

TRANSBAY TRANSIT CENTER

TG16.3 Terrazzo

Pre-Bid Question and Answer Session Webcor/Obayashi Joint Venture Office 175 Beale St. San Francisco, CA 2:00PM March 3, 2015

Please sign in!





Project General Information

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





TRANSBAY DISTRICT



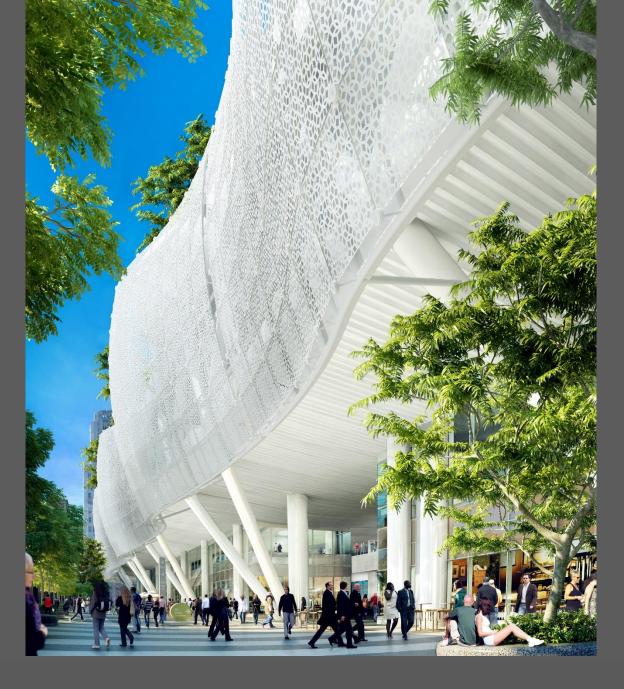


TRANBAY TRANSIT CENTER



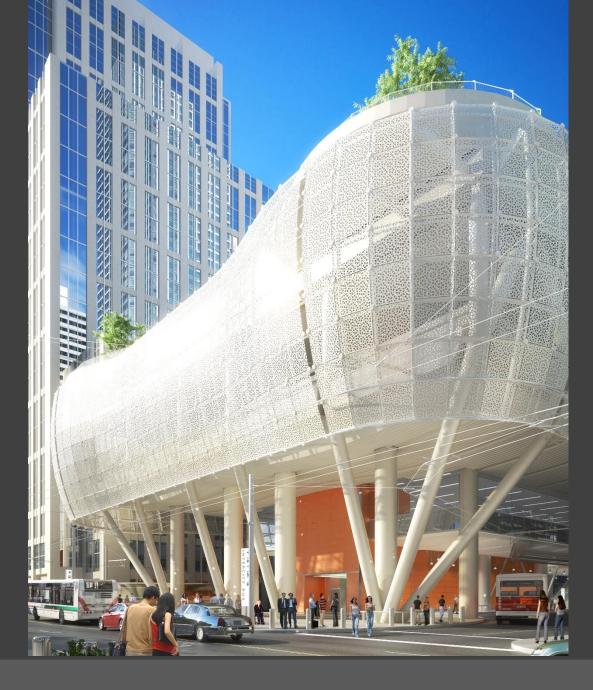
Transbay Transit Center

BUILDING SECTION





NATOMA STREET VIEW – METAL AWNING



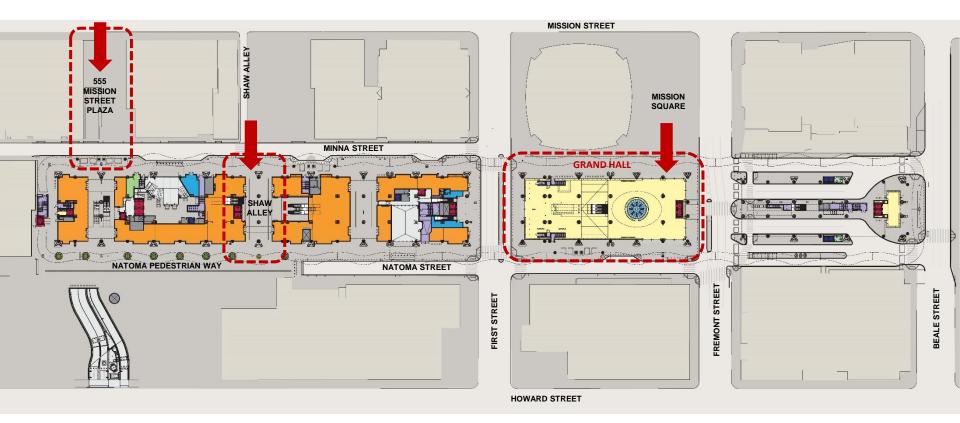


BEALE STREET VIEW



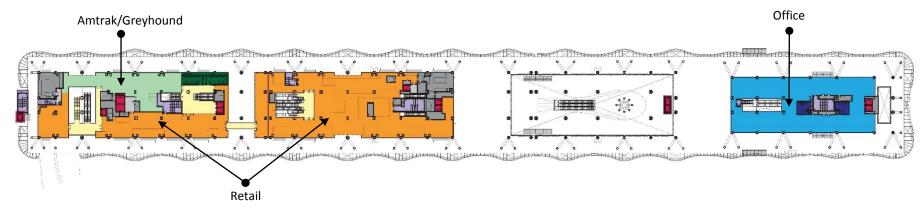
FIRST STREET VIEW







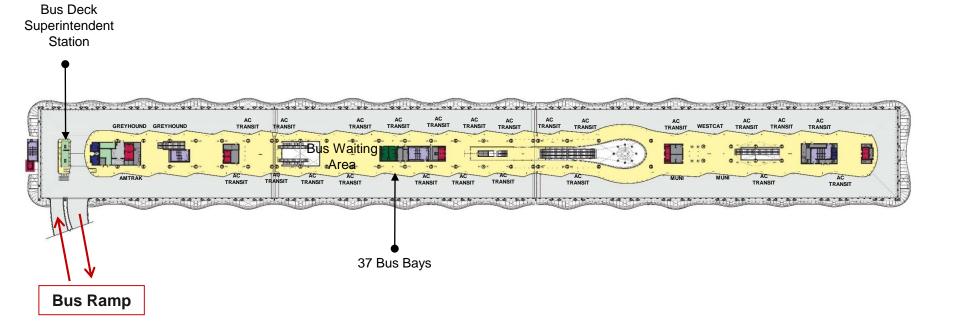
