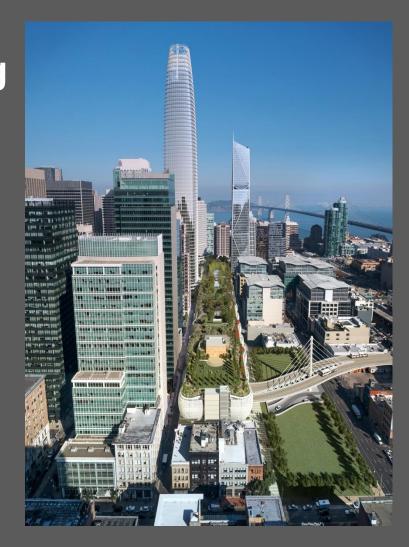


TRANSBAY TRANSIT CENTER

TG13.2 Roofing/Waterproofing

Pre-Bid Question and Answer Session Webcor/Obayashi Joint Venture Office 175 Beale St. San Francisco, CA 2:00PM September 18, 2014

Please sign in!





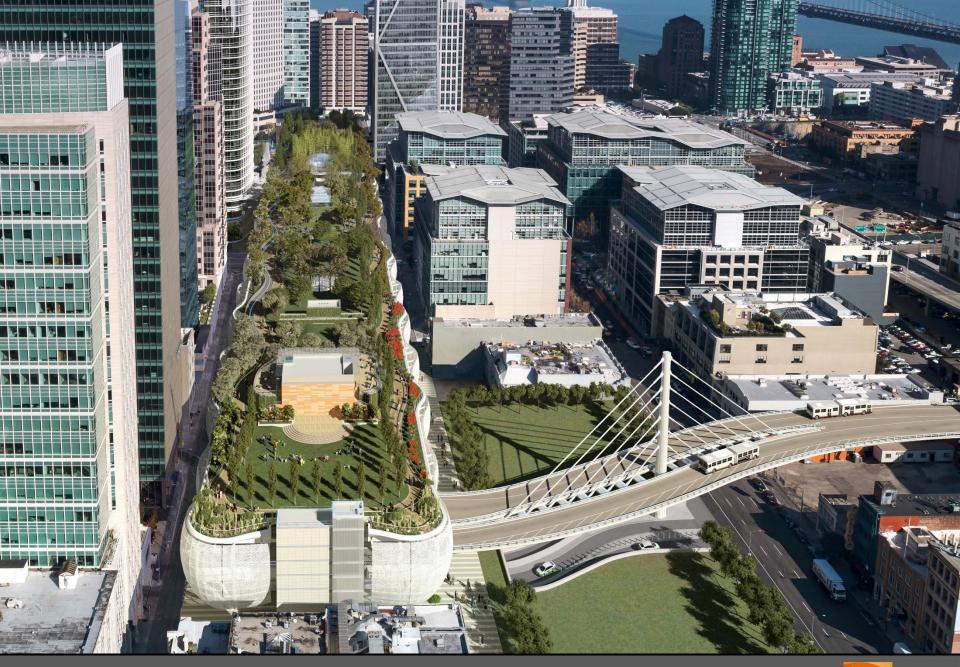
TG13.2 Roofing/Waterproofing

Project General Information

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

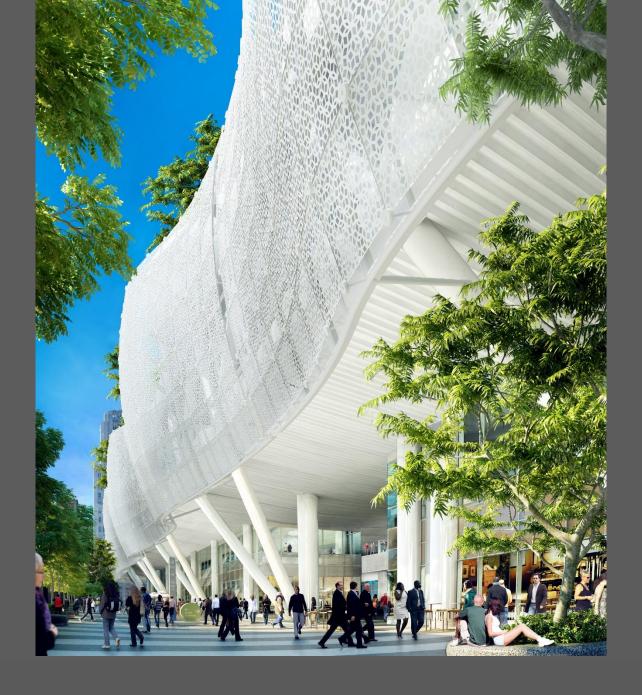




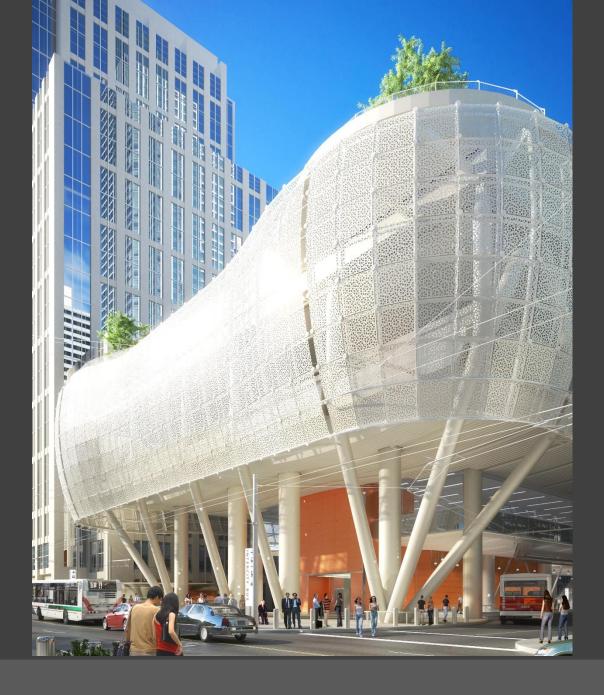








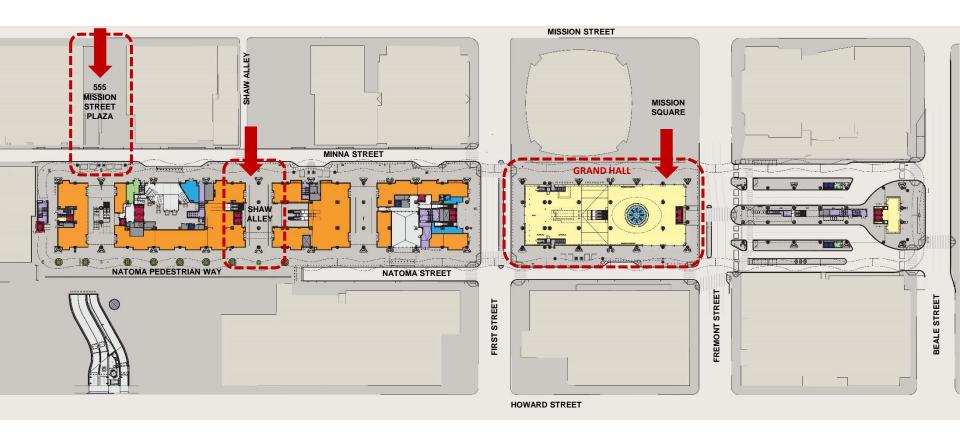


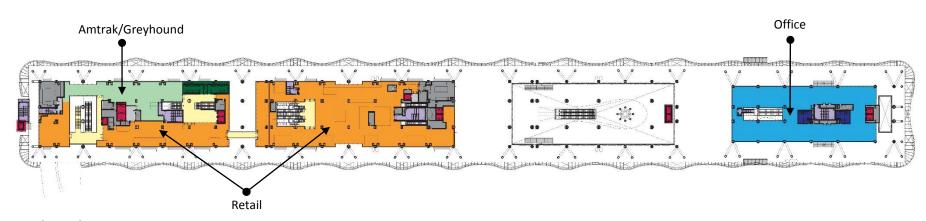




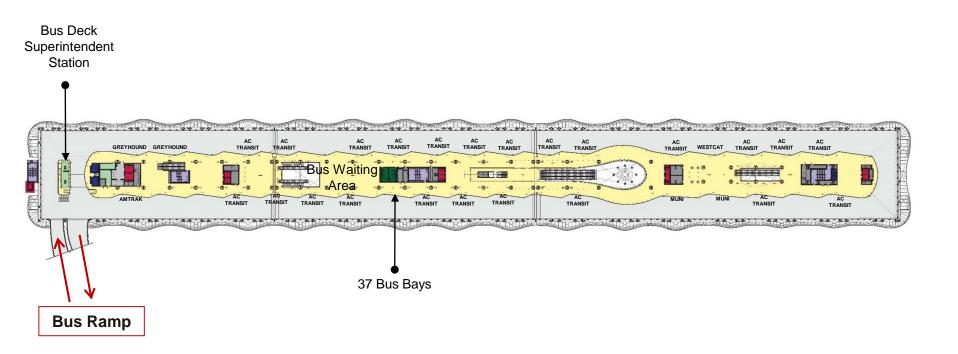


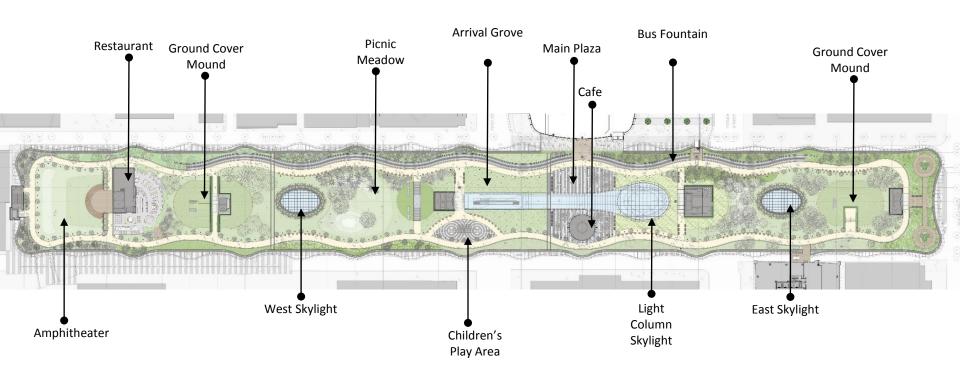






Second Level



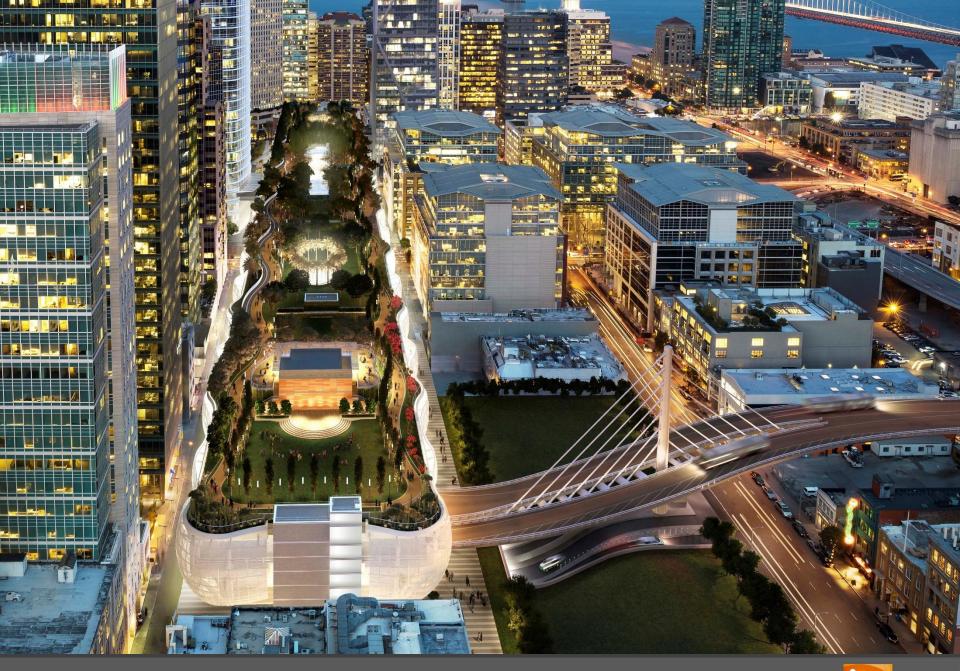
















TG13.2 Roofing/Waterproofing

- Furnish and Install all of the following items including all associated materials and work for a complete system per the contract documents & manufacturer's requirements:
- Site Dampproofing (WPM-5)
- Site Fluid-Applied Waterproofing (WPM-4)
- Self-Adhered Sheet Waterproofing (WPM-10, 10A)
- Modified Bitumen Waterproofing (WPM-1)
- PVC Waterproofing (WPM-3)
- Thermoplastic Water Tank Liners
- Hot Fluid-Applied Waterproofing (WPM-2)

- Crystalline Waterproofing (WPM-5)
- Floor Coatings (FC-1, FC-2, FC-4)
- Site Repellents
- Water-Repellent Coatings (WPM-9)
- PVC Roofing (RF-1)
- Liquid Applied Floor Coatings
 (including but not limited to FC-1, FC-2, and FC-3),



TG13.2 Roofing/Waterproofing

- All work of this Trade Package shall:
 - Tie-in to waterproofing installed by other trade packages.
 - Extend enough to allow overlapping to create a water tight condition in areas where it is integrated into the work of other trade subcontractors.
- All surface preparation for own work.
