



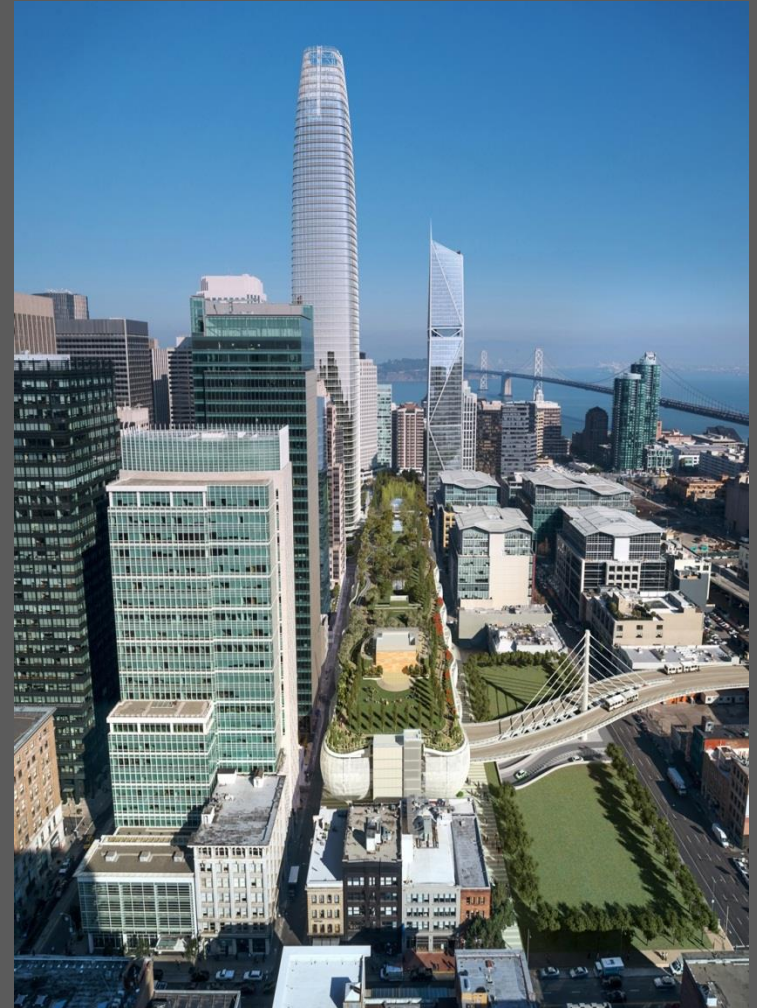
Transbay Transit Center

TRANSBAY TRANSIT CENTER

TG07.3 Miscellaneous Metals

Pre-Bid Question and Answer Session
Webcor/Obayashi Joint Venture Office
175 Beale St.
San Francisco, CA
2:00PM September 10, 2014

Please sign in!





Transbay Transit Center

Transbay Transit Center

TG07.3 Miscellaneous Metals

Project General Information

- Client: Transbay Joint Powers Authority (TJPA)
- General Contractor: Webcor/Obayashi Joint Venture
- Architect: Pelli Clarke Pelli Architects / Adamson Associates







