
S5227	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +1A	4/1/10
S5228	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +1	4/1/10
S5229	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS +0A	4/1/10
S5230	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS 0	4/1/10
S5231	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -0A	4/1/10
S5232	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -1	4/1/10
S5233	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -1A	4/1/10
S5234	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -2	4/1/10
S5235	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -2A	4/1/10
S5236	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -3	4/1/10
S5237	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -3A	4/1/10

Drawing	Title	Latest Date
S5238	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -4	4/1/10
S5239	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -4A	4/1/10
S5240	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -5	4/1/10
S5241	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -5A	4/1/10
S5242	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -6	4/1/10
S5243	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -6A	4/1/10
S5244	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -7	4/1/10
S5245	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -7A	4/1/10
S5246	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-8	4/1/10
S5247	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-8A	4/1/10
S5248	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-9	4/1/10
S5249	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-9A	4/1/10
S5250	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-10	4/1/10
S5251	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-10A	4/1/10
S5252	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-11	4/1/10
S5253	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-11A	4/1/10
S5254	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS-12	4/1/10
S5255	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -12A	4/1/10
S5256	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -13	4/1/10
S5257	OCULUS PORTAL FRAME ABOVE GRADE SECTION @ AXIS -13A	4/1/10
	OCULUS RAFTER/PORTAL FRAME TRANSITION ZONE	
S5301	OCULUS RAFTER/PORTAL FRAMES TRANSITION OVERVIEW	
S5302	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +14	4/1/10
S5303	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +13A	4/1/10
S5304	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +13	4/1/10
S5305	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +12A	4/1/10
S5306	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +12	4/1/10
S5307	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +11A	4/1/10
S5308	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +11	4/1/10
S5309	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +10A	4/1/10
S5310	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +10	4/1/10
S5311	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +9A	4/1/10
S5312	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +9	4/1/10
S5313	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +8A	4/1/10
S5314	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +8	4/1/10
S5315	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +7A	4/1/10
S5316	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +7	4/1/10
S5317	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +6A	4/1/10
S5318	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +6	4/1/10
S5319	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +5A	4/1/10
S5320	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +5	4/1/10
S5321	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +4A	4/1/10
S5322	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +4	4/1/10
S5323	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +3A	4/1/10
S5324	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +3	4/1/10
S5325	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +2A	4/1/10
S5326	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +2	4/1/10
S5327	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +1A	4/1/10
S5328	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +1	4/1/10
S5329	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS +0A	4/1/10
S5330	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS 0	4/1/10
S5331	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -0A	4/1/10
S5332	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -1	4/1/10
S5333	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -1A	4/1/10
S5334	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -2	4/1/10
S5335	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -2A	4/1/10
S5336	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -3	4/1/10
S5337	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -3A	4/1/10

Drawing	Title	Latest Date
S5338	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -4	4/1/10
S5339	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -4A	4/1/10
S5340	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -5	4/1/10
S5341	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -5A	4/1/10
S5342	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -6	4/1/10
S5343	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -6A	4/1/10
S5344	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -7	4/1/10
S5345	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -7A	4/1/10
S5346	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -8	4/1/10
S5347	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -8A	4/1/10
S5348	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -9	4/1/10
S5349	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -9A	4/1/10
S5350	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -10	4/1/10
S5351	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -10A	4/1/10
S5352	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -11	4/1/10
S5353	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -11A	4/1/10
S5354	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -12	4/1/10
S5355	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -12A	4/1/10
S5356	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -13	4/1/10
S5357	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -13A	4/1/10
S5358	OCULUS RAFTER/PORTAL FRAMES TRANSITION SECTION @ AXIS -14	4/1/10
VOL 3	STRUCTURAL - OCULUS	
	OCULUS RAFTERS	
S5401	OCULUS RAFTERS & PURLINS OVERVIEW	4/1/10
S5410	OCULUS RAFTERS @ AXIS+14	4/1/10
S5411	OCULUS RAFTERS @ AXIS +13A	4/1/10
S5412	OCULUS RAFTERS @ AXIS +13	4/1/10
S5413	OCULUS RAFTERS @ AXIS +12A	4/1/10
S5414	OCULUS RAFTERS @ AXIS +12	4/1/10
S5415	OCULUS RAFTERS @ AXIS +11A	4/1/10
S5416	OCULUS RAFTERS @ AXIS +11	4/1/10
S5417	OCULUS RAFTERS @ AXIS +10A	4/1/10
S5418	OCULUS RAFTERS @ AXIS +10	4/1/10
S5419	OCULUS RAFTERS @ AXIS +9A	4/1/10
S5420	OCULUS RAFTERS @ AXIS +9	4/1/10
S5421	OCULUS RAFTERS @ AXIS +8A	4/1/10
S5422	OCULUS RAFTERS @ AXIS +8	4/1/10
S5423	OCULUS RAFTERS @ AXIS +7A	4/1/10
S5424	OCULUS RAFTERS @ AXIS +7	4/1/10
S5425	OCULUS RAFTERS @ AXIS +6A	4/1/10
S5426	OCULUS RAFTERS @ AXIS +6	4/1/10
S5427	OCULUS RAFTERS @ AXIS +5A	4/1/10
S5428	OCULUS RAFTERS @ AXIS +5	4/1/10
S5429	OCULUS RAFTERS @ AXIS +4A	4/1/10
S5430	OCULUS RAFTERS @ AXIS +4	4/1/10
S5431	OCULUS RAFTERS @ AXIS +3A	4/1/10
S5432	OCULUS RAFTERS @ AXIS +3	4/1/10
S5433	OCULUS RAFTERS @ AXIS +2A	4/1/10
S5434	OCULUS RAFTERS @ AXIS +2	4/1/10
S5435	OCULUS RAFTERS @ AXIS +1A	4/1/10
S5436	OCULUS RAFTERS @ AXIS +1	4/1/10
S5437	OCULUS RAFTERS @ AXIS +0A	4/1/10
S5438	OCULUS RAFTERS @ AXIS 0	4/1/10
S5439	OCULUS RAFTERS @ AXIS -0A	4/1/10
S5440	OCULUS RAFTERS @ AXIS -1	4/1/10
S5441	OCULUS RAFTERS @ AXIS -1A	4/1/10
S5442	OCULUS RAFTERS @ AXIS -2	4/1/10

Drawing	Title	Latest Date
S5443	OCULUS RAFTERS @ AXIS -2A	4/1/10
S5444	OCULUS RAFTERS @ AXIS -3	4/1/10
S5445	OCULUS RAFTERS @ AXIS -3A	4/1/10
S5446	OCULUS RAFTERS @ AXIS -4	4/1/10
S5447	OCULUS RAFTERS @ AXIS -4A	4/1/10
S5448	OCULUS RAFTERS @ AXIS -5	4/1/10
S5449	OCULUS RAFTERS @ AXIS -5A	4/1/10
S5450	OCULUS RAFTERS @ AXIS -6	4/1/10
S5451	OCULUS RAFTERS @ AXIS -6A	4/1/10
S5452	OCULUS RAFTERS @ AXIS -7	4/1/10
S5453	OCULUS RAFTERS @ AXIS -7A	4/1/10
S5454	OCULUS RAFTERS @ AXIS -8	4/1/10
S5455	OCULUS RAFTERS @ AXIS -8A	4/1/10
S5456	OCULUS RAFTERS @ AXIS -9	4/1/10
S5457	OCULUS RAFTERS @ AXIS -9A	4/1/10
S5458	OCULUS RAFTERS @ AXIS -10	4/1/10
S5459	OCULUS RAFTERS @ AXIS -10A	4/1/10
S5460	OCULUS RAFTERS @ AXIS -11	4/1/10
S5461	OCULUS RAFTERS @ AXIS -11A	4/1/10
S5462	OCULUS RAFTERS @ AXIS -12	4/1/10
S5463	OCULUS RAFTERS @ AXIS -12A	4/1/10
S5464	OCULUS RAFTERS @ AXIS -13	4/1/10
S5465	OCULUS RAFTERS @ AXIS -13A	4/1/10
S5466	OCULUS RAFTERS @ AXIS -14	4/1/10
S5570	OCULUS RAFTERS NORTH PLATE THICKNESSES 1	4/1/10
S5571	OCULUS RAFTERS NORTH PLATE THICKNESSES 2	4/1/10
S5572	OCULUS RAFTERS SOUTH PLATE THICKNESSES	4/1/10
	OCULUS PURLINS	
S5580	OCULUS PURLINS NORTH ANGLES AND GUIDELINES COORDINATES	4/1/10
S5581	OCULUS PURLINS SOUTH ANGLES AND GUIDELINES COORDINATES	4/1/10
S5582	OCULUS PURLINS PLATE THICKNESS	4/1/10
	OCULUS MAIN ARCH	
S5601	OCULUS MAIN ARCH NORTH OVERVIEW & GEOMETRY (I)	4/1/10
S5602	OCULUS MAIN ARCH NORTH OVERVIEW & GEOMETRY (II)	4/1/10
S5603	OCULUS MAIN ARCH SOUTH OVERVIEW & GEOMETRY (I)	4/1/10
S5604	OCULUS MAIN ARCH SOUTH OVERVIEW & GEOMETRY (II)	4/1/10
S5611	OCULUS MAIN ARCH NORTH AXIS +14 TO +12	4/1/10
S5612	OCULUS MAIN ARCH NORTH AXIS +12 TO +9	4/1/10
S5613	OCULUS MAIN ARCH NORTH AXIS +9 TO +6	4/1/10
S5614	OCULUS MAIN ARCH NORTH AXIS +6 TO +2	4/1/10
S5615	OCULUS MAIN ARCH NORTH AXIS +2 TO -2	4/1/10
S5616	OCULUS MAIN ARCH NORTH AXIS -2 TO -6	4/1/10
S5617	OCULUS MAIN ARCH NORTH AXIS -6 TO -9	4/1/10
S5618	OCULUS MAIN ARCH NORTH AXIS -9 TO -12	4/1/10
S5619	OCULUS MAIN ARCH NORTH AXIS -12 TO -14	4/1/10
S5631	OCULUS MAIN ARCH SOUTH AXIS -14 TO -12	4/1/10
S5632	OCULUS MAIN ARCH SOUTH AXIS -12 TO -9	4/1/10
S5633	OCULUS MAIN ARCH SOUTH AXIS -9 TO -6	4/1/10
S5634	OCULUS MAIN ARCH SOUTH AXIS -6 TO -2	4/1/10
S5635	OCULUS MAIN ARCH SOUTH AXIS -2 TO +2	4/1/10
S5636	OCULUS MAIN ARCH SOUTH AXIS +2 TO +6	4/1/10
S5637	OCULUS MAIN ARCH SOUTH AXIS +6 TO +9	4/1/10
S5638	OCULUS MAIN ARCH SOUTH AXIS +9 TO +12	4/1/10
S5639	OCULUS MAIN ARCH SOUTH AXIS +12 TO +14	4/1/10
	OCULUS ABUTMENTS	

Drawing	Title	Latest Date
S5701	OCULUS WEST ABUTMENT KEY PLAN	4/1/10
S5701-1	OCULUS WEST ABUTMENT KEY PLAN 2	4/1/10
S5702	OCULUS WEST ABUTMENT GEOMETRY 1 STRUCTURAL PLATES	4/1/10
S5703	OCULUS WEST ABUTMENT GEOMETRY 2 STRUCTURAL PLATES	4/1/10
S5704	OCULUS WEST ABUTMENT GEOMETRY 3 STRUCTURAL PLATES	4/1/10
S5705	OCULUS WEST ABUTMENT GEOMETRY 4 STRUCTURAL PLATES	4/1/10
S5706	OCULUS WEST ABUTMENT GEOMETRY 5 RAFTER -14 TRANSITION	4/1/10
S5707	OCULUS WEST ABUTMENT GEOMETRY 6 SHELL PLATES	4/1/10
S5708	OCULUS WEST ABUTMENT GEOMETRY 7 SHELL PLATES	4/1/10
S5709	OCULUS WEST ABUTMENT GEOMETRY 8 SHELL PLATES	4/1/10
S5710	OCULUS WEST ABUTMENT GEOMETRY 9 SHELL PLATES	4/1/10
S5711	OCULUS WEST ABUTMENT SECTIONS 1	4/1/10
S5712	OCULUS WEST ABUTMENT SECTIONS 2	4/1/10
S5713	OCULUS WEST ABUTMENT SECTIONS 3	4/1/10
S5714	OCULUS WEST ABUTMENT SECTIONS 4	4/1/10
S5715	OCULUS WEST ABUTMENT SECTIONS 5	4/1/10
S5751	OCULUS EAST ABUTMENT KEY PLAN	4/1/10
S5751-1	OCULUS EAST ABUTMENT KEY PLAN 2	4/1/10
S5752	OCULUS EAST ABUTMENT GEOMETRY 1 STRUCTURAL PLATES	4/1/10
S5753	OCULUS EAST ABUTMENT GEOMETRY 2 STRUCTURAL PLATES	4/1/10
S5754	OCULUS EAST ABUTMENT GEOMETRY 3 STRUCTURAL PLATES	4/1/10
S5755	OCULUS EAST ABUTMENT GEOMETRY 4 STRUCTURAL PLATES	4/1/10
S5756	OCULUS EAST ABUTMENT GEOMETRY 5 RAFTER +14 TRANSITION	4/1/10
S5757	OCULUS EAST ABUTMENT GEOMETRY 6 STRUCTURAL PLATES	4/1/10
S5758	OCULUS EAST ABUTMENT GEOMETRY 7 STRUCTURAL PLATES	4/1/10
S5759	OCULUS EAST ABUTMENT GEOMETRY 8 STRUCTURAL PLATES	4/1/10
S5760	OCULUS EAST ABUTMENT GEOMETRY 9 STRUCTURAL PLATES	4/1/10
S5761	OCULUS EAST ABUTMENT SECTIONS 1	4/1/10
S5762	OCULUS EAST ABUTMENT SECTIONS 2	4/1/10
S5763	OCULUS EAST ABUTMENT SECTIONS 3	4/1/10
S5764	OCULUS EAST ABUTMENT SECTIONS 4	4/1/10
S5765	OCULUS EAST ABUTMENT SECTIONS 5	4/1/10
	OCULUS DETAILS	
S5901	OCULUS PORTAL FRAME BELOW GRADE DETAILS 1	4/1/10
S5902	OCULUS PORTAL FRAME BELOW GRADE DETAILS 2	4/1/10
S5903	OCULUS PORTAL FRAME BELOW GRADE DETAILS 3	4/1/10
S5904	OCULUS PORTAL FRAME BELOW GRADE DETAILS 4	4/1/10
S5905	OCULUS PORTAL FRAME BELOW GRADE DETAILS 5	4/1/10
S5911	OCULUS PORTAL FRAME ABOVE GRADE DETAILS	4/1/10
S5927	OCULUS RAFTER/PORTAL FRAME TRANSITION DETAILS	4/1/10
S5929	OCULUS RAFTER/PORTAL FRAME CONNECTION	4/1/10
S5944	OCULUS RAFTERS AXIS +/-14 DETAILS 1	4/1/10
S5945	OCULUS RAFTERS AXIS +/-14 DETAILS 2	4/1/10
S5946	OCULUS RAFTER/PURLIN FRAME CONNECTION	4/1/10
S5947	OCULUS RAFTER/PURLIN AXIS +/14S & - 14N	4/1/10
S5948	OCULUS RAFTERS SECTIONS AND DETAILS 1	4/1/10
S5952	OCULUS PURLIN LIGHTS	4/1/10
S5961	OCULUS MAIN ARCH NORTH DETAILS	4/1/10
S5971	OCULUS WEST ABUTMENT DETAILS 1	4/1/10
S5972	OCULUS EAST ABUTMENT DETAILS 1	4/1/10
S5973	OCULUS WEST ABUTMENT DETAILS 2	4/1/10
S5974	OCULUS WEST ABUTMENT DETAILS 3	4/1/10
S5975	OCULUS EAST ABUTMENT DETAILS 2	4/1/10
S5976	OCULUS EAST ABUTMENT DETAILS 3	4/1/10

Drawing	Title	Latest Date
S5977	OCULUS ABUTMENT DETAILS 1	4/1/10
S5978	OCULUS WEST ABUTMENT DETAILS 2	4/1/10
S5979	OCULUS EAST ABUTMENT DETAILS 3	4/1/10
S5980	OCULUS WEST ABUTMENT DETAILS 4 RAFTER -14 TRANSITION ZONE	4/1/10
S5981	OCULUS EAST ABUTMENT RAFTER +14 TRANSITION ZONE	4/1/10
VOL3	CONSTRUCTION PHASING - OCULUS	
CSS500	OCULUS ERECTION GENERAL NOTES	4/1/10
CSS501	OCULUS GENERAL ERECTION SEQUENCE 1	4/1/10
CSS502	OCULUS GENERAL ERECTION SEQUENCE 2	4/1/10
CSS503	OCULUS GENERAL ERECTION SEQUENCE 3	4/1/10
CSS504	OCULUS GENERAL ERECTION SEQUENCE 4	4/1/10
CSS505	OCULUS GENERAL ERECTION SEQUENCE 5	4/1/10
CSS506	OCULUS GENERAL ERECTION SEQUENCE 6	4/1/10
CSS507	OCULUS GENERAL ERECTION SEQUENCE 7	4/1/10
CSS508	OCULUS GENERAL ERECTION SEQUENCE 8	4/1/10
CSS509	OCULUS GENERAL ERECTION SEQUENCE 9	4/1/10
CSS521	OCULUS KEY POINTS 1	4/1/10
CSS522	OCULUS KEY POINTS 2	4/1/10
CSS523	OCULUS KEY POINTS DISPLACEMENT	4/1/10

Attachment M
Specifications (UNRESTRICTED)
World Trade Center Site - Transportation Hub
New York City, NY

July 1, 2010

Section	Title	Latest Date
VOL 1	DIVISION 1 - GENERAL REQUIREMENTS	
01352	Sustainable Design Requirements	5/21/09
01522	PATH Hall Temporary Works	1/15/09
VOL 1	DIVISION 2 - SITE WORK	
02050	Demolition and Disposal	11/16/07
02051	Partial Removals at Building Exteriors	11/16/07
02052	Pre-Construction Condition Survey of Existing Structures	3/21/09
02073	Cutting, Patching and Removal	10/16/07
02076	Selective Demolition for Interiors	9/27/07
02078	Interior Removal	1/4/08
02145	Dewatering	11/13/07
02151	Jacking and Temporary Shoring Assembly	10/16/07
02164	Prestressed Soil and Rock Anchors	3/21/08
02220	Trenching and Backfilling for Utilities	12/17/07
02221	Excavation, Backfilling and Filling	12/10/07
02224	Rock Excavation	1/14/08
02228	Instrumentation for Settlement and Ground Water Observations	6/13/08
02229	Instrumentation	6/13/08
02231	Aggregate Base Course	12/26/07
02274	Geotextiles	11/15/07
02331	Flowable Fill	12/26/07
02366	Steel Sheet Piling	7/15/93
02378	Mini-Caisson Piles	6/13/08
02391	Protective Coating for Steel Piling	5/31/01
02453	Open Area Trackwork (PATH Rail Transit)	12/19/95
02466	Ballast, Surface and Align Track	10/30/96
02553	Asphalt Concrete Paving	10/16/07
02610	Exterior Sanitary Sewer System	12/14/95
02665	Exterior Water Supply System-Ductile Iron Pipe for New York Facilities	4/18/02
02711	Subdrainage System	10/16/07
02720	Manholes and Drainage Structures	11/15/07
02722	Storm Drainage System (Infiltration/Exfiltration Testing Not Required)	10/16/07
02896	Environmental Requirements for Handling and Disposal of Soil Materials	9/25/96
VOL 1	DIVISION 3 - CONCRETE	
03100	Concrete Formwork	2/27/09
03200	Concrete Reinforcement	1/22/08
03301	Portland Cement Concrete, Long Form	7/13/06
03303	Placement of Portland Cement Concrete	1/12/06
03350	Concrete Toppings	12/27/07
03361	Shotcrete	12/26/07
03420	Precast Prestressed Concrete for Building Construction	9/30/08
03450	Architectural Precast Concrete	12/26/07
03451	Precast Concrete Stairs	12/18/09
03602	Grouting (Non-Metallic)	2/13/08
VOL 1	DIVISION 4 - MASONRY	
04061	Masonry Mortar - Unpigmented	9/27/07
04070	Masonry Grout	10/25/07
04170	Joint Reinforcement and Steel Reinforcing	9/27/07
04220	Concrete Masonry Units	3/28/08
VOL 1	DIVISION 5 - METALS	
05120	Structural Steel	11/13/09
05311	Steel Deck	5/20/09

Section	Title	Latest Date
05400	Cold-Formed Metal Framing and Sheathing System	12/26/07
05506	Miscellaneous Steel	12/15/09
05507	Miscellaneous Steel Embeds	12/26/07
05510	Metal Stairs	11/5/07
05523	Steel Pipe and Tube Railing	12/15/09
05530	Gratings	11/5/07
05541	Structural Casting	9/4/08
05653	Bi-Metallic Composite Contact Rail and End Approaches	5/13/08
05654	Contact Rail System Installation	5/13/08
05660	Type I Direct Fixation Track Construction	5/9/08
05661	Type II Direct Fixation Track Construction	5/20/08
05662	Resiliently Supported Block Ties (RSBT)	6/13/08
05750	Ornamental Metal Panels and Enclosures	12/15/09
05810	Prefabricated Expansion Joint Assemblies	1/25/08
05831	Disc Bearings	5/30/08
05832	High Load Multi-Rotational Spherical Bearings	6/12/09
VOL 1	DIVISION 6 - WOODS AND PLASTICS	
06100	Rough Carpentry	1/28/08
06105	Rough Carpentry for Temporary Protection	2/13/08
06411	Plastic Laminate Clad Casework	9/27/07
06416	Plastic Laminate Clad Wood Counter Tops	10/25/07
06610	Fiberglass Coverboard and Splice Insert	5/7/07
06611	Fiberglass Reinforced Plastic	5/20/08
06612	Fiberglass Reinforced Gratings	5/13/08
06652	Polyethylene Platform Edge Strip	3/28/08
VOL 2	DIVISION 7 - THERMAL AND MOISTURE PROTECTION	
07116	Self-Adhered Sheet Membrane Waterproofing	1/2/08
07175	HDPE Waterproofing	1/15/08
07190	Vapor Barrier	1/11/08
07205	Mineral Fiber Insulation	1/16/08
07207	Extruded Foam Insulation	4/4/08
07250	Spray-Applied Fire-Resistive Materials	1/24/08
07270	Firestopping	9/27/07
07721	Roof Hatches and Heat/Smoke Vents	1/14/08
07816	Epoxy Intumescent Coating System	2/23/09
07921	Interior Sealants – Non-Moving Joints	1/25/08
VOL 2	DIVISION 8 - DOORS AND WINDOWS	
08111	Steel Doors and Frames	3/28/08
08112	Stainless-Steel Doors and Frames	12/15/09
08305	Access Doors and Frames	12/15/09
08335	Overhead Coiling Doors and Grilles	4/23/08
08346	Floor Hatches	5/14/08
08390	Watertight Doors and Frame	2/4/08
08450	Interior Glass Storefronts	12/15/09
08480	Balanced Entrance Doors	12/15/09
08801	Structural Glass Floor	12/15/09