- All acclimatization and protection for own work.
- Furnish all third party testing, review, and inspection for this scope of work not explicitly called out to be paid for by the owner.
- Slopped topping over surfaces to receive waterproofing which require positive drainage to maintain the system warranty (see 4 & 8/A1-7552 and 1 & 2/A1-9305 for examples).



TG13.2 Roofing/Waterproofing

- Roof Park Restaurant between Grid Lines B4 and G7:
 - Furnish, install, remove, and properly dispose of WPM-3
 waterproofing system and foam cant strips directly over structural
 deck to create a water tight condition integrated into the
 surrounding waterproofing system.
 - This system must be warrantable when exposed for extended periods of time.
- > Assume tubular daylighting devices have been deleted from the project:
 - Openings in the substrate for tubular daylighting devices will be infilled with the adjacent material.
 - Continue the adjacent waterproofing system throughout the area to create a continuous waterproofing system.



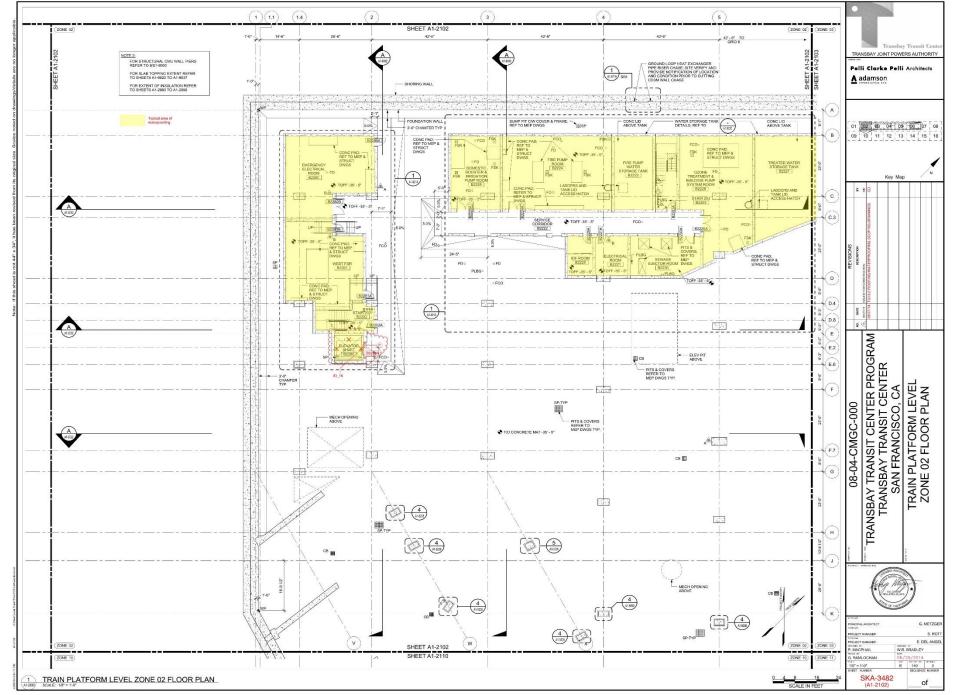
TG13.2 Roofing/Waterproofing

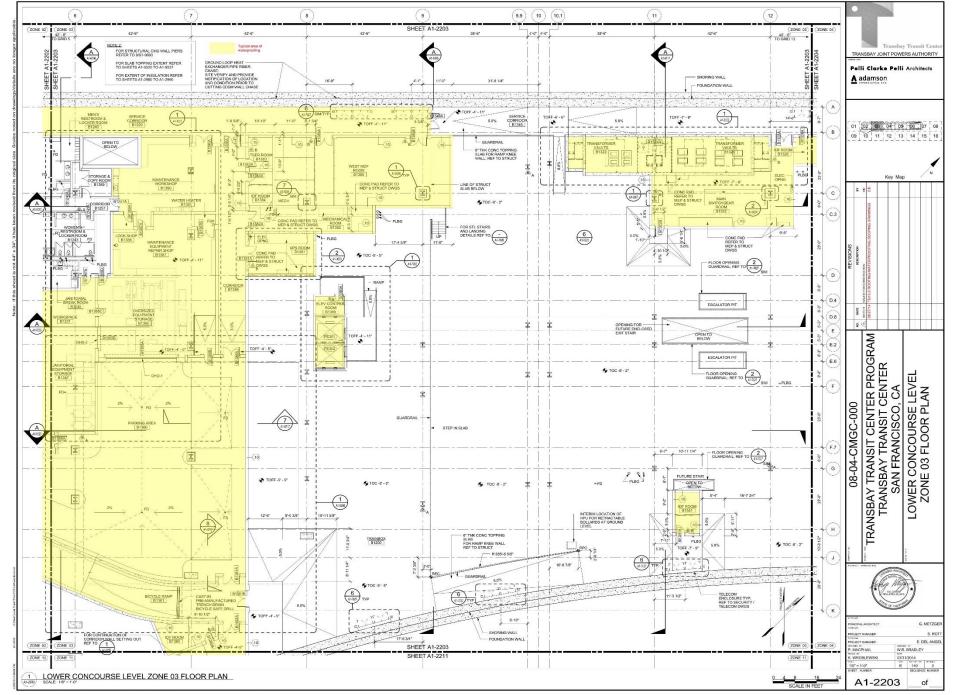
- Assume stem walls and concrete filled metal deck at Glass Building Café (W-20) are to be waterproofed as part of the base bid price.
- ➤ All engineering for Trade Subcontractor's scope of work (see Specification Section 07 62 00 2.1 for example).
- Furnish a QA/QC representative to review any substrates required to be reviewed with the general contractor at the same time Webcor/Obayashi Joint Venture is performing the QA/QC process at initial installation of the substrate.
- All scanning required for this scope of work (see Specification Section 07 13 54 Subsection 3.2.F.2 for example).