BUILDING SECTION



Transbay Transit Center



NATOMA STREET VIEW – METAL AWNING





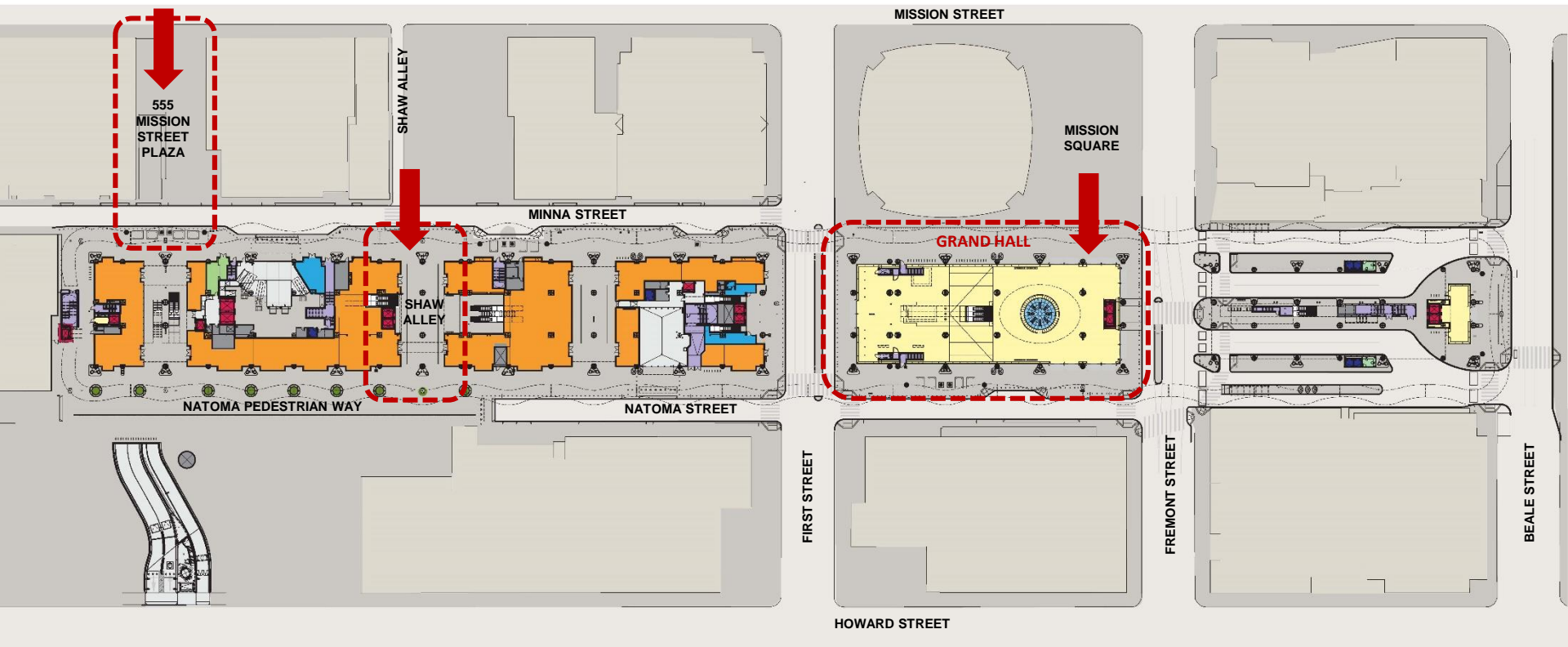
BEALE STREET VIEW



Transbay Transit Center

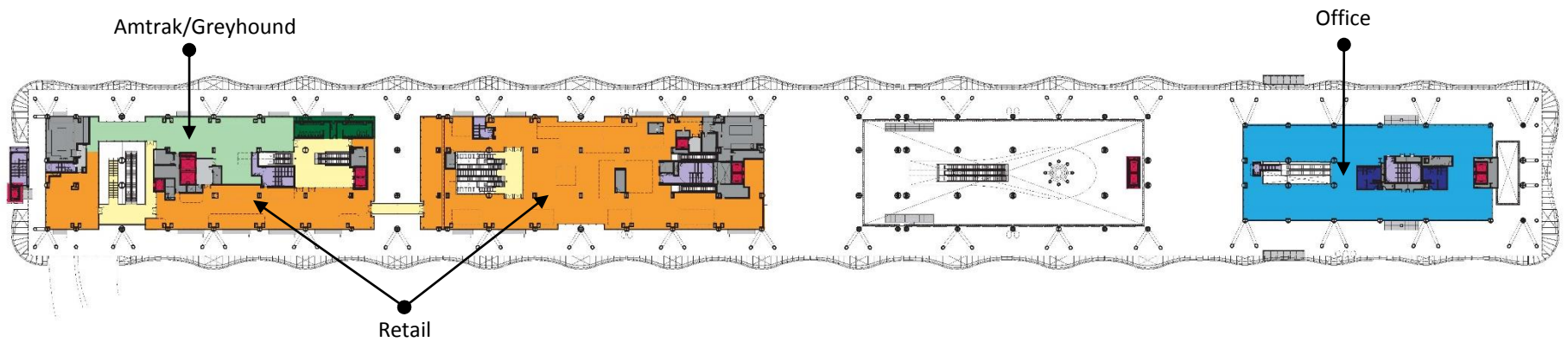


FIRST STREET VIEW



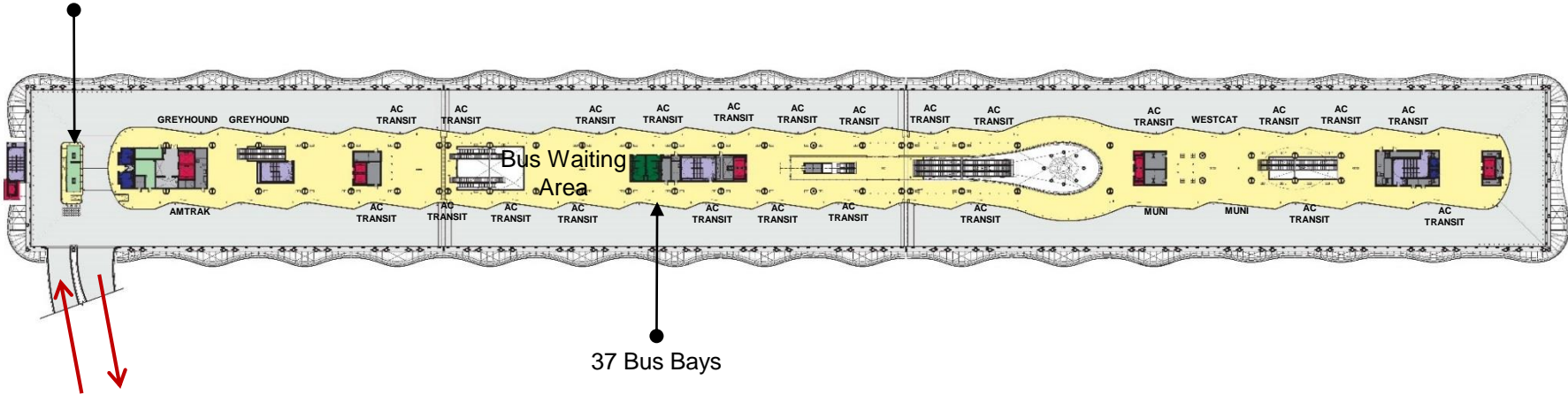
GROUND LEVEL PLAN





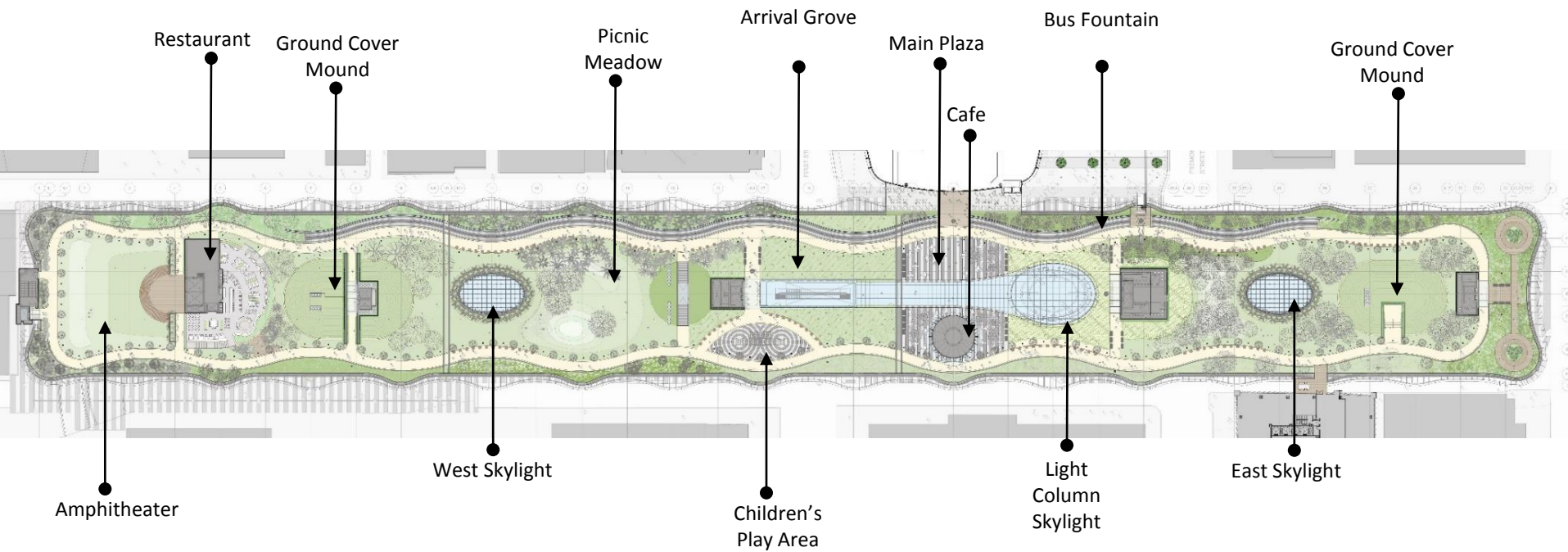
Second Level

Bus Deck
Superintendent
Station



37 Bus Bays

Bus Ramp





GRAND HALL



Transbay Transit Center



14
B
Next Bus
3:07pm

BUS DECK



Transbay Transit Center



ROOF PARK



Transbay Transit Center





Transbay Transit Center

Transbay Transit Center

TG07.3 Miscellaneous Metals

Scope Summary Review

- Furnish and install all:
 - Pit covers and associated frames
 - Catch basin covers and associated frames
 - Sump covers and associated frames
- All rails (including those marked as "Temporary", and all others) including all infill panels, toe guards, supports, sleeves, and all other integral pieces except as specifically excluded.
- All wire mesh fences, chain link fences and associate work.
- All metal wall plate and protective plating (including plate directly over studs, over drywall, CMU, column covers not integral to panelized wall systems, and all others) unless specifically excluded.



Transbay Transit Center

Transbay Transit Center

TG07.3 Miscellaneous Metals

Scope Summary Review

- All vanity support steel framing.
- All overhead catenary system (OCS) support as indicated on scoping drawings A1-8550 and A1-8551.
- All steel plate welded to columns and covered with waterproofing.
- Assume 30 tons of structural steel to be furnished and installed at elevator openings, and for escalator support as directed by Webcor/Obayashi Joint Venture.
- All steel plate within built-up floor/concrete slabs and waterproofing assemblies (see 1 - 4/A1-8713 and 5/A1-9317 for examples).
- All steel framing, metal deck, and grating for Fan Room Exhaust Shafts. (see 1 & 2/A1-8715)