GROUND LEVEL PLAN





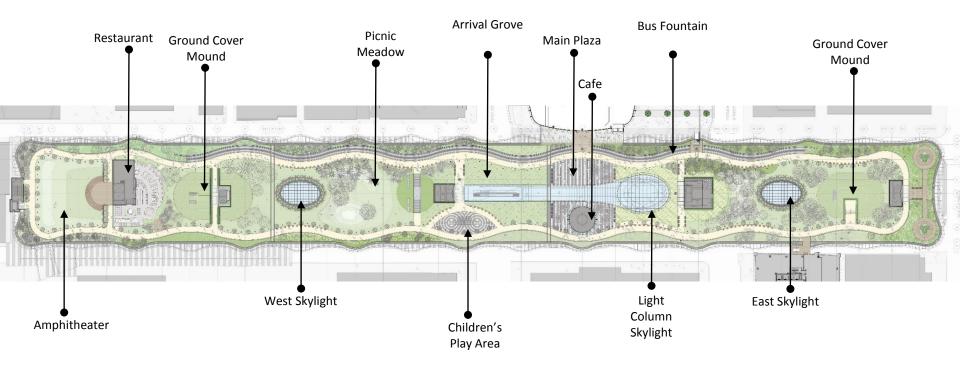


SECOND LEVEL PLAN





BUS DECK LEVEL PLAN





ROOF PARK LEVEL PLAN



GRAND HALL



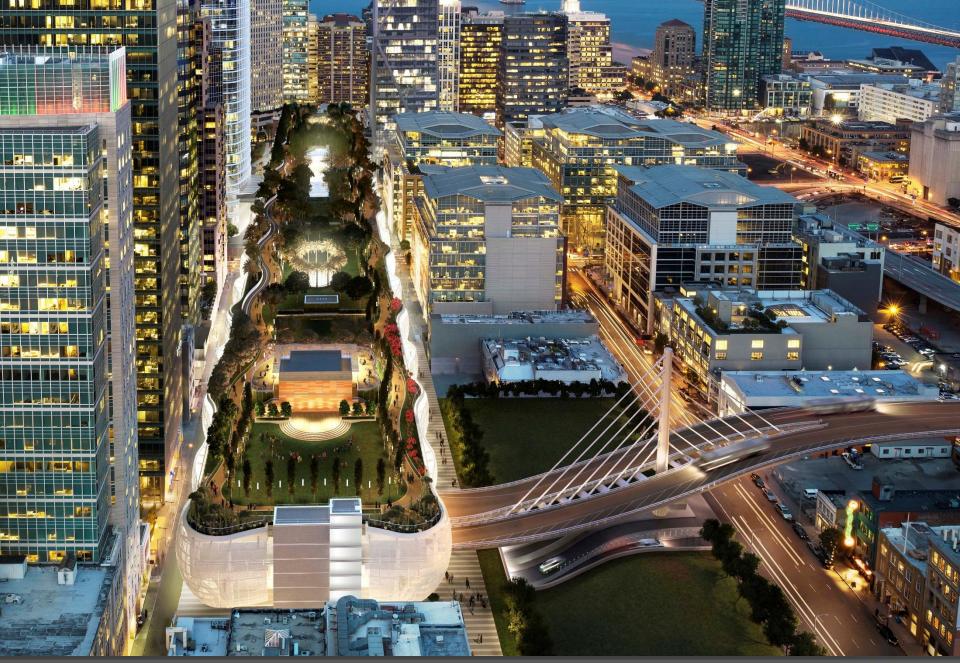


BUS DECK





ROOF PARK





TRANBAY TRANSIT CENTER

Transbay Transit Center

0



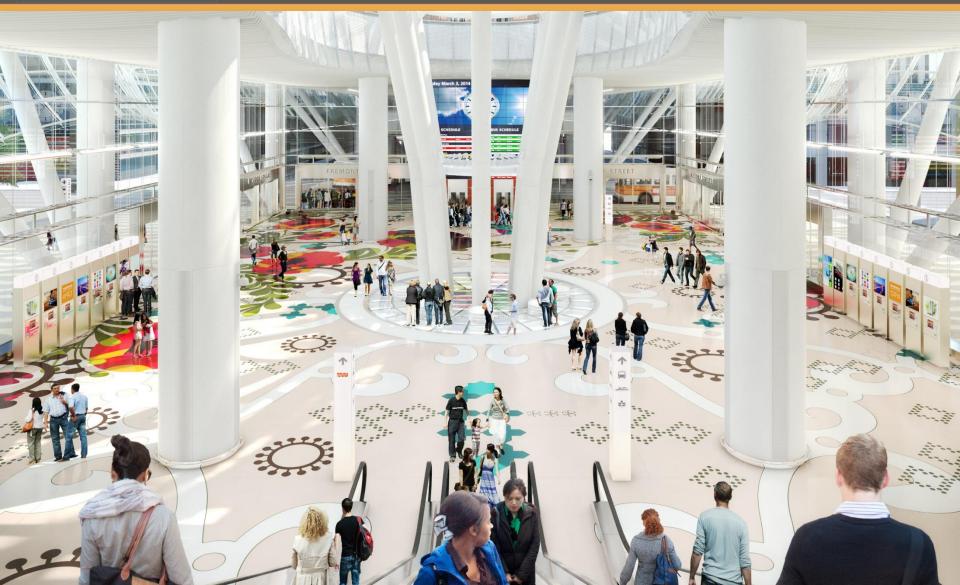


Transbay Transit Center

0















Transbay Transit Center

0



Transbay Transit Center

0







Transbay Transit Center

0



Transbay Transit Center

0



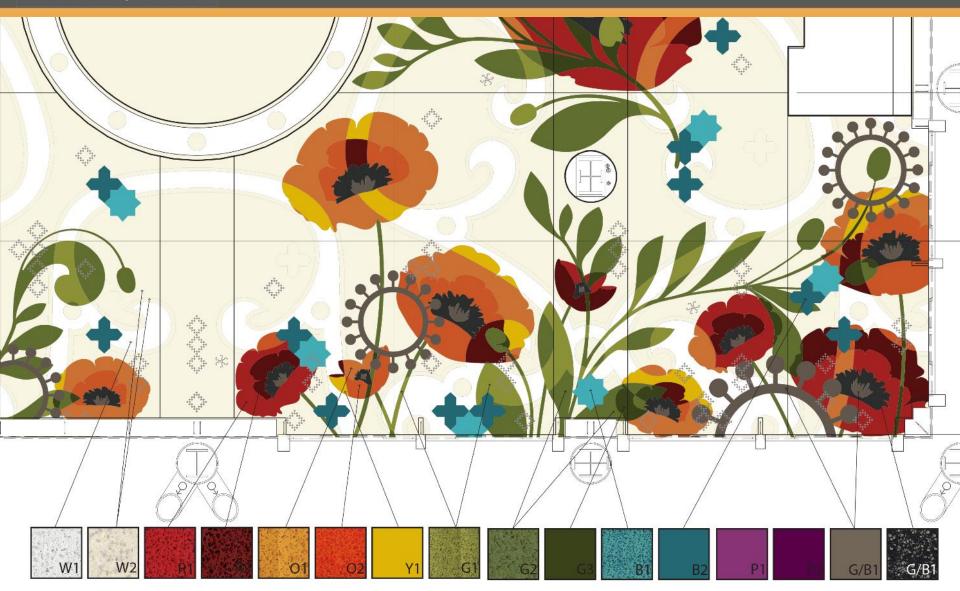




Pattern Template: An electronic file is included in the bid package for installer's use in the layout of the divider strips and colors to be used in addition to hard copy layout drawings in contract documents.

Transbay Transit Center

0





Artwork Colors (TERR-1): Final design to consist of 16 different colors. 16 colors are custom colors.

Colors will consist of:

- 1) 2 Whites
- 2) 2 Reds
- 3) 2 Oranges
- 4) 1 Yellows
- 5) 3 Greens
- 6) 2 Blues
- 7) 2 Purples/Pinks
- 8) 2 2 Greys/Blacks

Aggregates:

50% recycled glass/mirror and 50% natural marble/stone. (Some areas may be 100% glass (white Victorian brand) and others 100% marble (background) or some variation in between (70% glass, 25% mirror, 5% marble) (50% glass, 25% mirror, 25% marble)