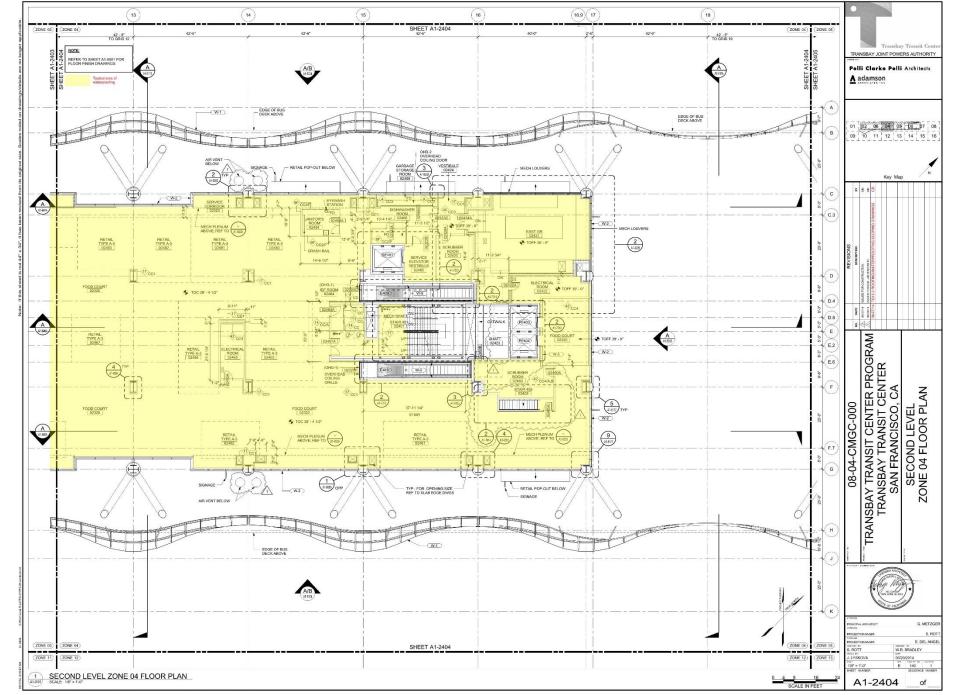


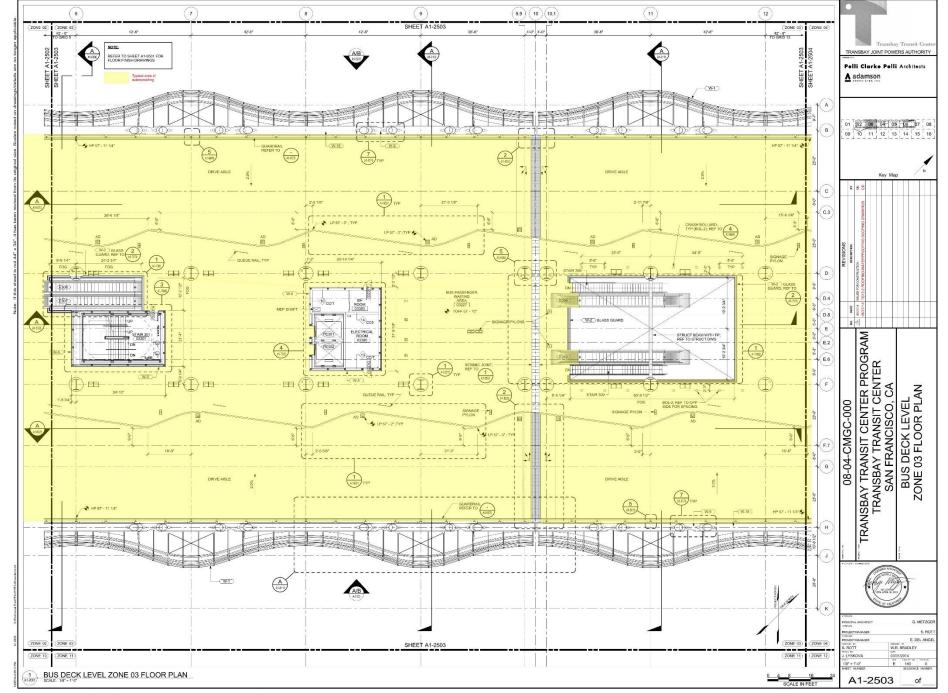
TG13.2 Roofing/Waterproofing

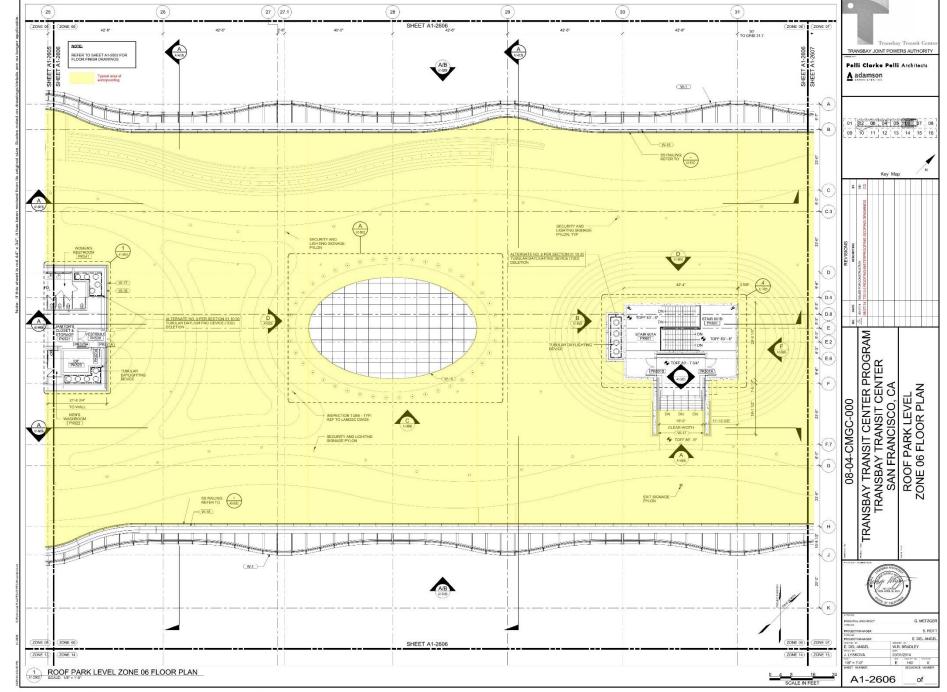
- Assume a value of 3% of base furnish and installation value for sealing penetrations through waterproofing not shown on the contract documents and patching of roofing/waterproofing as directed by Webcor/Obayashi Joint Venture.
- Composite Resin Flooring (FC-4) as shown on ASI 127.