Transbay Transit Center

Transbay Transit Center

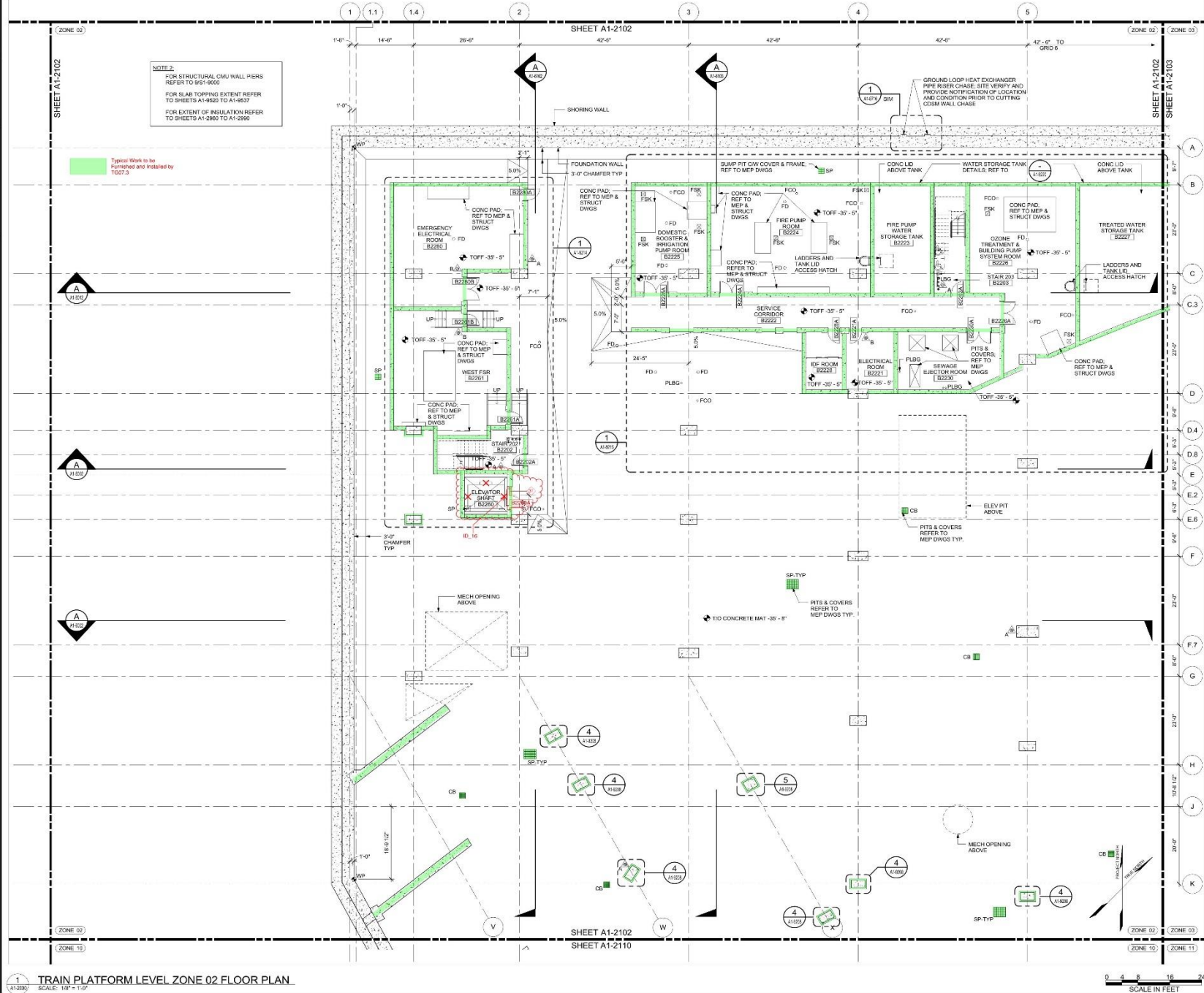
TG07.3 Miscellaneous Metals

Scope Summary Review

- All metal deck support as required on 12/S1-5003 for openings shown on architectural drawings, but not on structural drawings. Include the cutting of the metal deck, under deck support, and metal deck edge closure plate.
- All cast node partial cylindrical elements and closure elements (see 3/A1-8690 and 3/A1-8692 for examples). *Pay special attention to make cylindrical/closure element finishes (including the welds) match the adjacent surfaces/finishes after installation as required by the contract documents.
- All scanning for items furnished and installed as a part of this Trade Package which is shown to be post-installed anchors within the contract documents.
- Furnish and install all structural steel, miscellaneous metal, and metal deck as described in Specification Section 01 10 30/APE Schedule of Alternates E.1.2 as part of the Total Base Bid Price.

Note: If this sheet is not 48" x 36" it has been revised from its original size. Scales noted on drawings are no longer applicable.

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NOTE 2:
FOR STRUCTURAL CMU WALL PIERS
REFER TO S1-900
FOR SLAB TOPPING EXTENT REFER
TO SHEETS A1-952 TO A1-957
FOR EXTENT OF INSULATION REFER
TO SHEETS A1-260 TO A1-265

Typical Work to be
Furnished and Installed by
T027.3

Transbay Transit Center
TRANSBAY JOINT POWERS AUTHORITY

Pelli Clarke Pelli Architects
adamson
ASSOCIATES INC.

01	02	03	04	05	06	07	08
09	10	11	12	13	14	15	16

Key Map

REVISIONS	DATE	DESCRIPTION
1	08/11/11	ISSUED FOR CONSTRUCTION

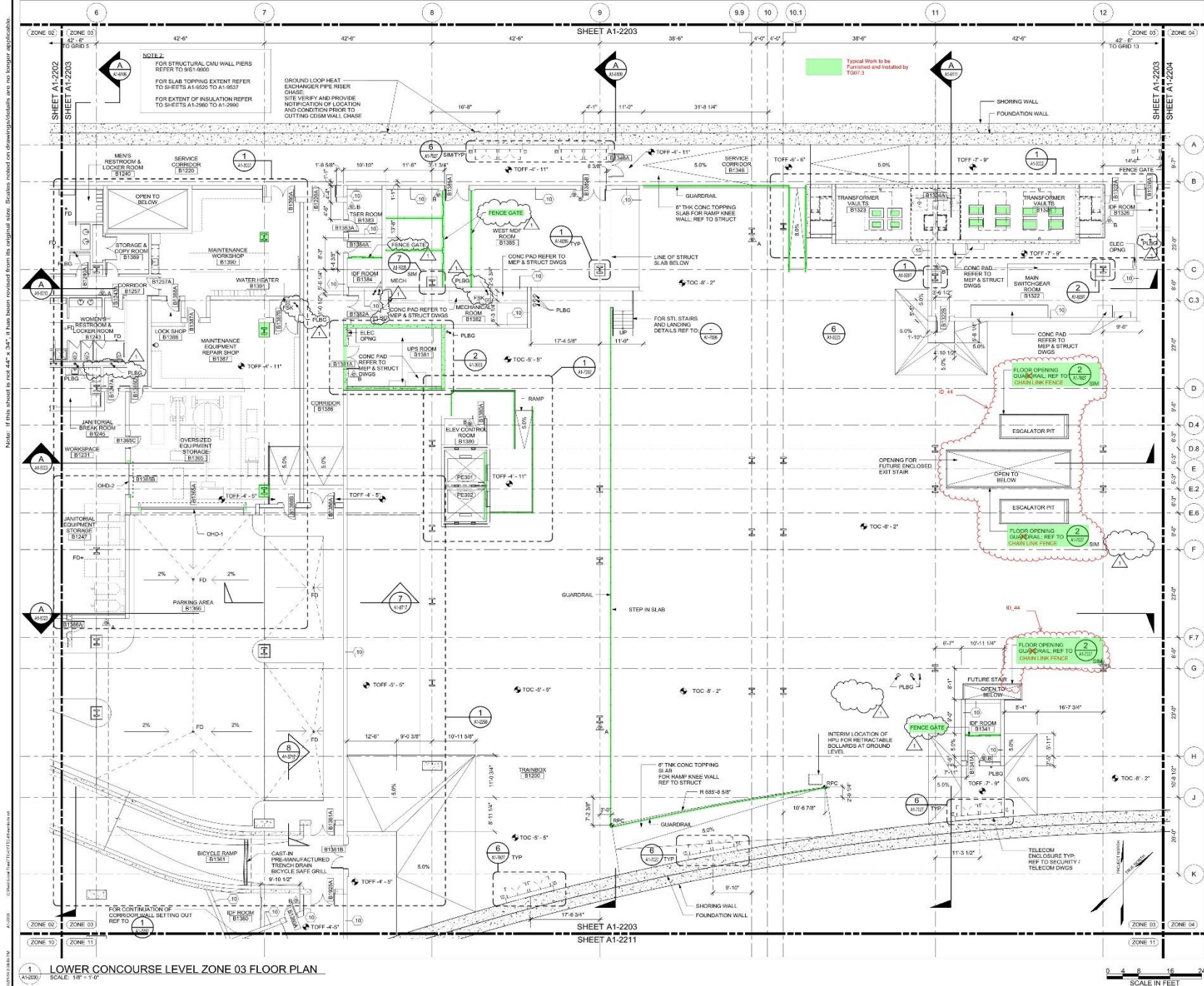
08-04-CMGC-000
TRANSBAY TRANSIT CENTER PROGRAM
TRANSBAY TRANSIT CENTER
SAN FRANCISCO, CA
TRAIN PLATFORM LEVEL
ZONE 02 FLOOR PLAN

Principal Architect: G. METZGER
Project Manager: S. ROTT
Architect: E. DEL ANDEL
Architect: W. BRADLEY
Architect: G. RAMLOCHAN
Scale: 1/8" = 1'-0"
Sheet Number: SKA-3482 (A1-2102)

1 TRAIN PLATFORM LEVEL ZONE 02 FLOOR PLAN
SCALE: 1/8" = 1'-0"

0 4 8 16 24
SCALE IN FEET

ISSUED FOR CONSTRUCTION





Transbay Transit Center
TRANSBAY JOINT POWERS AUTHORITY

Pelli Clarke Pelli Architects
adamson
ASSOCIATES INC.