Section	Title	Latest Date
08802	Interior Glass Railings	12/15/09
08803	Glass Hoistway Enclosures	12/15/09
VOL 2	DIVISION 9 - FINISHES	
09205	Metal Furring and Lathing	9/27/07
09206	Metal Furring and Lathing - Ceiling Support Systems	1/25/08
09215	Veneer Plaster Ceilings	7/30/08
09220	Portland Cement Plaster	11/5/07
09250	Gypsum Drywall	5/14/08
09253	Gypsum Drywall Interior Ceilings and Soffits	7/30/08
09270	Drywall Shaft Systems	9/27/07
09310	Ceramic Tile	10/22/09
09315	Detectable Warning Tiles	3/28/08
09441	Epoxy Matrix Terrazzo	2/4/08
09510	Acoustical Metal Pan Ceilings	12/18/09
09511	Acoustical Panel Ceilings	4/11/08
09521	Acoustical Metal Panels	6/15/09
09570	Wood Wall Panels	3/28/08
09600	Interior Stonework	11/10/09
09650	Resilient Flooring	1/14/08
09685	Carpet Tile	1/16/08
09705	Resinous Flooring	1/14/08
09706	Seamless Flooring	2/4/08
09782	Concrete Floor Sealer	1/16/08
09800	Acoustic Treatment	2/4/08
09910	Painting	6/4/07
VOL 2	DIVISION 10 - SPECIALTIES	
10144	Photoluminescent Markings and Signage	12/26/07
10161	Stainless Steel Toilet Partitions - Employees	5/2/08
10162	Stainless Steel Toilet Partitions - Public	12/15/09
10261	Plastic Wall Protection	9/27/07
10270	Access Flooring System	1/28/08
10400	Graphics and Wayfinding Device	12/15/09
10505	Metal Lockers and Locker Room Benches	12/26/07
10523	Fire Extinguishers, Custom Modular Cabinets and Accessories	12/15/09
10606	Wire Mesh Partitions	5/13/08
10811	Toilet Accessories – Employees	3/28/08
10812	Toilet Accessories - Public	12/15/09
VOL 2	DIVISION 11 - EQUIPMENT	
11011	Aerial Work Platforms	1/16/08
11195	Pre-Engineered Dog Kennels	11/5/07
11451	Pantry Equipment	9/27/07
VOL 2	DIVISION 12 - FURNISHINGS	
12640	INTEGRATED WORK UNITS	4/11/08
~~12680~~	~~Entrance Flooring Systems~~	3/28/08

Section	Title	Latest Date
VOL 2	DIVISION 13 - SPECIAL CONSTRUCTION	
13035	Sound Control Rooms	1/28/08
VOL 2	DIVISION 14 - CONVEYING SYSTEMS	
14240	Hydraulic In-Ground Elevators	2/16/10
14241	Hydraulic Holeless Elevators	3/1/10
14311	APTA Escalators	3/1/10
14313	Heavy Duty Standard Escalators	3/1/10
14338	Monorails with Electric Motor Powered Hoists	9/29/09
14350	Vertical Transportation Monitoring Systems	3/1/10
14555	Vertical Reciprocating Conveyors	2/6/09
VOL 3	DIVISION 15 - MECHANICAL	
15010	General HVAC Requirements	8/14/08
15060	Hangers and Supports	6/10/10
15070	Vibration Isolation and Seismic Controls	4/3/09
15075	HVAC Identification	8/1/08
15080	HVAC Insulation	10/23/08
15090	Motors and Motor Controllers	12/19/08
15105	Hydronic Piping	3/17/10
15106	Steam Piping	3/17/10
15110	Hydronic Valves	5/16/08
15111	Steam Valves	11/25/08
15120	Hydronic Specialties	5/16/08
15121	Steam Specialties	10/1/08
15125	Piping Expansion Compensation	3/24/08
15130	HVAC Pumps	10/23/08
15150	Water Treatment Systems	1/30/09
15180	Refrigerant Piping and Appurtenance	4/1/08
15190	Fuel Oil Systems	8/12/08
15301	Basic Plumbing and Fire Protection Material	7/28/08
15310	Sprinkler Fire Protection Piping and Appurtenances	6/10/10
15312	Fire Pumps and Accessories	6/11/09
15360	Mist Fire Extinguishing System	2/1/10
15366	FM-200 Fire Suppression System	2/1/10
15370	Foam Water System	2/1/10
15375	Fire Standpipe System Piping and Appurtenances	6/10/10
15405	Storm Water Reclamation System	6/30/10
15410	Plumbing Piping and Appurtenances	6/10/10
15430	Plumbing Specialties	6/19/08
15440	Plumbing Fixtures	6/11/09
15452	Elevator Sump Pit Pumps	6/11/09
15453	Sewage Ejectors	1/21/09
15456	Sump Pumps	2/1/10
15459	Water Heaters	6/11/09
15491	Plumbing Insulation	1/13/09
15495	Vibration Isolation and Seismic Controls - Plumbing and Drainage and Fire Protection Systems	6/11/09
15499	Plumbing System Testing	2/7/08
15559	Emergency Generator Work	3/24/08

Section	Title	Latest Date
15628	Air Cooled Chillers	3/24/08
15670	Air Cooled Condensers	5/16/08
15710	Heat Exchanger	6/6/08
15720	Air Handling Units	11/25/08
15735	Air Conditioning Units	8/15/08
15760	Air Coils – Hydronic	11/25/08
15765	Terminal Heating Equipment – Hydronic	5/20/08
15766	Terminal Heating Equipment – Electric	5/20/08
15770	Radiant Floor Systems - Hydronic	8/8/08
15810	Ductwork	12/23/08
15811	Ductwork - NFPA 130	6/12/08
15820	Ductwork Accessories	12/17/09
15821	Ductwork Accessories - NFPA 130	12/18/09
15825	Tunnel Ventilation Dampers	7/12/06
15827	Tunnel Ventilation System Accessories	7/12/06
15830	Centrifugal Fans	6/19/08
15833	Axial Fans	12/17/09
15836	Tunnel Ventilation Fans - NFPA 130	3/22/10
15840	Air Terminal Units	7/11/08
15850	Air Outlets and Inlet	2/3/09
15860	Air Filters	10/6/08
15869	Tunnel Ventilation Vaneaxial Fans, Motors and Motor Accessories	7/12/06
15870	Acoustic Treatment	4/30/08
15871	Acoustic Treatment - NFPA 13	6/6/08
15905	Instrumentation	6/6/08
15990	Testing, Adjusting, and Balancing	12/18/08
VOL 4	DIVISION 16 - ELECTRICAL	
16000	Electrical General Requirements	7/16/08
16001	Operation and Maintenance Manual	8/2/06
16110	Raceways	8/18/06
16114	Cable Trays	3/20/08
16115	Underground Conduit System	4/1/09
16120	Wires, Cables, Splices, Terminations (600 Volts or Less)	7/16/08
16121	Wires, Cables, Splices, Terminations (Medium Voltage 601 Voltsto 34,500 volts, Inclusive)	3/20/08
16122	Cables, Splices, Terminations (DC Traction Power Cable)	3/20/08
16124	Quadruplexed Medium Voltage Shielded Power Cable	10/2/07
16126	Optical Fiber Cable	10/9/07
16127	Control/Signal Transmission Media	10/9/07
16128	Arcproofing	12/21/07
16133	Control Panels, Enclosures/Cabinets, and Terminal Boxes	3/30/08
16135	Boxes and Fittings	8/18/06
16140	Wiring Devices	3/20/08
16150	Motor Power and Control Wiring	3/20/08
16190	Supporting Devices	8/18/06
16250	Transfer Switches	3/20/08
16261	Cast Coil, Traction Power Transformer (Medium Voltage)	7/16/08
16315	Medium Voltage Load Interrupter Switches	8/2/06
16316	Medium Voltage Metal-Clad Switchgear	8/2/06

Section	Title	Latest Date
16320	Dry-Type Transformers General Purpose - 600 Volts or less	1/24/08
16326	Cast Coil, Dry-Type Transformers (Medium Voltage)	8/2/06
16335	Low Voltage Switchgear	8/2/06
16422	Network Protector	8/2/06
16425	Spot Network	8/2/06
16450	Grounding	5/3/07
16452	Electrical Bonding	3/20/08
16466	Low Voltage Bus Duct	8/2/06
16470	Panelboards	3/20/08
16475	Overcurrent Protective Devices (600 Volts or Less)	8/2/06
16477	Protective Device Coordination Study	8/2/06
16480	Motor Control Centers	3/20/08
16481	Tunnel Ventilation Fan Motor Controls – NFPA 130	12/18/09
16503	Vibration Isolation and Seismic Controls, Electrical Systems	8/2/06
16510	Lighting Fixtures	5/28/08
16600	Lighting Control Systems	6/19/08
16610	Static Uninterruptible Power Supply	3/20/08
16620	Diesel-Generator Sets (With Auxiliaries)	8/2/06
16630	Substation Batteries and Battery Chargers Lead-Acid Batteries	8/2/06
16650	Corrosion Control for Structural Elements	3/20/08
16651	Corrosion Control Testing for Structural Elements	3/20/08
16660	Corrosion Control Electrical	5/6/08
16661	Corrosion Control Testing Electrical	4/30/08
16670	Lightning Protection System	3/20/08
16690	PATH Automatic Fare Control Equipment	3/17/08
16720	Fire Alarm System	5/7/97
16721	Class "C" Fire Alarm System	10/23/08
16740	Intercom Over IP (IoIP) System	10/27/08
16741	Electronic Displays	9/23/08
16744	Data Network Testing, Startup and Administration	1/9/08
16775	Radio Systems	6/24/10
16776	Radio Alarm and Control System	6/24/10
16777	Closed Circuit Television (CCTV) System - Terminal	10/2/09
16781	Closed Circuit Television (CCTV) System - Station	1/16/09
16783	Monitoring and Access Control System - Station	1/16/09
16784	Telephones and Telephone System Equipment	5/21/08
16785	Data Network Equipment	5/21/08
16788	Monitoring and Access Control System - Terminal	2/25/09
16790	Customer Information System	9/30/08
16858	Electrical Heating Cables	12/21/07
16860	Electric Heaters	12/21/07
16910	Field Testing of Wiring (Fire Alarm System Only)	3/12/08
16925	Programmable Logic Controllers for North and South Projection	8/31/09
16927	Tunnel Ventilation Fan Programmable Logic Controllers- NFPA 130	12/22/09
16928	Programmable Logic controllers for Mist fire Extingulshin System	12/18/09
16935	Supervisory Control and Data Acquisition System	11/25/09
16936	Modifications to Existing PATH SCADA System	3/10/10
16992	Acceptance Testing and Commissioning of Tunnel Ventilation Fan Plant Equipment Control	12/17/09
16998	Medium Voltage System Commissioning Test	8/2/06

Section	Title	Latest Date
VOL 7	SCHEDULES	
10410	Signage Schedule	10/9/09
VOL 8	DIVISION 15 - MECHANICAL	
15501	HVAC- Piping and Appurtenances	7/11/03
15526	Piping Expansion Joints	1/16/96
15528	Thermometers and Gauges	1/0/00
VOL 10	DIVISION 2 - SITE WORK	
02231	Aggregate Base Course	10/19/95
VOL 9	DIVISION 16 - ELECTRICAL	
16652	Corrosion Control Civil	12/23/09
16653	Corrosion Control Testing Civil	12/23/09
VOL 9	PATH COROPORATION	
Chap 60	Specification for Fiberglass Insulators for Contact Rail	undated
	OCULUS SPECIFICATIONS	
VOL 1	DIVISION 1 - GENERAL REQUIREMENTS - OCULUS	
01352	Sustainable Design Requirements	5/21/09
VOL 1	DIVISION 2 - SITE WORK - OCULUS	
02331	Flowable Fill	12/26/07
VOL 1	DIVISION 3 - CONCRETE - OCULUS	
03100	Concrete Formwork	2/27/09
03200	Concrete Reinforcement	1/22/08
03301	Portland Cement Concrete, Long Form	7/13/06
03303	Placement of Portland Cement Concrete	1/12/06
03602	Grouting (Non-Metallic)	2/13/08
VOL 1	DIVISION 5 - CONCRETE - OCULUS	
05120	Structural Steel	11/13/09
05311	Steel Deck	5/20/09
05506	Miscellaneous Steel	12/15/09
05507	Miscellaneous Steel Embeds	12/26/07
05750	Ornamental Metal Panels and Enclosures	12/25/09
VOL 1	DIVISION 6 - WOOD AND PLASTICS - OCULUS	
06100	Rough Carpentry	1/28/08
06105	Rough Carpentry for Temporary Protection	2/13/08
VOL 2	DIVISION 7 - THERMAL AND MOISTURE PROTECTION - OCULUS	
07116	Self-Adhered Sheet Membrane Waterproofing	1/2/08
07205	Mineral Fiber Insulation	1/16/08
07207	Extruded Foam Insulation	4/4/08

Section	Title	Latest Date
07216	Spray Applied Insulation	6/16/09
07250	Spray-Applied Fire-Resistive Materials	1/24/08
07270	Firestopping	9/27/07
07560	Fluid-Applied Roofing	10/5/09
07816	Epoxy Intumescent Coating System	10/28/09
07921	Interior Sealants -- Non-Moving Joints	1/25/08
VOL 2	DIVISION 8 - DOORS AND WINDOWS - OCULUS	
08305	Access Doors and Frames	12/25/09
08440	Roof Glazing and Cladding Systems	2/8/10
08440A	Terminal Hall - Skylight Fabrication and Erection Tolerances	7/1/09
08480	Balanced Entrance Doors	12/25/09
08632	Movable Skylight Machinery	4/1/10
08900	Specialty Glazing and Entrance Systems	2/8/10
08900A	Terminal Hall - Façade Fabrication and Erection Tolerances	6/1/09
VOL 2	DIVISION 9 - FINISHES - OCULUS	
09510	Acoustical Metal Pan Ceilings	12/18/09
09600	Interior Stonework	11/10/09
09910	Painting	6/4/07
VOL 2	DIVISION 10 - SPECIALTIES- OCULUS	
10297	Bird Deterrent System	1/28/08
10351	Flagpoles - Stainless Steel	12/26/07
10523	Fire Extinguishers, Custom Modular Cabinets and Accessories	12/15/09
VOL 2	DIVISION 11 - EQUIPMENT- OCULUS	
11011	Aerial Work Platforms	1/16/08
11012	Fall Arrest System	2/29/08
VOL 2	DIVISION 12 - FURNISHINGS - OCULUS	
12680	Entrance Flooring Systems	3/28/08
VOL 2	DIVISION 16 - ELECTRICAL- OCULUS	
16640	Oculus Movable Skylight Control System	4/1/10
16929	Programmable Logic Controllers for Oculus Movable Skylight Control System	4/1/10

Attachment N

Specifications (CONFIDENTIAL AND PRIVILEDGED)

World Trade Center Site - Transportation Hub

New York City, NY

July 1, 2010

Section	Title	Latest Date
VOL 5	DIVISION 8 - DOORS AND WINDOWS	
08130	Specialty doors	12/26/07
08715	Finish Hardware	6/10/10
08812	Miscellaneous Glass and Glazing (C&P)	2/4/08
VOL 5	DIVISION 11 - EQUIPMENT	
11190	Pre-Engineered Modular Steel Cells	2/8/08
11198	Security Enclosures	1/22/08
VOL 5	DIVISION 13 - SPECIAL CONSTRUCTION	
13700	Security Specialties	10/30/07
VOL 5	DIVISION 15- MECHANIC	
15950	Building Automation and Temperature Control	6/10/10
VOL 6	SCHEDULES	
SCHED	Door Schedule	7/1/10
SCHED	Finish Schedule	7/1/10
	OCULUS SPECIFICATIONS	
VOL 3	OCULUS SPECIFICATIONS	
08715	Finish Hardware	3/23/10
VOL 4	SCHEDULES	
	Door Schedule	4/1/10
	Finish Schedule	4/1/10

TABLE OF CONTENTS

EXHIBIT I - DIVISION I - GENERAL PROVISIONS, DATED 6/18/2010

EXHIBIT XI - SITE SECURITY REQUIREMENTS, DATED 1/28/2010
EXHIBIT XII(A) - OCIP MANUAL, DATED 9/30/2009
EXHIBIT XII(B) - SAR FORM, DATED 8/30/2009
EXHIBIT XIII - PAYMENT PROCEDURES, DATED 7/16/2010
EXHIBIT XIV - ENVIRONMENTAL PERFORMANCE COMMITMENTS, DATED 2/9/2010
EXHIBIT XV - PATH REQUIREMENTS, DATED 2/25/2010
EXHIBIT XVI - PREVAILING WAGE RATES, DATED 2/13/2010
EXHIBIT XVII - CONTRACTORS QUALITY PROGRAM REQUIREMENTS, DATED 3/11/2010
EXHIBIT XVIII - PROCEDURES FOR APPROVAL OF CRANES & DERRICKS, DATED 3/8/2010
EXHIBIT XIX – MATERIAL ENGINEERING UNIT SUBMITTALS, DATED 4/2/2010

Exhibit I June 18, 2010
Division 1 Specifications – General Provisions
World Trade Center Site – Transportation Hub
New York City, NY

1. CONSTRUCTION REQUIRED BY THE SPECIFICATIONS

These Specifications relate generally to performing all work defined in Attachment A – Scope of Work and related Work at the WTC Transportation Hub areas within and adjacent to the area bordered by Church Street, Vesey Street, West Street, and Liberty Street and the vicinity thereof at the World Trade Center site.

These Specifications require the doing of all things necessary or proper for or incidental to the Work of the Contract, as shown on the Contract Drawings in their present form. In addition, all things shown on the Contract Drawings even though not expressly mentioned in these Specifications, all things mentioned in these Specifications even though not shown on the Contract Drawings, and all things not specified either on the Contract Drawings, or in the Specifications but involved in carrying out their intent and in the complete and proper execution of the matter referred to in the immediately preceding paragraph are required by these Specifications; and the Contractor shall perform the same as though they were specifically delineated, described and mentioned.

In case of a conflict between a requirement of the Contract Drawings and a requirement in Division 1 of the Specifications, the requirement of Division 1 shall control. In case of a conflict between a requirement contained in other Divisions of the Specifications and a requirement of the Contract Drawings, the requirement of the Contract Drawings shall control.

Some Sections of the Specifications make cross references to construction specified in other Sections of the Specifications, including cross references intended to avoid duplication by the bidders in quoting prices and to point out some of the necessity for coordination. Such cross references are not intended to be complete or all inclusive, and the Contractor shall ascertain for himself both the nature and the extent of all construction which may be related to that under each Section of the Specifications whether or not expressly referred to.

Some Sections of the Specifications contain a general description of the construction under such Sections. Such description is merely a very general one and is not intended to outline the construction required by the Specifications and Contract Drawings. Accordingly, such description shall be construed as in aid of and supplemental to, but in no case limiting, impairing or decreasing, the requirements elsewhere set forth with respect to the construction to be performed.

The Contractor's compensation for all construction whatsoever referred to in the Specifications and Contract Drawings in their present form, even though the need for certain items of such construction may be contingent upon future occurrences or determinations or upon other circumstances, shall be deemed to be included in the lump sum in the Form of Contract unless the Attachment A Scope of Work, the Specifications, or the Contract Drawings expressly state that compensation in addition to such price shall be payable for such items of construction. The express statement in some cases to the effect that certain construction shall be without additional cost to the Authority shall not impair the application of this paragraph in other cases.

The distribution of various parts of the construction among the Divisions and Sections of the Specifications or among the Contract Drawings is not intended as a representation of the most effective

or logical method of organizing, scheduling, or subcontracting the construction, and the Contractor shall ascertain for himself how to do so unless otherwise expressly prescribed in this Contract.

In all cases the provisions of the second paragraph of this numbered Section shall control.

2. AVAILABLE PROPERTY

Subject to the conditions elsewhere stated herein, those areas to be occupied by the permanent construction will be made available to the Contractor in accordance with the project schedule.

Any additional property which the Contractor desires for his operations shall be obtained by him at his own expense.

The Contractor will be permitted to use only so much of the aforesaid areas as is necessary for the performance of the Contract or as otherwise described in Attachment A - Scope of Work, and he must at all times so conduct his operations as not to encroach upon or block the portions used by others. The Construction Manager may at any time make joint or exclusive assignments of particular portions thereof, either to the Contractor or to others, and may take over and use for other purposes any portions which, in the opinion of Construction Manager, are not required for the performance of the Contract.

At completion of the Work the Contractor shall remove all surplus materials, false work, temporary fences and other temporary structures, including foundations thereof plant of any description resulting from its operation.

The Contractor shall not occupy and shall not permit Subcontractors to occupy, Port Authority owner property outside the project site without obtaining the prior written approval of the Engineer.

3. CONTRACTOR'S EXPERTISE

The Contractor represents that it is familiar with, and has expertise in the Work of the Scope as described in Attachment A – Scope of Work. The Contractor further agrees that it will provide all Work for the Scope as may be required to make a complete job of that which may not be fully defined in the Contract documents.

It is the intent of the Specifications and Drawings to call for finished work, tested and ready for operation. Any apparatus, appliance, materials or work not shown on the Drawings but mentioned in the Specifications, or vice versa, and any incidental accessories or minor details necessary to make the work complete and perfect in all respects and ready for operation, even if not specified, shall be provided by the Contractor without additional expense to the Authority.

4. PERMITS

The Contractor shall perform all work, file all paperwork, provide all permits & fees, perform all on-site inspections and obtain all approvals from all authorities claiming jurisdiction as required and necessary to enable a Certificate of Occupancy to be issued by the Authority.

5. TEMPORARY PROTECTION

A. **Existing Construction:** The Contractor shall protect, and shall ensure that all Subcontractors protect, from damage: utilities, foundations, walls or other parts adjacent, abutting or overhead buildings, structures, surface and subsurface structures at or near the construction site, and shall be responsible for ensuring that any damage to such facilities resulting from failure to comply with the requirements of this Contract of the failure to exercise reasonable care in the performance of the Work is repaired and restored at no additional cost or expense to the Port Authority.

B. **New Construction:** The Contractor will provide protection necessary to safeguard its own Work, as well as the work of other contractors, from damage by its own operations. Until the final completion of its Work, Contractor shall protect its Work and its materials on the Site, all adjacent property and all tools, plants, equipment and other appliances for the Contractor's use or incidental thereto for the execution of the Work (whether furnished by the Contractor, Construction Manager or the Authority) from rain, water, frost and the elements and from all other kinds of damage which may be caused in any manner whatsoever, and the Contractor shall be entirely responsible for any loss or damage done to said Work, materials, tools, plant, equipment and other appliances in any manner aforementioned, except to the extent covered by Builders Risk Insurance, less the Builder's Risk deductible which will be borne by Contractor. Contractor hereby agrees that it will not hold the Authority or Construction Manager responsible for any such loss or damage.

The Contractor acknowledges that many elements of the Work of this Contract will be installed well in advance of when their associated systems will be put into service and when the ambient spaces are afforded the temperature and humidity control through the permanent building systems.

The Contractor shall be required to provide whatever measures are necessary to ensure that at the time of turnover to Authority all elements of work furnished and installed under this Contract shall be as new, fully functional and with all warrantees intact.

Such measures may include, but not be limited to proving and maintaining equipment protective covering, the employment of temporary heating / cooling systems (inclusive of all associated standby and operating labor costs), temporary enclosures, temporary waterproofing / roofing, blowing down piping systems to avoid freeze-ups, providing lay-up chemicals and/or nitrogen charges within piping system to inhibit corrosion of the interior surfaces, routinely exercising motors and actuators to ensure they remain operational, performing the final installation of critical sensitive items as a separate operation from the initial installation work at

a date closer to the time of equipment and system startup and activation, re-conditioning and/or refurbishing items as needed at the time of startup and testing, etc.