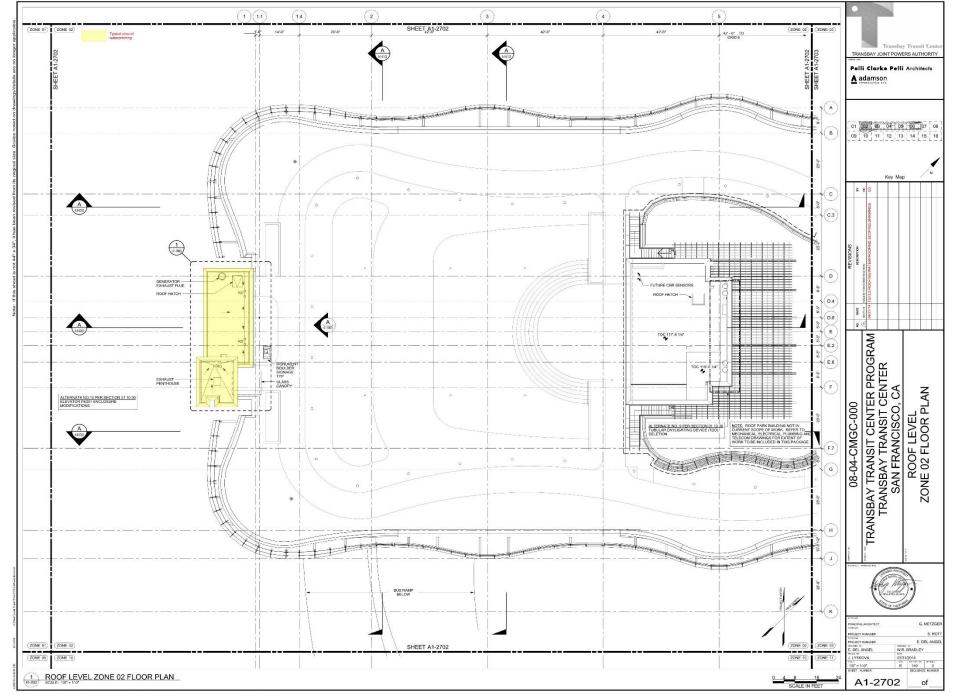












	ROOM NAME	MATERIAL.	FINISH	BASE	MATERIAL	FINISH	MATERIAL MATERIAL	FINISH	COMMENTS
12200 12202	TRAIN BOX STAIR 202	CONC	FC-3	RB	CONC	PT	EXP STRUCT EXP STRUCT	1	TEMPRORARY STAIRS, RAILING, PLATFORM AND GUARDRAILS; GALVANIZED METAL. REFER TO DRAWING AT-7003 FOR PLANS, METAL, CHECKER PLATE INTERMEDIATE LANDING TREADS AND RISERS, METAL, RAILINGS AND STRINGERS; PAINTED (PT-2), REFER TO SPECIFICATION SECTION 1014 45 FOR LOCATIONS OF PHOTO-LUMINESCENT STRIPS.
2203	STAIR 203	CONC	FC:3	RB	CONC	PT	EXP STRUCT	*.	SPECIFICATION SECTION TO 14 43 POR LOCATIONS OF PROTOCULARISESEMI SERVICE PROTOCOLORISMS AND REPORT OF PLANS, METAL CHECKER PLATE INTERNEDIATE LANDING TREADS AND RISERS, METAL RALLINGS and STRONGERS: PAINTED (PT-2), REPORT OF SPECIFICATION SECTION 19 44 SPOR LOCATIONS OF PHOTO-LUMINESCENT STRIPS.
2221	ELECTRICAL ROOM	CONC	FC-3	RB	CONC	PT	EXP STRUCT		SPECIFICATION SECTION 10.14.45 FOR LOCATIONS OF PHOTO-LUMINESCENT STRIPS. PROVIDE 3W THICK, 5"0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKING PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
222	SERVICE CORRIDOR FIRE PUMP WATER	CONC	WTI	WTI	CONC	WTI	EXP STRUCT	WTI	PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
1224	STORAGE TANK FIRE PUMP ROOM	CONC	FC-1	FC-1*	CONC	PT	EXP STRUCT		*TAKE FLOOR FINISH UP THE WALLS TO 6" (MIN.) ABOVE FF LEVEL.
225	DOMESTIC BODSTER & IRRIGATION PUMP ROOM OZONE TREATMENT &	CONC	FC-1	FC-1*	CONC	PT	EXP STRUCT		*TAKE FLOOR FINISH UP THE WALLS TO 6" (MIN.) ABOVE FF LEVEL. *TAKE FLOOR FINISH UP THE WALLS TO 6" (MIN.) ABOVE FF LEVEL.
	BUILDING PUMP SYSTEM	0000000						- 2	THE FOOT WORD THE WALLS TO U WHILE HOVE TO ELVEL.
227	TREATED WATER STORAGE TANK IDE ROOM	CONC	WTL FG-3	WTL RB	CONC	WTL.	EXP STRUCT	WTL.	CECUDITY CORPENING I ON DIAGO CATE, DEFENDING FOR DEFEND ON DATE AL CORP. FOR
				нв				-	SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR DE TAILS, PROVIDE 34" THICK 9" HIGH PRESSURE TREATED, FIRE FLARDANT PLYWOO BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWINGS.
2230 2260	SEWAGE EJECTOR ROOM ELEVATOR SHAFT	CONC	FC-1 WPM-5	FC-11 WPM-6	CONC	PT -	EXP STRUCT	÷	TAKE FLOOR FINISH UP THE WALLS TO 6" (MIN.) ABOVE FF LEVEL.
280	WEST FSR EMERGENCY ELECTRICAL ROOM	CONC	FC-3	RB RB	CONC	PT	EXP STRUCT	-	PROVIDE 3/4" THICK, 8:-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKING
1403	STAIR 403	CONC	FC-3		GB	PT	EXP STRUCT	8	PREVIOUS AY THICK, IS O'RIGH PRESSORE THEATED, PIER RETARDMENT IN YWOOD BRICKEN PARKEL O'RIGHT, ALLES, COURRIGHER WITH HELD FOR THEATED. THE PROPERTY OF THE P
2420	MECHANICAL PUMP ROOM	CONC	FC-1	FC-1°	CMU	PT	EXP STRUCT	*	TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE.
2421	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	10	SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR DETAILS, PROVIDE 3/4" THICK, 8'-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOI
2440	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	- 1	SECURITY SCREEN WITH A EIDING DATE: PREPINISHED - REPER TO DWG A 19:033 FOR DEFAULT, PROVIDED WITHOUT STORY THE PRESIDENT REALED, PREP REPORT PLYWOOD BACKNOT PANELS ON WALLS WHERE SHOWN ON SMAN DRAWNOS. SECURITY SCREEN WITH ALLING DATE: PREPINISHED - REPER TO DWG A1-9338 FOR DETALS PROVIDE 34" THICK, 80"HIGH PRESSURE TREATED, PREI REPARDANT PLYWOOD BACKNOT PANELS ON WALLS WHERE SHOWN ON SMAN DRAWNOS.
2441	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	-	PROVIDE 3/4" THICK, 6"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKING PANELS ON ALL WALLS - COORDINATE WITH FLECTRICAL
9442 9460	MECHANICAL PUMP ROOM ELECTRICAL ROOM	CONC	FC-1 FC-3	FC-1*	CMU	PT	EXP STRUCT		TAKE FLOOR FINISH UP THE WALLS TO TIO CURB OR FIRST MASONRY COURSE.
H60 H61	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	- 1	PROVIDE 34" THICK, 8"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL. PROVIDE 34" THICK, 8"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
462	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL. SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR
463	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		SECURITY SCHEEN WITH SUDNIC DATE: PREPRINDINGS - REPERT TO TWO AL-9338 FOR DETAILS, PROVIDE WITH THOLK, 80° FINED PRESENTE TREATED, FIRE RETAIRDANT FLYWOO BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWNING. SECURITY SCREEN WITH SLIDING ADTE: PREPRINDING LEGER TO DWG AL-9338 FOR DETAILS, PROVIDE WITHOUGH STOP HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOO BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWNING.
1480	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWINGS. SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR DETAILS. PROVIDE 34" THICK, 8:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOO BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWINGS.
481	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		DETAILS PROVIDE 34" THICK, BUT HIGH PRESSURE THEATED, FIRE RETARDANT PLYWOO BACKING PANELS ON WALLS WHERE SHOWN ON SM&W DRAWINGS. PROVIDE 34" THICK K-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN
1501	STAIR 501	CONC	FC-3	-	CMU/GB	PT	EXP STRUCT	*	PROVIDE SYT THEIX FOR THEIR PRESSURE THEATED FIRE RETARDANT PLYWOOD BACKEN PRESS ON ALL WALLS COORDINATE WITH ELECTRONAL PLANT FOR THE PRESSURE THE TRANSPORT OF
2520	IDF CLOSET	CONC	FC-3	RB	CMU	PT	EXP STRUCT		PROVIDE 3/4" THICK, 8"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWINGS.
2521 2540	EXIT PASSAGEWAY MECHANICAL PUMP ROOM	CONC	8C FC-1	PT FC-1*	CMU/GB	PT	GB EXP STRUCT	PT	METAL STAIR (LANDING, TREADS, RISERS, RAILINGS and STRINGERS): GALVANIZED. "TAKE FLOOR FINISH UP THE WALLS TO TIO CURB OR FIRST MASONRY COURSE.
2560	ROOM ELECTRICAL ROOM	CONC	FO-3	RB	CMU	PT	EXP STRUCT	*	PROVIDE 34" THICK, 6"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL. PROVIDE 34" THICK, 6"-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN
1580	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		
2620	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	8	PROVIDE 3/4" THICK, 6:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKINI PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
1621	IDF ROOM	CONC	FD-3	RB	CMU	PT	EXP STRUCT		PARREL OW ALL VANCE - CONDIDENCE WITH THE ICUTIONS. PROVIDE XY "THICK R-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKIN PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL. SECURITY SECRED WITH SLIDING GATE: PREFINISHED REFER TO DWG A1-9338 FOR DETAILS, PROVIDE SY" THICK, 8"O" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOL BACKING PARKES ON WALLS WINNERS SHOWN ON SAMMO DIAMINOS.
2622	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	*	SECURITY SCREEN WITH SLIDING GATE. PREFINISHED - REFER TO DWG A1-9338 FOR DETAILS, PROVIDE ANT THION, 6-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOI BACKING PANILS ON WALLS WHERE SHOWN ON SMAW DRAWINGS.
1623	ELECTRICAL ROOM	CONC	FG-3	RB	CMU	PT	EXP STRUCT		PROVIDE 3/4" THICK, 8:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKINI PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
2640	ELECTRICAL ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	*	PROVIDE 34" THICK, 6:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKINI PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL. PROVIDE 34" THICK, 6:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKINI PANELS ON ALL WALLS - COORDINATE WITH ELECTRICAL.
2641	IDF ROOM	CONC	FC-3	RB	CMU	2000	EXP STRUCT	- 8	PARKETS OF ALL WALLS - COUNTING BY IT HE CELL TRUCK. SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR DE TAILS. PROVIDE SAT THICK, 8-0° HIGH PRESSURE TREATED, HIRE METARDANT PLYWOOL BACKING HIGH STORY ON HIGH STORY OF HIGH STORY
2660	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT		SECURITY SCREEN WITH SLIDING GATE: PREFINISHED - REFER TO DWG A1-9338 FOR DETAILS. PROVIDE 34" THICK, 9:0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOI BACKING PANELS ON WALLS WHERE SHOWN ON SMMW DRAWINGS.
2661	IDF ROOM	CONC	FC-3	RB	CMU	PT	EXP STRUCT	- 2	DELICATION PARIELS OF WALLS VITIED STUDY OF SIGNAY DEPTH STORY OF STREET TO DWG A1-9338 FOR DETAILS, PROVIDE 34" THICK, 8'0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOL BACKING PARIES ON WALLS WHERE SHOWN ON SMAW DRAWINGS.
2662	MECHANICAL PUMP	CONC	FG-1	FC-1*	CMU	PT	EXP STRUCT	- 10	BACKING PANELS ON WALLS WHERE SHOWN ON SM&W DRAWINGS. *TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE.
	ROOM MECHANICAL PUMP ROOM	CONC	FG-1	FG-1*	CMU	PT	EXP STRUCT	5	*TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE.
2680		CONC	FC-1	FC-1*	CMU	PT	EXP STRUCT		*TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE.
	MECHANICAL PUMP ROOM MECHANICAL PUMP ROOM	CONC	FC-1	FG-1*	CMU	PT	EXP STRUCT	100	*TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE.

GENERAL NOTES:

ALL EGRESS STAIRS AND EXIT PASSAGEWAYS SHALL RECEIVE PHOTOLUMINESCENT EGRESS MARKINGS.

2. DESIGNATED RETAIL SPACES SHALL RECEIVE SEALED CONCRETE FLOOR, ALL FINISHES BY TENANT FIT-OUT. 3. FOOD HALL AND FOOD COURTS SHALL RECEIVE SEALED CONCRETE FLOOR, ALL FINISHES BY TENANT FIT-OUT 4. PROVIDE 3/4" THICK, 8'-0" HIGH PRESSURE TREATED. RETARDANT PLYWOOD BACKING PANELS ON ALL WALLS OF ALL ELECTRICAL AND IDF ROOMS, REFER TO 081053. ROOM FINISH SCHEDULE ABBREVIATIONS

FLOOR COATING SYSTEM

GLASS REINFORCED GYPSUM BOARD

CONC

CONC** FC-3 RB CMU

FIRE STOP

GALVANIZED

ROOM NAME

STAIR 203

FILE ROOM

BREAK ROOM

SCC VESTIBLILE

VEHICLE STORAGE

SERVICE ELEVATOR VESTIBULE FOR SC

WORKSPACE

RECEPTION

SOM ROOM

ENG OFFICE 1

ENG OFFICE 2 WOMEN'S RESTROOM & LOCKER ROOM

ENGINEERING EQUIPMENT STORAGE

JANITORIAL EQUIPMENT STORAGE

TECH OFFICE

UPS ROOM

VEHICLE RAMP

PRE-ACTION & FM 200 SYSTEM ROOM FUTURE WEST FAN ROOM

WOMEN'S RESTROOM & LOCKER ROOM

MAIN SWITCHGEAR ROOM

B1202 STAIR 202

B1203

B1223 B1224 B1225

B1226 B1227

B1228

B1229

B1230

B1231

B1232

B1233

B1234 IDF ROOM

B1235

B1236 B1237

B1238

B1239

B1247

B1248

B1249

B1250

D1262

B1256

B1258

B1260

GYPSUM BOARD GLASS

ACCESS FLOORING SEALED CONCRETE HOLLOW METAL DOOR ALUMINUM ACOUSTIC CEILING TILE ACCESS PANEL ACOUSTIC WALL PANEL SOLID GRADE LAW SPECIAL PAINT HIGH PRESSURE LAMINATE INSULATION STAINLESS STEEL INSULATED SOFFIT (@)
U/S SLAB ABOVE) STL STONE (INTERIOR) STEEL В BRICK METAL METAL DECK MEDIUM DENSITY FIREBOARD METAL PANEL CONCRETE PAVERS CARPET MECHANICAL ROOM FIREPROOFING CONCRETE MASONRY UNIT CET VSF NOT APPLICABLE NOT IN CONTRACT CRYSTALLINE CONCRETE WATERPROOFING (NIC) U/S EXPOSED PAINT PRECAST CONCRETE PLASTER PLASTIC LAMINATE

PORCELAIN TILE

RESIN FLOOR COATING

RUBBER BASE (COVED)

3" HIGH BULLNOSE BASE

SEAL CONCRETE ELOOP BELOW THE ACCESS ELOOPING

SOLID GRADE LAMINATE COUNTER TOP WISS SINK: LAM-1, Top AND BOTTOM CABINETS: LAM-2, CERAILIC TILE BLOCK SPLASH: CET-1, FRIDGE, MUCROWAVE & DISHWASHER BY OTHERS, REPER TO DRAWNON A HEADE FOR DETAILS, "SHICH BILLANDES BASE. ALUMINAN CLADDING TO STELL COLUMNS: PREPRIESHED, REPER TO DRAWNON SUGS FOR DETAILS, POWER CONTED METAL OWNERHOAD DOOR PREPRINSHED.