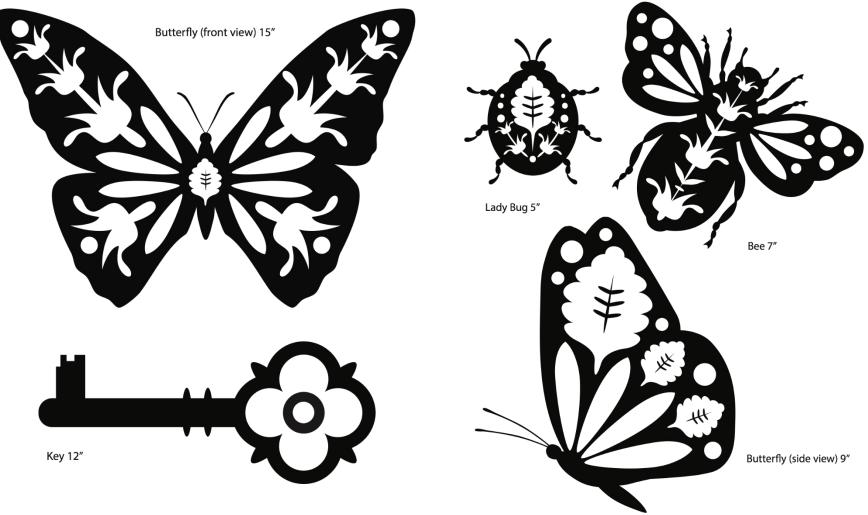
Samples:

Samples shall be minimum 6" square. It is anticipated that there will be at least 3 submittal rounds. At each submittal provide 2 (two) samples of each color to achieve approval of the color.





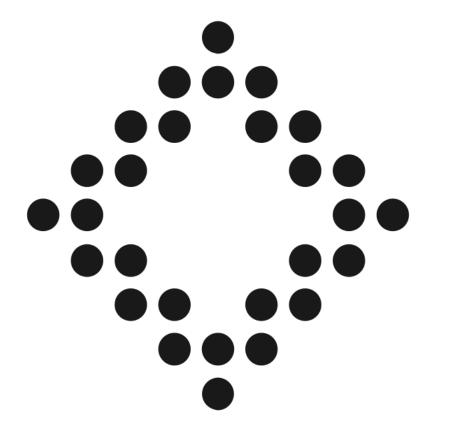


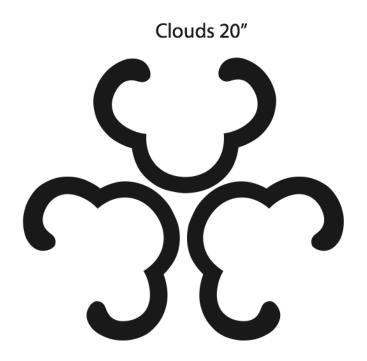


BRONZE FLOOR INSERTS



Diamond Dots 26"







Metallic Floor Inserts: Laser – or Water-Jet-Cut Components, 6 different designs ranging in size from 6 inches to 10 inches. Bronze and zinc inserts to be 3/8" thick minimum.

Quantities as follows:

- 1. 5 inch lady bug (20 each) bronze
- 2. 7 inch bee (15 each) bronze
- 3. 9 inch butterfly (10 each) bronze
- 4. 15 inch butterfly (10 each) bronze
- 5. 12 inch key (1) bronze
- 6. Japanese Cloud zinc
- 7. Diamond Dots zinc



Artist Interaction and Process Control:

- Allow Artist's access to materials and workspace at installer's shop to work and refine layout, size of divider strips, color matrix and aggregate composition.
- b. Installer shall be responsible for creating samples and mockups in consultation with the Artist. Cost of same shall be included in the Bid.
- c. Allow Artist's access and participation during installation of inlay elements and to oversee drawing/final layout and placement of the divider strips and inserts.
- d. Preassembly of components shall be considered where appropriate to allow final adjustment and placement on site.

Artist Approval:

- a. At each submittal.
- b. Of chalk layout on actual substrate.
- c. At layout of divider strips on substrate prior to installation of terrazzo.
- d. Artist shall have final approval, along with the TJPA Representative and Contractor, to ensure compliance with the Drawings and Specifications.

Mockups:

- Construct a mockup 10 feet x 10 feet within five miles of construction site. Incorporate each component of the artwork with specified aggregates in colors indicated. Install border and field divider strips.
- 2. Finish mockups with approved colors as specified.
- 3. Remove unsatisfactory mockups and construct new panels until the TJPA Representative's approval is obtained.
- 4. Retain and protect approved mockups until their removal is directed. The approved mockups will be used as a standard of quality for all terrazzo work on the Project.
- 5. Artist will determine the extent of the terrazzo floor patter to be represented in the mockup. It may be necessary to show partial patterns to show all colors and materials.



Scope Summary Review

- All epoxy crack suppression systems.
- All epoxy terrazzo flooring.
- All joint sealants associated with this scope of work.
- All saw cutting of joints within the substrates of this scope of work. Coordinate with TG07.6 Topping Slabs, Bus Crash Rails, and Expansion Joints for this work.
- TG16.3 Terrazzo Trade Subcontractor shall coordinate with TG07.6 Topping Slabs, Bus Crash Rail, and Expansion Joints to layout construction joints and expansion joints where terrazzo flooring occurs.