C. **Safety Protection:** The Contractor shall provide and maintain all protection specific to its Work above and beyond that shown, which is required by the New York City Building Code, the Authority, Transit Authority, Department of Highways, OSHA and all governing authorities for persons, adjacent properties and the Work. Such protection shall be maintained during day and night periods, including weekends, holidays and bad weather shutdowns.

D. **Existing Protection:** The Contractor is aware that some protection has been installed by others within or bounding the work area. Should the Contractor, if required for installation of its Work, remove or damage the protection, Contractor shall replace or repair such protection or provide a suitable substitute in accordance with OSHA or other jurisdictional requirements at the end of the workday or immediately after working in the area. Should the Contractor fail to replace or repair the protection as stated, the Contractor shall be charged for the replacement and/or repair work as well as all associated costs, including violations, penalties and legal costs.

E. **Remedies:** If the Contractor fails or refuses to cause any such damage to be promptly repaired, the Port Authority may have the necessary work performed by Authority forces or others and the expense of the Work will be charged to the Contractor. The amount of such expense shall be deducted from any moneys due or becoming due to the Contractor.

6. MATERIALS FURNISHED BY THE AUTHORITY

The Authority will furnish the materials listed in Attachment H that are to be incorporated in the Work.

The materials are stored in various locations as indicated for each item. The Contractor is responsible for the transportation of these materials at his expense.
Materials furnished to the Contractor shall be examined by him at the time they are furnished to him, and if there is any shortage, damage or other defect, the Contractor shall at that time bring it specifically in writing to the attention of the Construction Manager. Any shortage, damage or defect so brought to the Construction Manager's attention and acknowledged by him will be corrected by the Authority. If no shortage, damage or other defect is so brought to the attention of and acknowledged by the Construction Manager at the time said materials are furnished to the Contractor, the materials shall thereafter conclusively be deemed to have been satisfactory in all respects.

From the date the foregoing materials are furnished to the Contractor they shall form part of the materials included in the risks assumed by the Contractor as provided in subparagraph A of the clause of the Form of Contract entitled "Risks Assumed by the Contractor".

All materials or portions thereof in excess of those actually used in the permanent construction and which in the opinion of the Engineer may be suitable for use by the Authority shall be returned to the Authority at a location at the construction site designated by the Engineer upon the completion of the Work or when there is no longer any need for this material, whichever may first occur.

The Contractor at his own expense, shall furnish all materials required by the Contract Drawings and Specifications with the exception of those materials expressly provided to be furnished to the Contractor by the Authority in accordance with this numbered Section.

7. OPERATIONS OF OTHERS

The World Trade Center is a single unified project which is to be constructed by several separate contractors performing work simultaneously and in sequence. The World Trade Center consists of, in general: the PATH Station and The Transit Hall; links to the NYCT Stations serving the 1 Line, the R and W Line, and the E Line; a pedestrian underpass under West Street (Route 9A); pedestrian concourses fronting retail spaces under Towers 1, 2, 3, and 4; and all associated adjacent and remote structures, facilities, and systems. The work includes Civil, Structural, Architectural, Mechanical, Electrical, Plumbing, Fire Protection, and Systems work. The work directly relating to the World Trade Center to be performed under separate Contracts consists of the following:

A. World Trade Center Transportation HUB – Contract WTC-614.001 – General Site Work Via Work Order

The work of this contract consists generally of foundations within the PATH Station, partial demolition of the PATH Station, stair relocations and the construction of a roadway within the Fulton Street alignment from the West Haul road eastward towards the PATH Station. This work is expected, but is not guaranteed, to be complete by March 2010.

B. World Trade Center Transportation HUB – Contract WTC-614.200 – General Site Work Via Work Order

The work of this contract consists generally of installation of temporary construction power, MEP equipment relocation to support temporary roof over existing PATH station, and installation of foundations within and around the PATH Station. This work is expected, but is not guaranteed, to be complete by March 2010.

C. World Trade Center Transportation HUB – Contract WTC-234.544 – Station Construction and Transit Hall Structure to Grade: Furnish, Fabricate and Erect Structural Steel, Intumescent Fire resistant Coating, Metal Deck & Precast Concrete Work

The work of this contract consists generally of the fabrication and erection of the structural steel of the World Trade Center Transportation Hub. This work is intended to be performed simultaneously with the work of this Contract WTC 264.595.

D. World Trade Center Transportation HUB – Contract WTC-284.458GC – General Contracting Services

The work of this contract consists generally of excavation, underpinning of the 1-Line box, foundations, structural steel, concrete slabs, and MEP throughout the WTC Transportation Hub area. This work is expected, but is not guaranteed, to be complete by June 2010.

E. World Trade Center Transportation HUB – Contract WTC-224.545 – Greenwich Street Corridor Construction

The work consists generally of excavation at the east bathtub including under the NYCT 1-Line box and permanent underpinning of the NYCT 1-Line box in the areas north and south of the junction of the PATH Station and the Transit Hall. This work is expected, but is not guaranteed, to be complete by June 2011

F. World Trade Center Transportation HUB - WTC-724.078 Vehicular Security Center – Exterior Perimeter Foundation Walls; and World Trade Center Transportation HUB - WTC-744.235 Vehicular Security Center – South Basement

The work consists generally of excavation and construction of the Vehicle Security Center (VSC) at the south end of the WTC Site. This work is expected, but is not guaranteed, to be complete by March 2011 for WTC-724.078 and September 2012 for WTC-744.235.

G. World Trade Center Transportation HUB – WTC-274.592 – Oculus. The Contract number and name are subject to change.

The work generally consists of the erection of the steel and building envelope glazing that constitutes the Oculus structure. The work is to be performed starting as soon as the structures supporting the Oculus are constructed as part of the Work of this Contract (WTC-264.595). Once the work of the Oculus is sufficiently advanced, the Contractor shall perform the Work of this Contract WTC-264.595 that is within or is otherwise dependent on the Oculus structure being in place.

The Work of the Contract is required to be performed as part of the overall WTC Transportation Hub Project and is described in the immediately following paragraphs:

The Port Authority has determined to proceed with construction of the WTC Transportation Hub by means of several separate contracts as described in the clause hereof entitled "Construction Required by the Specifications". In order to fulfill the intent of the Authority to complete the WTC/Hub project in a timely manner and to avoid impeding the work of others the Contractor shall be required to coordinate its work and to cooperate with all other WTC/HUB contractors working on the WTC/Hub project as well as with others engaged at the WTC Site. Such coordination and cooperation shall be performed in a manner as to neither hinder nor to impede but to be conducive of facilitating the progress and completion of: the Freedom Tower; the Vehicle Security Center; the Central Chiller Plant; the Memorial; Tower 2; Tower 3; Tower 4; NYSDOT Route 9A; the NYCT 1 Line; Utilities and Streets Infrastructure; and the Work of this Contract and of the other Contracts directly relating to other parts of the WTC/Hub as described in the Clause of the Contract entitled "Construction required by the Specifications".

The Contractor shall so plan and conduct his operations as to work in harmony with others engaged at the construction site and not to delay, endanger or interfere with the operations of others (whether or not specifically mentioned above), all to the best interests of the Authority and the public and as may be directed by the Construction Manager. All of the foregoing shall be done within the Lump Sum.

The Contractor acknowledges that significant coordination, planning and sequencing needs to take place between the work being performed under the Contract and that being performed by others in connection with other WTC Projects. The Contractor further has an affirmative obligation to mitigate and negate all impacts.

The Contractor is fully aware that in many instances the work of the HUB coexists with the work of other WTC Stakeholders within areas throughout the Below-Grade and Podium Levels of the WTC Projects. The spatial arrangement and installation sequencing will be determined after final coordination of the routing of all such work elements.

Accordingly, the Contractor should anticipate the following:

- In instances where the work of multiple WTC Stakeholders resides, the required sequence of installation activities will not be determined until final shop drawing coordination is complete.
- The work of the WTC/HUB that resides within areas containing the work of multiple WTC Stakeholders may not be continuous and may require multiple come-back operations.
- Final routing of WTC/HUB elements will be determined in large part by the routing and access requirements of the other WTC Stakeholders and may not be as direct as indicated on the Design Documents.
- Due to congestion of work in certain areas, access to the slabs for standard hangers may not always be available, necessitating that alternate hanging methods be employed (ie trapezes, cantilevers, etc).
- The overall duration of the WTC/HUB work within these spaces may be impacted by the surrounding work of the other WTC Stakeholders.

As it relates to such work, the Contractor shall provide whatever information and/or resources that are necessary to work cooperatively with the others to accommodate the successful execution of all work at all points of interaction. Such points of interaction include, but are not limited to:

A. MEP Shop Drawing Coordination Process
The Contractor shall be required to participate in the MEP coordination process that shall be supervised and managed by others for all work occurring within the boundary of other WTC Projects. Such work shall include coordination and interaction with all of the other contractors associated with the related project spaces, many of which will be contracted by others outside of the scope of the Contract.

B. Installation, Staging & Sequencing of Work
The Contractor shall coordinate with the others performing the work referenced above in order to accommodate their logistics, staging and installation requirements.

The Contractor shall provide all supervisory, engineering and drafting personnel as needed to meet the requirements of the coordination, shop drawing and installation schedules developed for these spaces.

Based on an awareness of the above, the Contractor shall not be entitled to any claims for additional costs associated with routing of work to accommodate the work of other WTC Stakeholders, necessary hanging and seismic provisions, come-back work, inefficiencies and protracted installation durations that are the result of the ongoing and adjacent work of others.

The Contractor understands that due the expanse of the system(s) being furnished and installed under this Contract and the fact that such system(s) span throughout multiple distinct WTC Project sites, related startup and commissioning activities may not be continuous, may be required to occur in sections and/or zones and may necessitate multiple "comeback" operations. All related costs are included within the scope of this Contract.

The Contractor understands that the schedule and occupancy requirements of the WTC/HUB spaces may necessitate that sections and/or zones of the overall WTC/HUB system(s) undergo commissioning and final inspections "out of sequence" with other portions of the overall system(s) in order to support partial space occupancy requirements. The Contractor shall cooperate fully with all such requirements of the Authority and shall furnish and install all associated work.

8. COORDINATION WITH OTHERS

A. Synchronization of Activities

1. Contractor acknowledges that the Authority shall award contracts to other contractors, including, without limitation, trade contracts to other contractors, to perform construction or operations related to the Project. Contractor further acknowledges that the other contractors may perform their work on the Project site during the same time that Contractor performs its Work on the Project site; or that Contractor's Work and the work of other contractors, though provided for under separate contracts, may be interconnected in some manner or interdependent, one depending upon timely or proper performance of the other.
2. This Contractor shall cooperate, as directed by the Construction Manager, with other contractors at the site, including, but not limited to, Foundation Contractor, Superstructure Concrete Contractor and Above Grade Superstructure Steel Contractor.
3. This Contractor shall cooperate with the Authority, all Public Transit Companies and any other government authorities having jurisdiction.
4. In order to synchronize all of the activities described, such activities occur in a harmonious and proper manner, Contractor agrees that it shall (i) cooperate with Construction Manager in coordinating Contractor's Work and labor force with the other contractors' work and labor forces, and (ii) provide for coordination of Contractor's Work and labor force with those of the other contractors.
5. In order to maintain synchronization and harmony with respect to all of the construction and operations on the Project site, Contractor agrees to do the following when so requested: (i) review the construction schedules of other contractors in order to make internal revisions to Contractor's own schedule such that Contractor's schedule will coordinate with the schedules of others, or (ii) participate in a joint review among relevant parties of the schedules of Contractor and the other contractors, each schedule being reviewed in terms of the others, in order to coordinate all such schedules; and, after such joint review, revise Contractor's schedule as mutually agreed upon and to the extent necessary in order to coordinate Contractor's activities with those of the other contractors.
6. The Contractor understands that it is essential that many of its activities be performed in close coordination with, at the same time as, or in close sequence with the work of other

contractors. If Construction Manager directs that certain parts of the Work be performed following a specific sequence or on certain days or times of the day, Contractor shall perform such Work accordingly. The Contractor understands that the work of this other contractor will not be continuous and that work will be required to be performed out of sequence. Any changes in sequence and out of sequence work will be performed at no additional cost to Construction Manager and the Authority.

7. Contractor acknowledges that the other contractors are subject to certain of the same types of obligations and have certain of the same rights as Contractor. Contractor agrees to coordinate its Work and to cooperate with the other contractors in order that all parties may perform their respective obligations and exercise the rights to which they are entitled.
8. Contractor shall (i) afford the other contractors reasonable opportunity for introduction, storage, and access to their materials and work; and (ii) accommodate the other contractors to the extent Construction Manager so directs with respect to such endeavors.
9. Contractor shall inspect portions of Work already performed to determine that such portions are in proper condition to receive subsequent work, if any, by the other contractors.
10. The Contractor shall cooperate with the testing and inspection agencies hired by the Authority. Contractor shall provide to the testing agencies, at no additional cost, all manpower, facilities, scaffolds, calibrated torque wrenches, etc., to assist the testing agency personnel in their testing and inspection duties. It shall be the responsibility of Contractor to notify the testing agencies prior to commencement of the Contractor's Work. The Contractor shall also notify the Construction Manager that inspection services have been requested. Contractor shall not perform any Work requiring testing, unless such testing agency personnel are present. It shall be the responsibility of the Contractor to notify the testing agencies in sufficient time to allow for travel arrangements prior to commencement of the Contractor's Work. The Contractor shall perform any corrective work recommended by the inspection firms. The corrective work shall be included in the Contract Price. Costs incurred for re-inspections for rejected materials or failed inspections will be born solely by the Contractor.
11. Any temporary openings or leave-outs required for subsequent installation of Contractor's Work must be brought to the attention of the Construction Manager prior to the start of the pertinent work in the area of the opening or leaveout needed. Failure to request access will result in the Contractor assuming all costs involved in providing, rebuilding and refinishing the required access. It may be necessary for this Contractor to leave openings in its Work or omit portions of Work temporarily in order that other contractors can perform their work. It is understood that the work of filling in openings or completing such undone portions of the Work may be required to be performed at different times and intervals including those after the Contractor has completed its primary Work. All of the foregoing shall be done within the Contract Price.
12. The Contractor shall provide all work within or around vertical shaft ways in accordance with the following:
    a) The Contractor shall perform the installation of work within the shafts based upon an installation sequence taking into account all of the work of the other trades also located within the shafts as directed by the Construction Manager.
    b) The Contractor shall provide all safety measures (i.e. fall protection, tie-offs, overhead

protection, etc) as necessary to ensure that all installation work occurs in a manner that is safe and complies in full with all pertinent OSHA requirements (at a minimum).

c) The Contractor acknowledges that in order to complete the work within these shafts non-standard construction and installation practices may need to be employed and has included all costs associated with these associated inefficiencies. The Contractor shall perform whatever installation procedures and techniques are required to successfully complete these installations.

d) The Contractor shall provide all work related to the design, coordination, furnishing and installation of all hangers, supports, guides, anchors, seismic restraining devices and any supplemental steel (required additional to that which is specifically indicated on the Structural Drawings) as necessary to complete the installation of its work.

e) The Contractor acknowledges that shaft ways will be closed sequentially as the building structure advances vertically and shall perform all required testing (i.e. leakage tests, hydrostatic tests, etc.) prior to the concealment of services behind rated enclosure assemblies (sheet rock, masonry, etc.) and closure of the shaft walls. This will necessitate that the testing of systems be performed in sections and on a floor-by-floor basis as required. Any additional equipment, devices, by-passes, fittings, etc., necessary to isolate or drain systems or components of systems to implement such procedures shall be provided by the Contractor at no additional cost.

f) Overhead protection for the Contractor's personnel working in shafts is the Contractor's responsibility.

B. Claims Involving Construction or Operations of Other Contractors

1. If performance of Contractor's Work, or a portion thereof, depends upon the construction or operations of any of the other contractors for proper execution of such Work in accordance with the Contract documents, then prior to proceeding with that portion of the Work and within forty-eight (48) hours of such discovery by Contractor, Contractor shall provide written notice to Construction Manager of any apparent discrepancy or defect in the other contractor's work that would render such work unsuitable for the proper execution of or would result in a defect in Contractor's Work.
2. Failure of Contractor to provide written notice as provided for and within the timeframe set forth in the Section above shall constitute an acknowledgment by Contractor that the other contractor's work, whether partially or wholly completed, is fit and proper to receive the Contractor's Work, except as to defects not then reasonably discoverable.
3. The Contractor shall be charged for costs incurred by the Authority that are payable to other contractors because of delays, improperly timed activities, or defective construction of Contractor.
4. Contractor shall promptly remedy damage wrongfully caused by Contractor to completed or partially completed construction or to any property belonging to the other contractors, Construction Manager, and the Port Authority of New York and New Jersey or for which the other contractors, Construction Manager is responsible.

C. Cutting and Patching Construction Performed by Other Contractors

1. Removal Of Finished Work: The Contractor shall obtain written approval from the Construction Manager prior to removal by the Contractor of any finished work, such as but

not limited to sheetrock, spray-on fireproofing, ceilings, concrete, structural steel and other building components, required for the installation of its work.

2. Each Contractor shall be responsible for all cutting and patching which may be required in connection with their work. If work is not coordinated and installed at the appropriate time, the Contractor will be responsible for all costs associated with removals and patching. Damage to finished work from the installation of late or faulty work by persons unknown shall be back-charged on a pro-rata basis to Contractors having performed work in the area.
3. When patching or repairing new or existing work, Contractors shall employ only workmen skilled in the appropriate trade and final product shall be as new.
4. Contractor shall not damage or endanger a portion of the work, or a fully or partially completed construction of any of the other contractors, by excavation or by cutting, patching, or otherwise altering such construction. Contractor shall not cut or otherwise alter such construction by Construction Manager or any of the other contractors except by prior written consent from Construction Manager.
5. Openings in all floors, beams and shear walls shall be provided by others only if specifically indicated on the Structural and/or Architectural drawings. The Contractor shall be responsible for verifying that the size and location of all such openings correlate with the size and location requirements as indicated on the Drawings and as dictated by the coordinated shop drawings prepared by the Contractor. In the event that the openings as indicated are not sufficient, the Contractor shall notify the Construction Manager and Engineer upon discovery of any required changes to opening locations that result from their review. In the event that the Contractor fails to notify the Authority of any required changes prior to the fabrication of steel and / or placement of concrete or other trade's work, the implementation of all such changes shall be performed at the Contractor's expense.
6. The Contractor is responsible for core drilling, including both vertical penetrations and horizontal openings through shear walls, as required to complete the work if this Contract. This includes any drilling that is the result of design coordination that occurs after the placement of concrete. The Contractor is not permitted to perform any core drilling in the absence of specific approval from the Engineer. The Contractor shall submit a drawing showing the size and location of all required beam penetrations for review by the Engineer. Upon receipt of approval from the Engineer, the Contractor shall clearly mark the size and location of all required beam penetrations for installation by others. Any additional pipe and fittings required to utilize beam penetrations at approved locations is included. However, the Contractor shall design and coordinate its systems such that the amount of required beam penetrations is minimized.

D. Coordination of the building systems

a. The drawings indicate the various piping, duct and electrical systems schematically. No added compensation will be permitted due to field conditions and/or required coordination.
b. In all cases where apparatus is referred to in singular numbers, it is intended that such reference include as many items as required to complete the work.

c. If directed by the Authority the Contractor shall, without extra cost, make reasonable modifications in the layout as needed to prevent conflict with work of other trades or for proper execution of the work.
d. Under no circumstances will any work under this Contract penetrate or pass through fire rated exit corridors, fire rated stairwells, Electrical Rooms, TeleData Rooms or Elevator Machine Rooms unless that work specifically serves elements located within the associated space.
e. Any work installed in deviation with the above requirement shall be removed and relocated at the direction of the Authority.
f. Additionally, the Contractor shall bear responsibility for all costs associated with such relocation work, outside of normal work hours as required, and any ancillary costs associated with patching, touch-up, re-finishing, etc.
g. Access doors in finished construction for the Contractor's work shall be furnished and installed by that Trade providing the building element where the door is to be installed. However, the Contractor shall coordinate access door locations with the other MEP trades during the coordination process such that the number of access doors are minimized to the greatest extent possible. Upon completion an access door drawings that be submitted, for approval from the Engineer, drawings describing the size, type and location of all required access doors. Upon receipt of the Engineer's approval, the Contractor shall provide all coordination information to the installing Trade by furnishing approved installation location drawings and clearly marking (using a ribbon, temp sign, etc) each device installed in inaccessible spaces prior to the commencement of the finished construction. It shall be the responsibility of the Contractor to determine the appropriate size and location of access doors such that sufficient clearances access is provided to perform the required inspection, maintenance, repair, replacement, etc. of the item requiring access.
h. The Contractor is responsible for the layout of all its own work and for locating, providing and placing sleeves, inserts, embeds and any other elements that need to be incorporated into the concrete structure that are necessary to complete the work of this Contract. This includes items related to the buildings vertical (i.e. shear walls) and horizontal (i.e. slabs) concrete elements. The Contractor shall coordinate with, and obtain approvals from, the Engineer for the size and location of all such items prior to their installation. This approval process shall include the formal submission of sleeve / embed shop drawings submitted within a sufficient timeframe to allow for Engineer review, comment and approval prior to concrete placement. Additionally, the Contractor shall be responsible for all costs associated with the repair and/or modification of the buildings structural elements that result from failure to comply with the above and/or failure to install any such elements prior to concrete placement.
i. The Contractor shall verify the mounting heights, location, and orientation of all finished devices with the Engineer prior to their installation. The Contractor shall be responsible for all costs associated with the relocation of devices installed incorrectly.
j. The Contractor shall coordinate the installation of all equipment requiring power with the electrical contractor to ensure compatibility with the building power distribution system. All such equipment shall be furnished with detailed point-to-point wiring diagrams.

k. Any temporary work installed by the Contractor, either before or after coordination, which interferes with this trade's or another trade's ability to install its permanent work, shall be removed and relocated within twenty-four (24) hours from notification by the Construction Manager, on an overtime basis if necessary and at the Contractor's cost.

l. The Contractor shall cooperate fully with all other Contractors at all interfaces (points of connection) required between the work of this Contract and the work of other Contracts and shall perform any work that is required to make these interface points complete and operational in all respects.

m. The Contractor understands that portions of the work being provided under this Contract may be interrelated to the work being provided by others under separate contract and that taken together, all such work comprise complete systems in accordance with the Contract Drawings and Specifications. Accordingly, the Contractor shall cooperate fully with, and shall perform all work as necessary, in a collaborative effort with the other associated contractors and vendors, to complete the successful installation, startup, testing and commissioning of all such work.

9. LABOR ACTIONS

A. Whenever any labor strike, slowdown, work stoppage, picketing or other labor action which might interfere with the performance of the Contract, or of other Authority or PATH contracts or the operation of any Authority or PATH facility occurs at the construction site or at any other Authority or PATH facility as a result of the Contractor's (or its subcontractor's) utilization of particular means, methods or manpower to perform the Work required by the Contract, the Contractor shall pursue all remedies which are appropriate and available to him to avoid such interference.