"SEAL CONCRETE FLOOR BELOW THE ACCESS FLOORING, ALUMINUM CLADDING TO STEEL

*TAKE FLOOR FINISH UP THE WALLS TO T/O CURB OR FIRST MASONRY COURSE. POWDER COATED METAL OVERHEAD DOOR and JAMB ENCLOSURE (WHERE SHOWN): PREFINISHED TO MATCH CLADOING AROUND LOOK OR SPECIFIED.

OPERABLE PARTITION WITH FABRIC FINISH: FAB-1, REFER TO DRAWING A1-9858 FOR

CLADDING STEEL COLUMNS: PREFINISHED, REFER TO DRAWING 9296 FOR DETA: STEEL JACKET AROUND COLUMN TO MATCH WALLS. "TAKE FLOOR FINISH UP THE WALLS TO TIO CURB OR FIRST MASONRY COURSE."

WIDER COATED METAL OVERHEAD DOOR: PREFINISHED

"SEAL CONCRETE FLOOR BELOW THE ACCESS FLOORING.

"SEAL CONCRETE FLOOR BELOW THE ACCESS FLOORING.

PREFINISHED

RUBBER

PLAM

MATERIAL FINISH BASE MATERIAL FINISH MATERIAL FINISH

CMUICONG

POR-4 GB PT RB CMUICONC PT

CONC FC-1 FC-1' CMUICONC PT EXP STRUCT

RB CMUICONG

RB CMU

RB CMU

RB CMU

RB GB

FG-2 FG-2* CMUICONC PT EXP STRUCT

RB CMUICONC PT EXP STRUCT

RB GB RB CMU/GB

RB GB RB GB RB CMU/CONC

GB DT ACT-1

RB CONC

CONC FG-3 RB CMUICONC CONC POR-4 POR-4 GB

POR-4 POR-4

CONC POR-2 POR-1* GB

*CONC/AF- CPT-1 RB GB

CONC POR-2 POR-1* GB

CONC CPT-1 RB GB CONC CPT-1 RB GB CONC POR-2 POR-1* GB

*CONC/AF- LAM-5 RB CONC/GB

ENTRY CONC FC-3 RB CMU PT ACT-1
SOC MECHANICAL ROOM CONC FC-1 FC-1* CMULOONC PT EXP STRUCT

SECURITY OFFICE 3 CONC CPT-1 RB GB PT ACT-1
CORRIDOR CONC FC.3 RB CAMICONC PT EXPERIENT

POR-4

CONC'/AF- CPT-1 RB

CONG FC-3

CONC FC-3

*CONC/AF- CPT-1

CONC FC-3

*CONC/AF- CPT-1

TECH SUPPORT ROOM "CONCIAF- LAM-S RB CONCIGB

EMERGENCY EQUIPMENT CONC FC-1 FC-1' CMU/CONC PT

CONC FC-3

CONC CONC CPT-1 CONC FG-3

CONC FC-3

CONC FC-3 RB CMU

CONC CPT-1 CONC CPT-1 CONC FC-3

CONC CPT-1

POR PR PREFIN

PT EXP STRUCT PT

EXP STRUC

EXP STRUCT

POR-1A

POR-1A

PT ACT-1

PT EXP STRUCT

PT ACT-1 PT ACT-1 PT EXP STRUCT

PT EXP STRUCT

PT EXP STRUCT

EVE STRUCT

PT ACT-1

PT

PT

DOG-10

EXP STRUC

EXP STRUCT

ACT-1

PT EXP STRUCT

TERR TERRAZZO
T/O STRUCT TOP OF STRUCTURE VINYL TILES VINYL SHEET FLOORING UNDERSIDEAUNDERSLAB WATERPROOFING MEMBRANE WIL TANKLINER

COMMENTS METAL RAILINGS AROUND SLAB OPENINGS: GALVANIZED, REFER TO DRAWING 7027 FOR DETAILS

CETATE DISMONINA A TOM METAL OFFICERS PLATE INTERMEDIATE LIMINAGE. TREAD AND RESIDENCE FLATE FLATE AND RESIDENCE FLATE 3" HIGH BULLNOSE BASE
PROVIDE SA" THICK SEU" HIGH PRESSURE TREATED, FRE RETARDANT PLYWOOD BACKING
PANELS ON BOTH EAST A WEST SIDE WALLS AND ON SOUTH WALL FROM GRID 3TO THE
DOOR AT EAST SIDE, COORDINATE WITH ELECTRICAL PREFINISHED ALLIMINIAL CLADED
STEEL COLUMNS (PT-XX), REFER TO DRAWING A1-9205 AND 9206 FOR DETAILS. SOLID GRADE LAMINATE COUNTER TOP & APRON (W/TOP MOUNT SINKS); LAM-3, TOILET PARTITIONS AND DOORS: STANLESS STEEL. METAL LOCKERS & BENCHES: PREFINISHED, "14" COVE BASE. REFER TO DRAWNINGS 81-906". SOLID GRADE LAMINATE COUNTER TOP WISS SINK: LAM-1, Top AND BOTTOM CABINETS: LAM-2, CERAMIC TILE BACK SPLASH: CET-1, FRIDGE, MICROWAVE and DISHWASHER by OTHERS, REPERT OD DRAWING AT-8802 FOR DETAILS. DATE . SOLID GRADE TO MANATE COUNTER TO 9 A PRON IW TOP MOUNT SINKS; LAMS, TOLET PARTITIONS AND DORS STANLESS STEEL, METAL LOCKERS & BENCHES: PREFINSHED, "
14" COVE BASE, EFERT TO DRAWNINGS A 5-901.

TAKE FLOOR FINISH UP THE WALLS TO TIO CURB OR FIRST MASONRY COURSE. 20 PROGRAM "SEAL CONCRETE FLOOR BELOW THE ACCESS FLOORING, FABRIC COLOR FOR ACOUSTIC WALL PANELS: ... ACOUSTIC HIM WINDOW FRAME: PAINTED TO MATCH DOOR FRAME VALL PARKES. A COUSTIC HANDON FRAME PARKED TO MITCH DOOR PROME PREEPRISHED ALLWINUM CLADDED STEEL COUNT (PT-XX), EFEER TO DRAWNO A 14/205 AND 8208 FOR DETAILS, POWDER COATED, METAL OVERHEAD DOOR, PREFINISHED (PT-XX), STEEL JAMBSERAME (WHERE SHOWN ON DETAILS) PAINTED (PT-XX) TO MATCH DOOR. METAL SCREEN WITH A SLIDING GATE: GALVANIZED. Ë 3C-00c CCENTER Ph. PROVIDE 3/4" THICK, 8-0" HIGH PRESSURE TREATED, FIRE RETARDANT PLYWOOD BACKING PANELS ON WALLS WHERE SHOWN ON SMAW DRAWINGS. PAINTED ELEVATOR DOORS AND FRAMES: PT-XX. POWDER COATED METAL OVERHEAD PAINTED ELEVATOR DOORS AND FRAMES: PT-XX. POWDER COATED METAL OVERHEAD DOORS: PREFINISHED. "SEAL CONCRETE FLOOR BELOW THE ACCESS FLOORING. ACOUSTIC HIM INNDOW FRAME: PANTIED TO MATCH DOOR FRAME. REFER TO DRAWING A 1-8984. SOLIO GRADE LAMMATE COUNTER TO & A PAPOR WIT DOY MOUNT SINKS); LAM-3. TOILET. PARTITIONS AND DOORS STAMLESS STEEL. MET'AL LOCKERS & BENCHES. PREFINSHED. 1, 14° COVER DAS. REFER TO DRAWING & 1-506. SOLID GRADE LAMINATE COUNTER TOP & APRON (W) TOP MOUNT SINKS): LAM-S, TOILET PARTITIONS AND DOORS: STANLESS STEEL. METAL LOCKERS & BENCHES: PREFINISHED. *1 14" COVE BASE. REFER TO BRAWNOS A1-5085.

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TRANSBAY JOINT POWERS AUTHORITY