REVISIONS	
NO.	DESCRIPTION
01	ISSUED FOR CONSTRUCTION
02	ISSUED FOR CONSTRUCTION
03	ISSUED FOR CONSTRUCTION
04	ISSUED FOR CONSTRUCTION
05	ISSUED FOR CONSTRUCTION
06	ISSUED FOR CONSTRUCTION
07	ISSUED FOR CONSTRUCTION
08	ISSUED FOR CONSTRUCTION

08-04-CMGC-000

TRANSBAY TRANSIT CENTER PROGRAM

TRANSBAY TRANSIT CENTER

SAN FRANCISCO, CA

LOWER CONCOURSE LEVEL

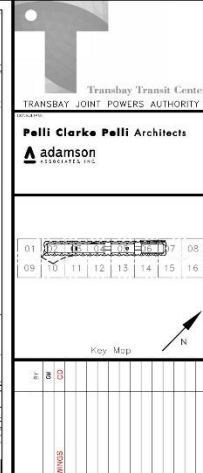
ZONE 03 FLOOR PLAN



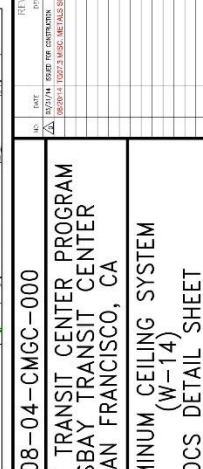
PROJECT ARCHITECT: G. METZGER
PROJECT MANAGER: S. ROTT
ARCHITECT: P. MACPHERSON
ARCHITECT: K. WROBLEWSKI
DATE: 06/20/2018
SHEET NUMBER: 140
DESIGN NUMBER: 140

SKA-3489
(A1-2203)

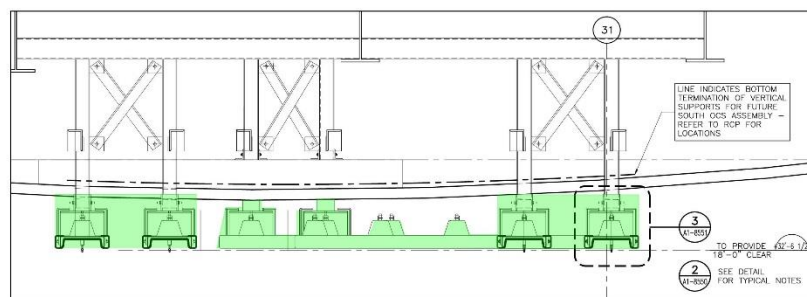
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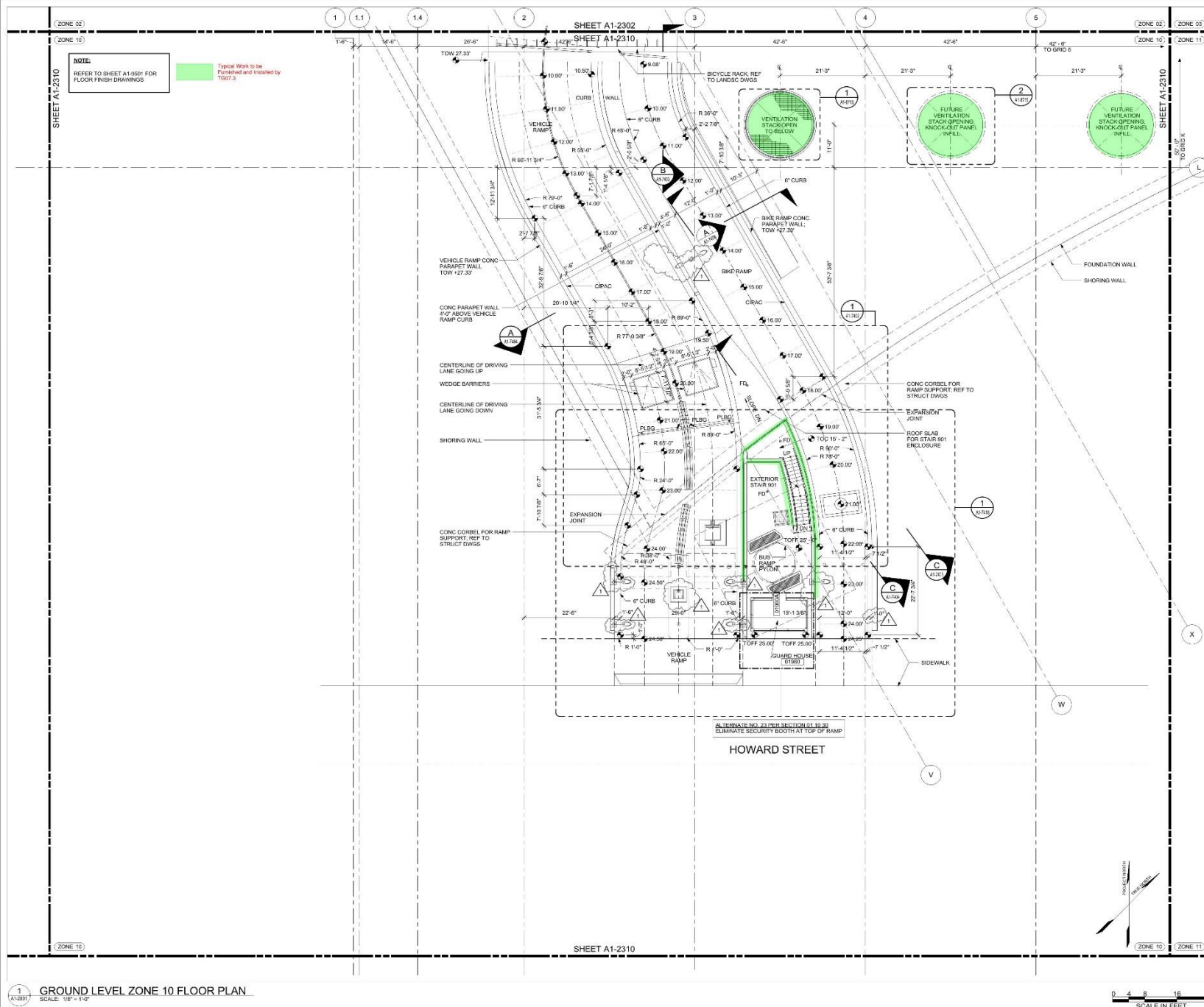
Typical Work to be
Furnished and Installed by
TG07.3