B. The Contractor shall not employ workers, means, materials or equipment which may cause strikes, work stoppages or any disturbances by workers employed by the Contractor or other contractors or subcontractors on or in connection with the Work or the Project or the location thereof. The Contractor agrees that all disputes as to jurisdiction of trades shall be adjusted in accordance with any plan for the settlement of jurisdictional disputes which may be in effect either nationally or in the locality in which the Work is being done and that it shall be bound and abide by all such adjustments and settlements of jurisdictional disputes, provided that the provisions of this Clause shall not be in violation of or in conflict with any provisions of law applicable to the settlement of such disputes. Should the Contractor fail to carry out or comply with any of the foregoing provisions, Authority shall have the right, in addition to any other rights and remedies provided by this Contract or by law, after three (3) days written notice mailed or delivered to the last known address of the Contractor, to terminate this Contract or any part thereof for cause. Should this Contractor fail to take expeditious action, it will be responsible for any time lost because of delays arising from such a dispute.

C. The Contractor shall provide all labor (including that which is jurisdictionally required for composite labor crews) and work for receiving, uncrating, handling, storing, distributing and installing materials, equipment and appliances for the work of this Contract, including any such material or equipment furnished by others.

D. The Contractor shall furnish and install all supports, mounting hardware, backing and grounds for the work of this Contract as per union local area practice and union jurisdictional agreements.

10. CONSTRUCTION MANAGER'S MEETINGS

The Contractor shall attend separate job progress and coordination meetings with the Construction Manager every week, or at times otherwise requested by the Construction Manager. When requested by the Construction Manager, a principal of the Contractor's firm shall also attend the meetings.

11. CONTRACT DRAWINGS AND SPECIFICATIONS

The Contract Drawings which accompany and form a part of these Specifications bear the general title "The Port Authority of NY & NJ - World Trade Center – PATH Hall And Transit Hall Construction" and are separately numbered and entitled as listed in Attachment I - Contract Drawings (Unrestricted) and Attachment J - Contract Drawings (Confidential and Privileged) Attachment M - Contract Specifications (Unrestricted) and Attachment N - Contract Specifications (Confidential and Privileged).

The Contract Drawings do not show all of the details of the Work and are intended only to illustrate the character and extent of the Work to be performed. Accordingly, they may be supplemented during the performance of the Work by the Engineer or by the Contractor subject to the approval of the Engineer, to the extent necessary to further illustrate the Work.

An indication on the Contract Drawings of the existence, nature or location of any utilities, structures, obstructions, conditions or materials does not constitute a representation as to the conclusions to be drawn therefrom nor a representation that no others exist in addition to those shown, even in the same location; nor does the absence of any indication on said drawings of the existence, nature or location of any utilities, structures, obstructions, conditions or materials constitute a representation that none exist.

After the Contract has been executed, the Contractor will be furnished six (6) copies of the Specifications and Contract Drawings without charge.

12. SHOP DRAWINGS, CATALOG CUTS AND SAMPLES

A. The Contractor shall immediately expedite the submission of shop drawings and ordering of materials and equipment so that work of this Contract shall be installed in sufficient time to comply with the Contract Schedule.

B. Submittals by the Contractor shall contain:
- Shop drawing number and title
- The date of submission and the dates of any previous submissions
- The project title and location of the project
- The names of the Contractor, Supplier and Manufacturer
- Identification of the product with the specification section number

- Applicable standards, such as ASTM, Federal Specification numbers
- Identification of deviations from Contract documents.
- • Identification of revisions on resubmittals other than those noted on previous submittals (including changes on shop drawings) is requiredThe Engineer's "Reviewed/Approval" stamps (template will be provided)

C. All required shop drawings and submittals shall be submitted in a uniform flow as drawings for each area of the building are completed, and not accumulated for a single submission. The Contractor's transmittals of Submittal data shall fully comply with the numbering and naming conventions and other procedures that will be provided by the Engineer or Construction Manager to the Contractor at the pre-construction meeting.

D. In preparing the Shop Drawings, the Contractor may adopt a sheet of any reasonable size which best suits his needs, but having adopted such size, all sheets thereafter of a similar nature shall be of the same size as that adopted. Each drawing shall have a margin on the top, bottom and right-hand side of one-half inch and on the left hand side a margin of one and one-half inches.

E. The Contractor shall submit and maintain record documents (shop drawings, as-built, etc.).

F. All submissions will be submitted with a stamp indicating that Contractor has reviewed the submittal for conformance with the Contract Documents, coordinated with the work of other trades, and approved by the Contractor.

G. All shop drawings shall be prepared using latest version of AutoCAD and record as-builts shall be provided to Authority at Substantial Completion in both disk format and hard copy prints.

H. Contractor shall utilize the Construction Manager's electronic document control system if so directed. The Construction Manager uses Primavera Expedition software to track the status of Submittals provided by the Contractor. In order to facilitate this electronic tracking, the Contractor shall use the transmittal form that is provided at the pre-construction meeting, and shall forward it to the Construction Manager via a MAPI compliant e-mail system (e.g. Microsoft Outlook, CC mail, Lotus notes, etc.).

I. It is the responsibility of the Contractors to verify that all submitted shop drawings conform with the requirements of the Contract Document and that all dimensions, conditions and quantities are verified as shown and/or corrected on each submittal; that the submittal is in sufficient detail to serve its intended purpose; and that all previous applicable changes made in the Project by Change Orders and directives have been properly shown on each submittal affected.

J. On resubmissions of any shop drawings, product data or samples, the Contractors shall make any corrections or changes noted on previous submittals and resubmit as specified for the initial submittal. The Contractor shall be responsible for the delays and costs caused by rejection of submittals due to incorrect shop drawings, samples and manufacturer's data.

K. Samples submitted by the Contractor shall be of sufficient size to illustrate the functional characteristics of their products, with integrally related parts and attachment devices, and the full range of colors, textures, and patterns

L. The Contractor is responsible for seeing that "Approved" copies of shop drawings bearing the approval of the Engineer or Authority are on the job and being implemented in the field

M. The Contractor is responsible for seeing that changes on the shop drawings are clearly indicated (Bubbled) due to revisions, design changes and comments

N. Any deviation from Contract Documents must be clearly noted on all submissions and transmittals requesting specific approval. The Engineer's review of submissions as a whole without such notation shall not constitute approval of any deviation. Any costs (including those incurred by the Construction Manager, other contractors, engineers, the Authority, or consultants) arising from a deviation shall be the sole responsibility of this Contractor.

O. The Contractor shall furnish to the Construction Manager copies of all material orders (without pricing), cutting lists, shop tickets and acknowledgments of such orders.

P. The Contractor shall maintain one copy of each shop drawing, catalogue cut, and product data sheet submittal during the construction period, and on a regularly scheduled basis shall post and record changes and modifications as they occur. The Contractor shall store these documents in the field office apart from the Contract Documents used for construction and shall maintain them in good order and in a clean, dry, legible condition, protected from deterioration and loss and available at all times for the Engineer's inspection.

Q. All materials must be fabricated to allow the above installation schedule to proceed uninterrupted. Failure to meet the requirements will require the Contractor to immediately institute a recovery program that may consist of additional manpower, shift work or overtime until this Contractor is capable of performing its work to maintain the above schedule, with no increase to Contract Price.

R. Contractor will submit the following on a weekly basis. Failure to do so is grounds for non-payment:

i. Detailed reports regarding status of engineering submissions, lead time, and fabrication operations.

ii. Submittal logs for outstanding submissions.

S. In the event that the Contract documents are revised, the Contractor must notify the Construction Manager in writing of any proposed change to Contract Price within ten (10) calendar days from receipt of said documents. If said notification of proposed change is not made within the above-stated time period, then said revised Documents will become part of contractual obligations with no change in Contract Price.

T. The number of working days within which the Engineer shall advise the Contractor as to whether the Shop Drawings are approved, not approved, or require corrections or additions to be made thereto shall be as follows, except that 20 working days shall be required for the Engineer to review shop drawings submitted with design calculations.

No. of Drawings Submitted Within 5 Consecutive Working Days for Each Discipline(*)	No. of Working Days for Engineer To Review Shop Drawings
Up to 50	10
51 to 75	15
More than 75	20
* Disciplines shall be defined as follows: Structural, Architectural, Civil, Geotechnical, Mechanical, Electrical, Traffic and Environmental.	

13. PROJECT CLOSE OUT & RECORD DOCUMENTS

A. Final Payment will not be made without the receipt and approval of the following:

i. All approved contractor "As Built" drawings, records, O&M Manuals and related data.

ii. All guaranties and warranties to which the Authority is entitled under this agreement including contract documents.

iii. All permits, licenses, approvals, certificates and authorizations required by any authority having jurisdiction of the trade work of this contractor and/or project.

iv. General release from the contractor on the Construction Manager's or the Authority's standard form in favor of the Authority, the Construction Manager and others designated by the Authority, if any.

v. Satisfactory proof that all claims, including taxes, arising from the work any liens which shall have been filed or recorded, have been released.

B. The Contractor shall, as part of the Work and before a Certificate of Final Completion is issued, provide to the Construction Manager Authority a full set of "Record Shop Drawings" and "Record Product Data" submitted electronically in a file format acceptable to the Engineer (including possibly AutoCAD).Record Shop Drawings shall consist of the full and entire set of all "Approved" shop drawings of the work. Where a shop drawing submitted during the work has a status other than "Approved" it shall be submitted and resubmitted for approval, in accordance with requirements set forth elsewhere herein, until it receives a status of "Approved". Shop drawings without such status may not be submitted as drafts of record shop drawings.

C. After a shop drawing has received a status of Approved it shall be marked up and revised by the contractor to reflect the Work as actually built, including and incorporating any and all changes made to the Work different than as shown on the approved shop drawings. All previous revision bubbles or clouds generated during the shop drawing approval process of the drawing are to be removed. Any alterations or revisions to the shop drawings required to show the construction as actually built shall be identified by a new bubble or cloud with a designation in the revision box indicating the change number and an indication that the change is made for "Record Shop Drawing". These drawings shall be stamped in the lower right corner, in red text no smaller than ½" high, with the words "DRAFT-Record Shop Drawing-For Review" and shall be signed by the Contractor. By signature, the Contractor is verifying that the drawing reflects the as-constructed condition. Submit twelve copies of such drawings to the Engineer for review.

D. The Engineer shall review such submissions and shall return the submission to the Contractor either for further revision or with an indication that the submission is acceptable as a Record Shop Drawing.

E. When a submission is deemed acceptable by the Engineer the Contractor shall proceed to the final submittal of the Record Shop Drawing. Final submittal shall be on Mylar transparency with the words "RECORD SHOP DRAWING" imprinted in the lower right hand corner on the Mylar in solid bold lettering no less than ¾" high and shall be signed by the Contractor. By signature, the Contractor is verifying that the drawing reflects the as-constructed condition. Provide one Mylar copy of each Record Shop Drawing. Record Product Data shall consist of all the "Approved" product data and catalogue cuts submitted for the work. Product data and catalogue cuts shall be marked up and revised by the contractor to reflect the Work as actually built, including and incorporating any and all changes made to the Work, if any, different than as shown on the approved submittals. Contractor shall submit to the Engineer one copy of each submittal with the words "Record Product Data" stamped on each sheet in letters no less than ¼" high.

F. The Engineer reserves the right to reject such submittals if found to not accurately represent the work as actually built; in which case the Contractor shall make required corrections and resubmit the product data or catalogue cut until accepted by the Engineer.Where actual installations vary substantially from that indicated in the submittal the contractor shall resubmit the data for final approval prior to designating as "Record Product Data".

G. Where Product data and or catalogue cuts are required as part of operation and maintenance manuals, include the Record Product Data as an insert in manual in addition to submittal as Record Product Data as required hereby.

H. The Contractor shall be responsible for conducting a complete personnel training program in accordance with the Contract Documents for all operating and maintenance managers for all equipment provided and shall provide advanced copies of Approved Operations and Maintenance Manuals to the Authority at least four (4) weeks prior to training. Manuals will include approved equipment catalog cuts, spare parts lists and wiring diagrams.

14. SUBSTITUTION

Where a proprietary item or make is specified or mentioned herein or called for or mentioned on the Contract Drawings and the phrases "similar and equal to" or "approved equal" are used in connection therewith, the utilization of any other item or make will be deemed a substitution. Substitution for the proprietary item or make specifically named may be made only in accordance with the Section hereof entitled "Workmanship and Materials" and in accordance with the following.

Whenever materials or equipment are specified or described in the Contract Drawings or Specifications by using the name of a proprietary item or the name of a particular supplier, the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of another supplier or manufacturer may be accepted by the Engineer if sufficient information and proof is submitted by the Contractor to permit the Engineer to determine that the material or equipment proposed is equivalent or equal to that named and the Engineer approves the substitution. The procedure for review by the Engineer will include the following. Requests for review of substitute items of material and equipment will not be accepted by the Engineer from anyone other than the Contractor. If the Contractor wishes to furnish or use a substitute item of material or equipment, the Contractor shall make a timely written application to the Engineer for approval thereof, certifying that the proposed substitution will perform at least the identical functions and achieve at least the identical results called for by the specified product and otherwise be equal to the specified product with regard to, but not limited to, durability, maintenance, strength, energy costs and record of proven performance. The application shall state that the evaluation and approval of the proposed substitution shall not delay the Contractor's completion of the Work as required by the Contract, whether or not approval of the substitution will require a change in the construction and, in no event will the Contractor be granted an extension of time for completion of any portion of the Work for reasons related directly or indirectly to the evaluation of the proposed substitution or to the proposed substitution itself. Any variations of the proposed substitution from that specified shall be identified in the application, and maintenance, repair and replacement services for the substitution shall be indicated. The Engineer may require the Contractor to furnish at the Contractor's expense additional laboratory test data concerning the proposed substitution.

Such submission to the Engineer shall be made only by including the requested substitution in the list of materials required to be submitted to the Engineer in accordance with the Section hereof entitled "Inspections and Rejections" within fifteen (15) calendar days after the receipt of the acceptance of the Contractor's Proposal. After the approval of said list, no substitutions will be permitted, except that a brand or make named in the Specifications may be submitted for approval in lieu of a brand or make on said list. Any such submission shall not imply, or impose on the Engineer, any obligation whatsoever to discuss, disclose or justify the reasons for his opinion, approval, acceptance or rejection.

The Engineer shall be the sole judge of as to whether a proposed substitution will be approved, and no substitution shall be ordered or utilized without the Engineer's prior written approval. The Engineer may require Contractor to furnish at Contractor's expense a special performance guarantee or other assurance with respect to any approved substitution. Furthermore, the approval of any substitute proprietary item or make shall not in any way entitle the Contractor to additional compensation therefor.

Notwithstanding such approval, however, the Contractor assumes the risk that such approved substitute item or make is not equal to that shown or specified and if at any time the substitution shall appear not to be so equal he shall replace the substitution with that originally shown on the Contract Drawings or called for in the Specifications at his own cost and reimburse the Authority for any loss occurring on account of the substitution failing to be equal, notwithstanding that it had been previously approved for use by the Engineer.

The construction called for by the Contract Drawings and Specifications may be adapted for a particular proprietary item or make of material or equipment. Therefore, if any construction not required by the Contract Drawings or Specifications in their present form is necessary or desirable because of the use of substitute item or make of material or equipment (even though such other item or make is approved by the Engineer), such construction shall be furnished or performed by the Contractor at his expense and subject to the approval of the Engineer.

15. WORKMANSHIP AND MATERIALS

Workmanship and materials shall in every respect be free from defects of any kind and shall be in accordance with the best modern practice and whenever the Contract Drawings, Specifications or directions of the Engineer where there is a doubt as to what is permissible or fail to note the quality of any construction the interpretation which calls for the best quality is to be followed. Workmanship shall conform to applicable Specifications, manufacturer's instructions and recommendations for installation of products for the applications shown on the Contract Drawings, all of which shall be subject to the provisions of the Section of Division 1 Specifications – General Provisions entitled "Inspections and Rejections".

Materials and Equipment incorporated into the Work shall be new except as may be otherwise herein specifically required, and shall comply with make, size, type and quality specified, or as specifically approved in writing by the Chief Engineer in accordance with the Section of Division 1 GENERAL PROVISIONS entitled "Substitution".

Reference to standards of any society, institution, association, or governmental authority in the Specifications or on the Contract Drawings, whether specific or by implication, shall mean for such standards which are part of the building code in effect for Work of this Contract the edition date published in such code; and such references which are not part of the building code, shall mean the latest edition date in effect at the time of opening of Proposals upon the present Contract unless specifically stated otherwise.

If required by the Engineer, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment to be employed by the Contractor in performing the Work. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the approved instructions of the applicable supplier except as otherwise provided in the Contract Drawings or Specifications.

In case of a discrepancy between a description or requirement in the Contract Drawings and Contract Specifications for any material or equipment and a catalog number or other designation for the same material or equipment (even though stated to be acceptable), the description or requirements in the Contract Drawings shall control.

In various paragraphs of these Specifications, references may be made to certain standard or tentative specifications or requirements of various organizations. Unless otherwise stated, these references are to be construed as referring to the specifications and requirements in effect on the date set for opening bids upon the present Contract.

All inventions, ideas, designs and methods contained in the Specifications and Contract Drawings in which the Authority has or may acquire patent, copyright or other property rights are hereby expressly reserved for the exclusive use of the Authority. The Specifications and Contract Drawings contain confidential information which is disclosed only to enable this Contract to be performed. Said Specifications and Drawings must not be used for any purpose detrimental to the interest of the Authority and must not be produced or copied in whole or in part or used for furnishing information to others without the written consent of the Authority, provided, however, that the Contractor may, when the performance of the Contract so requires, furnish said information to others for the purpose of engaging or informing subcontractors and materialmen.

If, in accordance with this Contract, the Contractor furnishes research, development or consultative services in connection with the performance of the Contract and if in the course of such research, development or consultation patentable subject matter is produced by the Contractor, its officers, agents, employees, subcontractors or materialmen, the Authority shall have, without cost or expense to it, an irrevocable, non-exclusive, royalty-free license to make, have made, and use, either itself or by anyone on its behalf, such subject matter in connection with any activity now or hereafter engaged in or permitted by the Authority. Promptly upon request by the Authority, the Contractor shall furnish or obtain from the appropriate person a form of license satisfactory to the Authority, but as between the Contractor and the Authority the license herein provided for shall nevertheless arise for the benefit of the Authority immediately upon the production of said subject matter and shall not await formal exemplification in a written license agreement as provided for above. Such license may be transferred by the Authority to its successors, immediate or otherwise, in the operation or ownership of any real or personal property now or hereafter owned or operated by the Authority, but such license shall not be otherwise transferable. The FTA shall have the same rights as the Authority under this paragraph.

The right to use all material, software, firmware, compositions of matter, manufactures, apparatus, appliances, processes of manufacture or types of construction required in connection with this Contract and to which a patent, copyright or other intellectual property right applies or may apply shall be obtained by the Contractor without separate or additional compensation whether the same is patented,

copyrighted or otherwise protected as an intellectual property right before, during or after the performance of the Contract.

The Contractor shall indemnify the Authority, the Construction Manager, and the FTA against and save them harmless from all loss and expense incurred in the defense, settlement or satisfaction of any claims in the nature of patent, copyright or other intellectual property right infringement arising out of or in connection with their use, in accordance with the preceding two paragraphs of this numbered clause, of such subject matter or material, software, firmware, compositions of matter, manufactures, apparatus, appliances, processes of manufacture or types of construction to which a patent, copyright or other intellectual property right applies or may apply. If requested by the Authority and if notified promptly in writing of any such claim, the Contractor shall conduct all negotiations with respect to and defend such claim without expense to the Authority. If the Authority be enjoined from using any of the facilities which form the subject matter of this Contract and as to which the Contractor is to indemnify the Authority against patent, copyright or other intellectual property right claims, the Authority may, at its option and without thereby limiting any other right it may have hereunder or at law or in equity, require the Contractor to supply, temporarily or permanently, facilities not subject to such injunction and not infringing any patent, copyright or other intellectual property right or to remove all such facilities and refund the cost thereof to the Authority or to take such steps as may be necessary to ensure compliance by the Authority with such injunction, all to the satisfaction of the Authority and all without cost or expense to the Authority. The FTA shall have the same rights as the Authority under this paragraph.

16. INSPECTIONS AND REJECTIONS

All Work and all construction, processes of manufacture and methods of construction involved in or related to the performance of the Work shall be at all times and places subject to the inspection of the Engineer, acting personally or through his Inspectors, and the enumeration in these Specifications of particular portions of such Work, construction, processes of manufacture or methods of construction which will or may be inspected by the Engineer or such Inspectors shall not be deemed to imply that only such Work, construction, processes of manufacture and methods of construction will or may be so inspected. The Engineer shall be the judge of the quality and suitability of the Work, construction, processes of manufacture and methods of construction for the purposes for which they are used or to be used. Should they fail to meet his approval they shall be forthwith reconstructed, made good, replaced or corrected, as the case may be, by the Contractor at his own expense. Rejected material shall be removed immediately from the site. The fact that the Inspectors have approved the materials and workmanship shall not relieve the Contractor from his obligation to supply other material and workmanship when so ordered by the Engineer.

The Contractor, at his own expense, shall furnish such facilities and give such assistance for inspection as the Engineer may direct. In the case of materials required by the Specifications to be inspected in the factory or plant, and in the case of any other items which the Engineer may designate, the Contractor shall secure for the Engineer and his Inspectors free access to all parts of such factories or plants and shall furnish to the Construction Manager three copies of purchase orders, two copies of mill shipping statements and four copies of shipping statements. Moreover, in the case of such materials to be

factory or plant inspected, the Contractor shall give at least ten days' notice to the Construction Manager of his intention to commence the manufacture or preparation of such materials.

other than the materials and equipment specifically required to be inspected at the manufacturer's factory or plant, all materials will be inspected at the construction site and any portions thereof which are rejected by the Engineer shall be immediately removed from the construction site by the Contractor and shall be replaced with new materials by the Contractor at his own expense.

In the case of materials to be inspected at the construction site, the Contractor shall submit a list of all such materials in triplicate to the Engineer for his approval prior to ordering same. The list shall be submitted within fifteen calendar days after receipt of the notice of acceptance and shall contain the following information:

A. Classification of submittal in accordance with the following:
   Class I - A submittal for record of an expressly specified item.
   Class II - A submittal of an item which conforms to an express generic specification or a submittal which is deemed by the Contractor to be identical to an expressly specified item.
   Class III - A submittal which is deemed by the Contractor to be functionally equivalent but not identical to a specified item.
B. In the case of Class II and Class III, the Contractor shall supply adequate information to the Engineer to enable the Engineer to compare the specified item and the proposed substitution. Information shall include, but need not be limited to, technical specifications, Catalog Cuts, drawings, references to existing installations and test data, or any other data required by the Engineer.
C. In the case of fabricated materials for which Shop Drawings are to be prepared, a brief description of the material and the statement "see Shop Drawings".
D. In the case of materials or equipment listed in manufacturer's catalogs, the list shall contain the vendor's name, the manufacturer's name, brand name, style designation, catalog number and, where the Specifications require catalog cuts, the statement "see catalog cut".
E. In the case of materials or equipment for which Shop Drawings are not to be prepared, and which are not listed in any catalog, the list shall contain a complete description of the material or equipment, which shall be in sufficient detail to describe completely the materials or equipment and quality therefor.

The Engineer shall advise the Contractor whether said list is approved or requires corrections or additions within the number of working days indicated in the chart below:

Type of Submittal	No. of Working Days for Engineer to Approve/Disapprove Items
Class I Material submittals	7
Portland Cement mix designs that require confirmation of the 28-day properties	35
Changes in asphalt mix designs that need to be confirmed with a batch mix at the plant	35
Class II Material submittals	10

Class III Material submittals	15

Failure of the Contractor to provide 30 calendar days advance notice to the Construction Manager of any submittal shall result in a five (5) working day extension of the number of days stated in the chart above. In no event shall an extension of the Engineer's review time provided for in this section relieve the Contractor from its duty to meet all contractual Milestone dates.