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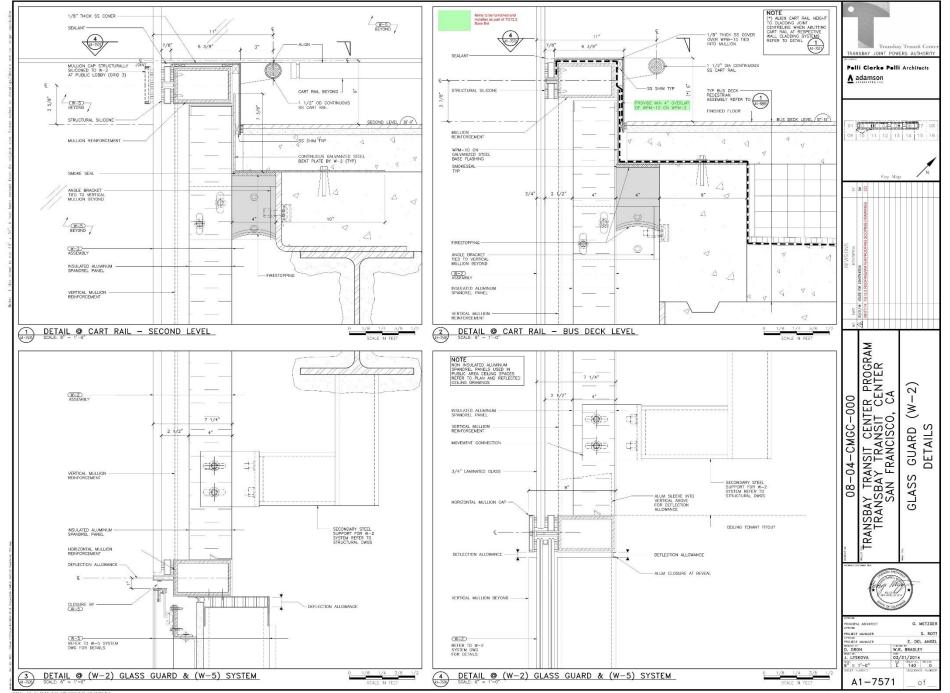
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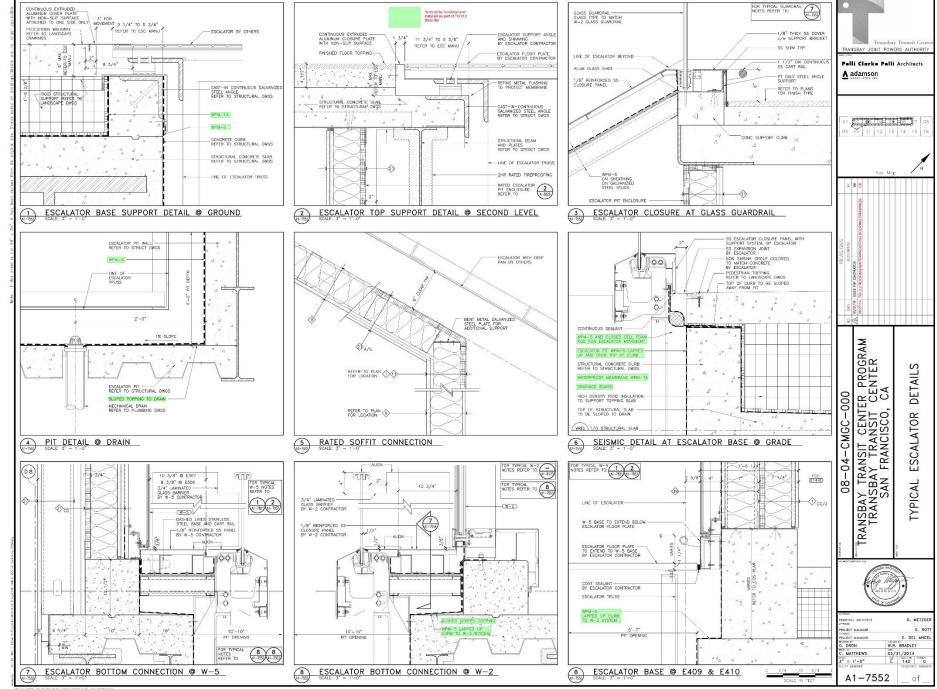
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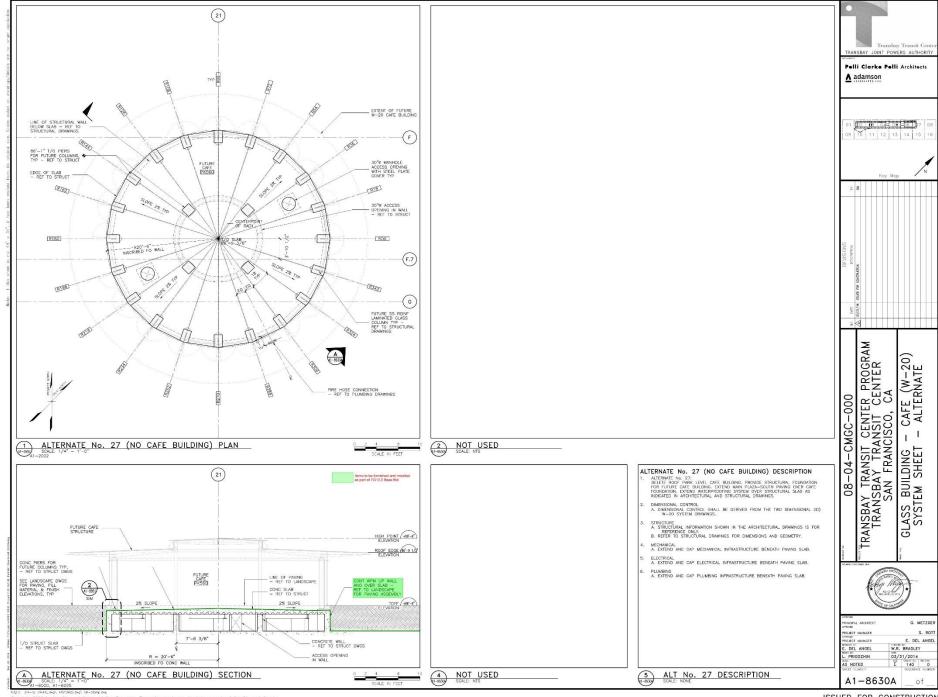
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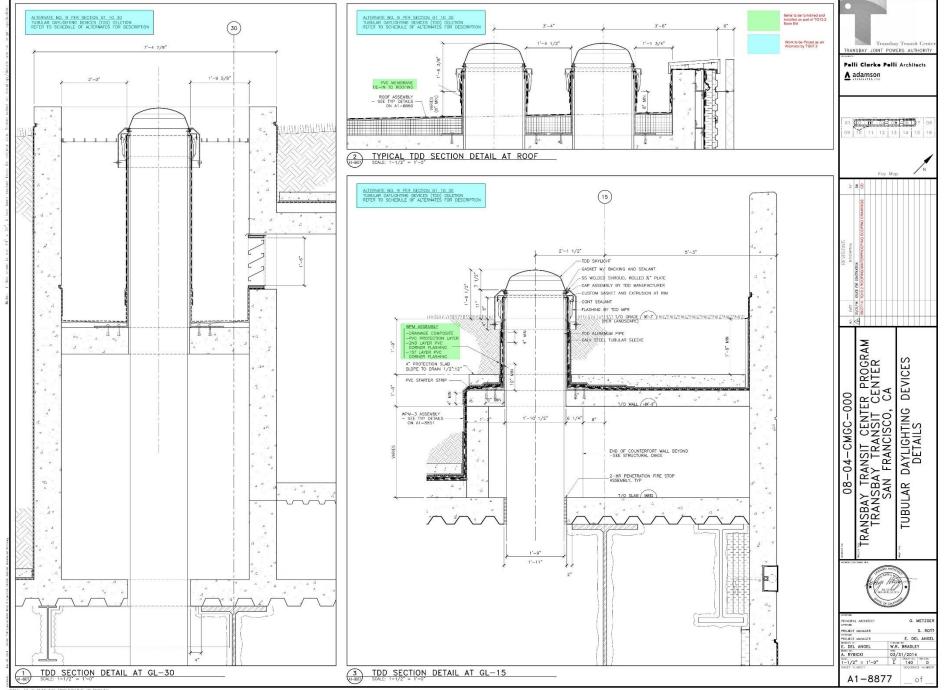
2 ROOM FINISH SCHEDULE

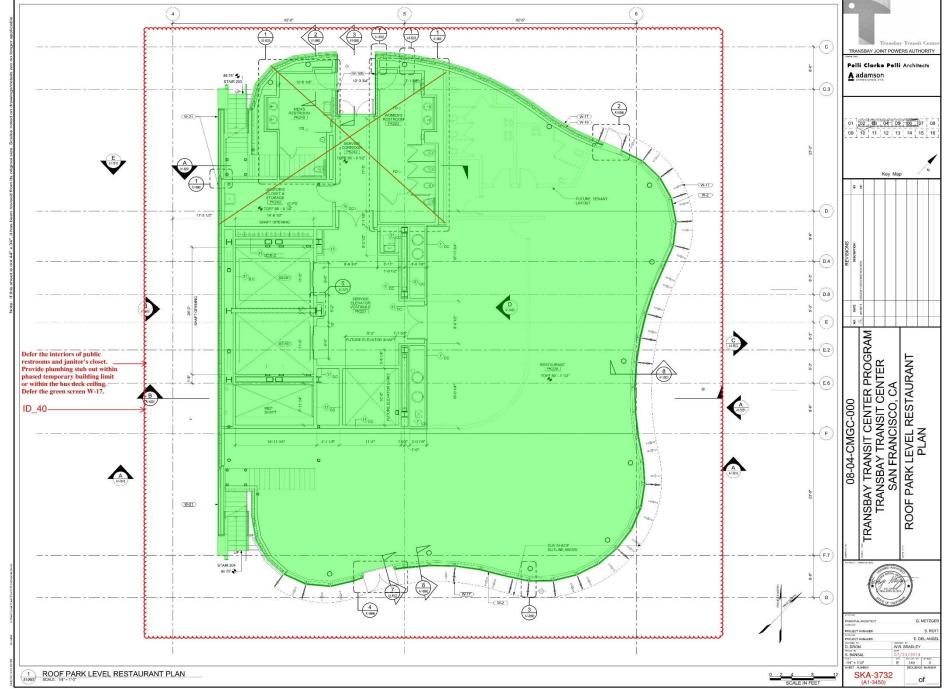
ROOM FINISH SCHEDULE











GENERAL NOTES SPECIAL INSPECTIONS THE FOLLOWING WORK REQUIRES TESTS AND/OR INSPECTIONS. FOR SPECIFIC REQUIREMENTS, SEE SPECIFICATIONS. INSPECTIONS SHALL BE WADE IN ACCORDANCE WITH CRE. 1704, 1707 AND 1708. EINFORCING STEEL, PRESTRESSING STEEL RODS & ANCHOR RODS REBATIONS STREET, PROJECTION OF THE PROJECT OF THE S1-2 ALL TESTS AND INSPECTIONS SHALL BE PERFORMED BY A SPECIAL INSPECTOR PER CBC SECTIONS 1704, 1707, AND 1705. THE SPECIAL INSPECTOR SHALL BE EMPLOYED BY TARA, BUT NOT BY THE CONTRACTOR OR ANY OTHER PERSON RESPONSIBLE FOR THE WORK. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED (LICENSED) PERSON WHO SHAL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL. FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. PER THE 2007 SAN FRANCISCO BUILDING CODE, THE FOLLOWING ITEMS IN THE TABLE BELOW SHALL BE TESTED AND INSPECTED BY A DEPUTY INSPECTOR. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUMMER A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING INSPECTOR AND THE COWNER PRIOR TO THE COMMERCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT FOR GOS SECTION 1706.1. LIST OF SPECIAL INSPECTIONS: YES NO NA CONCRETE DURING THE TAKING OF TEST SPECIMENS PLACING OF REINFORCED CONCRETE B. BOLT INSTALLED IN CONCRETE x REINFORCING STEEL: DURING PLACING OF REINFORCING, PRE-STRESSED STEEL B. SAMPLE AND TEST BAR STEEL & POST-TENSION RODS DURING PREPARATION AND TAKING OF PRISM OR TEST SPECIMENS PLACING OF ALL MASONRY UNITS, REINFORCEMENT, GROUTING AND MASONRY PRISM TEST STRUCTURAL STEEL: MILL REPORTS AND IDENTIFICATION OF STEEL (AFFIDAVIT OF COMPLIANCE) SAMPLING AND TESTING OF SPECIMENS WELDING: ALL STRUCTURAL WELDING (INCLUDES DECKING AND WELDED STUDS ULTRASONIC TESTING OF FULL PENETRATION WELD CONNECTIONS AT MOMENT FRAMES, BRACED FRAMES, BEAM SPLICES, AND FIELD WELD STRUCTURAL LIGHT GAGE METAL FRAME WELDING D. REINFORCING STEEL WELDING PER CBC 1704A.4.2 HIGH STRENGTH BOLT A325SC & A490SC (TENSION VERIFICATION) HIGH STRENGTH BOLT A325N & A490N (SNUG CONTACT OF PLYS) EXPANSION/ADHESIVE ANCHORS IN CONCRETE OR MASONRY INSTALLATION AND TESTING A. TEST CYLINDERS AND INSPECTIONS