Scope Summary Review

- Furnish, install, and maintain protection over installed materials furnished as a part of the work of this Trade Package.
- Furnish all third party testing, review, and inspection for this scope of work not explicitly called out to be paid for by the owner (see Specification Section 09 66 22 1.4 H for example).
- All scanning required for this scope of work (see S-0008 Note PA-1 and PA-3 for examples of where this will apply).
- All surveying for this scope of work (See Specification Section 09 66 22 3.2 C and Specification Section 09 66 23 3.3 F for examples)



Scope Summary Review

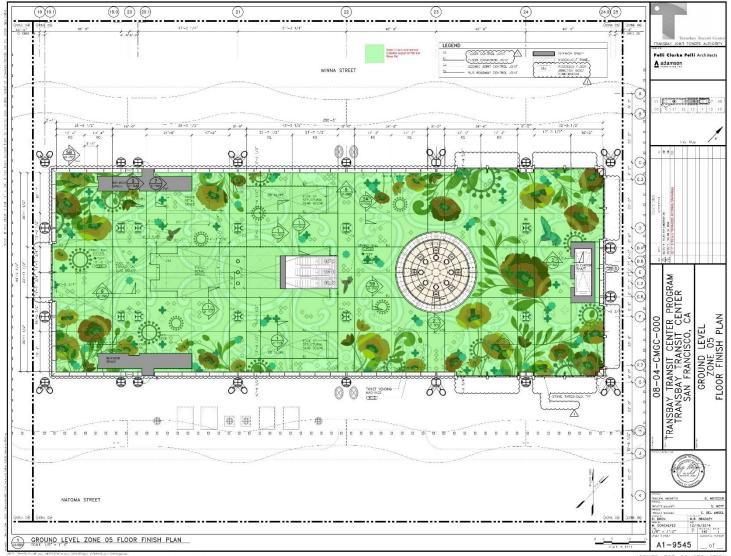
- All coring and patching required for this scope of .
- Furnish, install, protect, and maintain the required mock-ups.
- All surface preparation for own work. This includes, but is not limited to, adjusting substrate flatness properly installed by other trade subcontractors to account for differences in allowable deviation specified for the work of the other trade subcontractors and the work of this Trade Package, daily cleaning/drying of substrate to receive the work of this Trade Package, crack repair within substrate, grinding/blasting of substrates to achieve required adhesion, and all other required preparation.



Artist Interaction

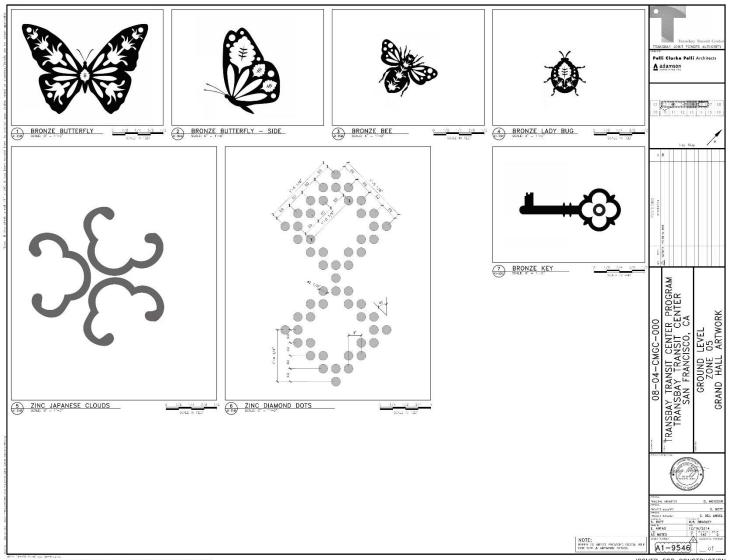
- Submittal Preparation and Review Meeting
- Multiple submittal resubmittal (Specification 09 66 23 1.4 D 1 a)
- Artist sign off prior to submittal (Specification 09 66 23 1.4 D 4)
- Manufacturer (Fabricator) Qualifications (Specification 09 66 23 1.7 E 1)
- Artist Approval of Layout (Specification 09 66 23 1.7 G 2 b & c)
- Monitoring (Specification 09 66 23 3.3 A)

Transbay Transit Center



Solvinght 2006 by the City disk County of last Francisco. These disk meths are the ack property of the City and County of last Francisco and the protectic by the County Art. Any reproduction, publication, or ison by new refine, in whole is a post which the submets within constraint of the Francisco and Powers Buthards to Emergiate is constitute.

Transbay Transit Center



Covings, 2006 by the City are County of Jen Francisco. These discutering are the acle property of the City and Durity of Jen Francisco and the protects by the Ceptings Art. Any reproduction, pathecies, or use are available.

