







**PROJECT LOCATION**

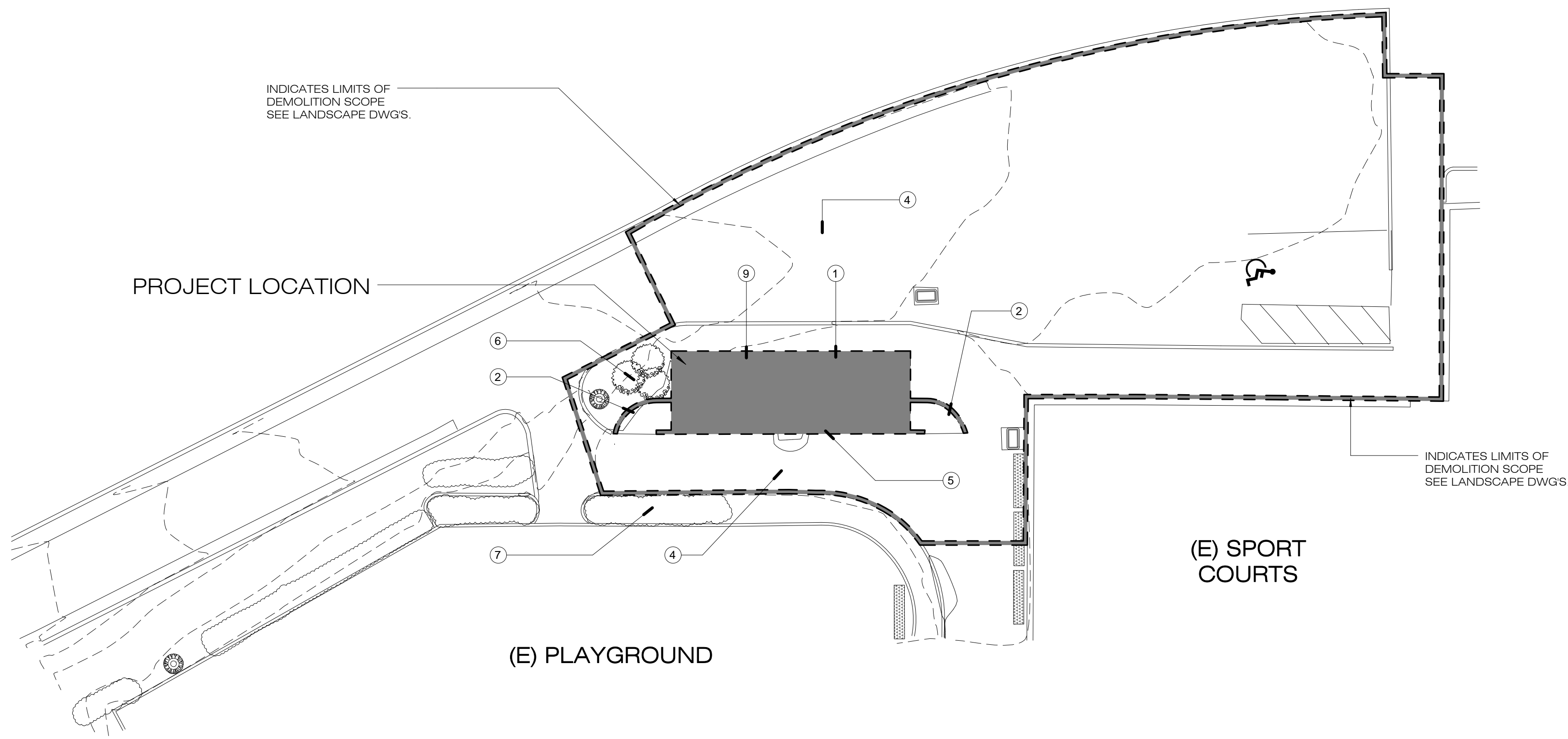
**1 STATES PARK PROJECTION LOCATION**  
1/8" = 1'-0"