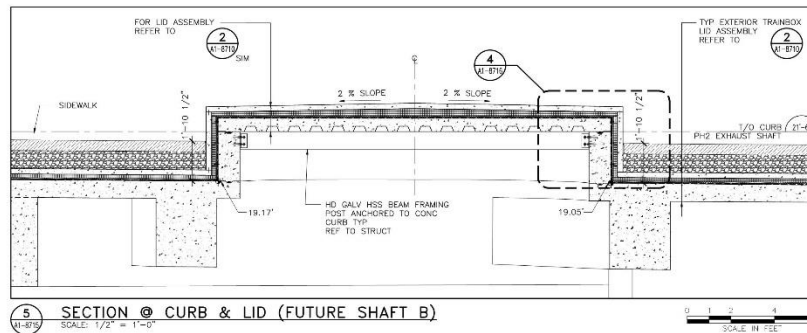
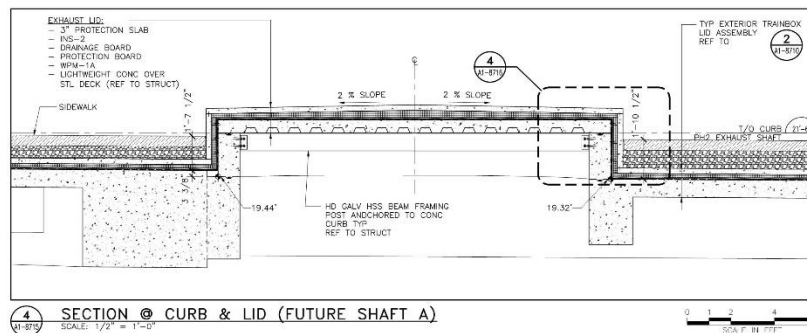
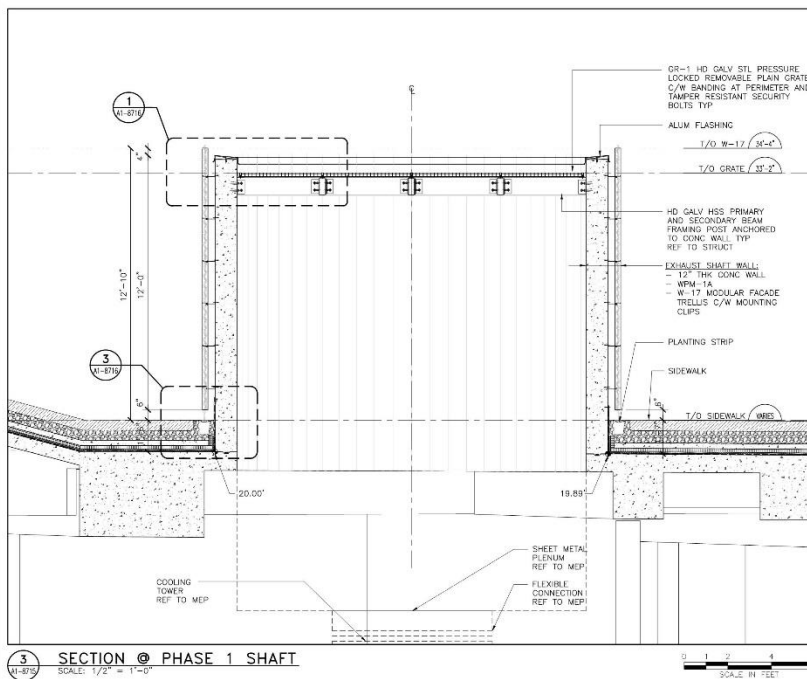
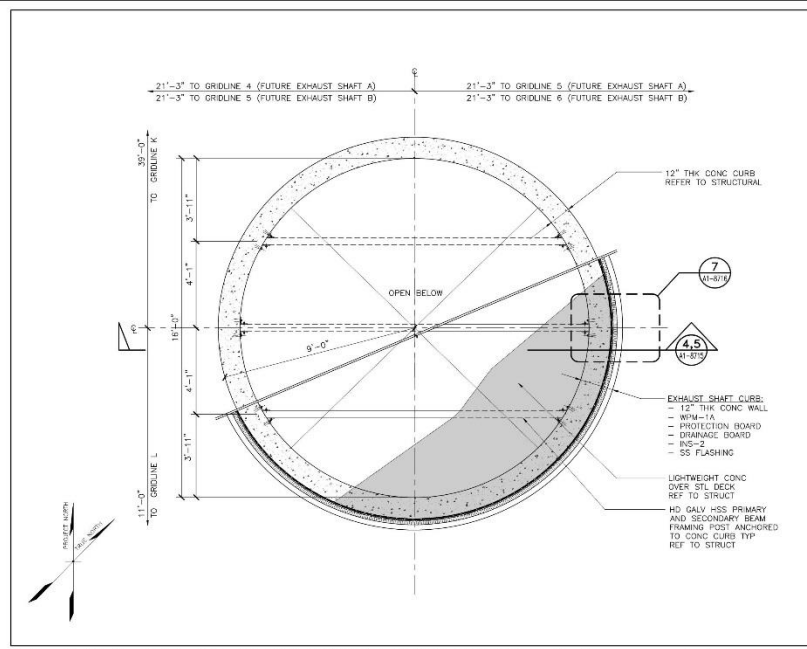
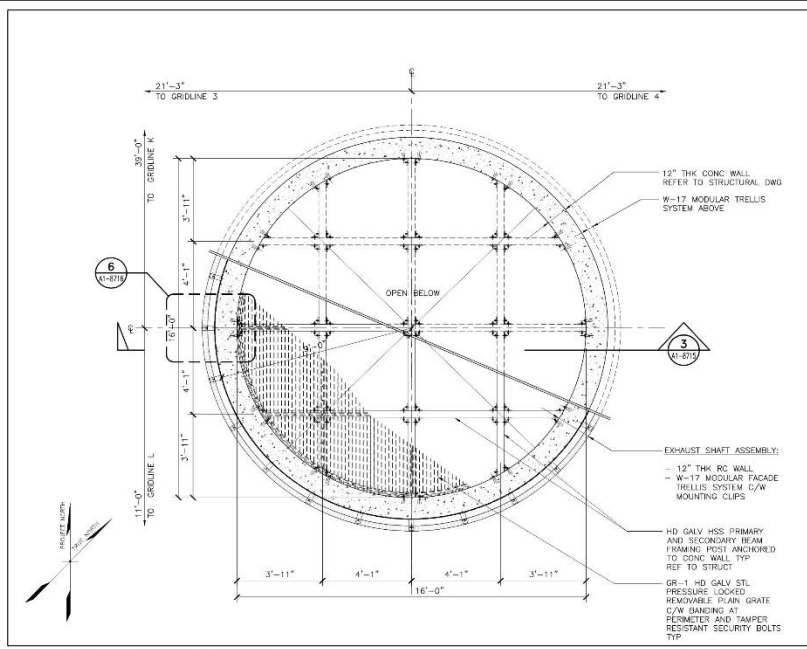
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4 W-14 SECTION DETAIL AT OCS SHIELD
A1-8574 SCALE: 1" = 1'-0"



 Transbay Transit Center TRANSBAY JOINT POWERS AUTHORITY																	
Pelli Clarke Pelli Architects 																	
 Key Map																	
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Transbay Transit Center
TRANSBAY JOINT POWERS AUTHORITY

Pelli Clarke Pelli Architects
adamson
ARCHITECTS INC.

01	02	03	04	05	06	07	08
09	10	11	12	13	14	15	16

Key Map

08-04-CMGC-000

TRANSBAY TRANSIT CENTER PROGRAM
TRANSBAY TRANSIT CENTER
SAN FRANCISCO, CA

WEST FAN ROOM
EXHAUST SHAFT
WATERPROOFING DETAILS

DESIGNED BY: G. METZGER
PROJECT MANAGER: S. ROTT
CHECKED BY: E. DEL ANGEL
DESIGNED BY: P. MACPHAIL
PROJECT MANAGER: W.R. BRADLEY
DATE: 03/31/2014
SCALE: 1/2" = 1'-0"
SHEET NUMBER: 140 OF 140