Within ten working days after receipt of said list, the Engineer shall notify the Contractor of which items are approved and which disapproved. Within two working days thereafter, the Contractor shall resubmit a new list covering those items which were disapproved. After each such re-submission the Engineer shall have a similar period of ten days in which to approve or disapprove.

Should materials or equipment be delivered to the construction site without having been placed on the aforementioned list and approved, it shall be immediately removed from the construction site by the Contractor at his own expense.

17. MANUFACTURERS' CERTIFICATION

Where materials and equipment are required by these Specifications to conform to certain standard or tentative specifications or requirements of any organizations, including American Society for Testing and Materials, American National Standards Institute, Association Rules for Grading Lumber, Federal Specifications, National Electrical Manufacturers Association, American Association of State Highway and Transportation Officials, American Water Works Association and the International Municipal Signal Association, the Contractor shall furnish to the Engineer the manufacturer's written certification that each of the materials or equipment conforms to the foregoing standard or tentative specifications. The certification shall be delivered to the Engineer prior to installation of the materials to which it refers. Such certifications shall not be binding or conclusive on the Authority and may be rejected at any time by the Engineer if incorrect, improper or otherwise unsatisfactory in his opinion.

18. NO RELEASE OF CONTRACTOR

Any provision of this Contract for testing, inspection or approval, and any actual testing, inspection or approval, of any materials, workmanship, plant, equipment, drawings, program, methods of procedure, or of any other thing done or furnished or proposed by the Contractor to be done or furnished in connection with the Contract is for the benefit of the Authority not the Contractor. Any approval of such things shall be construed merely to mean that at that time the Engineer knows of no good reason for objecting thereto. No such provision for testing or inspection, no omission of testing or inspection, and no such approval shall release the Contractor from his full responsibility for the accurate and complete performance of the Contract in accordance with the Contract Drawings and Specifications or from any duty, obligation or liability imposed upon him by the Contract or from responsibility for injuries to persons or damage to property.

19. ERRORS AND DISCREPANCIES

If, in the performance of the Contract, the Contractor discovers any errors or omissions in the Contract Drawings or Specifications, in the marks/lines/benchmarks furnished by the Authority, in the work of other contractors, in existing conditions, or in the construction undertaken and executed by him, the Contractor shall immediately notify the Construction Manager.

If with the knowledge of such error or omission and prior to the correction thereof, the Contractor proceeds with any construction affected thereby, he shall do so at his own risk and the construction so done shall not be considered as construction done under and in performance of this Contract unless and until approved and accepted.

20. NOT USED

21. SAFETY PROVISIONS

1. Requirements included in this section are the minimum acceptable site requirements as referenced in the current version of the Port Authority World Trade Center Site Safety, Health and Environmental Program (herein referred to as SHEP), revisions to the SHEP, as well as all local, State and Federal requirements. Where conflicts or discrepancies exist between requirements, the most stringent requirement shall govern. All required plans identified in the above Program shall be submitted to the Port Authority Construction Management Team (herein referred to as CM) and others as identified in the Program for approval prior to the performance of work.
2. The Contractor shall comply with all current and revised provisions, regulations, guidelines and recommendations issued pursuant with Federal, state, and city laws, rules, ordinances, and regulations of regulatory authorities and agencies having jurisdiction, with regard to all matters relating to the safety and health of workers, the general public, and environmental protection. Compliance with government requirements is mandated by law and considered only a minimum level of safety performance. All work shall therefore be preformed in accordance with best safe work practices recognized by the construction industry.
3. The Contractor shall be fully responsible for maintaining a safe, secure, and hygienic work place and for assuring that all work is performed in a manner that will not be injurious to safety or health, endangering to the public, or deleterious to the environment.
4. In the performance of the Contract, the Contractor shall exercise every precaution to prevent safety health and environmental hazards and incidents to site workers, the public, adjoining properties and utilities, and to secure against environmental releases. 15 days prior to the commencement of Work, the Contractor shall submit to the Engineer, for his review and approval, the Contractor's Safety Program which shall comply with all applicable federal, state, municipal and local and departmental laws and shall include, among other things, the designation by the contractor of a qualified individual to administer such Safety Program.

Only one of clauses 5, 6, or 7 below shall be applicable to the Contract. See Attachment A for clarification.

5. The Contractor whose scope of work is, or will be covered under NYC DOB Chapter 33: Safeguards During Construction and Demolition, shall monitor and enforce job site safety through daily documented inspections by a NYC DOB Certified Site Safety Manager. A Certified Site Safety Manager shall be present at the worksite during all working hours, and shall have no other responsibilities other than the implementation and management of the Contractor's health and safety plan. The candidate shall have First-Aid/CPR certification. The contractor shall provide a copy of the proposed candidate's resume and credentials for review and approval by the Port Authority prior to the individual being hired.
6. The Contractor shall have present at the worksite during all working hours a dedicated safety supervisor possessing at a minimum, a current and valid OSHA 30-Hour Construction Industry Training Card, First-Aid/CPR certification, and have at least five (5) years of documented experience as a safety professional with experience in the type of work to be performed. This safety supervisor shall be responsible for safety, health, and environmental compliance and shall have no other responsibilities other than safety management. The contractor shall provide a copy of the proposed candidate's resume and credentials for review and approval by the Port Authority.
7. The Contractor shall designate, and will have present on site with each work crew for the duration of that work shift, at least one competent person as defined by the OSHA standard 29 CFR Part 1926.32, and as elsewhere referenced in other 29 CFR Part 1926 standards, and will at a minimum perform the duties as described in 29 CFR 1926.20(b) (2). The designated competent person shall be responsible, and have the authority from their employer to take prompt corrective action to eliminate the hazard(s). At a minimum, each competent person shall posses a current and valid OSHA 30-Hour Construction Industry Training card and First-Aid/CPR certification. The Contractor shall assign, when required by a specific 29 CFR Part 1926 standard, a qualified or authorized person as defined in OSHA standard 29 CFR Part 1926.32.
8. The Contractor's duties and responsibilities for the safety and protection of the work shall continue until such time as all the work is completed and the Contractor has removed all workers, remaining materials and equipment from the Site, or upon the issuance of the Port Authority Certificate of Final Completion, whichever shall occur last.
9. The Contractor shall promote a Drug, Alcohol & Smoke Free Workplace with their employees and will communicate what constitutes prohibited activities while performing work or providing services on the World Trade Center Site during their safety orientation. Workers that are found to be under the influence of or in possession of alcohol and/or illegal drugs, in possession of weapons, or smoking anywhere on Site shall be immediately removed and/or dismissed from the WTC Site with their WTC Site access credentials revoked, and/or subject to criminal prosecution as warranted by their action(s). As per the NYC Fire Code, section 1404.1 and NYC Building Code, sections 3301.1.2 and 3303.7 smoking on any construction site, inclusive of the WTC Site, is strictly prohibited and violations may be issued to the contractor and/or other relevant parties.
10. The Contractor shall have a progressive disciplinary action program for all personnel who fail to enforce, follow or comply with established policies and procedures. Disciplinary action shall be handled through a 3-Strike Policy (i.e., 1-verbal, 2-written and/or limited removal from the WTC site, 3-limited to permanent removal from the WTC from the site), however, depending on the seriousness of the violation, immediate revocation of the employee's WTC Identification Badge can occur, as referenced in section 9. Records shall be available for review by the Port Authority.

11. For work performed under OSHA 29 CFR 1926 Subpart M: Fall Protection, each contractor shall submit to the CM prior to the start of work a comprehensive and enforceable 100% Fall Protection and Prevention Program consistent with Subpart M as well as the requirements outlined in the WTC Site Safety, Health, and Environmental Program. This program shall be followed by all employees, vendors, and consultants when working or walking on all unprotected vertical or horizontal side and edge, scaffold, and locations as identified in Subpart M, at a height equal to or greater than six feet above a lower level, or at any height above a dangerous process, operation, or piece of equipment. Fall protection systems shall be designed by qualified person, and installed and maintained by a competent person.
12. For work performed under OSHA 29 CFR 1926 Subpart R: Steel Erection, each Contractor shall submit to the CM prior to the start of work a comprehensive and enforceable fall protection plan.
13. The Contractor shall submit to the CM prior to the start of work a comprehensive and enforceable plan outlining the securing and anchorage of all materials and equipment to resist uplift attributable to high wind hazards.
14. The CM shall and ensure that all contractors provide a site safety orientation training session to their workers upon initial assignment. All site workers shall attend weekly "tool-box" training sessions held by the contractor who shall distribute meeting information to all project workers.
15. The Contractor shall ensure workers, and all sub-contractor workers are properly trained, and as required have in their possession while on-site valid and appropriate license(s), and/or certificate(s) consistent with regulations, laws, and best industry practices specific to their work activities and the tools/equipment being used as per manufacturer specifications. At a minimum, employees working at the World Trade Center site shall have a valid OSHA 10-Hour, 30-Hour Construction Safety and Health Certification card or be an authorized OSHA trainer for the construction industry. This certification must be renewed every five (5) years. A training matrix shall be readily available for review and audit on site.
16. Depending upon the severity of a site condition or circumstances surrounding an accident or incident, the Port Authority may require the Contractor to order a "Safety Stand-down." Examples of conditions and circumstances that may prompt a Stand-down include, but are not limited to:
    a. Failure to maintain a safe and healthy work environment that could potentially result in danger to workers or the general public;
    b. Recurring deficiencies;
    c. Willful disregard of safety requirements;
    d. Fatality, fire, explosion, significant injury, accident, or incident;
    e. Chemical Release or Spill;
    f. Failure to comply with Environmental Performance Commitments.

    The length of the Safety Stand-down shall be determined by the extent and severity of the incident, and condition of the work area to safely allow work to resume. During the Stand-down, the contractor shall:
    a. Inform the work crew as to the circumstances and reasons requiring the Stand-down;
    b. Identify the type of training / re-training required;
    c. Determine the type and extent of equipment / tool / machine inspection, perform the inspection, report findings, and correct

    A safety stand down is not a reimbursable event and the contractor responsible shall bear full financial responsibility for the event.

17. The Contractor shall obtain and submit to the CM, Material Safety Data Sheets (MSDS) for all materials to be stored, and used in the work. The MSDS shall be readily available whenever required, in a convenient location, in close proximity to where the materials are used on the project. All workers shall have ready access to the MSDS. The Contractor is responsible for full compliance with OSHA Hazard Communication Standard, 29 CFR 1910.1200.
18. The Contractor shall establish a housekeeping program to ensure that debris, trash, slippery items, standing water, spills, and combustible materials are removed off floors and other surfaces daily. At no time will access and egress ways be obstructed, indistinguishable, or maintained in disrepair.
19. The Contractor shall establish the required programs, practices, means and methods to address and control the hazards associated with their work. Examples of such plans include, but are not limited to fall protection, fire protection and prevention, scaffold use, material handling and sling use, and hand/power tool safety.
20. Each Contractor shall prepare an Emergency Action Plan as described in OSHA 29 CFR 1926.35, establish and maintain at all times at least two access and egress ways on their project, participate in WTC Site wide incident planning meeting, response and evacuation drills, and identify key support personnel.
    In the event of an emergency impacting the Site, the public, adjoining property and utilities, or the environment, the CM may order continuous work with an increased work force for such time necessary to eliminate the emergency.
21. As required by the WTC SHEP, or when directed by the CM, a Job Hazard/Safety Analysis (JHA) shall be prepared. For example, a JHA shall be required, at a minimum, for Confined Space Entry Operations, Excavations requiring shoring or bracing, Critical Lifts or any non-routine hazardous operation. Prior to an activity for which a JHA Analysis was prepared, a pre-work job briefing will be held with the work crew, foremen, competent person, safety supervisor, and site safety manager and a record of this document shall be on site for review.
22. The Contractor shall in accordance with the Port Authority Owner Controlled Insurance Program (PA OCIP) Guide to Contractors and all terms and conditions of applicable insurance policies, promptly report in writing to the CM and to the Port Authority Manager, Claims Administration all accidents whatsoever arising out of or in connection with the performance of the Contract, whether on or adjacent to the construction site, which result in death, injuries, property damage, and/or exposure of people to chemicals or hazardous materials, giving full details and statements of witnesses. In addition, if death, serious injuries or serious damage is caused, the accident shall be reported immediately by telephone of the said representatives of the Port Authority.
23. The Contractor shall provide at the construction site such equipment and medical facilities as are necessary to supply first aid service, in case of accident, to anyone who may be injured in the progress of the Contract. The Contractor shall have standing arrangements for the removal from the site and hospital treatment of any person who may be injured while engaged in the performance of the Contract. The Contractor shall provide two (2) First Aid/CPR trained individuals at the construction site to administer first aid, if required.
24. If any claim is made by any third person against the Contractor or any subcontractor on account of any accident, the Contractor shall promptly report the fact in writing to the aforementioned representatives of the Authority, giving full details of the claim and cooperate throughout the disposition of the claim in accordance with the instructions and requests of all claim investigators.

25. Each Contractor shall utilize the Port Authority Safety Management System Tracking Tool to document and track safety, health and environmental performance.
26. As required each Contractor shall complete and submit for approval Personnel Platform Lift Plans, Hot Work Program, Lifting Plans and similar documentation prior to the performance of such operations to the CM as identified in the Program or as required by the CM.
27. Each Contractor shall on a daily basis inspect their motor vehicles, and mechanized equipment used at the WTC Site. At a minimum, the requirements of 29 CFR 1926, Subpart O shall be followed. Any vehicle or mechanized piece of equipment not in acceptable working condition shall be immediately removed from service. A log shall be maintained on site for review and audit.
28. Each Contractor shall submit to the CM prior to the start of work a comprehensive and enforceable plan addressing the performance of any abrasive blasting, surface scarification, steam or water blasting, or high pressure water cutting.
29. Each Contractor shall submit to the CM prior to the start of work a comprehensive and enforceable plan identifying all proposed access routes, staging areas, crane locations, temporary traffic signal controls, worker and pedestrian crossings, vehicular and pedestrian gates for exit and entry, barriers, barricades, lighting, and fencing. The construction of temporary structures, other than those noted on Contract Drawings, shall require approval from the CM.
30. Prior to an activity which will impede, alter, impair, block, or in any way deactivate an active standpipe, sprinkler system, smoke detection system, hydrant, or existing fire protection or prevention system the Contractor shall notify the CM. Prior to performing an activity described above, the contractor shall submit to the CM for approval the following:
    a. Date and duration of the impairment
    b. Location and Scope of work
    c. Area(s) impacted
    d. Name of contractor performing work
    e. Type of interim fire protection system that will in-place during impairment
    f. Method of communicating emergencies
    g. Name of person performing final inspection to verify work is complete and normal fire protection/prevention is active
    h. Method of notifying CM of completion
31. The Contractor shall comply with the Rules of the City of New York (3RCNY§11-01) whereby all buildings under construction are subject to regular inspections conducted by the NYC Fire Department, Administrative Fire Company and the Bureau of Fire Prevention Construction, Demolition and Alteration (CDA) Civilian group.
32. A minimum of two (2) business days prior to any excavating, the Contractor shall notify the CM. The Contractor shall notify the NYC One Call Center to allow member agencies to mark locations of underground utilities prior to any excavating and confirm such notifications with the CM.
33. Any hazardous waste shall be disposed of in accordance with applicable law and implementing regulations.
34. In case of emergency involving danger to life, person or property, the engineer may order continuous work with an increased force for such time as he may deem necessary to eliminate the emergency.
35. The Contractor is responsible to guard, maintain and protect the wires, cables, ducts, manholes, posts and poles, signals, fire hydrants, and alarm boxes of the NYC Fire Department and not

cause any interruption of the Fire Department Fire Alarm Telegraph Service. In case any such wires, cables, ducts, manholes, posts and poles, signals, fire hydrants or alarm boxes shall be disturbed, it shall be restored to its original condition.

36. In the event that the Contractor encounters at the construction site, material reasonably believed to be asbestos, polychlorinated biphenyl (PCB) or any other hazardous material, the Contractor shall immediately stop Work in the area affected and report the condition in writing to the Engineer. Work in the affected area shall not thereafter be resumed by the Contractor except upon the issuance of a written order to that effect from the Engineer.

22. SAFETY REQUIREMENTS FOR PERFORMING WORK ON TRANSIT PROPERTY

The safety requirements set forth in the provisions of the clause entitled "Safety Provisions" are also applicable to the Work performed on Transit property under this Contract. In addition, the following Transit-specific requirements are applicable to Work performed on Transit property.

A. The Contractor's Safety Program shall include an Emergency Preparedness and Response Plan addressing the identification of and potential for environmental accidents and emergencies associated with site-specific construction activities, and addressing the appropriate security, control, response, drill, training and notification measures to be implemented.
B. The Contractor's Safety Program shall include descriptions of safety hazards at the work site, proposed measures to minimize/eliminate the safety hazards, project-specific safety procedures, and site security measures.
C. The Contractor's Safety Program shall include a provision for maintenance of safety records and their retention for at least two years beyond Final Completion of the Work.
D. Regarding requirements for reporting of injuries, accidents and any associated claims, the Contractor shall provide copies of all required documentation to the Engineer, for injuries and accidents on Transit property.
E. Regarding requirements for submittal of material safety data sheets (MSDS), the Contractor shall provide copies of all required documentation to the Engineer prior to hazardous chemicals/materials being brought onto Transit property.
F. If any portion of the subway structure or finish is damaged, it shall be repaired or replaced with the same materials in place, subject to the approval of the Engineer, at the expense of the Contractor.
G. Subway emergency exits must be kept clear at all times except as permitted by explicit written directive of the Engineer.
H. Welding to or drilling through existing Transit steel structures will not be permitted unless specifically shown on the structural Contract Drawings.
I. Before the start of any work, the Contractor shall make an examination, in the presence of Transit and the Engineer, of the interior and exterior of the Transit subway or other structure adjacent to the proposed work. The person or persons authorized by the Contractor to make these examinations shall be approved by the Engineer. The Contractor shall take all photographs as may be necessary or ordered to indicate the existing condition of the Transit structure. One copy of each photograph, eight inches by ten inches in size, and the negative is to be submitted to the Engineer before the start of construction.
J. Protection of Subway Facilities. If shields are to be installed to protect Transit facilities and/or the public, then plans showing the location, type and method of attachment to the Transit

structure must be submitted by the Contractor to the Engineer for approval.All lumber and plywood used for protection of subway facilities at street level must be fire retardant; below street level, use fireproof material.

K. Horizontal and vertical control survey data by a Licensed Surveyor is to be taken of the existing Transit structure to monitor that there is no horizontal and vertical movement of the tunnel box.

L. Tractors, cranes, excavators, etc. used in the vicinity of Transit structures shall be isolated from the ground. Since Transit structure is used as a negative return path, with a consequent potential between it and the ground, any contact between the structure and grounded equipment could result in burning of the steel.

M. If new concrete construction is joined to existing concrete, dowels and keyways are to be used in accordance with the Contract Documents.

The contractor Safety Program shall address the safety requirement defined in the New York City Transit Safety Program. See Exhibit X – NYCT Safety Program.

23. DAILY PROGRESS, EQUIPMENT AND LABOR REPORTS

The Contractor shall furnish to the Construction Manager at the end of each day Work is performed at the construction site, a memorandum showing for that day (a) the construction performed (including floor levels, location, progress amounts), (b) the type of equipment used identifying each piece of equipment as owned by the Contractor or rented from others; (c) temperature and weather conditions, (d) a statement of any unusual happening that occurred on a trade by trade basis, (e) the names and number of workers in each trade classification that were employed; and (f) clean-up records in sufficient detail to enable, if applicable, effective charging to other contractors. Such memorandum shall not be deemed to be a substitute for the notices, time slips, memoranda or other data required under the clauses of the Form of Contract relating to compensation for Extra Work.

24. LAWS AND ORDINANCES

In order to effectuate the policy of the Authority, the Contractor shall comply with all provisions of federal, state, municipal, local and departmental laws, ordinances, rules, regulations and orders which would affect the Contract and the performance thereof and those engaged therein if said Contract were being performed for a private corporation, except where stricter requirements are contained in the Specifications or Contract Drawings, in which event the latter requirements shall apply. However, the Contractor shall not apply for any permits, licenses or variances in the name of or on behalf of the Authority and Construction Manager, but shall do so in his own name where required by law, regulation or order or by the immediately preceding sentence. Nor shall the Contractor apply for any variance in his own name without first obtaining the approval of the Authority.

25. IDENTIFICATION

No person will be permitted on or about the construction site without a pass, permit or identification badges approved by the Construction Manager and Authority. The Contractor shall provide such passes, permits or identification badges for his employees, subcontractors and materialmen whenever

necessary. Identification badges shall be worn in a conspicuous and clearly visible position by all employees of the Contractor whenever they are working at the construction site.

26. SIGNS & ADVERTISEMENTS

A. No advertisement or sign, other than the name and address of the Contractor, will be permitted on any fences, temporary structures or elsewhere on the construction site and such advertisement will be permitted only upon the condition that it is first approved by the Authority. In any event, the advertisement shall not exceed six feet by eight feet in overall dimensions.
B. Contractor, its Subcontractors, suppliers, etc. shall not use the site, the Project name or their affiliation with Construction Manager or The Port Authority of New York and New Jersey for publicity or advertisement of any kind whatsoever without first obtaining the written approval. Signs will not be permitted on the site without the prior written consent.

27. CONTRACTOR'S FIELD OFFICE, REPRESENTATION AND ADMINISTRATION

A. The Contractor shall maintain a competent Superintendent or Foreman at the site during any time that this Contractor is working at the site. The Superintendent or Foreman shall be approved by the Construction Manager. Contractor shall issue to its key personnel, radios that are on the same frequency as one of the Construction Manager's channels to ensure proper communication in the event of a requirement to notify all site personnel. All costs for this communication requirement shall be included in the Contract Price.
B. During the performance of any Work at the construction site, the Contractor shall have a representative thereat who shall be authorized by the Contractor to receive and put into effect promptly all orders, directions and instructions from the Construction Manager. The Contractor's representative shall be provided, at all times, with a conformed copy of this Contract and a set of the Contract Drawings.
C. Contractor shall maintain a field office near the construction site. There is limited space to place or locate office trailers and/or shanties on site, however the contractor may locate such facilities within the areas of the WTC Transportation Hub to be occupied by the permanent construction provided that such facilities do not interfere with its own Work or the Work of others, and is approved by the Construction Manager.
D. Prior to December 31, 2011, due to ongoing construction operations, it is unlikely that it will be practical to construct semi-permanent shanty structures, hence the use of office trailer(s) will be encouraged. The Contractor shall pay for, place, relocate and remove any and all of its required office trailer(s) or shanties when and where directed by the Construction Manager. If shanty structures are used they shall be "knock-down" type construction, built below the slab, using fire resistant materials in full conformance with the NYC Building Department requirements. The Contractor shall furnish their own means of fire protection including fire extinguishers, posting a fire watch, etc. when performing any burning, welding, use of torches, etc. Fire protection to meet applicable codes for temporary shanties shall be the responsibility of each respective Contractor. All shanties shall be of fireproof construction.
E. Orders and directions may be given orally by the Construction Manager and shall be received and promptly obeyed by the Contractor or his representative or any superintendent, foreman or

other employee of the Contractor who may have charge of the particular part of the Work in relation to which the orders or directions are given. A confirmation in writing of such orders or directions will be given by the Construction Manager when so requested by the Contractor.

F. The Contractor shall have the capability to send and receive electronic mail (e-mail) to and from the Construction Manager. Contractor shall provide to the Construction Manager the e-mail addresses of their Project team.