GENERAL NOTES TABLE 1704.3 REQUIRED VERIFICATION AND INSPECTION OF STEEL CONSTRUCTION A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED APPLICABLE ASTM MATERIA SPECIFICATION CONSTRUCTION DOCUMENTS SC 360, SECTION MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED. ECTION OF HIGH-STRENGTH BEARING-TYPE CONNECTIONS AISC 360, SECTION M2.5 1704.3.3 B. SEPOUNDAL CONNECTIONS. MATERIAL VERIFICATION OF STRUCTURAL STEEL: A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFED IN THE APPROVED CONSTRUCTION DOCUMENTS. 1708.4 B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS. MATERIAL VERIFICATION OF WELD FILLER ITERIALS: IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED. AISC 360, SECTION A3.5 COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. AWS D1.1, AWS D1.8 (FOR SEISMIC FRAME) MULTIPASS FILLET WELDS 1704.3.1 SINGLE-PASS FILLET WELDS > 5/ INGLE-PASS FILLET WELDS ≤ 5/16* FLOOR AND ROOF DECK WELDS. AWS D1.3 FORCING STEEL VERIFICATION OF WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706. × ASTM A 706. REINFORCING STEEL-RESISTING FLEXURAL AND AXIAL FORCES IN FOUNDATION WALL, MOMENT FRAMES, AND BOUNDARY ELEMENTS OF REINFORCED CONCRETE SHEAR WALLS AND SHEAR REINFORCEMENT. HEAR REINFORCEMEN 4) OTHER REINFORCING STEEL CTION OF STEEL FRAME JOIN

DETAILS SUCH AS BRACING AND

C. APPLICATION OF JOINT DETAILS AT EACH CONNECTION.

MEMBER LOCATIONS

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

	VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD (A)	IBC REFERENCE
	INSPECTION OF REINFORCING STEEL AND PLACEMENT.	-	х	ACI 318: 3.5, 7.1-7.7	1913.4
	INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1704.3, ITEM 5B.	-	=1	AWS D1.4, ACI 318: 3.5.2	=
i.	INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	×	=1	=	1911.5
	VERIFYING USE OF REQUIRED DESIGN MIX.	1=1	×	ACI 318: Ch. 4, 5.2-5.4	1904.2.2, 1913.2 & .3
	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	×	27	ASTM C 172, ASTM C 31, ACI 318: 5.6, 5.8	1913.10
	INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	×	=	ACI 318: 5.9, 5.10	1913.6, 1913.7, 1913.8
	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	х	ACI 318: 5.11-5.13	1913.9
i.	VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLASS.	-	×	ACI 318: 6.2	-
į.	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.	-	х	ACI 318: 6.1.1	-

(A) WHERE APPLICABLE, SEE ALSO SECTION 1707.1, SPECIAL INSPECTION FOR SEISMIC RESISTANCE.

GENERAL NOTES

AC ARCHITECTURAL CLADDING

TYPICAL DETAILS INDICATE GENERAL CRITERIA FOR ASSUMED CONNECTIONS OF ARCHITECTURAL CLADDING TO BASE BUILDING STRUCTURE. PROVIDE DESIGNS ARCHITECTURAL CLADDING TO BASE BUILDING STRUCTURE. PROVIDE DESIGNA THAT MEET INDICATED CRITERIA AND CONFORM TO LISTED CODES AND STANDARDS. REFER TO SUBMITTALS SECTION IN THESE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.

PA POST-INSTALLED ANCHORS

- POST INSTALLED ANCHORS INCLUDE EXPANSION ANCHORS, SCREW ANCHORS PA.1 EPOXY ANCHORS/DOWELS, AND POWDER-ACTUATED FASTENERS
- INSTALL POST-INSTALLED ANCHORS IN ACCORDANCE WITH THE APPLICABLE ICC-ES REPORT AND THE MANUFACTURER'S RECOMMENDATIONS.
- PA-3 USE SCANNING EQUIPMENT OR OTHER MEANS TO LOCATE AND AVOID CUTTING OR NG REINFORCING BARS. SER APPROVAL IS REQUIRED PRIOR TO CUTTING OR DAMAGING REINFORCING.
- PA-4 SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHOR INSTALLATIONS, UON.
- FIELD TESTING OF POST-INSTALLED ANCHORS IS REQUIRED, UON, TEST INSTALLED ANCHORS IN ACCORDANCE WITH THE FOLLOWING:

 - TEST 160% OF ANCHORS AT ALL STRUCTURAL APPLICATIONS, UON. TEST 50% OF ANCHORS AT ALL NON-STRUCTURAL APPLICATIONS (BUCH AS EQUIPMENT ANCHORAGE), UON. TEST 10% OF ANCHORS AT SILL PLATE BOLTING APPLICATIONS, UON. TEST 10% OF ANCHORS AT SILL PLATE BOLTING APPLICATIONS. UON. TEAT ANCHORS OF THE SAME TYPE NOT
- IF ANY MICHOR FAILS TESTING, TEST ALL AND-DISKS OF THE SAME TYPE INDT
 PREVIOUSLY TESTING DUTHE, DE CONSECUTIVE AND CHES PASS. FEELD TESTIS SHALL BE EITHER TENSION TESTS OF TORQUE TESTS. AS
 FEELD TESTS SHALL BE EITHER TENSION TESTS OF TORQUE TESTS. AS
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 THE TESTIS SHALL BE EITHER TENSION TESTS OF AND CHEST SHALL AT
 THE MADE THE TEST OF THE TESTIS OF THE TES
- ANCHOL BEIND TESTED, PROVIDED THE ANCHOR IS NOT RESTRIKED FROM WHITDRIMAND BY THE FIXTURES TO BE ACCEPTABLE. ANCHORS SHALL HAVE WITHOUT ATT IT IS NO ACCEPTABLE. ANCHORS SHALL HAVE BEIND THE THE ACCEPTABLE THE THE ACCEPTABLE THE ACCEPTABLE THE RESTRICT THE ACCEPTABLE THE RESTRICT THE ACCEPTABLE THE RESTRICT THE ACCEPTABLE TO THE ACCEPTABLE TO BE ACCEPTABLE TO THE AUTOLITY OF THE AUTOLITY OF THE AUTOLITY OF THE ACCEPTABLE TO BE A

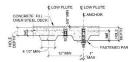
1704.3.2

A. EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING, UON CARBON STEEL HILTI KWIK BOLT TZ

ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, UON



CONCRETE SLAB



UNDERSIDE OF CONCRETE FILL OVER STEEL DECK

HILTI		BOLT TZ I	N NORMAL- RETE
ANCHOR DIAMETER	Hef	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2"	2-5/8"	25
1/2"	3-5/8"	4"	40
5/8*	4"	4-3/4"	60
3/4"	4-3/4"	5-3/4"	110

HILTI KWIK BOLT TZ IN CONCRETE COMPOSITE DECK INSTALL FROM UNDERSIDE OF DECK CENTER ON LOW FLUTE MINIMUM HOLE DEPTH Hef' VALUE (FT-LBS) 3-5/8"

HILTI KWIK BOLT INSTALLED INTO TOPSIDE OF 3-1/4 LIGHTWEIGHT CONCRETE ON DECK ANCHOR Hef MINIMUM HOLE DEPTH

		STRONG-E	
ANCHOR DIAMETER	Hef	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2-1/2"	3*	30
1/2"	3-3/8"	4-1/8*	60
5/8"	4-1/2"	5-3/8*	90
3/4"	5"	6"	150

		NG-BOLT 2 IN INSTALL FRO	CONCRETE OM UNDERSIDE
OF DE	CK - CI	ENTER ON LC	W FLUTE
ANCHOR DIAMETER	Hef	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8*	3"	3-1/2"	30
1/2*	4"	4-3/4"	60

5/8* 4" 4-7/8" 90

GENERAL NOTES

SIMPSON STRONG-BOLT 2 INSTALLED INTO TOPSIDE OF 3-1/4" LIGHTWEIGHT CONCRETE ON DECK ANCHOR Hof MINIMUM TORQUE TEST HOLE DEPTH VALUE (FT-LBS)

- C. Hat IS MEASURED FROM FACE OF CONCRETE SUBSTRATE TO THE TEETH ON THE
- EXPANSION ELEMENT:
 CONTRACTOR SHALL PROVIDE ANCHORS WITH SUFFICIENT TOTAL LENGTH FOR
 THE SPECIFIED EMBEDMENT LENGTH, THONNESS OF FASTENED PART, WASHER
- ANCHOR MAY BE OFFSET 1" MAX FROM CENTER OF LOW FLUTE WHEN INSTALLED FROM UNDERSIDE OF DECK.