ISSUED FOR CONSTRUCTION

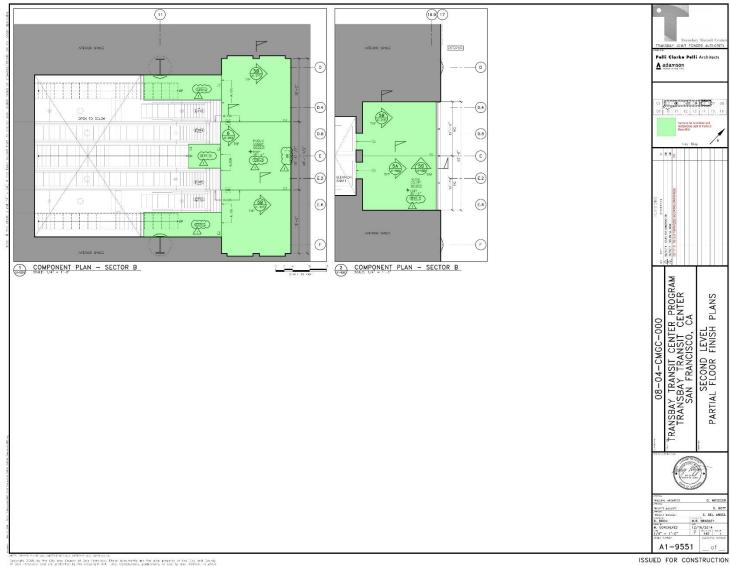
Transbay Transit Center



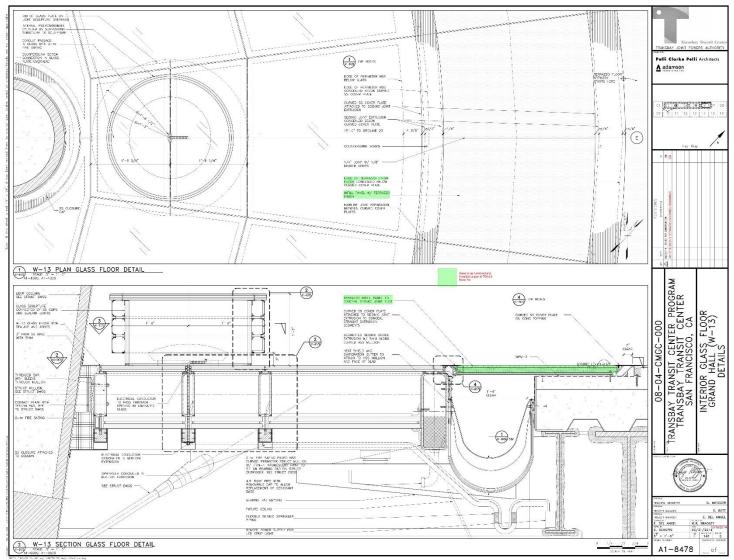
y one County of Jen Francisco. Here documents are the sole property of the Coy and County protected by the Copyright Art. Any reproduction, publication, or use by one motion. In who

Transbay Transit Center

0

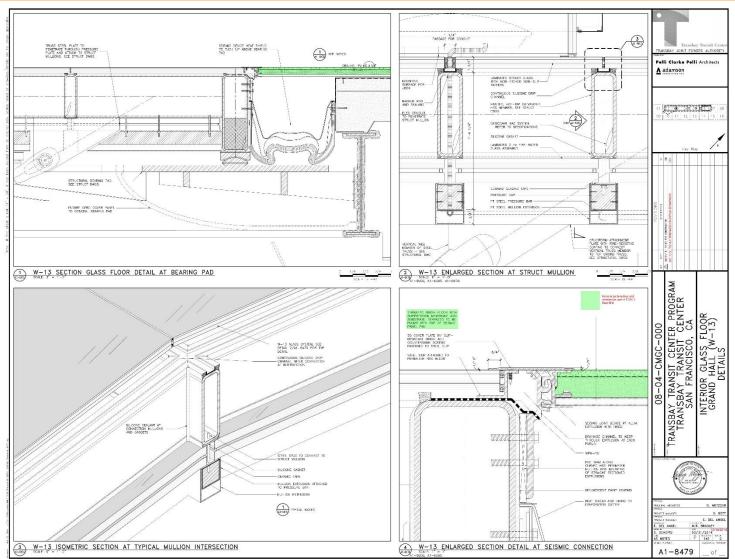


Transbay Transit Center



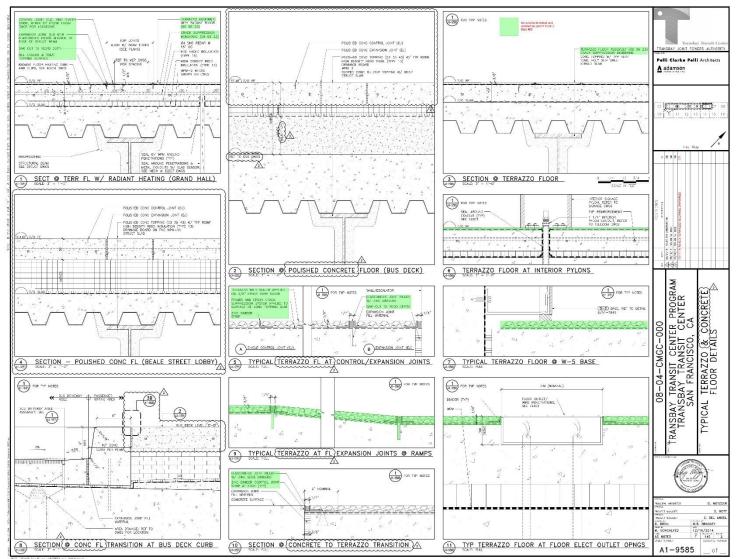
service and the approximation of the francisco. Here documents are the sole property of the Coy and Davidy is in Francisco and one protects by the Coylight AdV. Any reproduction, publication, or use by one refine, in whole to product the common activity constraint of the Davids and the common behavior. The representative is the constraint of the Coylight AdV.