G. The Construction Manager may require the Contractor to remove immediately any employee, subcontractor or agent of Contractor or any of Contractor's subcontractors employed at the Site whom the Construction Manager or Engineer deem incompetent or a hindrance to the proper progress of the Work, and such person shall not again be employed in the Work without the prior written consent of the Construction Manager. Workers shall not use loud and/or abusive language and offenders shall be dismissed. Workers shall not deface any portion of the site or any temporary facilities. Smoking is prohibited at the site. The removal of any of the Contractor's employees, subcontractors or agents shall not excuse its obligation to timely and properly complete its Work. Contractor acknowledges and agrees that Construction Manager is not the project general contractor, that the Contractor is directly and solely responsible for the safety of its Work, employees and anyone else for whom it is responsible, and that it shall indemnify Construction Manager against any claims or costs caused by the Contractor's failure to safely perform its Work.

H. The Contractor shall provide the Construction Manager and the Authority with the phone numbers of its key personnel to maintain emergency contact at all times (during all hours and days of the week).

28. SURVEYS

A. The Authority will establish a benchmark and an axis line at or adjacent to the location of the Contractor's operations. The Contractor shall perform all surveys which may be required for the performance of the Contract. He shall carefully preserve any base line and bench mark which may be established by the Authority.

B. The Contractor shall, if called out in Attachment A - Scope of Work, furnish to the Construction Manager, without additional compensation therefor, any or all information and data regarding points, lines, grades, elevations and other survey information established by the Contractor during the performance of the Contract.

C. Surveys and measurements of quantities for purposes of computing Contractor's compensation (where applicable: see "Compensation for Extra Work") shall be made by the Contractor as directed by and in the presence of, or jointly with, the Engineer, at the Engineer's option. Computations of quantities for payment shall be made by the Contractor and shall be subject to the approval of the Engineer.

D. The Contractor shall be fully responsible for all layout of its Work off of the property line offsets, one north-south axis line, one east-west axis line, and bench marks established by the Construction Manager at Ground Level. All subsequent layouts including bringing up the building axis lines and bench marks shall be performed by the Contractor who shall solely be responsible to maintain the line and grade required.

E. Work that is out of specified tolerance and/or does not meet other project requirements under this Contract shall be corrected, repaired or replaced immediately so as not to delay project

construction schedules or else at a later time as directed by the Contractor, at no additional cost.

29. TEMPORARY STRUCTURES

Unless otherwise provided in this Contract, the Contractor shall determine the need for and shall design, furnish and construct all barricades, fences, staging, false work, formwork, shoring, scaffolding and other temporary structures required in the performance of the Contract, whether or not of the type enumerated in the Specifications or on the Contract Drawings, including those which would be required by law or regulation if this Contract were being performed for a private corporation. All such temporary structures shall be of adequate strength for the purposes for which they are constructed and shall be provided with graphics, warning signs and warning lights as required to inform personnel and the public of the hazards being protected against, and the Contractor shall maintain them in satisfactory condition. The design and drawings for such structures are to be prepared by the Contractor, and when requested by the Engineer they shall be submitted for the Engineer's review before being used. Neither such approval, however, nor any requirements of the Construction Manager, the Specifications or the Contract Drawings shall relieve the Contractor of his responsibility for the design, construction and use of the temporary structures or from any obligations and risks imposed on him under this Contract, and any such approval or requirements shall be deemed merely to relate to minimum standards and not to indicate that the temporary structures are adequate or that they meet the Contractor's obligations under this Contract.

Temporary structures shall be painted with an approved dark color paint and shall be repainted whenever necessary during the period that the Contract is being performed. Upon completion of all Work under this Contract, the temporary structures shall be removed from the construction site.

30. PERMIT AND REQUIREMENTS FOR WELDING

Prior to the commencement of any cutting or welding operations at the construction site, the Contractor shall notify the Construction Manager and obtain an Authority cutting and welding permit. The Authority will issue this permit without payment of a fee, and application forms may be obtained from any Resident Engineer of the Authority, at his office at the facility. Unless otherwise approved by the Engineer, all cutting and welding operations shall be performed in accordance with the conditions which form a part of said permit. The permit application must be filled out and submitted in duplicate to the Construction Manager at least forty-eight hours prior to commencing welding or cutting operations at the construction site.

31. FINAL INSPECTION

When, in the opinion of the Contractor, the construction is completed and ready for final inspection, he shall so notify the Construction Manager and Engineer in writing and the Engineer will give said construction (including any portions with respect to which Certificates of Partial Completion have been issued) a minute and thorough inspection. Before any Certificate of Final Completion will be issued, any defects or omissions noted on this inspection must be corrected by the Contractor.

32. WARRANTIES

The Contractor shall expeditiously remove, replace and/or repair at its own expense and at the convenience of the Authority any faulty, defective or improper Work, materials or equipment existing or discovered within one (1) year from the date of issuance of a Certificate of Final Completion by the Authority or for such longer period as may be provided in the Drawings, Specifications, Special Conditions or other Contract Documents. Without limiting the generality of the foregoing, the Contractor warrants to the Authority that all materials and equipment furnished under this Contract will be of first class quality and new, unless otherwise required or permitted by the other Contract Documents, that the Work performed pursuant to this Agreement will be free from defects and that the Work will strictly conform with the requirements of the Contract Documents.

The Specifications may provide for certain warranties of portions of the permanent construction. These warranties are intended for the greater assurance of the Authority and not as a substitute for rights which the Authority might otherwise have. Although such warranties shall be enforceable as provided, neither any requirement of this Contract with respect to warranties by the Contractor nor any guarantee or warranty given to the Contractor or the Authority by any manufacturer shall be deemed to be a limitation upon any rights which the Authority would have, either expressed or implied, in the absence of such guarantees or warranties.

33. UTILITY RECORD DRAWINGS

Prepare, on sheets 22" x 34" or other size approved by the Engineer and electronically in AutoCAD, drawings showing the exact locations and elevations of underground utility construction including manholes, catch basins, inlets, pipe lines and structures for carrying gases (including air) and fluids including water, storm drainage, sewage, oil, chemicals, electrical duct runs, cables and conduits, for new construction or extension of existing utilities installed underground under this Contract. Submit to the Engineer, for verification and approval, tabulation of the data to be used in the preparation of the utility record drawings. Do not build-in, backfill or fill over or around or in any way cover underground structures, piping, conduit, cable or duct banks until such submitted data has been verified and approved by the Engineer.

Indicate the exact locations, including changes of direction and curves, by the use of offset distances from nearby permanent structures and, in addition, by the use of coordinates which shall be based on the system of coordinates used at the construction site, the origin of which is shown on the Contract Drawings. Base elevations on the datum used at the construction site as is shown on the Contract Drawings.

Submit prints of these drawings to the Engineer for verification, check of the accuracy, and for approval. Make indicated corrections and additions to the drawings, until the approval of the Engineer has been obtained. After these drawings have been approved by the Engineer, each of the original corrected sheets shall be marked "RECORD DRAWING – NOT FOR REVIEW", dated and signed by the Contractor and turned over to the Engineer before issuance of the Certificate of Final Completion, and such original drawings shall become the property of the Authority. By signature, the Contractor is verifying that the drawing reflects the as-constructed condition.

34. TEMPORARY UTILITY SERVICES

Operate and maintain temporary services and facilities in a safe and efficient manner. Modify as required throughout progress of the Contract, and remove from Authority property when no longer required, or replaced by the use of completed permanent facilities as approved by the Engineer.

Heat is not available at the construction site. Provide temporary heat as required to maintain environmental conditions to facilitate progress of the Work and to protect materials and finishes from damage due to temperature and humidity. Temporary heating units shall be vented self-contained units with individual space thermostatic control, shall be UL tested and approved for the fuel being consumed, shall be installed in accordance with ANSI A10.10 "Safety Requirements for Temporary and Portable Space Heating Devices and Equipment Used in the Construction Industry", and shall be approved by the Engineer. Use of gasoline burning space heaters, open flame, or salamander type heating units is prohibited. The Contractor shall pay costs of installation, maintenance, operation, removal, for fuel consumed, and for suitable storage and handling of fuel.

Electricity is available at the construction site for the Contractor's use in accordance with Attachment G, subject to such conditions and precautions upon its use as may be imposed by the Construction Manager and Engineer. The Authority will pay the cost of power used. Provide connections to existing facilities and size to provide service required for small tools and lighting. Install circuit and branch wiring with ground-fault protection, with area distribution boxes for plug-in connection of construction-type power cords. The Contractor shall pay all costs of installation, maintenance, operation and removal of temporary service connections.
Water for construction purposes is available at the construction site in accordance with Attachment G, subject to such conditions and precautions upon its use as may be imposed by the Construction Manager and Engineer. The Authority will pay the cost for water used. Provide connections to existing facilities, and extend with branch piping, taps and hoses as required. Protect piping and fittings against freezing. The Contractor shall pay all costs of installation, maintenance, operation and removal for temporary service connections.

35. TEMPORARY SANITARY FACILITIES

Unless specifically stated elsewhere in the Contract Documents, temporary sanitary facilities will be provided by others. See Attachment A (Scope of Work) for specific components of these facilities to be provided as a part of the Contract.

36. PROGRESS SCHEDULE

A. The Contractor shall, at its own expense, prepare, maintain and update detailed electronic progress schedules for the Construction Manager's review and approval. Each progress schedule shall bear the signature of the Contractor's authorized representative. The progress schedules/graphics required by this Contract shall be produced using Primavera Project Manager (P6), Version 6.2.

B. Progress schedules shall be sufficiently detailed to accurately depict all the Work (including any design, key submittals, procurement and construction activities performed by the Contractor) and shall graphically represent the logical sequence and duration of activities, all in accordance with the requirements of the Contract. No single activity shall have a duration greater than two weeks. The information provided in progress schedules shall also include, but not be limited to, the interdependencies between the Contractors' Activities and all other Activities required for the successful completion of the Contract, e.g., those to be performed by utility companies or by other contractor other contractors or agencies. All Milestone dates specified in the Contract shall be represented in the schedule by Milestone activities that are logically interrelated to the work that must be accomplished in order to achieve the Milestone.

C. Contractor shall coordinate with Construction Manager staff in developing a Work Breakdown Structure that can be standardized and integrated into the Program Integrated Master Schedule. Contractor shall include INTERPROJECT and INTRAPROJECT MILESTONES as directed by the Construction Manager to facilitate the logical linking of schedules.

D. The submittal of Progress Schedules under this section shall not be deemed to be a substitute for the reporting requirements of the Section of Division 1 entitled "Daily Progress, Equipment and Labor Reports."

E. Within twenty (20) calendar days of the acceptance of the Contractor's Proposal, the Contractor shall submit a proposed Baseline Schedule containing the Contractor's projected plan and schedule to complete all Work required by the Contract within the time(s) for completion required by the Contract.

F. A schedule showing time(s) for completion other than those required by the Contract will not be accepted. Schedules containing more than 2 (two) "open end" activities (an activity which has no successor or predecessor relationship to other activities) will not be accepted.

G. The Contractor shall submit to the Construction Manager not less frequently than once a month, on the 7th calendar day of the month (or first business day thereafter if the 7th calendar day falls on a weekend), an update of the Current Progress Schedule. Schedule updates shall status the actual performance and progress of the Work and depict any changes. Any changes to the Contractor's schedule must be clearly noted (e.g. bubbled) and a narrative must be provided describing all changes, the genesis of the changes, along with a recommended recovery plan for each change.

H. No action on the part of the Contractor pursuant to this Section shall be construed as a request by him for an extension of the time. A request for an extension of time shall be deemed made only if it complies with the requirements of the clause of the Form of Contract entitled "Extensions of Time". No extension of the time(s) for completion shall be inferred because of any action, omission to act, or statement on behalf of the Construction Manager pursuant to this Section. Extension of time, if any, shall be granted only pursuant to the clause of the Form of Contract entitled "Extensions of Time".

I. The Contractor acknowledges and agrees that he is not entitled to an extension of time for impacts that do not extend the contractual end date of the project.

J. Schedule float time disclosed or implied is for the use of either party, for the benefit of the Project as determined by the Engineer.

Techniques such as preferential sequencing, special lead/lag logic restraints, extended activity times or imposed dates that tend to sequester float shall be cause for rejection of the Detailed Project Schedule and any revisions or updates.

37. SITE ACCESS AND STAGING RESTRICTIONS

In addition to all other conditions and requirements of the Contract the Contractor shall access the work in accordance with requirements herein and in Attachment E- Site Logistics.

A. The WTC Site is a single unified site within which any number of contractors may be performing work simultaneously. For this reason access points to the various parts of the site for the various contractors are maintained.
B. The WTC Transportation Hub site is contained within and can only be reached through the larger WTC Site. Entry to the WTC Site shall at all times be subject to the conditions defined elsewhere in the Contract.
C. The WTC Transportation Hub site lying within the WTC Site at or about street level has two (2) Entry/Exit points. The Contractor shall be responsible to design, construct, maintain, operate, and subsequently remove such structures as may be necessary for the Work of this Contract to access the WTC Transportation Hub site within these points. All access facilities required by the Contractor shall be provided by him and shall be located nowhere other than within the zone of his work limits; such structures shall be located and configured in accordance with requirements of the Clause of the Contract entitled "Operations of Others". Access structures may be created by any combination of existing, temporary, and new construction. The Contractor shall be required to verify the capacity of existing or new structures with the Engineer. All such uses of permanent structures shall be subject to approval of the Engineer.
D. The two (2) Entry/Exit points are designated as: 1) Fulton Street Entry/Exit; and 2) Church Street Entry/Exit. The Entry/Exit points shall be governed by the following:
    1. Fulton Street Entry/Exit. The access shall be shared on a half and half basis with the Tower 2 contractors, except that the east zone shall be dedicated to WTC Transportation Hub use and to be shared with others performing Work directly related to the WTC Transportation Hub, until such time as the area is required to be vacated.
    2. Church Street Entry/Exit. The access shall be shall be shared with others performing Work directly related to the WTC Transportation Hub until such time as the area is required to be vacated. The Contractor shall also accommodate and share the entry point along the perimeter with the contractor/s for the Oculus Structure when so directed by the Authority.
E. Access to the Work via Work Trains at the PATH Station Track Level shall be in accordance with the Clauses of the Contract entitled "Work Trains and Transfer Yard", "PATH Conditions and Precautions", "Hours of Work" and other related requirements.
F. All Equipment required by the Contractor to perform the Work of this Contract, and the cost therefor including for rental of equipment described in this Clause, is the responsibility of the Contractor and shall be included in the Lump Sum.

38. ENVIRONMENTAL PERFORMANCE COMMITMENTS (EPCS)

The Contractor shall adhere to all environmental requirements in accordance with Exhibit XIV.

39. CONTRACTOR'S QUALITY PROGRAM REQUIREMENTS

The Contractor shall adhere to all QA/QC Program Requirements in accordance with Exhibit XVII.

40. MAINTENANCE OF TRAFFIC AND WORK AREA PROTECTION

A. Definitions

As used in this numbered Section, and this Section only, the terms used herein shall have the following meaning:

1.) The terms "Traffic Lane", "Lane", "Active Roadway", "Street", and "Roadway" shall mean, in addition to the normally traveled pavement areas, other areas including but not limited to ramp terminal gore areas, roadway shoulders, and all other areas that may foreseeably be occupied by moving vehicles.

2.) "Nighttime Hours" shall mean the local time period between 1/2 hour after sunset to 1/2 hour before sunrise.

3.) "Work Area" shall mean the area immediately surrounding the Work in progress, typically where workers are afoot, and/or the space within a Roadway where Work on the Roadway is being done by the Contractor.

B. General Requirements

Conform to requirements of this numbered Section, the Contract Drawings and the following:

1.) Portions of the latest editions, including all amendments thereto, of the Federal Highway Administration (FHWA): "Manual on Uniform Traffic Control Devices" (MUTCD) Part VI as hereinafter specified and applicable portions of the companion "Traffic Control Devices Handbook" (TCDH); "Standard Highway Signs"; "Standard Specifications for Construction of Roads and Bridges on Federal Highway Projects"; and, the "Standard Color Tolerance Charts".

2.) American Association of State Highway and Transportation Officials (AASHTO): "Roadside Design Guide", Chapter 9: Safety Appurtenances for Work Zones; and "Standard Specifications for Highway Bridges", as hereinafter specified.

3.) The requirements of the Americans with Disabilities Act (ADA) laws in all respects as specified in the "ADA Accessibility Guidelines for Buildings and Facilities" (ADAAG).

4.) American Traffic Safety Service Associations (ATSSA): "Guidelines for the Use of Portable Changeable Message Signs".

5.) Maintenance of traffic and Work area protection features included herein and as shown on Contract Drawings.

6.) In the event of a technical conflict between a requirement in the publications referenced herein and the Contract documents, the requirements of the Contract documents shall control, unless otherwise directed by the Engineer.

C. Contractor-Furnished Materials and Equipment

1.) Provide and maintain in good working order all materials, equipment, temporary construction signs and facilities required for proper maintenance of traffic and Work Area protection, as specified herein. All said equipment/devices shall remain the property of the Contractor unless otherwise shown on the Contract Drawings.

2.) All items provided under paragraph C.1 shall be new or undamaged previously used materials in serviceable condition conforming to requirements specified herein.

D. General Work Area Protection

1.) Prior to commencement of each day's Work:

a. Ensure that construction material and equipment not removed from areas of Work during non-working periods are protected in such a manner that they shall not constitute a traffic hazard.

b. Do not park any vehicles other than construction vehicles required for construction operations within the demarcated protected areas of Work.

2.) Throughout progress of Work of this numbered Section:

a. Maintain visual and physical accessibility to fire hydrants. Provide 24 hour advance notice to the Engineer in the event of hydrant obstruction.

b. Conduct Work area protection operations so that Traffic Lane ingress and egress to intersecting Roadways, adjacent structures or property, and bus and taxi stops, if any, can be maintained. Obtain the approval of the Engineer and provide 24 hours advance notice to the Engineer in the event that Work area protection operations obstruct access to work areas.

3.) Use temporary Vehicle-strong barriers at all times when materials and/or equipment are left in the Work Area without the presence of workers, unless otherwise shown on the Contract Drawings or when otherwise directed by the Engineer.

4.) Vehicles used by the Contractor during performance of Work shall be considered as equipment vehicles and when not protected by a Vehicle-strong barrier, said vehicle shall be protected by a back-up truck, unless otherwise shown on the Contact Drawings.

E. Notwithstanding provisions herein requiring or permitting the Authority to approve or disapprove of any traffic control or delineation and guiding device provided by the Contractor, the Contractor shall be responsible for the suitability and performance of all such traffic control devices such that inconvenience to the traveling public is held to an absolute minimum.

41. CONDITIONS AND PRECAUTIONS

A. Construction Site Conditions:

1.) Notwithstanding restrictions specified elsewhere herein, during the time the Contractor is performing the Work, it may at times be necessary, because of emergency conditions, to suspend the Contractor's operations or to postpone the time at which a work area becomes available for performance of Work. Should the Contractor be specifically directed to suspend operations in a work area specified herein to be available for operations of the Contractor, or should such work area not be available by the times specified elsewhere in the Contract, and if solely because of such suspension of operations or late availability of the work area, the Contractor is necessarily kept idle at the construction site, the Contractor will be compensated as stipulated in the provisions of the Contract concerning compensation for emergency delays.

2.) At least 7 days but not more than 10 days prior to performing excavation, call 1-800-272-4480 and provide the information required for excavation(s) in New York and call 1-800-272-1000 and provide the information required for excavation(s) in New Jersey.

3.) No vehicles of the Contractor, employees of the Contractor, subcontractors, materialmen or others over whom the Contractor has control will be permitted to park in or on Authority property, except for construction vehicles which will be permitted to park at the area of Work during the times when the Work is being performed.

All vehicles, including construction vehicles and company vehicles will be required to pay the appropriate tolls for each passage or crossing of Authority facilities, or parking at Authority lots.

4.) Securely fasten material or construction which must be left in place between working periods in a manner approved by the Construction Manager so as not to be a hazard.

5.) Take all precautions necessary for protection of persons, traffic and property during dust or fragment generating operations, concrete mixing or placing, or other operations which may stain, soil or damage property or injure persons. Provide and erect waterproof, fire-resistant, UL labeled tarpaulins with flame-spread rating of 15 or less, or other protective enclosures as approved by the Construction Manager.

6.) No smoking is permitted on the construction site. Offenders will be permanently removed the site at the discretion of the Authority.

7.) Do not burn or bury debris of any type on Authority property, or wash waste materials down sewers or into waterways.

8.) Provide sound suppression devices on gasoline and diesel powered construction equipment and pneumatic tools as required to maintain noise exposures below the limits specified in the Code of Federal Regulations (CFR) 29 CFR 1926 Occupational Safety and Health Regulations for Construction (OSHA). Maintain such sound suppression devices in proper operating condition throughout the time of their use, and adjust and repair as required to maintain noise within exposure levels stipulated in 29 CFR 1926.52, Table D-2.

B. No requirement of or omission to require any precautions under this Contract shall be deemed to limit or impair any responsibility or obligation assumed by the Contractor under or in connection with this Contract and the Contractor shall at all times maintain adequate protection to safeguard the public and all persons engaged in the Work and shall take such precautions as will accomplish such end, without undue interference with the public or the operations of the Authority.

C. Security Plan--The Contractor shall implement and maintain a security plan for the work site in accordance with the requirements in Exhibit XI - WTC Site Security Plan. The Security Plan includes the standards and requirements for, but not limited to, fencing, guards, access control, lock and key controls, and other security requirements, which support overall WTC Site security, the separation of public and non-public areas, and site safety. The Authority will monitor conformance to the plan and may require modifications to the plan throughout the construction period.

D. Traffic Management Plan--The Contractor shall implement and maintain a traffic management plan while performing work at the WTC site in accordance with the requirements in the Authority's Traffic Management Plan. The Traffic Management Plan will include the standards and requirements for primary and secondary access points, direction of traffic flow, and procedures for access for the Contractor, subcontractors, construction and company vehicles, deliveries, materials being transported, and pedestrian access through the Work site. The Authority will monitor conformance to the plan and may require modifications to the plan throughout the construction period.

E. WTC Site Rules & Regulations--The Contractor, its subcontractors, and all employees supporting the construction activity are required to comply with Exhibit II - Rules and Regulations of the WTC Site, and any updates as required by the Authority. A copy of the WTC Site Rules and Regulations will be provided to each employee upon his or her eligibility to receive a WTC Site Identification Badge and/or Vehicle Pass. Any person not complying with the WTC Site Rules

and Regulations shall have their access privileges to the WTC Site and any WTC Site Identification Badge and/or Vehicle Pass revoked.

42. PATH CONDITIONS AND PRECAUTIONS

The Contractor shall adhere to all requirements in Exhibit XV – PATH Requirements.

43. HOURS OF WORK

Subject to compliance with all other conditions and requirements of the Contract the following Hours of Work are hereby established for this Contract:

A. The Contractor may perform Work located outside of PATH operations areas and outside of NYCT operations areas without restrictions as to the Hours of Work.
B. Work performed within or affecting the PATH operations areas are highly restricted. Hours and restrictions are set forth in Exhibit XV.
C. The contractor is responsible for enforcing all work hour restrictions and for applying for and obtaining all permits and approvals related to the work hour restrictions.