1 TYPICAL COMPOSITE STEEL DECK BETWEEN OPENINGS
58-600 SCALE: 1" = 1'-0"



4 BUS DECK SLAB S8 DETAIL
SCALE: 1" = 1'-0"

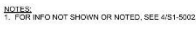


7 MUNI BUS PLAZA SLAB S10 AND S12 DETAIL
51-6000 SCALE: 1" = 1'-0"



10 SLAB S3 DETAIL
SCALE: 1" = 1'-0"

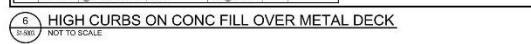




8 DEPRESSED BEAM AT SLOPE TRANSITION
51-805 SCALE: 1" = 1'-0" 3-2003, 51-2009

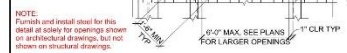


11 TYPICAL DETAIL STEEL BEAM SUPPORTING CMU WALL
S1300 SCALE: 1" = 1'-0" 0 1/2





9 TYPICAL ROUND SLAB OPENING - UP TO 8"
51-6003 NOT TO SCALE




12 LARGE OPENING IN STEEL DECK
SI-6000 NOT TO SCALE

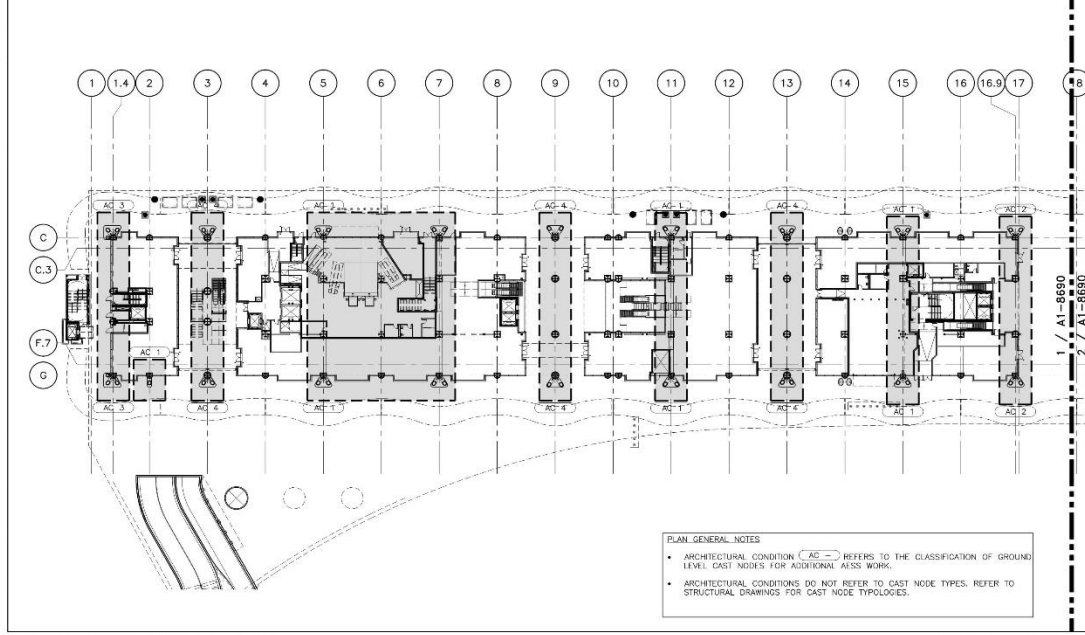


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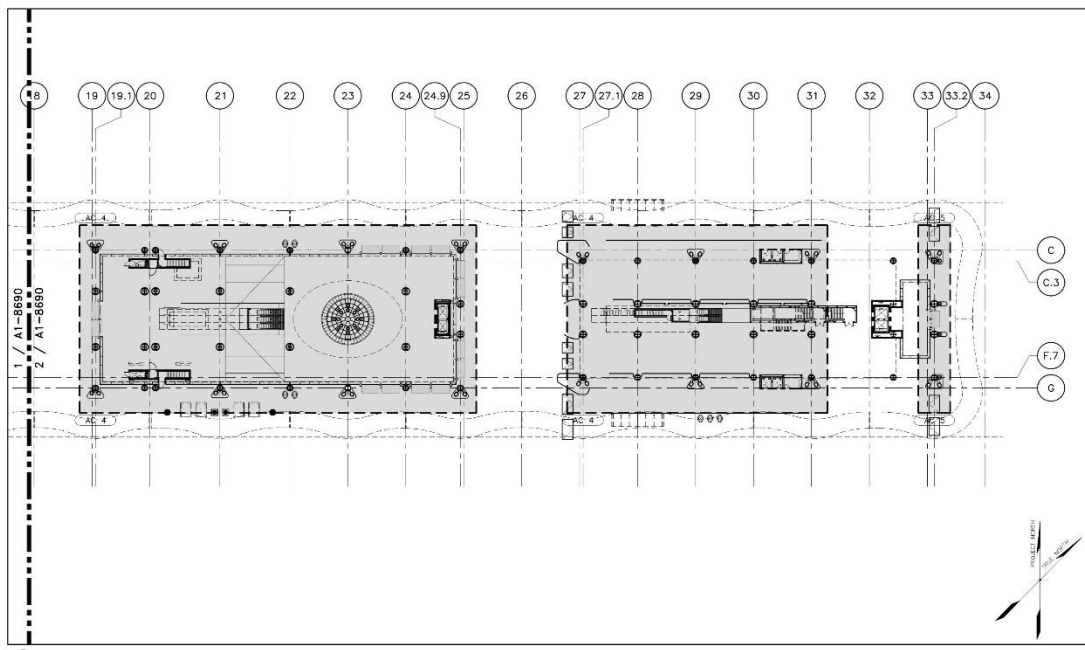
METAL DECK DETAILS

08-04-CMGC-000

			
PROJECT: PRINCIPAL ENGINEER B. GIBBONS			
APPROVAL: A. CHEN			
PROJECT MANAGER K. GULEC			
APPROVER: PROJECT ENGINEER			
PROJECT BY: A. CHEN		DRAWING BY: L. JOSEPH	
PROJECT: A. CASTILLO		DATE: 12/13/2013	
AS NOTED		SHEET NO. E	TOTAL SHEETS 140
SHEET NUMBER		SEQUENCE NUMBER 3	
S1-5003		of	



1 PLAN - CAST NODE MAP
SCALE: 1/32" = 1'-0"



2 PLAN - CAST NODE MAP
SCALE: 1/32" = 1'-0"

AC 1 (ARCHITECTURAL CONDITION 1)

- FRONTAL CAST NODE ENGAGED IN W-2 ENVELOPE
- INCLUDES INSTANCE WITH ONLY ONE DIAGONAL COLUMN (Ø CL 2)
- SEE A1-8691

GENERAL NOTES

1 ISOMETRIC VIEW DETAILS INDICATE CONDITIONS OF CAST NODE WITH ADDITIONAL ASSE ELEMENTS WELDED TO THEM. SEE STRUCTURAL FOR WELDING.

AC 2 (ARCHITECTURAL CONDITION 2)

- CAST NODE ENGAGED IN W-2 ENVELOPE AT CORNER
- OCCURS ONLY ALONG CL 16.9
- SEE A1-8693 FOR DETAILS
- REQUIRES PARTIAL CYLINDRICAL ASSE ELEMENT, SEE DETAIL

AC 3 (ARCHITECTURAL CONDITION 3)

- 3 DIAGONAL CAST NODE ENGAGED AT W-2 CORNER
- OCCURS ONLY ALONG CL 1.4
- SEE A1-8693 FOR DETAILS
- REQUIRES PARTIAL CYLINDRICAL ASSE ELEMENT, SEE DETAIL

AC 4 (ARCHITECTURAL CONDITION 4)

- TYPICAL PRESTANDING CAST NODE
- OCCURS AT PASS THROUGH, AROUND GRAND HALL AND AT MUNI-PLAZA
- SEE A1-8694 FOR DETAILS
- REQUIRES PARTIAL CYLINDRICAL ASSE ELEMENT, SEE DETAIL

AC 5 (ARCHITECTURAL CONDITION 5)

- PRESTANDING CAST NODE WITH 3-DIAGONAL COLUMNS
- OCCURS ONLY AT CL 33.2
- SEE A1-8695 FOR DETAILS
- REQUIRES PARTIAL CYLINDRICAL ASSE ELEMENT, SEE DETAIL

3 CAST NODE CONDITION AND FINISH MATRIX

SCALE: 1/32" = 1'-0"