Transbay Transit Center



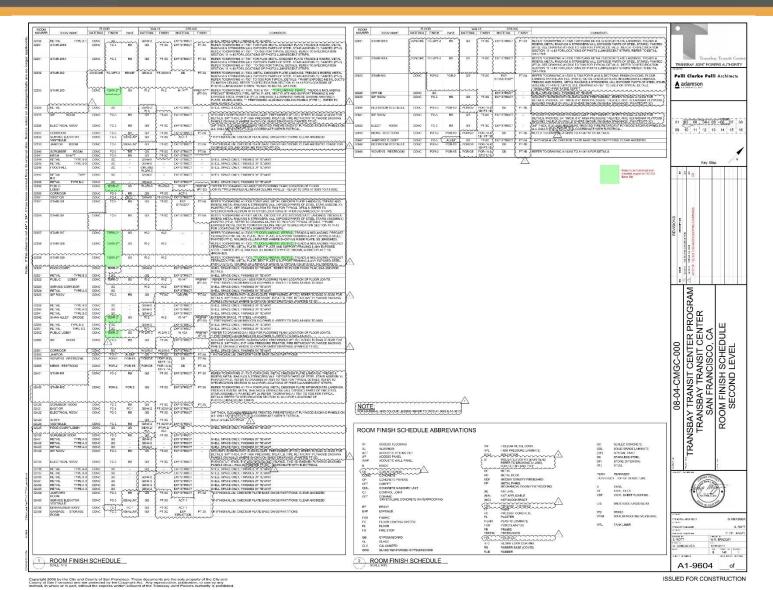
apyright 2006 by the City and County of Jain Translates. These documents are the side property or the City and Saunty if Jain Translates and one protoctice by the Coorgent Art. Ary reproduction, publication, or use by any motional, in when in port, which the capters within content; of the Translate Joint Powers Althority Commander is provide.

Transbay Transit Center

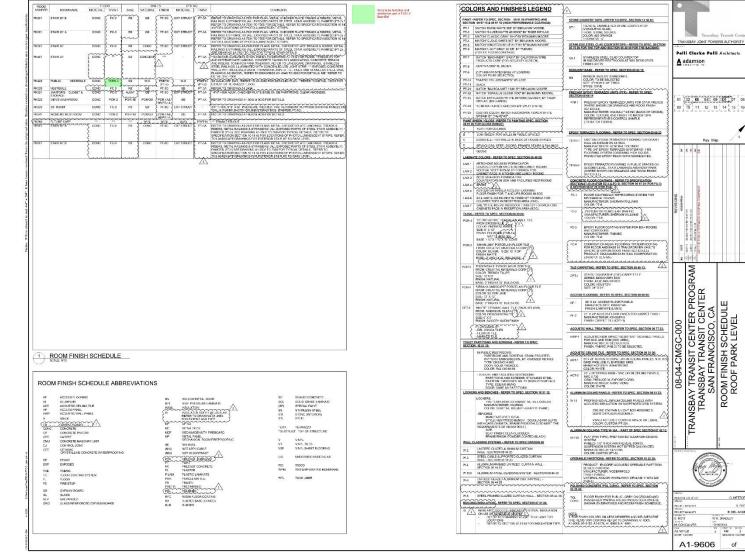


nght 2006 by the City and County of Jen Franciscs. These discurrents are the sole property of the City and Davidy on Francisca and one protection by the Copyright Act. Any reproduction, publication, or use by any method, in who

Transbay Transit Center



Transbay Transit Center



Copyright 2006 by the City and County of San Francisco. These documents are the sole property of the City and County of San Francisco and are protected by the Copyright Act. Any reproduction, publication, or use to any

ISSUED FOR CONSTRUCTION

G NETZCE

3.00

E.DE. AND

of



Questions?



IFB Package Timeline

Bid Package Issued:	February 17, 2015
Pre-Bid Conference:	March 10, 2015 (2:00 p.m.)
Qualifications Due (for non-prequalified):	March 10, 2015 (2:00 p.m.)
Notification of Qualification (for non-prequalified):	March 17, 2015
Questions/Clarifications (QBD) Due:	March 24, 2015 (2:00 p.m.)
Pre-bid Request for Substitution Due:	March 24, 2015 (2:00 p.m.)
Value Engineering (VE) Proposals Due:	March 31, 2015 (2:00 p.m.)
VE Proposals Review:	March 31 - April 14, 2015
Bid Package Due:	April 14, 2015 (2:00 p.m.)
Public Bid Opening:	April 14, 2015 (2:00 p.m.)
Protest Period Ends:	April 21, 2015 (5:00 PM)
Notification of Intention to Award Contract:	June 2015
TJPA Board Vote to Approve the Contract Award:	June 11, 2015



Obtaining Contract Documents

- TJPA Website
 - List of all Exhibits
 - Non Disclosure Agreement (NDA)
- Plan Room (ARC)
 - Non-SSI
 - SSI Hard Copy Only