44. CLEANING

A. The Contractor shall provide its own labor to clean all debris from its work areas on a daily basis and to pile such debris in one location as directed by the Construction Manager.–The Contractor shall also keep all street loading/staging areas, shanty areas etc., clean on a daily basis. All debris created by lunch, mid-morning, mid-afternoon breaks, etc. must be discarded in the waste receptacles provided, especially at the shanty areas, work areas, where breaks are occurring and at the street-level perimeter of the building.
B. Each Contractor should be aware that this Project has a zero tolerance policy with respect to these requirements for the handling of one's own debris.
C. Failure to comply with this provision will result in back-charges for labor costs incurred to clean up related debris, including all overtime required (at the discretion of the Construction Manager) and associated exterminating costs.
D. As each area, item, element or structure is completed the Contractor shall submit to the Engineer cleaning and maintenance information for each of the exposed materials incorporated in the work. Include catalogue cuts and Material Safety Data Sheets (MSDS) for each cleaning agent; describe its application to the materials installed and recommended frequency of use. Provide clearly written warnings regarding cleaning agents that may or will cause damage when misused or applied to certain substrates. Separate copies of this information shall be collected and collated by the Contractor and shall be incorporated in a "Cleaning and Maintenance Manual" indexed by material and cleaning procedure. Prior to final completion the Contractor shall deliver to the Engineer twelve (12) copies of the Cleaning and Maintenance Manual in individual three ring binders.

45. OPERATIONS AND MAINTENANCE MANUALS

A. As part of the Work of this Contract, the Contractor is required to furnish Operations and Maintenance Manuals for particular items and systems as listed in the technical specifications. All such Operations and Maintenance Manuals shall be designed to conform to a standard format and organization and shall be bound in standardized binder as a series of volumes, each item or system having its own separate volume or volumes. An Index Volume, containing a master list of the volumes included and a summary sheet for each volume, shall be compiled and furnished.

B. Within 120 days of receipt by the Contractor of the acceptance of his BID, the Contractor shall submit a complete listing of all Operations and Maintenance Manuals to be furnished. The list shall be arranged in specification section order and the volumes numbered in series accordingly. The Contractor shall also submit for the Engineer's review and approval a sample Operations and Maintenance Manual demonstrating standard format, organization and binding. The sample shall include typical internal divisions and arrangement, sample information to be furnished and a table of contents. Upon approval by the Engineer, the sample shall become the standard to be followed for all Operations and Maintenance Manuals.

C. As the work progresses, the Contractor shall submit timely to the Engineer for review and approval the Operations and Maintenance Manuals for the items and systems listed in the technical sections of the specifications.

D. Upon completion of those parts of the work for which Operations and Maintenance Manuals are required, or when requested by the Engineer, the Contractor shall furnish twelve (12) copies of the approved Operations and Maintenance Manuals to the Engineer.

E. Certificates of Partial Completion will not be issued by the Engineer for any item, system or area until the required and approved Operations and Maintenance Manuals have been delivered to the Engineer.

F. A Certificate of Final Completion will not be issued by the Engineer until all required and approved Operations and Maintenance Manuals including the Index Volume have been delivered to the Engineer.

46. RECYCLING OF CONSTRUCTION DEBRIS MATERIAL

The Contractor shall remove from Authority property all construction debris, demolition debris and other debris material generated from the performance of the Work of this Contract unless the material is deemed acceptable by the Engineer for on-site re-use or recycling in accordance with the technical requirements of this Contract and remains at the Work site. The Contractor shall transport to recycling facilities or re-use and recycle on-site for this Contract, as applicable, no less than 75% by weight of the following types of designated debris material, to the extent arising from the Work of this Contract:

- Asphalt Concrete
- Portland Cement Concrete
- Steel
- Excess Unrestricted Soil

During the process of removal of all such designated debris material from Authority property, the Contractor shall submit to the Engineer on a monthly basis a Designated Debris Material Assessment Summary indicating the actual types and quantities by weight of the designated debris material removed for this Contract up to that point in time. In addition, the Designated Debris Material Assessment Summary shall also include types and quantities by weight of designated debris material actually re-used or recycled on-site in this Contract or, if shown on the Contract Drawings, are stockpiled for future use by the Authority. The Designated Debris Material Assessment Summary shall be accompanied by written verification from recycling and landfill destinations identifying the originating Work site, quantity of material delivered and type of debris material for all designated debris material removed from the Work site.

Within 15 days of the acceptance of his Proposal, the Contractor shall submit to the Engineer for review the Contractor's Designated Debris Material Assessment Plan indicating the anticipated types and anticipated quantities by weight and the intended destinations for all such designated debris material to be removed from the Work site. The Designated Debris Material Assessment Plan shall also indicate anticipated types and anticipated quantities by weight of all such designated debris material to remain at the Work site for re-use or recycling in this Contract as applicable.

All removals shall be completed promptly upon the completion of construction under this Contract.

47. DIFFERING SUBSURFACE CONDITIONS

If during the performance of Work, the Contractor becomes aware of any unanticipated subsurface conditions or has cause to suspect the presence of such condition, then the Contractor shall immediately notify the Engineer and Construction Manager, or designee thereof verbally, to be followed immediately by written notification. The Contractor shall specify the nature, location, and impact on the Work of such conditions. The Contractor shall immediately stop Work in and secure the area against injury to persons or damage to property pending further instructions from the Engineer.

The Contractor shall then conduct all necessary investigations and testing of the subsurface conditions as directed by the Engineer to identify the character and extent of the unanticipated subsurface conditions and/or to satisfy applicable Federal, State and local laws, codes and ordinances and regulations and shall notify the Engineer accordingly. The investigation program shall be submitted to the Engineer for review and approval.

In the event the Contractor discovers such subsurface conditions during the performance of the Work and (i) special handling of such condition is necessary and required for the performance of the Work as determined by the Engineer; (ii) such special handling cannot be avoided or mitigated by the exercise of reasonable measures by the Contractor; and (iii) the Contractor actually incurs increased costs caused by such condition that could not have been reasonably anticipated from the Contract Drawings, Reference Drawings and Specifications and inspection of the construction site; then in such event, as approved by the Engineer, the Contractor shall, notwithstanding any provision in this Contract to the contrary, be compensated for such costs for special handling, including the necessary investigations and testing of subsurface conditions, in accordance with the provisions of the clause entitled "Compensation for Extra Work".

48. NON-DISCLOSURE & CONFIDENTIALITY AGREEMENT & SECURITY PROGRAM HANDBOOK

In accordance with the Information Security Handbook the Contractor shall: (i) cause its employees on the Project to execute the Non-Disclosure and Confidentiality Agreement and the Security Program Handbook, (ii) cause its subconsultants, subcontractors, vendors and employees of such entities performing work or services on the Project to execute the Non-Disclosure and Confidentiality Agreement and the Security Program Handbook, and, (iii) cause all subconsultants, subcontractors, vendors and their employees to comply with all terms and provisions of the Non-Disclosure and Confidentiality Agreement and the Security Program Handbook.

The Contractor acknowledges and agrees that the Port Authority has facilities, systems, and project where terrorism or other criminal acts may have a significant impact on life safety and key infrastructures. The Port Authority reserves the right to impost multiple layers of security requirements on the Contractor and its staff, Subconsultants and their staffs, Subcontractors and their staffs, and all others participating in the Project, depending upon the level of security required, as determined by the Port Authority in its sole, absolute, and subjective discretion.

49. SWAC ACCESS FEES

The Contract Price includes all SWAC fees for all workers and employees requiring access to the WTC Site (approximately $250 per person).

50. AVAILABLE DOCUMENTS

Certain documents are available for reference and examination by bidders during regular business hours by contacting Construction Manager. These documents were not prepared for the purpose of providing information for bidders upon the present Contract but they were prepared for other purposes, such as for other contracts or for design purposes for this or other contracts, and they do not form a part of this Contract. The Authority makes no representation or guarantee as to, and shall not be responsible for their accuracy, completeness or pertinence, and, in addition, shall not be responsible for the conclusions to be drawn therefrom. They are made available to the bidders merely for the purpose of providing them with such information as is in the possession of the Authority, whether or not such information may be accurate, complete or pertinent or of any value to the bidders.

Said documents are listed in Attachment L - Available Documents.

51. REFERENCE DRAWINGS

The drawings listed in Attachment K, called Reference Drawings, were not prepared by the Authority or by others for use in connection with this Contract, but they were prepared for other purposes, such as for other contracts or for design purposes for this or other contracts, and are furnished to the Contractor to give him such information as may be in the possession of the Authority
An indication on the Reference Drawings of the existence, nature or location of any utilities, structures, obstructions, conditions or materials does not constitute a representation as to the conclusions to be drawn there from nor a representation that no others exist in addition to those shown, even in the same

location; nor does the absence of any indication on said drawings of the existence, nature or location of any utilities, structures, obstructions, conditions or materials constitute a representation that none exist.

52. STAND-BY TRADES

A. Cost of Master Mechanic and Maintenance Engineer, if required, will be prorated between all Contractors on the job at the time who require or contribute to the requirement of the service of such Master Mechanic and Maintenance Engineer. The Master Mechanic will be employed by the Construction Manager and the Maintenance Engineer will be employed by the Contractor having the most Operating Engineers on the job or, if an equal number of engineers are employed by more than one (1) Contractor, by the last Contractor on the job whose operations require such an employee. 100% of overtime cost for the Master Mechanic and Maintenance Engineer will be charged to Contractor(s) causing such cost to be incurred. Cost of the Teamster Foreman, Elevator Operators, Operating Engineers (for vertical transportation) and Standby trades during normal working hours will be by the Construction Manager.

B. Overtime costs (beyond normal working hours, as defined below) for Teamster Foreman, Elevator Operators, Operating Engineers (for vertical transportation) and Standby trades caused by this Contractor's failure to meet schedule, operations etc., will be charged to this Contractor.

C. The following clarification concerning standby trade charges are a part of the Contract Price:
   a. From 6:00 A.M. to 6:00 P.M., Monday through Friday and 6:00 A.M. to 6:00 P.M. Saturday, excluding holidays, there shall be no charge for Standby. After or before these hours (except for pre-scheduled work stated above), this Contractor, along with any other contractors working shall be charged the prorated share for the Standby costs for the following trades:
      i. Master Mechanic (Local 14)
      ii. Labor Foreman (Local 79)
      iii. Teamster Foreman (Local 282)
      iv. Maintenance Engineer (Local 15)
      v. Site Safety Managers
      vi. Elevator Operator (Local 1) (If applicable)
      vii. Gate Keeper (Local 79)
   b. The following services are provided at no additional charge in accordance with Attachment G Temporary Services. Any hours beyond 6:00 A.M. to 6:00 P.M., Monday through Friday and 6:00 A.M. to 6:00 P.M. Saturday, excluding holidays will be prorated to any/all Contractors working beyond these hours (except for pre-scheduled work stated above).
      i. Temporary (Power/Light Electrician) (Local 3)
      ii. Temporary Water (Plumbing) (Local 2)

D. Employment of all standby trades shall be based on the BCA Collective Bargaining Agreements including the Port Authority of New York and New Jersey prevailing rate exhibit.

53. TIME IS OF THE ESSENCE

1. The Contractor agrees that "Time is of the Essence" to the performance of this Contract. Contractor agrees that in order to accomplish the aforementioned Schedule, including intermittent milestones, it may be required to work its crew and equipment overtime on regular work days as well as Saturdays and holidays, the cost of which is included in the Contract Price. The Contractor shall provide multiple equipment, work in shifts, weekend work, expedite material procurement, expedite material delivery, draft shop drawings on overtime, and provide any other costs required to accomplish the schedule.
2. There will be no escalation of price allowed for changes in duration of the Contract nor will there be any additional cost due to the delayed start or protracted duration of installation as required by the progress of the project.
3. The Contractor shall pay the cost of standby trades if required due to the Contractor's failure to maintain schedule on during regular hours. Procurement of Saturday, Sunday or Holiday Work permits and/or after hour work Permit Variances if required shall be obtained by Construction Manager if possible, however, all costs associated with obtaining the these permits shall be charged to the Contractor.
4. Contractor shall immediately expedite the submission of shop drawings and submittals and procure all materials in a timely fashion to maintain an uninterrupted installation schedule and accomplish all milestones.
5. Failure to meet these requirements will require the Contractor to immediately institute a recovery program that may consist of additional manpower, shift work or overtime until the Contractor is capable of performing its work in compliance with the above schedule with no increase to Contract Price.

54. WORK IS NOT CONTINUOUS

The Contractor understands that work of this trade may not be continuous and that the Contractor may be required to work out of sequence at the direction of the Construction Manager. There shall be no charges for multiple mobilizations, off-hours work, comeback time, out of sequence work, or other hardship costs provided Contractor's major equipment is still on site and work is accessible.

55. RECOGNITION OF SEPTEMBER 11

This Contractor is aware of the significance of the September 11th date for this Project, and has been notified that no on-site work will be performed on this date. In addition, this Contractor may be required to perform work to accommodate site requirements in preparation of September 11 events if required by the Authority or Construction Manager (i.e. temporary acceleration or leave-outs of work which are not specifically identified at the time of the award.)

56. EARLY PAPERWORK

The Contractor shall submit the following items to the Construction Manager within seven (7) days of request:

A. Payment Bond

B. Performance Bond
C. OCIP enrollment forms
D. Certificate of Insurance for all parties

The Contractor shall submit the following items to the Construction Manager within two (2) weeks of Notice of Proceed:

A. Trade payment breakdown
B. Cash flow forecast
C. WMBE enrollment forms (with all certifications)
D. SAR forms for all parties (also submit BQQ's to IG for all subs)
E. Executed CA/NDA forms for all parties and their employees
F. Proposed staff organizational chart
G. Proposed staff Directory
H. Resume of proposed superintendent for approval by Construction Manager
I. Proposed bar chart construction schedule
J. Submittal schedule (approval of the submittal schedule shall be condition precedent to Contractor's entitlement to payment)
K. Material and equipment procurement log
L. Contractor's QA/QC Program
M. Safety Manual

57. DAVIS-BACON PREVAILING RATES OF WAGE

All rates of wage are subject to the Davis-Bacon Act (40 U.S.C.A. 276a). The schedule of wages and supplemental benefits as of February 1, 2010 are in effect and are currently attached hereto under Exhibit XVI. The latest rates established by the Secretary of Labor of the United States for the locality in which the Work is to be performed in effect at the time the Work is performed can be found at the following web site: http://wpp.labor.state.ny.us/wpp/viewPrevailingWageSchedule.do

58. W/MBE FORMS

Exhibit VII – W/MBE Notice and Forms is hereby incorporated into the Contract.

The Contractor shall submit any paperwork required by the Construction Manager or Authority to monitor compliance with the Contract requirements for WBE and MBE participation including, but not limited to, those in Exhibit VII.

59. BIM IMPLEMENTATION

The Contractor shall comply with all requirements of the Construction Manager's BIM Implementation Plan as incorporated herewith in Exhibit VI.

60. SUBCONTRACTOR APPROVAL REQUEST

Subcontractors will not be granted access onto the site without submission to and approval by the Engineer of Exhibit XII(B) - SAR Form.

61. PAYMENT PROCEDURES

The Contractor shall comply with all requirements of Exhibit XIII – Payment Procedures.

62. ENGINEERING DESIGN

All engineering design required by the Contractor shall be performed by a Professional Engineer license and currently registered in the State of New York. This applies to all work noted to be "engineered", "designed", "signed" and/or "sealed", and any reference to the submission of "calcs" or "calculations" shall mean that the Contractor shall submit calculations and drawings signed and sealed by a Professional Engineer licensed and currently registered in the State of New York.

63. RIGGING

A. Contractor shall employ a Licensed Master Rigger or Professional Engineer to develop a written Rigging "Method of Procedure" (MOP) for the lifting and hoisting of all its material and equipment. All Rigging MOP's shall be in accordance with local, state, and federal regulations and ASME B30.9. Rigging MOP's are to be submitted to the Construction Manager a minimum of four weeks prior to the rigging of any material or equipment. Any modification or adjustment to the Contractor's rigging MOP required by the Construction Manager or any governmental agency are included in the Contract Price. The Rigging MOP will include the following items:
   1. Name and documentation of training and certification of Licensed Master Rigger, designated foreman or where no such licensure exists, the equivalent competent person who will be present to supervise the pick(s)
   2. A separate storage area for all rigging where this Contractor's workers can sign out the rigging daily or as needed. This Contractor is responsible for the proper storage of rigging, inspect rigging before and after each use, and identify the user and its location.
   3. Ensure all workers using rigging are properly trained and certified where required.
   4. Provide the inspection criteria for the rigging (guidelines).
   5. Lift plan for all picks which shall include but is not limited to plan drawings indicating control access zones for workers and public and details of the rigging showing make, model, and size of slings and hardware and allowable capacities.
   6. Designated pick areas. Picks areas to be marked by paint, cones, stakes or other means to physically mark pick location on the ground.
   7. Complete a Job Hazard Analysis that corresponds to the Rigging MOP.

B. Rigging components will be in new or like new conditions in compliance with the Contractor's Rigging MOP and the following restrictions:
   1. Rigging components must be from be from Unites States, Canada, or European Union sources. No other sources will be allowed.
   2. Steel components greater in age than 2 years will not be used.
   3. Hoisting cables shall be at least ½ inch diameter plow steel grade
   4. Synthetic Slings must be new. Synthetic Slings greater than 6 months old will not be used.
   5. Slings in contact with edges, corners, or protrusions should be protected with a softener.
   6. Nylon slings shall not to be used in crane erection, jumping, or dismantling.

C. The Contractor shall provide rigging for all materials or equipment furnished under the Contract, or assigned to the Contract under the paragraph titled "Materials furnished by the Authority".

D. The Contractor shall comply with all other requirements with jurisdiction for rigging including, but not limited to, ASME B30, OSHA 29 CFR 1910 subpart N , the City of New York, etc.

64. LOADS IMPOSED

The Contractor shall submit to the Engineer for approval point load information (gravity, seismic, etc) for all hangers and bracing where items provided under this Contract are attached to the building structure (reinforced concrete slabs, slabs on metal deck and beams). Accordingly, the Contractor shall depict on each shop drawing submission all hanger locations and point loading information in a format that is legible and clear. This may include a legend with different symbols depicting the various hanger loads accompanied by graphic representation of each symbol at each specific hanger location.

65. FIRE STOPPING

The fire stopping (e.g. safing, packing, caulking) of sleeves and cores through all horizontal and vertical fire rated barriers and partitions is a part of the Work of the Contract where the Contractor's Work passes through such barriers and partitions.

The Contractor is cautioned that the standards of the local governing code and all governing agencies are to be strictly adhered to with respect to the materials used, the method of installation and workmanship.

The Contractor shall be required to provide a detailed and comprehensive submission, in a format acceptable to the Authority and all other governing agencies, of the proposed method of firestopping all conditions that will be encountered, along with all of the necessary supporting documentation indicating conformance to the appropriate UL Standards.

All installation work shall conform to the details as represented in the approved firestopping submissions. In the event that jobsite conditions are encountered that are not specifically addressed in the approved UL details, the Contractor shall retain the services of the firestopping manufacturer to obtain an "Engineering Judgment" on a case-by-case basis and/or shall perform whatever work is necessary to obtain all necessary sign-offs on all installation work.

In the event that the Contractor fails to perform work in accordance with any of the requirements outlined above, the necessary work will be performed by others, at the direction of the Construction Manager, and all associated costs will be back-charged against this Contract.

The Drawings and Specifications shall govern after the above minimum requirements are met.

66. SEISMIC RESTRAINT

The Contractor shall provide seismic restraint as follows:

a. Seismic restraining devices shall be provided on all equipment and materials installed under the Contract in accordance with the seismic requirements as outlined in the Contract Documents and as required by all authorities having jurisdiction unless specifically called out to the contrary in the Scope of Work.
b. The Contractor shall obtain the services of an independent Professional Engineer (PE) to develop a set of documents indicating all seismic restraining device designs to be implemented on the project for review by the Design Team.
c. Upon receipt of the Design Team approval, the Contractor shall provide the installation of all work in accordance with the approved seismic submission.
d. Upon completion of the installation of all seismic restraining devices in accordance with the approved independent PE designs, the same PE shall perform an on-site inspection of all seismic installations to ensure that all work has been installed in accordance with the approved designs. Upon the successful conclusion of this inspection, the Contractor shall submit, to the Engineer for review, a letter signed and stamped by the design PE certifying that all installation work conforms to the approved seismic designs.

The Drawings and Specifications shall govern after the above minimum requirements are met.

67. STARTUP, TESTING, COMMISSIONING AND TURNOVER

The Contractor is aware that a formal Building Commissioning Program shall be managed by the Engineer and an independent Commissioning Authority retained directly by the Authority.

Accordingly, the Contractor shall be required to formally commission and demonstrate each system and/or system component (including those furnished by others and installed under this Contract) in accordance with a formal set of testing procedures and protocols prior to the formal turnover and Authority Acceptance of any such systems and/or system components. The Contractor shall provide all supervision and labor required to carry out this program in accordance with the program's requirements and as necessary to fully implement the appropriate testing protocols.

The Contractor shall be responsible for the submission of all required pre-functional and associated documentation prior to equipment startup. Additionally, it shall be the responsibility of the Contractor to take the lead in obtaining all relevant information and pre-functional documentation from all Contractors whose work is related to such equipment and is required to be documented on the pre-functional forms.

The Contractor shall be responsible for pre-testing all equipment prior to scheduling any demonstration and acceptance testing. The Contractor shall be held responsible for all costs associated with any required re-testing in the event that the scheduled acceptance testing fails. This includes costs associated with the required personnel representing the Engineer and any other Contractors not contracted under this agreement and necessary to support the related re-commissioning activities.

The Contractor shall obtain the services of all manufacturer's representatives of equipment furnished under this Contract for on-site inspections during erection and/or installation to ensure proper installation of same. The Contractor shall formally notify the Authority and Construction Manager of all such inspections. Upon completion of these installations, the Contractor shall provide a letter from each manufacturer certifying that the associated equipment has been checked and verified to be installed operating in accordance with Specifications.

68. GENERAL PROVISIONS/CONDITIONS FOR WTC TOWERS 1, 2, 3 AND 4

Additional and/or varying General Provisions/Conditions are specified for Work in the WTC Towers 1, 2, 3 and 4 under Exhibit VIII - Other WTC General Conditions.

Exhibit XIII July 16, 2010
Contractor Payment Procedures
World Trade Center Site – Transportation Hub
New York City, NY

1. **Schedule of Values:** Within two weeks of award the Contractor shall prepare and submit to Construction Manager, for approval by the Construction Manager and Engineer a "Schedule of Values" (or "Trade Payment Breakdown") furnishing a complete, detailed, and itemized breakdown of the various divisions of the Work, including values for materials and labor. The total of this cost breakdown shall be equal to the Lump Sum. The Schedule of Values must include line items for the following items: Submittals, Safety Provisions, Mobilization, and Demobilization. At the Construction Manager's and/or Authority's direction the Schedule of Values may be required to break down the values for the work of any one item into multiple items to help allocate costs between stakeholders. The Contractor shall be required to adhere to the schedule of values for the life of the contract once accepted by the Authority and Construction manager, unless directed otherwise by the Authority or Construction Manager.