Transbay Transit Center
TRANSBAY JOINT POWERS AUTHORITY

Pelli Clarke Pelli Architects
adamson
ASSOCIATES LLP

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16

Key Map

08-04-CMGC-000

TRANSBAY TRANSIT CENTER PROGRAM
TRANSBAY TRANSIT CENTER
SAN FRANCISCO, CA

CAST NODE LEGEND

PROJECT NUMBER: A1-8690

DATE: 07/17/2013

PROJECT MANAGER: S. ROTT

PROJECT MANAGER: E. DEL ANGEL

PROJECT MANAGER: W.R. BRADLEY

PROJECT MANAGER: L. CIFALA

PROJECT MANAGER: 07/17/2013

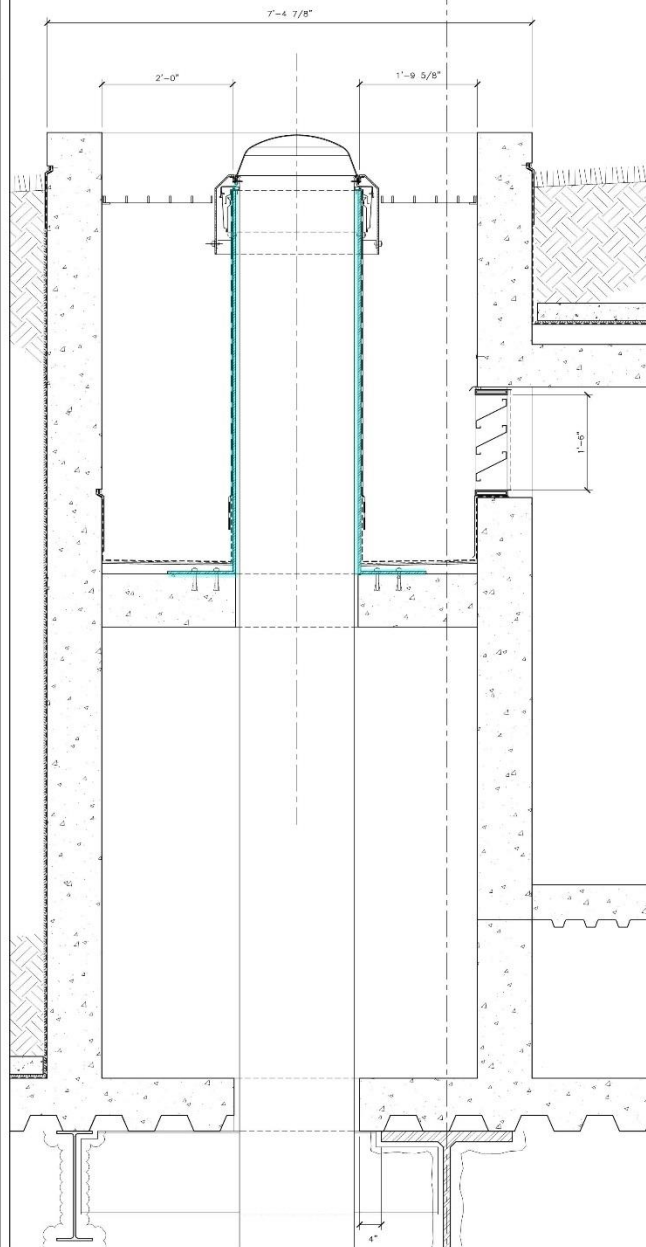
PROJECT MANAGER: 140

PROJECT MANAGER: 1

PROJECT MANAGER: 636

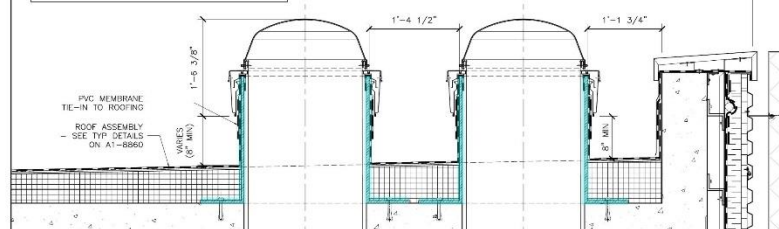
ISSUED FOR CONSTRUCTION

30



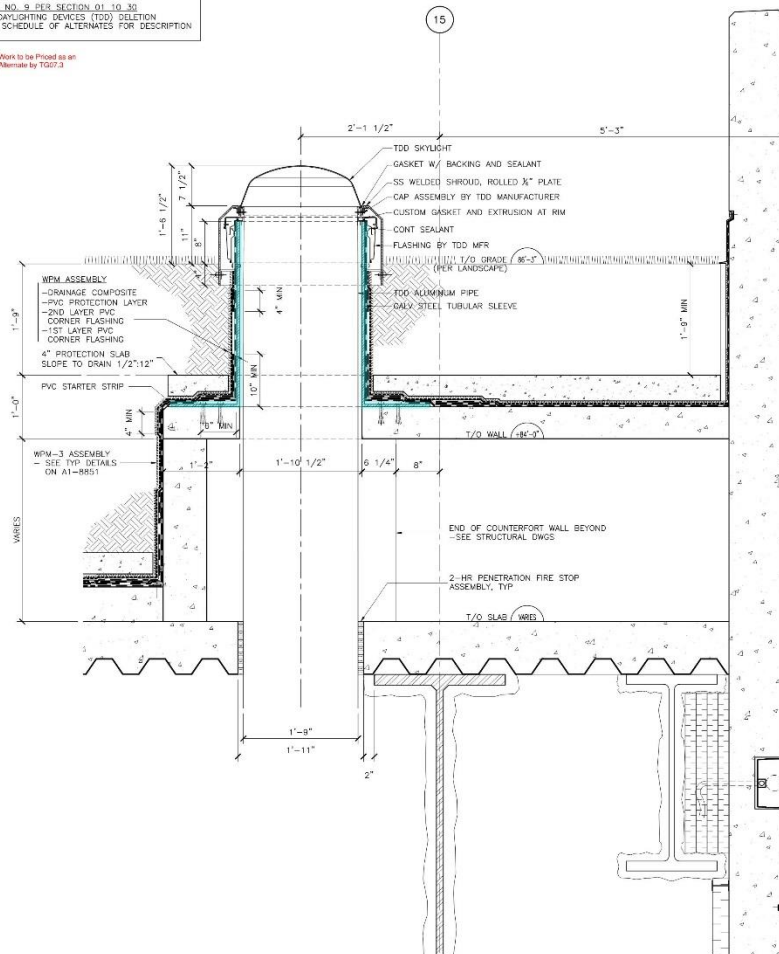
© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 105–112

3'-4" 3'-6" 8"



○

Work to be Priced as an Alternate by TQ07.3



DATE	DESCRIPTION	REVISIONS
10/17/14	ISSUED FOR CONSTRUCTION	04
10/23/11	T022.7 MISCELLANEOUS METALS SCOPING DRAWINGS	03

08-04-CMGC-000

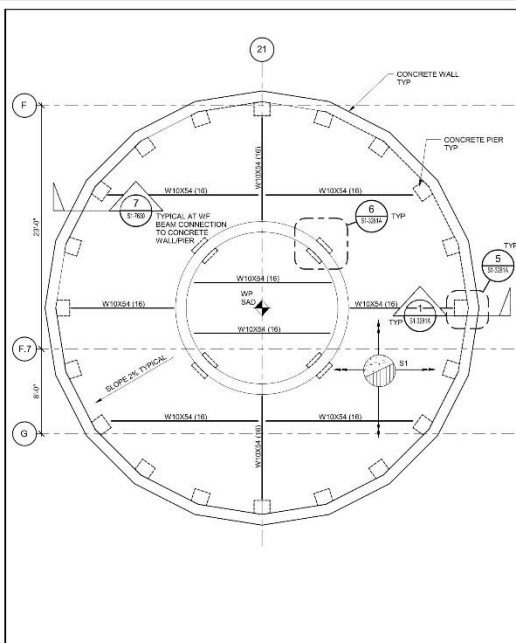
TRANSBAY TRANSIT CENTER PROGRAM
TRANSBAY TRANSIT CENTER
SAN FRANCISCO, CA

TUBULAR DAYLIGHTING DEVICES
DETAILS

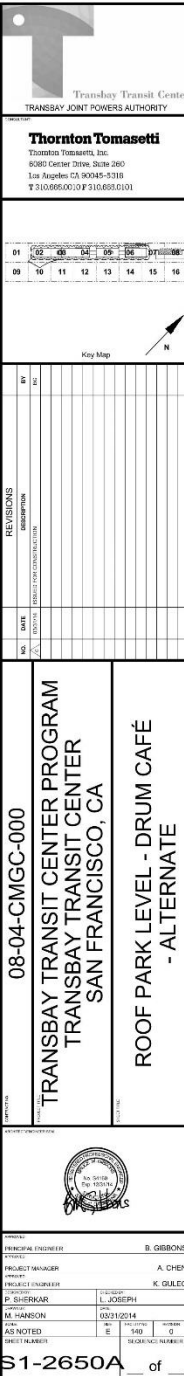


APPROVED		G. METZGER	
PRINCIPAL ARCHITECT			
APPROVED		S. ROTUNDO	
PROJECT MANAGER		E. DEL ANGELO	
REGISTERED IN:		CHECKED BY:	
E. DEL ANGELO		W.R. BRADLEY	
DRAWN BY:		DATE:	
A. RYBICKI		03/31/2014	
SHEET:		QUANTITY:	PERCENT:
1-1/2" = 1'-0"		E 140	0
SHEET QUANTITY:		SEQUENCE NUMBER:	

A1-8877 of



1 DRUM CAFE
S1-3650A SCALE: 1/4" = 1'-0"





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Questions?



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IFB Package Timeline

Bid Package Issued:	August 20, 2014
Pre-Bid Conference:	September 10, 2014 (2:00 p.m.)
Qualifications Due (for non-qualified):	September 17, 2014 (2:00 p.m.)
Notification of Qualification (for non-prequalified):	September 24, 2014
Questions/Clarifications (QBD) Due:	October 8, 2014 (2:00 p.m.)
Pre-Bid Request for Substitution:	October 1, 2014 (2:00 p.m.)
Value Engineering (VE) Proposals Due:	October 8, 2014 (2:00 p.m.)
VE Proposals Review:	October 9, 2014 – October 22, 2014
Bid Package Due:	October 22, 2014 (2:00 p.m.)
Public Bid Opening:	October 22, 2014 (2:00 p.m.)
Protest Period:	October 22, 2014 (2:00 p.m.) – October 29, 2014 (2:00 p.m.)
Notification of Intention to Award Contract	November 2014
TJPA Board Vote to Approve the Contract Award:	November 13, 2014



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Obtaining Contract Documents

- TJPA Website
 - List of all Exhibits
 - Non Disclosure Agreement (NDA)
- Plan Room (ARC)
 - Non-SSI
 - SSI
- Box.com
 - SSI (Managed by TJPA)
 - Supplemental Documents (Managed by Webcor-Obayashi Joint Venture)



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Request for Information P1-0001 to P1-0443

Pay close attention
to the following RFIs:

RFI No.	Subject
P1-0300	Design Requirements for Galvanized Metal Plate per Detail 3/A1-8894
P1-0065	Steel Plate Supporting Concrete Topping Slab
P1-0066	Escalator Pit at Shaw Alley
P1-0070	Steel Flashing at Column
P1-0071	Layout for Guardrail
P1-0072	C-Channel Support in Mech Shaft 01424
P1-0134	Embeds for Superintendent Station
P1-0134.1	Required Detailing for Superintendent's Station Concrete Platform
P1-0201.1	Fastening Requirements for 1/8" Thick SS Bent Metal Plates
P1-0206	Galv. Metal Plate at Fireproofed Beam
P1-0206.1	Design Requirements for Galvanized Metal Plate per Detail 3/A1-8897
P1-0208	Alum. Checker Plate
P1-0210	Galvanized Plate Detail
P1-0212	Hot dipped galvanized Plates
P1-0245	Information on Steel Plates for Utility Pads
P1-0248	Information on Checker Plate on Loading Dock CMU Walls
P1-0250	Reference for Corner Guards
P1-0254	Corner Guard Specification Details
P1-0279	Details for Threaded Insert Drainage
P1-0286	Specification for Chain Linked Fences
P1-0290	Painted Galvanized Flashing per ASI 119 and Specification Section 07 62 00 2.3 A
P1-0292	Grout Placement Beneath Drain Hole at Rail Embed
P1-0315	Structural Information on OCS Trough Support
P1-0315.1	Design Requirements for OCS Trough Support
P1-0316	SFMTA Design & Construction Documents for Muni Bus Plaza Ceiling & OCS System
P1-0317	OV Series Sheets for OCS System
P1-0319	AESS Category for Light Columns
P1-0363	Walk-Off Mats at Ground Level
P1-0387	Corner Guards Dimension Details per ASI 123



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Redline Markups

The redline marked up drawings and narratives included with the ASI documents are designed to relay specific scopes of work that are modified to reflect scope changes. Redline markups in ASI drawings are only to be used to indicate scope modifications. These scope modifications are to be applied to the current set of drawings and specifications.



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Pre-Bid Substitution Request

00 04 41 – PRE-BID REQUEST FOR SUBSTITUTION

During the bidding period, a proposed change by a bidder of a product, equipment, or service required by the Contract Documents is considered a pre-bid request for substitution. A pre-bid request for substitution will be considered as part of the questions on bid documents (QBD) process. Refer to the CM/GC's Bid Manual for QBD instructions and forms.

During the bidding period and prior to the deadline for the submission of QBDs, Bidders may submit a request for a substitution of an "or equal" product, equipment, or service specified in the Contract Documents by completing and submitting this form as an attachment to a QBD, in accordance with the QBD process. The TJPA will respond in writing to a pre-bid request for substitution in accordance with the QBD process and deadlines specified in the bidding documents.

Pre-bid requests for substitution requested during the bidding period and accepted by Addendum prior to opening of bids are included in the Contract Documents.

Spec. Section: _____ Date: _____
Drawing Sheet: _____ Paragraph(s): _____
Detail(s): _____

Proposed Substitution: _____
Manufacturer/Address/Phone: _____
Trade Name/Model No.: _____

Product History: ☐ New ☐ 2-5 years old ☐ 5-10 years old ☐ More than 10 years old

Differences between proposed substitution and specified product (attach required point-by-point comparative data):

Reason for not providing specified item:

Similar installation where proposed substitution has been used (Project/Address/Architect/Owner/Date Installed):

Proposed substitution affects other parts of the Work: ☐ No ☐ Yes: explain

Changes or modifications needed to coordinate other parts of the Work that will be necessary to accommodate the proposed substitution:



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QBD & VE Process

B. Questions On Bid Documents (QBD)

Project: Transbay Transit Center

(WEBCOR/OBAYASHI JOINT VENTURE USE)

QBD No.: _____

Received: _____

TJPA to: _____ Date: _____

Consultant to TJPA: _____

Addendum Required? Yes: _____ No: _____

To Bidders Yes: _____ No: _____

Contract

No.: _____

To: Webcor/Obayashi Joint Venture

(See Exhibit A For Contact Information)

From: _____ Date: _____

Firm: _____ Telephone: _____

Fax: _____

Specification Section: _____ Paragraph(s): _____

Drawing Sheet: _____ Detail(s): _____

Question: _____

☐ Mark this circle if the QBD can be answered by Bidder's review of the documents. Reply with location(s) where the information can be obtained.

Reply:

By: _____ Firm: _____ Date: _____

The reply is an answer to a Bidder's question. The reply does not change the Bid Documents unless the information contained therein is issued in an Addendum. At the sole discretion of Webcor/Obayashi Joint Venture, the question and reply may be returned to the questioner and distributed to those on the Plan Holders List for informational purposes.

END OF QBD

SECTION 00 04 20 – VALUE ENGINEERING PROPOSALS

PART 1 – GENERAL

1.1 SUMMARY

- A. Bidders are encouraged to submit Value Engineering proposals in conjunction with their Bids (a "Pre-bid VE proposal"). Following award of a Trade Work Package subcontract ("Subcontract"), Trade Subcontractors are encouraged to submit Value Engineering proposals during the performance of the Work (a "Post-contract-award VE proposal"). This section addresses both Pre-Bid and Post-contract-award VE proposal (collectively referred to as a "VE proposal") requirements and procedures.

1.2 DEFINITION

- A. "Value Engineering" or "VE" as used in this section is a tool whereby Bidders or Trade Subcontractors use their expertise to develop, prepare, and submit proposals to optimize value during the performance of the Work.
- B. "Bidder" or "Bidders" as used in this section shall mean potential Trade Subcontractors that submit a bid directly to the CM/GC. A lower tier subcontractor or a material supplier to a potential Trade Subcontractor is not a Bidder for purposes of this section and cannot submit Pre-bid VE proposals directly to the CM/GC.
- C. "Trade Subcontractor" or "Trade Subcontractors" as used in this section shall mean the entity that has been awarded a Trade Work Package and executed a Subcontract with the CM/GC for the Trade Work Package.

1.3 REQUIREMENTS

- A. VE proposals must include:
1. A VE technical proposal:
 - a. A detailed description of the VE work to be performed, including the means and methods of performance.
 - b. A description of other work that may be affected by the VE work.
 - c. A description of proposed changes, if any, to the Contract Documents and a listing of those Contract Documents as a result of the VE work.
 - d. A description of known or anticipated impacts to LEED certification as a result of the VE work.
 2. A VE cost proposal:
 - a. Any known or anticipated schedule impacts stated in plus or minus working days.
 - b. The costs savings stated as a specific dollar amount.
 - c. A description of bid items affected and resulting quantity changes, if any.
 3. Name and address of projects on which a similar VE proposal has been used and the date the proposal was implemented.
- B. If a VE proposal calls for changes in material, a request for substitution must accompany the VE proposal. Refer to Section 01 16 30.



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Questions?



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SBE Program Overview/Participation Goal





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SBE PROGRAM OVERVIEW

Certification & Certifying Agencies



DBE



SBE



LBE



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Veteran Business & Workforce Participation





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Overall SBE Project Participation Goal: 17%

- 143 SBEs to date

17%





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Participation Goal

10% SBE Participation Goal for this Package

Focus on “Trade Package Specific Information”

- Certifications: SBE/DBE/LBE
- Certification: Assistance Provided By Program
- Compliance: Commercially Useful Function Guidelines



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E. Subcontractor List (SL) – Project Bidding Manual

E. Subcontractor List (SL)

Bidder shall provide the requested information for each subcontractor who shall perform work in excess of 1/2 of 1% of the Grand Total Bid Price. If this project involves the construction of streets, highways, or bridges, Bidder shall provide the information for each subcontractor who shall perform in excess of 1/2 of 1% of the Grand Total Bid Price or \$10,000, whichever is greater.

Under San Francisco Administrative Code section 6.21A(9) and California Public Contract Code section 4104, failure to provide at a minimum the name, location of the place of business, and the portion of work to be performed by each such subcontractor may render the bid nonresponsive or the Bidder unqualified to perform the work under this Contract. Bidders may provide license numbers or additional identifying information within 24 hours of the time bids are received. Where Webcor/Obayashi Joint Venture cannot identify a subcontractor with the information provided by a Bidder or where conflicting information is provided, Webcor/Obayashi Joint Venture may consider the subcontractor unlisted for purposes of Public Contract Code section 4106.

Bidder shall also list all SBE subcontractors and suppliers, including the respective subcontract dollar amounts for each, on the Bidders/Proposers Information Form in order to receive participation credit toward the SBE participation goal. Failure to include this information with the Bid may result in a determination that the Bidder has not met the SBE participation goal and its bid is therefore nonresponsive.

Subcontractor Name:

Address:

Portion of Work:

Amount of Subcontract:

Contractor's License No.:

San Francisco Business Tax Registration No.:



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Bidder/Proposer Information Request From 00 08 21/AT3-B

**TRANSBAY JOINT POWERS AUTHORITY
BIDDERS/PROPOSERS INFORMATION REQUEST FORM
SECTION 00 08 21/AT3-B**

To be completed by Prime Contractor and submitted as part of bid/proposal.

[illegible]



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Remember to sign all forms!!

Questions?

Thank You!