- Box.com
 - SSI and Certain SSI (Managed by TJPA)
 - Main Package ASIs (Managed by TJPA)
 - Supplemental Documents
 (Managed by Webcor/Obayashi
 Joint Venture)



Request for Information P1-001 to P1-0681 & T-0001 to T-2366

RFI No.	Subject
P1-0446	Terrazzo Control Sample
P1-0449	Terrazzo Anchoring Devices
P1-0453	Bicycle Wheel Channel in Terrazzo Treads
P1-0457	FI Requirements for Terrazzo
P1-0686	Surface Prep for Terrazzo per Specification Sections 09 66 23 and 09 66 23

Pay close attention to the following RFIs:

RFI No.	Subject
T-2165	TER - Epoxy Terrazzo Unit Price for Samples
T-2166	TER - Electronic File for Divider Strip Layout
T-2169	TER - Bicycle Wheel Channel Reference
T-2171	TER - Enclosure Requirements per Specification Section 09 66 23
T-2224	TER - Manufacturer (Fabricator) Clarification



QBD & Substitution Process

B. Questions On Bid Documents (QBD) Project: Transbay Transit Center	(WEBCOR/OBAYASHI JOINT VENTURE USE)
Project: Ifansbay Ifansit Center	QBD No.:
	Received:
Contract No.:	TJPA to: Date:
To: Webcor/Obayashi Joint Venture	Consultant to TJPA:
(See Exhibit A For Contact Information)	Addendum Required? Yes: No:
	To Bidders Yes: No:
From:	Date:
Firm:	
	Fax:
Specification Section:	Paragraph(s):
Drawing Sheet:	Detail(s):
	's review of the documents. Reply with location(s) where the information
can be obtained. Reply:	
By: Firm:	Date:
is issued in an Addendum. At the sole discretion of Webcor/ questioner and distributed to those on the Plan Holders List f	s not change the Bid Documents unless the information contained therein Obayashi Joint Venture, the question and reply may be returned to the for informational purposes. ND OF QBD

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 OBD instructions and forms. During the bidding period and prior to the deadline for the submission of OBDs, 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: 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:



VE Process

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 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.
 - 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.
 - 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.



Webcor and Subguard Prequalification Process

<u>Step 1:</u>

Email:

Mary Hobbs, Estimating <u>mhobbs@Webcor.com</u> Robert Kane, VP Finance <u>robert@webcor.com</u> Subject line: Transbay TGXX.XX

- Full name of Contact
- Title of Contact
- E-mail of Contact
- Full legal company name
- Mailing address
- Phone number
- Fax number
- Contractor's license number
- Federal I.D. No
- Scope of work
- Financials over last 2 years (audited or review) Email or Mail Robert Kane, VP Finance 175 Harbor Bay Parkway, Suite 200 Alameda, CA 94502

<u>Step 2:</u>

- Mary Hobbs will send you an email with a link to the Webcor Builders prequalification system
- Click the link and upload the required information
- Once you are finished click the submit button

<u>Step 3:</u>

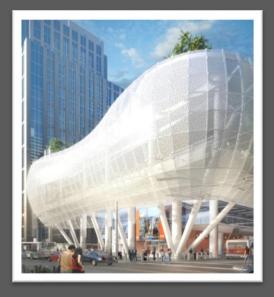
 Financials and Qualifications will be evaluated by WOJV



Questions?



SBE Program Overview/Participation Goal





SBE PROGRAM OVERVIEW

Certification & Certifying Agencies





Transbay Transit Center TGXX.X Trade Package Name

Veteran Business & Workforce Participation









Overall SBE Project Participation Goal: 17%

144 SBEs to date with a total of 167 contracts









Participation Goal

19% 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



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.:



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.

NAME OF PROJECT/PROPOSAL						PROJECT/PROPOSAL NUMBER						
PROPOSER BUSINESS NAME AND ADDRESS								1				
NAME OF PERSON SUBMITTING BID			SIGNATURE OF P	ROPOSER			DATE					
CONTACT PERSON NAME				CONTACT PHONE NUMBER				CONTACT EMAIL				
IMPORTANT: 1) Identify all DBE/SBE firms being) List names of all DI	BE/SBE subcontract	tors and their respecti	ive items of work. 3)	Attach a copy of the	proof of DBE/SBE of	certification for each	DBE/SBE su <mark>bco</mark> ntra	ctor listed on this		
form. 4) Attach "Intent to Perform" letter signed by	y the subcontractor.					<u> </u>						
								DBE-SBE Participatio				
LIST BUSINESS FIRM(5) List Name, Address, and Contact Person (if not the same as above)	Phone Number	Email Address	Age of Firm	Item of Work, Service or Materials Supplied	NAICS Code (if known) ⁺	Annual Gross Receipts of Firm	Certified DBE or SBE (Y/N)	Certifying Agency	Type of <mark>D</mark> BE or SBE **	Award Amount	Percentage of Contract Participation	
A. PRIME Contractor												
B. Subcontractor/Vendor/Joint Venture												



Remember to sign all forms!!

Questions?

Thank You!