2. **Progress Payments:**
   a. In accordance with the Contract, applications for progress payments shall be made on and in compliance with Construction Manager's standard form of Contractor's requisition (in the forms listed below and attached) and shall be subject to the terms thereof, including the submission of sworn statements from Contractor's subcontractors and vendors:
      i. A Schedule of Values showing the percentages of the various divisions of work actually completed at the time of certification and all executed Change Orders (Forms AIA G702 and G703 with TTJV Cover Sheet).
      ii. A completed Port Authority form 33A Payment Application.
      iii. A schedule listing all material stored off site for which the Contractor is requesting payment ("Stored Materials Inventory").
      iv. A Notarized Bill of Sale.
      v. Prevailing Rate of Wage Certification.
      vi. Waiver of Claims and Release to the date of the last advance.
      vii. An Affidavit of Payment.
      viii. A statement of any back charges and credits to which the Authority is entitled.
      ix. A sworn statement of any claim for charges or extras due to the Contractor, such claim not to be valid unless made at the time and in the manner aforesaid.
      x. A sworn statement setting forth all amounts, if any, owed by the Contractor to its subcontractors and suppliers.
      xi. All documentation required by Exhibit VII – W/MBE Notice and Forms.
         i. Statement of Payments to suppliers, subs, and vendors.
         ii. Certified Payroll forms for the prior billing period.
         iii. Monthly Employment Utilization Reports.
      xii. Any other documentation or information requested by the Engineer or Construction Manager required to evaluate the level of Contract Work complete.
      xiii. Second tier contractors' and/or vendors' Wavers of Lien if so requested by the Engineer or Construction Manager.
   b. In addition to retainage and other amounts withheld under this Contract, the Authority and Construction Manager may also retain a sum sufficient, in its opinion, to complete the Work in accordance with the terms of the Contract. Moreover, in each instance of requisition prior to completion, the Contractor shall certify to the Authority and Construction Manager that the cost of the Work remaining to be done under this Contract does not exceed 90% of the balance of

the Lump Sum unpaid. In no event will the Authority or Construction Manager be required to pay in excess of 90% of the Lump Sum prior to the completion of all the Work the Contractor is obligated to perform under this Contract.

c. Draft or "pencil" applications for Progress Payments for any given month shall be made no later than the 20th of that month for review and comment by the Authority and Construction Manager with all required documentation. Final applications for Progress Payments for any given month must be made no later than the last day of that month with all required certifications, signatures, and documentation. Failure to submit Progress Payment Applications in a timely manner may forfeit the Contractor's right to payment for that month.
d. The Contractor will not be entitled to Progress Payments for Work other than that which is installed in its final location unless specifically stated otherwise herein or in Attachment A.
e. Raw materials and/or fabricated assemblies will be billable if delivered to and stored on the jobsite, or if the following items are submitted with the requisition: a Bill of Sale, a certificate of insurance for coverage at the off-site premises where the materials are stored, and photos of the materials or assemblies.
f. Progress payments for raw materials and/or fabricated assemblies stored off-site will be billable for only 85% of their scheduled value less retainage until delivered to and stored on the jobsite at which point the Contractor shall be permitted to bill 100% less retainage.
g. No Progress Payments will be made for Work in a Change Order until that Change Order has been fully executed.
h. In the event that the Construction Manager and/or Authority elect to make payments via wire transfer the Contractor shall provide all necessary documentation required to accomplish that.

3. **Withholding by Construction Manager:** The Authority and/or Construction Manager may withhold payment to the Contractor as set forth in the Contract, including, without limitation, on account of (1) the failure of the Contractor to comply fully with any requirements of the Contract, including the failure of the Contractor to make payments to subcontractors or for material or labor, (2) the failure of the Contractor to prevent the filing of liens or claims or to avoid the reasonable probability of the filing of liens or claims against the Construction Manager, the Authority, the Project or the Contractor, or (3) damage to another contractor by reason of acts or failure to act of the Contractor, or (4) failure of the Contractor to submit the required W/MBE monthly paperwork.

4. **Final Payment:** Reference paragraph 33 of the Form of Contract. The Contractor shall make all submissions indicated on the attached Project Closeout Checklist along with a final application for payment similar to the applications for progress payments. There shall be no reduction in retainage until the punch list is complete and all required documentation is accepted by the Authority and Construction Manager.

TISHMAN | Turner
A Joint Venture

World Trade Center Site – Transportation Hub

Contractor Application for Progress Payment Checklist

Period Ending: _____

Contractor: _____

- ☐ Requisition Summary Page
- ☐ AIA Form G702 Summary Page
- ☐ AIA Form G703 Payment Application
- ☐ Executed Change Order Log
- ☐ PA Application for Payment PA33A
- ☐ Stored Materials Inventory
- ☐ Bill of Sale
- ☐ Certification of Prevailing Wages
- ☐ Waiver of Liens and Release
- ☐ Affidavit
- ☐ Sworn statements regarding credits, extras, and payments
- ☐ WMBE Documentation
  - ☐ Statement of Payments
  - ☐ Certified Payrolls
  - ☐ Monthly Employment Utilization Report (MEUR)

<u>Other items required for billing for stored material:</u>

- ☐ Proof of Insurance
- ☐ Photographs

Contractor's Accountant:

_____ Date: _____

TISHMAN/TURNER, JV ON BEHALF OF THE PORT AUTHORITY OF NY AND NJ
SUBCONTRACTOR REQUISITION SUMMARY
PA REQUISITION NO. _____

CONTRACTOR _____ TRADE #: _____ VENDOR # : _____

ADDRESS _____ PROJECT _____
PERIOD
_____ ENDING _____

ITEM	CONTRACTOR REQUEST	TISHMAN CONSTRUCTION APPROVED	PA APPROVED
1 Amount or Contract	$0.00	$0.00	$0.00
2 Change Orders Issued to Date (Item II, Attached Summary)			
3 Pending Change Orders (Item III, Attached Summary)			
4 Total of Above	$0.00	$0.00	$0.00
5 Value of Work Completed to Date (Item IV, Attached Breakdown)	$0.00	$0.00	
6 Less 10 % Retained	$0.00	$0.00	
7 Net of Items 5 and 6	$0.00	$0.00	$0.00
8 Total Prior Payments	$0.00	$0.00	
9 Amount of This Requisition (Net of Item 7 less 8)	$0.00	$0.00	$0.00
10 Total Payments to Date			

As approved by Tishman/Turner, JV :

Acctg Checked _____ $ _____ PE/PD Approval : _____

PM Approval _____ $ _____ Date : _____ Date : _____

As approved by PA :

Acctg Checked _____ $ _____ PE/PD Approval : _____

PM Approval _____ $ _____ Date : _____ Date : _____

See attached original subcontractor requisition marked up and approved

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

TO OWNER: PROJECT:

APPLICATION NO: 1 Distribution to:

PERIOD TO:

- [X] OWNER
- [X] ARCHITECT
- [X] CONTRACTOR
- [ ]
- [ ]

FROM CONTRACTOR: VIA ARCHITECT:

PROJECT NOS:

CONTRACT FOR: Construction Management

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	$	0.00
2. Net change by Change Orders	$	0.00
3. CONTRACT SUM TO DATE (Line 1 ± 2)	$	0.00
4. TOTAL COMPLETED & STORED TO DATE (Column F on G703)	$	0.00
5. RETAINAGE:		
a. ____% of Completed Work (Column D + E on G703)	$ 0.00	
b. ____% of Stored Material (Column F on G703)	$ 0.00	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	$	0.00
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	$	0.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	$	0.00
8. CURRENT PAYMENT DUE	$	0.00
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$	0.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	$0.00	$0.00
Total approved this Month		$0.00
TOTALS	$0.00	$0.00
NET CHANGES by Change Order	$0.00	$0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: _____ Date: _____

State of: County of:
Subscribed and sworn to before me this day of
Notary Public:
My Commission expires:

ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ..... $ _____

(Attach explanation if amount certified differes from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

Page ______ Of ______ Pages

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing
Contractor's signed Certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1
APPLICATION DATE:
PERIOD TO: 01/00/00
ARCHITECT'S PROJECT NO.: WTC-XXXX.XX-X

COMPANY NAME
WORLD TRADE CENTER - TRANSPORTATION HUB

A	B	C	D	E	F	G		H	I
			WORK COMPLETED						
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
		0	0	0	0	0	0%	0	0
	TOTAL CONTRACT AMOUNT	0	0	0	0	0	#DIV/0!	0	0

CONTINUATION SHEET

AIA DOCUMENT G703

Page _____ Of _____ Pages

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing
Contractor's signed Certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO.: 1
APPLICATION DATE: 01/00/00
PERIOD TO: 01/00/00
ARCHITECT'S PROJECT NO.: WTC-XXXX.XX-X

COMPANY NAME
WORLD TRADE CENTER - TRANSPORTATION HUB

A	B	C	D	E	F	G		H	I
			WORK COMPLETED						
ITEM NO.	DESCRIPTION OF WORK	SCHEDULED VALUE	FROM PREVIOUS APPLICATION (D+E)	THIS PERIOD	MATERIALS PRESENTLY STORED (NOT IN D OR E)	TOTAL COMPLETED AND STORED TO DATE (D+E+F)	% (G/C)	BALANCE TO FINISH (C-G)	RETAINAGE
B	CONTRACT CHANGE ORDERS								
	See attached APPENDIX A attached - Summary of changes								
CO 1		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 2		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 3		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 4		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 5		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 6		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 7		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 8		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 9		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 10		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 11		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 12		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
CO 13		0.00	0.00	0.00	0.00	0.00	0.00%	0.00	0
	SUBTOTAL FOR CONTRACT C.O'S:	0.00	0.00	0.00	0.00	0.00	#DIV/0!	0	0
	REVISED CONTRACT AMOUNT (GRAND TOTAL)	0	0	0	0	0	#DIV/0!	0	0

Project: WTC TRANSPORTATION HUB

General Contractor/Construction Mgr: TISHMAN/TURNER, JV

Subcontractor: _____

PAGE ____ OF ____
REQ # _____
DATE: _____

STORED MATERIALS INVENTORY

A	B	C	D	E	F	G	H	I	J	K
Item	Description of Material in Storage	Scheduled Value	Storage Address	Supplier	Opening Inventory	Additions to Inventory	Quantity Shipped	Usage of Inventory	Closing Inventory	Retainage
TOTALS										

BILL OF SALE

For and in consideration of the total value of materials$_____less retainage of $_____current payment due$_____by **the Port Authority of NY and NJ** (hereinafter refferred to as "Purchaser") _____(hereinafter referred to as "Seller"), the receipt whereof is to be acknowledged Seller does hereby grant, bargain, sell, convey, set over, transfer, assign and deliver unto Purchaser all the right title and interest which it has in the personal property aet forth in Invoice#_____dated_____attached hereto and made part hereof by reference, and described in attached listing of materials received from vendors.

Seller does hereby covenant and warrant that it is the true and lawful owner of the property assigned, transferred, sold, and conveyed pursuant to this Bill of Sale; that said property is free and clear from all encumbrances and liens; that Seller has good right and full power and authority to sell, transfer, assign and convey all of said property; and the Seller will warrant and defend the title to all of said property unto Purchaser, its successors and assigns, against all claims and demands of all persons, firms or corporations whatsoever. Materials are being stored at:_____ and at (see below)*.

IN WITNESS HEREOF, the parties hereto, by their duly authorized officers, have executed and set their hands and seals to this Bill of Sale, this_____day of_____, 20_____.

Company:_____(Seller)
Signature:_____
Title:_____

_____

The Port Authority of NY and NJ

STATE OF)
COUNTY OF)

Sworn to before me this____day of_____,2008

_____
(NOTARY)

WAIVER OF LIENS AND RELEASE

Project Description: (the "Project") World Trade Center – Transportation Hub

Total Payments Received through Period Ending: __/__/__ $_____

The undersigned (1) acknowledges receipt of the amount set forth, (2) to the extent of such payments, waives and releases any claim which it may now or hereafter have upon the land and improvements described above in the Project Description, (3) acknowledges that the amount of payments received to the date of this waiver represents the current amount agreed to be due to it in accordance with its agreement and work completed, and (4) warrants that it has not and will not assign any claims for payment or right to perfect a lien against the land and improvements set forth in the Project Description, and (5) represents and warrants that it has the right to execute this Waiver of Liens and Release.

The undersigned further warrants that (1) all workmen employed by it or its subcontractors upon the Project have been fully paid to the date hereof, (2) all vendors and materialmen from whom it or its subcontractors have purchased materials used in the Project have been paid for materials delivered on or prior to the date hereof, (3) none of such workmen, vendors or materialmen have any claim or demand or right of lien against the land and improvements set forth in the Project Description, and (4) stipulate that the signatory of this Waiver of Liens and Release is an authorized officer of the undersigned with the full power and authority to execute this Waiver of Liens and Release.

The UNDERSIGNED agrees that the owner of the Project and any lender and any title insurer may rely upon this waiver of Liens and Release.

WITNESS the signature and seal of the undersigned as of this _____ day of _____, 2009.

COMPANY: _____

STATE OF)
COUNTY OF)

BY:_____

Sworn to before me this _____ day of _____, 2009.

TITLE:_____

_____
(NOTARY)

(CORPORATE SEAL)

AFFIDAVIT

Re: World Trade Center - Transportation Hub
(Project)

STATE OF
COUNTY OF } ss:

_____ being duly sworn, deposes and says:

1. That he is the _____ of _____ (hereafter called the "Contractor") which has a contract with TISHMAN/TURNER, A Joint Venture comprised of Tishman Construction Corporation of New York and Turner Construction Company (hereafter called the "Builder") covering the _____ work for the building at **World Trade Center - Transportation Hub, NY,NY**

2. That the said Contractor has paid in full (at the prevailing recognized rate and without any improper or illegal deductions or rebates), in accordance with the specifications and contract obligations, for all work, labor, materials and services supplied or performed in connection with said work to the date of the requisition on the reverse side hereof, including all Social Security, Unemployment Insurance and Sales and other Taxes applicable thereto, and as of said date there are no unpaid claims for any said labor or materials in connection with the performance of said Work or any of the said Taxes except as stated in paragraph 3 below.

3. That as of the date hereof no amounts are due and no claims have been made against the said Contractor for any unpaid material or labor with the exception of the following: all of which are for labor and/or materials provided since the date of the requisition preceding this requisition, and as to such unpaid claims the Builder is hereby authorized, at its option, in behalf of the Contractor, to make direct payment to such claimants and charge same to the Contractor, i.e.:

NAME & ADDRESS	ITEM	AMOUNT

4. That no payment made to the Contractor shall be deemed an acceptance by the Builder of defective work or materials or shall operate as an admission on the part of the Builder or Architect that the said contract, or any portion thereof, has been complied with the Contractor in case the fact shall be otherwise.

5. All sums received by the Contractor shall be held in trust to pay for any labor or materials in connection with the work, before being used for any other purpose.

6. This Affidavit is made for the purpose of inducing the Builder to make payment under the terms of the subject contract relying on the truth of the statement contained herein.

Subscribed and sworn to before me

_____
(Company Name)

this 21 day of May, 2010 by _____
(Title)

_____
NOTARY PUBLIC

Multi-part Revision: 2 . e

INSTRUCTIONS FOR USE:

1.) There are five(7) individual pages to this Excel Workbook. The Tab order in which they appear below are:

a) **Directions:** (You are reading them now)

b) **Application For Payment:** (Submit this for payment)

c) **Attachment Sheet - 1** through **Attachment Sheet - 4** (read below for directions)

g) **Change Order Log**

2.) These pages are accessible by pressing their respective "Tabs" located at the bottom of each page. References made to these pages in these directions will be indicated in bold. References to field cell names will be Italicized and entries that you type will be bolded and enclosed in quotation marks.

3.) Entries made on the **Application For Payment and Attachment Sheet - 1** through **Attachment Sheet - 4** are to be made within green shaded areas only. Other areas contain formulas or text that is not to be changed.

4.) On the **Application For Payment** and **Attachment Sheet - 1** through **4,** *Unclassified* (*Lump Sum*) work must be identified by typing "LS" in the *UNIT* column. *Time and Material* work must be identified by typing "T&M" in the *UNIT* column. This will prevent the activiation of the *Quantity* **x** *Unit Price* calculation which will avoid an incorrect value from displaying in the *AMOUNT* column.

5.) On the **Application For Payment** and **Attachment Sheet - 1** through **Attachment Sheet - 4,** to indicate a line item's value is to be included in the retainage calculation, place an "X" in the cell to the right of the line item's *AMOUNT* column.

6.) In addition to following the directions specified in step five (5), the retainage calculation requires a value to be entered into the % cell(percentage) and the *MAX$* cell(maximum retainage) located lower left on the **Application For Payment** sheet. The Retainage Calculation will not occur unless all requirements here in step (6) and those in step (5) are met. Items identified for retainage on **Attachment Sheet - 1** through **Attachment Sheet - 4** will be included in the calculation performed on the **Application For Payment.**

,.) Once an item is marked and submitted for retainage, that Item should remain marked for retainage throughout all future billing for the duration of the contract. When submitting for retainage, simply clear all "X"s from the right of the *Amount* column on the **Application For Payment, Attachment Sheet - 1** through **Attachment Sheet - 4.** The result will set retainage to Zero (0) thereby removing the dollar values previously deducted.

8.) The **Application For Payment** must be printed on 8.5" x 14" legal size paper when submitting it for payment. For your convenience the print area is preset to these specifications. Only your printer device will need to be changed.

9.) The **Application For Payment** must be signed by an authorized officer, authorized representative or authorized owner of the business entity awarded the contract before the **Application For Payment** will be processed.

10.) Should billing information not fit on the **Application For Payment, Attachment Sheet - 1** through **Attachment Sheet - 4** is available for use. **Attachment Sheet** 1 through **Attachment Sheet - 4** must be used in numerical sequence. Pagination is automatic and it will not work out of sequence. **Note:** *If totals do not appear at the bottom of an Attachment Sheet, you are using the Attachment Sheet out of sequence.*

11.) When submitting your **Application For Payment** the **Application For Payment** should appear as the top page (Sheet 1 of ?) followed by **Attachment Sheet - 1,** followed by **Attachment Sheet - 2,** etc...

12.) Although you will seldom have the need, if copying information between forms you are only permitted to copy and paste information into the green shaded areas. Don't forget to check the appropriate retainage box where necessary.

13.) For optimum viewing set Excel's zoom feature to about 70% and tweak until the view is suited to your preference.

PA 33A
03-08

The Port Authority of New York and New Jersey

233 Park Ave South, 7th Floor
New York, N.Y. 10013

SHEET

Date Prepared _____

APPLICATION FOR PAYMENT

Contract No. _____ Dated _____ Payment No. _____

Contractor _____ Address _____

Approximate work performed to _____

Item No.	DESCRIPTION OF WORK	UNIT	APPROXIMATE QUANTITIES			UNIT PRICE	AMOUNT
			This Application	Total For Prev. Application	Total to Date		

TOTAL APPLIED FOR, TO DATE : $ _____

Less _____ % retained as per contract MAX $ _____

Balance to date : $

Less advances under previous applications : $ _____

To be advanced this application : $

CHANGE ORDERS (as attached)

Total to date : $ _____

Less: Previously advanced : $ _____

Change Order amount to be advanced on this application : $ _____

TOTAL AMOUNT TO BE ADVANCED THIS APPLICATION (as per copy) : $ _____

It Is Hereby Certified that the above quantities of work have actually been performed and that the cost plus compensation above set forth, if any, is computed in accordance with the terms of the above Contract on the basis of work actually performed. This certification, if signed by any person on behalf of the contractor, is made by such person in his individual capacity on the basis of his own knowledge, as well as by the contractor.

_____
*Individually and on behalf of the contractor

_____
Title

The Contractor Further Certifies (check one)

_____ 1. That all subcontractors and suppliers have been paid any amounts due from previous progress payments and shall be paid any amounts due from this progress payment; or

_____ 2. That payment has been withheld from a subcontractor or supplier because there exists a valid basis under the subcontractor's or supplier's contract to withhold a payment from that subcontractor or supplier. (Attach copies of any withholding notices issued in conjunction with this certification.)

CORRECT AND IN ACCORDANCE WITH CONTRACT _____

CONSTRUCTION ACCT

	PROJPROJ	ORG	ACT	AREA/SYS	JOB	AMOUNT

The above estimate of quantities performed is correct and is made from actual inspection and knowledge of work performed.

_____
Title: RESIDENT ENGINEER

Recommended For Payment:

_____
Title: ENGINEER OF CONSTRUCTION

Approved For Payment:

_____
For Comptroller

* If contractor is a corporation, certificate must be signed by an officer, and if a partnership, by a partner.

PA 33A
03-08

The Port Authority of New York and New Jersey

233 Park Ave South, 7th Floor
New York, N.Y. 10013

SHEET

ATTACHMENT SHEET - 1

Contract No.

Dated

Payment No.

Contractor

Item No.	DESCRIPTION OF WORK	UNIT	APPROXIMATE QUANTITIES			UNIT PRICE	AMOUNT
			This Application	Total For Prev. Application	Total to Date		

PA 33A
03-08

The Port Authority of New York and New Jersey

233 Park Ave South, 7th Floor
New York, N.Y. 10013

SHEET

Date Prepared

ATTACHMENT SHEET - 2

Contract No.

Dated

Payment No.

Contractor

Item No.	DESCRIPTION OF WORK	UNIT	APPROXIMATE QUANTITIES			UNIT PRICE	AMOUNT
			This Application	Total For Prev. Application	Total to Date		

PA 33A
03-08

The Port Authority of New York and New Jersey

233 Park Ave South, 7th Floor
New York, N.Y. 10013

SHEET

Date Prepared

ATTACHMENT SHEET - 3

Contract No.

Dated

Payment No.

Contractor

Item No.	DESCRIPTION OF WORK	UNIT	APPROXIMATE QUANTITIES			UNIT PRICE	AMOUNT
			This Application	Total For Prev. Application	Total to Date		

PA 33A
03-08

The Port Authority of New York and New Jersey

233 Park Ave South, 7th Floor
New York, N.Y. 10013

SHEET

Date Prepared

ATTACHMENT SHEET - 4

Contract No.

Dated

Payment No.

Contractor

Item No.	DESCRIPTION OF WORK	UNIT	APPROXIMATE QUANTITIES			UNIT PRICE	AMOUNT
			This Application	Total For Prev. Application	Total to Date		

PA 326
1-76

The Port Authority of New York and New Jersey

CHANGE ORDER PAYMENT APPLICATION DETAIL

Payment No. _____ Contract No. _____ Sheet 1 of 1

Approximate work performed to _____

ORDER NO.	TYPE	TOTAL ESTIMATED AMOUNT	ESTIMATE OF WORK PERFORMED		TOTAL AMOUNTS	
			THIS ESTIMATE	TO DATE	THIS ESTIMATE	TO DATE
			AMOUNTS CARRIED FORWARD		0.00	0.00

Project Closeout Checklist

Contractor: _____

Project Name: Transportation Hub

I To Be Completed By Project Manager

	ITEM	RECEIVED	ACCEPTED	REMARKS
1.	Warrantee	Not Required		
2.	Bond Release			
3.	Final NCR - PA Materials			
4.	Maintenance Data/O&M's	Not Required		
5.	Maintenance Material	Not Required		
6.	Spare Parts/Attic Stock	Not Required		
7.	As-Built Drawing			
8.	As-Built Specifications			
9.	Certificate of Final Comp.			
10.	Inspection Form			
11.	LEED			
12.	PA/AE Punch List			
13.	Training			
14.	REO Sign Off			
15.	Other:_____			

II To Be Completed By Project Accountant

	ITEM	RECEIVED	ACCEPTED	REMARKS
1.	Completed Operations Coverage			
2.	Release & Waiver of Liens			
3.	Contractor's Guarantee to Owner			
4.	General Release			
5.	No Open C/O's			
6.	Other:_____			

Notice to Owner File Reviewed _____ _____ _____

Change Order File Reviewed _____ _____ _____

Project Manager Signature _____ **Date:** _____

Project Manager Print _____

Project Accountant _____ **Date:** _____

Project Accountant Print _____