PA-7 FIELD DRILLED EXPANSION ANCHORS IN MASONRY:

A. EXPANSION ANCHORS SHALL BE ONE OF THE FOLLOWING, UON: CARBON STEEL HILTI KWIK BOLT 3 MASONRY ANCHOR (ICC-ES REPORT ESR-1385)

SIMPSON STRONG-TIE WEDGE-ALL ANCHOR (ICC-ES REPORT ESR-1396)

B. ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS:

ANCHOR DIAMETER	EMBEDMENT DEPTH	TORQUE TEST VALUES (FT-LBS)
3/8"	2-1/2"	15
1/2"	3-1/2"	25
5/8"	4"	65
3.4"	4-3/8"	120

SIMPSO	N WEDGE-A	LL IN MASONRY
ANCHOR DIAMETER	EMBEDMENT DEPTH	TORQUE TEST VALUES (FT-LBS)
3/6"	2-5/8*	30
1/2"	3-1/2*	35
5/8"	4-3/8"	55
3/4"	5-14*	120

C. HOLES SHALL BE DRILLED TO A DEPTH ALLOWING FOR PROPER EMBEDMENT. FOLLOW MANUFACTURER'S INSTRUCTIONS.

PA-8 SCREW ANCHORS

- A SCREW ANCHORS SHALL BE ONE OF THE FOLLOWING, UON: SIMPSON TITEN HD (ICC-ES REPORT ESR-2713)
- HILTI KWIK HUS-EZ (ICC-ES REPORT ESR-3027)
- B. ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, HON-

	CONCRETE	(3000 PSI MIN)
ANCHOR DIAMETER	EMBEDMENT	TENSION TEST VALUE (LBS)
3/8"	2-1/2"	1200
1/2"	3-1/4"	2973
3/4"	5-1/2"	5895

HILTI		Z IN NORMAL WEIGHT : (3000 PSI MIN)
ANCHOR DIAMETER	EMBEDMENT	TENSION TEST VALUE (LBS)
1/4"	2-1/2"	1133
3/6"	2-1/2"	2093
1/2"	3"	2620
5/8"	3-1/4"	3049
3/4"	4"	4118

PA-9 EPOXY ANCHORS AND DOWELS

- A. EPOXY SHALL BE ONE OF THE FOLLOWING, UON HILTI HY-150 MAX-SD (ICC-ES REPORT ESR-5013) HILTI HIT-RE 500-SD (ICC-ES REPORT ESR-2322) SIMPSON SET-XP (ICC-ES REPORT ESR-2508)
- SIMPSUM SELAY (IUCES NETURE ISSUESSE)

 RODG SEMEDEDE IN BEDVY SHALL BE CARRON STEEL THREADED ROOS PER THE EPONY MANUFACTURERS ICC ES REPORT.
 RIEINPORTION STEEL BARS MINERODED IN FEDAY SHALL BE ASTM ANS. GRADE 60.
 UON.
 LINK.
 BURDENETT AND FIELD TEST VALUES ARE AS FOLLOWS, UON:

		TENSIO	ON TEST VAL	UE (LBS)
REBAR SIZE	EMBEDMENT (IN)	HILTI HY-150 MAX-SD	HILTI HIT-RE 500-SD	SIMPSON SET-XP
#3	3	1420	2050	
#4	4	2760	3640	5840
#5	5	4640	5750	7440
#6	6	7180	8150	9520
#7	7	9860	10140	9550
#8	8	12970	12380	13830

	CONCRET	TE (3000 F	PSI MIN)				
THREADED		TENSION TEST VALUE					
DIAMETER (IN)	EMBEDMENT (IN)	HILTI HY-150 MAX-SD	HILTI HIT-RE 500-8D	SIMPSON SET-XP			
3/8	3	1420	2030	3650			
1/2	4	2760	3060	5540			
5/8	5	4640	5770	7440			
3/4	6	7180	8150	9520			
7/8	7	9860	10200	9550			
- 1	8	12970	12310	13830			



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TG13.2 Roofing/Waterproofing

Questions?



TG13.2 Roofing/Waterproofing

IFB Package Timeline

Bid Package Issued:	August 27, 2014
Pre-Bid Conference:	September 18, 2014 (2:00 P.M.)
Qualifications Due (for non-qualified):	September 18, 2014 (2:00 P.M.)
Notification of Qualification (for non-prequalified):	October 1, 2014
Questions/Clarifications (QBD) Due:	October 28, 2014 (2:00 P.M.)
Pre-Bid Request for Substitution Due:	October 28, 2014 (2:00 P.M.)
Value Engineering (VE) Proposals Due:	November 4, 2014 (2:00 P.M.)
VE Proposals Review:	November 5, 2014 – November 18, 2014
Bid Package Due:	November 18, 2014 (2:00 P.M.)
Public Bid Opening:	November 18, 2014 (2:00 P.M.)
Protest Period:	November 18, 2014 (2:00 P.M.) –
	November 25, 2014 (2:00 P.M.)
Notification of Intention to Award Contract	December 2014
TJPA Board Vote to Approve the Contract Award:	December 11, 2014



TG13.2 Roofing/Waterproofing

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)



TG13.2 Roofing/Waterproofing

Request for Information P1-0001 to P1-0431

Pay close attention to the following RFIs:

P1-0064	Continuous Seal at Interior Side of Exterior Concrete Wall
P1-0078	Flood Coat of Asphalt
P1-0083	PVC Roofing Substrate Requirement
P1-0088	CMU Support Wall at Seismic Joint
P1-0083.1	Additional Review of PVC Substrate Requirement
P1-0089	WPM-6
P1-0090	Waterproofing soffit
P1-0091	Plywood Installed with Soil
P1-0091.1	Specification for Plywood Installed with Soil per Detail 2/L1-9665
P1-0108	Waterproofing System Spec
P1-0108.1	Product/Manufacturer Substitution for PVC Roofing
P1-0109	Dampproofing spec
P1-0109.1	Product/Manufacturer Substitution for Site Dampproofing
P1-0116	Perm-A-Barrier VPS Contractors
P1-0116.1	Product/Manufacturer Substitution for Self-Adhered Sheet Waterproofing
P1-0117	Waterproofing Systems
P1-0117.1	Product/Manufacturer for PVC Waterproofing
P1-0118	Thermoplastic Water Tank Liner Manufacturer
P1-0118.1	Product/Manufacturer for Thermoplastic Water Tank Liners
P1-0126.1	Fall Arrest Stanchions.
P1-0135	Below Grade Waterproofing
P1-0136	Roofing Spec

TG13.2 Roofing/Waterproofing

Request for Information P1-0001 to P1-0431

Pay close attention to the following RFIs:

P1-0137	Waterproofing Membrane Curing time
P1-0138	Unfinished work watertight spec
P1-0139	Unfinished work watertight spec
P1-0139.1	Direction For Revision of Specification Section 07 54 19 1.9 A 5
P1-0140	Floor Coating Temperature Spec
P1-0141	Coating Requirements
P1-0161	Topping slab at bus deck
P1-0200	PVC Detail
P1-0299	Waterproofing at Escalator Closure per Detail 3/A1-7552
P1-0338	Roof Park Building Protection Slab and Waterproofing Details
P1-0340	Waterproofing Membrane for Roof Park Level per Alternate No. 27
P1-0341	Manhole Access Openings in Future Café PK560
P1-0362	Waterproofing at Concrete Bus Crash Rail
P1-0364	One Story Building Reference Per Specification Section 07 54 19 1.1 A 2
P1-0368	Dampproofing Requirements at Trench and Slot Drain Channels
P1-0369	Waterproofing at Walk-Off Mat per Detail 6/A1-9307
P1-0370	Protection Board and Waterproofing Membrane Details at Public Restroom
P1-0371	WPM-5 Crystalline Waterproofing at Escalator Pit per Detail 4/A1-7550
P1-0372	WPM -2 Call Out at Muni Bus Plaza
P1-0373	Concrete Paving Specification Clarification
P1-0374	Details for Site Fluid-Applied Waterproofing (WPM-4)
P1-0377	WPM-5 Crystalline Waterproofing at Escalator Pit per Detail 4/A1-7552
P1-0378	WPM-9 Call Outs at Elevator Pits
P1-0380	WPM-5 Crystalline Waterproofing at Lover Concourse Level Telecom Service Vault
P1-0386	WPM-5 Called out in Detail 6/A1-7554 at Second Level W-2 Escalator Pit
P1-0418	Revision of Corrosion Engineer Requirement Anywhere Stated



TG13.2 Roofing/Waterproofing

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.



TG13.2 Roofing/Waterproofing

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.:			
Trade Parite Woder 140			
Product History: New	2-5 years old	5-10 years old	More than 10 years old
Differences between proposed suldata):	bstitution and specified	product (attach required	1 point-by-point comparative
Reason for not providing specific	d item:		
Similar installation where propose Installed):	ed substitution has been	used (Project/Address/	Architect/Owner/Date
Proposed substitution affects other	er parts of the Work:	_ No Yes: explain	
Changes or modifications needed the proposed substitution:	to coordinate other part	s of the Work that will	be necessary to accommodate



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QBD & VE Process

Project: Transbay Transit Center	(WEBCOR/OBAYASHI JOINT VENTURE USE)				
	QBD No.:				
G	Received:				
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:					
• Mark this circle if the QBD can be answered by Bidd an be obtained.	er's review of the documents. Reply with location(s) when	re the infor			
• Mark this circle if the QBD can be answered by Bidd n be obtained. eply:	er's review of the documents. Reply with location(s) when				
Mark this circle if the QBD can be answered by Bidd n be obtained. Part of the QBD can be answered by Bidd n be obtained. Part of the QBD can be answered by Bidd n be obtained. Part of the QBD can be answered by Bidd n be obtained by Bidd n be obtained. Part of the QBD can be answered by Bidd n be obtained by Bidd n be obtai	er's review of the documents. Reply with location(s) when Date: Date: per not change the Bid Documents unless the information of the second control of	contained t			

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:
 - 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.
 - d. A description of known or anticipated impacts to LEED certification as a result of the VE work.
 - 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.
- 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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Webcor and Subguard Prequalification Process

Step 1:

Email:

Mary Hobbs, Estimating mhobbs@Webcor.com
Tim Lutz, CFO Tim@Webcor.com

Subject line: Transbay TG13.2

- 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 Tim Lutz, CFO 175 Harbor Bay Parkway, Suite 200 Alameda, CA 94502

Step 2:

- 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

Step 3:

 Financials and Qualifications will be evaluated by WOJV



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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









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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:	Oct 11 Oct 11	J Ou	,			
Address: Portion of Work:		()	V			
	Amou	unt 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.

NAME OF PROJECT/PROPOSAL								PROJECT/PROPOSAL NUMBER				
PROPOSER BUSINESS NAME AND ADDRESS								•				
NAME OF PERSON SUBMITTING BID				SIGNATURE OF P	SIGNATURE OF PROPOSER				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	ertification for each	DBE/SBE su <mark>bcont</mark> ra	ctor listed on this		
form. 4) Attach "Intent to Perform" letter signed b	y the subcontractor.					<u>/</u>						
				DBE-SBE Participation								
LIST BUSINESS FIRM(s) List Name, Address, and Contact Person	Phone Number	Email Address	Age of Firm	Item of Work, Service or	NAICS Co <mark>d</mark> e (if known) *	Annual Gross Receipts of Firm	Certifi <mark>ed DBE</mark> or SBE	Certifying Agency	Type of DBE or SBE **	Award Amount	Perc <mark>en</mark> tage of Contract	
(if not the same as above)				Materials Supplied		Receipts of Firm	(Y/N)		SDE		Partici <mark>p</mark> ation	
A. PRIME Contractor					_						 	
B. Subcontractor/Vendor/Joint Venture												
B. Subcontractor/Vendor/Joint Venture												



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Remember to sign all forms!!

Questions?

Thank You!