SITE DEMOLITION NOTES - STATES PARK	
1	ONLY SOME OF THE (E) BLDG. COMPONENTS ARE SHOWN FOR CLARITY, SCOPE OF WORK INCLUDES DEMOLITION & REMOVAL OF ALL BLDG. ELEMENTS WHETHER SHOWN OR NOT. U.O.N. BY THESE DRAWINGS & SPECIFICATIONS.
2	DEMOLISH (E) CONC. WING WALLS.
4	(E) SITE FURNISHINGS AND PLANTING AROUND (E) BLDG. TO BE REMAIN U.O.N. SEE LANDSCAPE DWGS.
5	REMOVE (E) BUILDING PERIMETER FOUNDATION TYP.
6	(E) TREES TO REMAIN, SEE LANDSCAPE DWGS.
7	(E) PLANTING, SEE LANDSCAPE DWGS.
9	REMOVE (E) ELECTRICAL METER, REMOVE CONDUITS TO GROUND LEVEL, SEE ELECTRICAL DWGS.

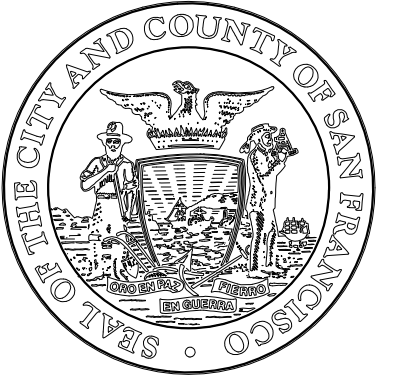


**2 STATES PARK EXISTING VIEW**  
1" = 1'-0"

- GENERAL NOTES:**
- FOR SITE DEMOLITION RELATING TO LANDSCAPE SITE STRUCTURE, ROAD SURFACE, RETAINING WALL & EARTH WORK, SEE LANDSCAPE DRAWINGS.
  - SEE LANDSCAPE DWGS FOR: PATH OF TRAVEL TO ACCESSIBLE PARKING STALL/ CURB RAMPS, PAVING, AND LANDSCAPE RESTORATION.
  - (E) WATER AND SEWER LINES TO BE REUSED ON NEW BUILDING, CAP AND SEAL ALL WATER AND SEWER LINES PER CODE. SEE PLUMBING DRAWINGS.
  - (E) ELECTRICAL LINES TO BE REUSED ON NEW BUILDING.
  - SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND REMOVAL OF SELECTED ITEMS.
  - SEE SPECIFICATIONS FOR HAZARDOUS MATERIAL REMOVAL.
  - VERIFY EXISTING SITE CONDITIONS, REQUIREMENTS AND EXACT LOCATION OF UTILITIES.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SHALL REPAIR ADJACENT EXISTING AND/OR NEW SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS RESULT OF ANY DEMOLITION AND/OR NEW WORK.

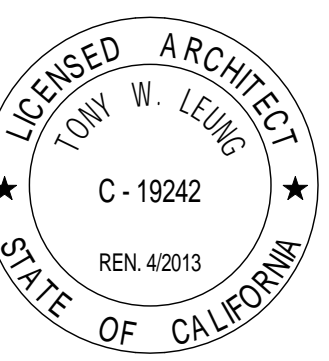


**3 SITE PLAN - STATES PARK**  
3/32" = 1'-0"



No.	Date	Revisions

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Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn A.P.  
Date MARCH 2012  
Phase PERMIT SET

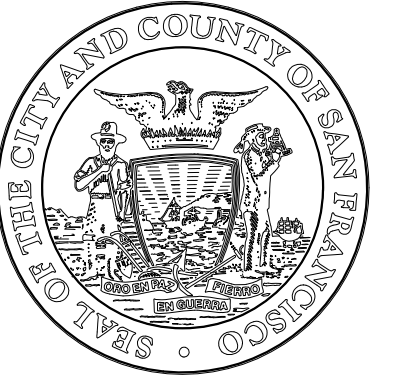


Drawing Title

**SITE PLAN AND DEMOLITION WORK**

Sheet No. **A1.0**

Scale: As indicated  
Job No. **3092-V**



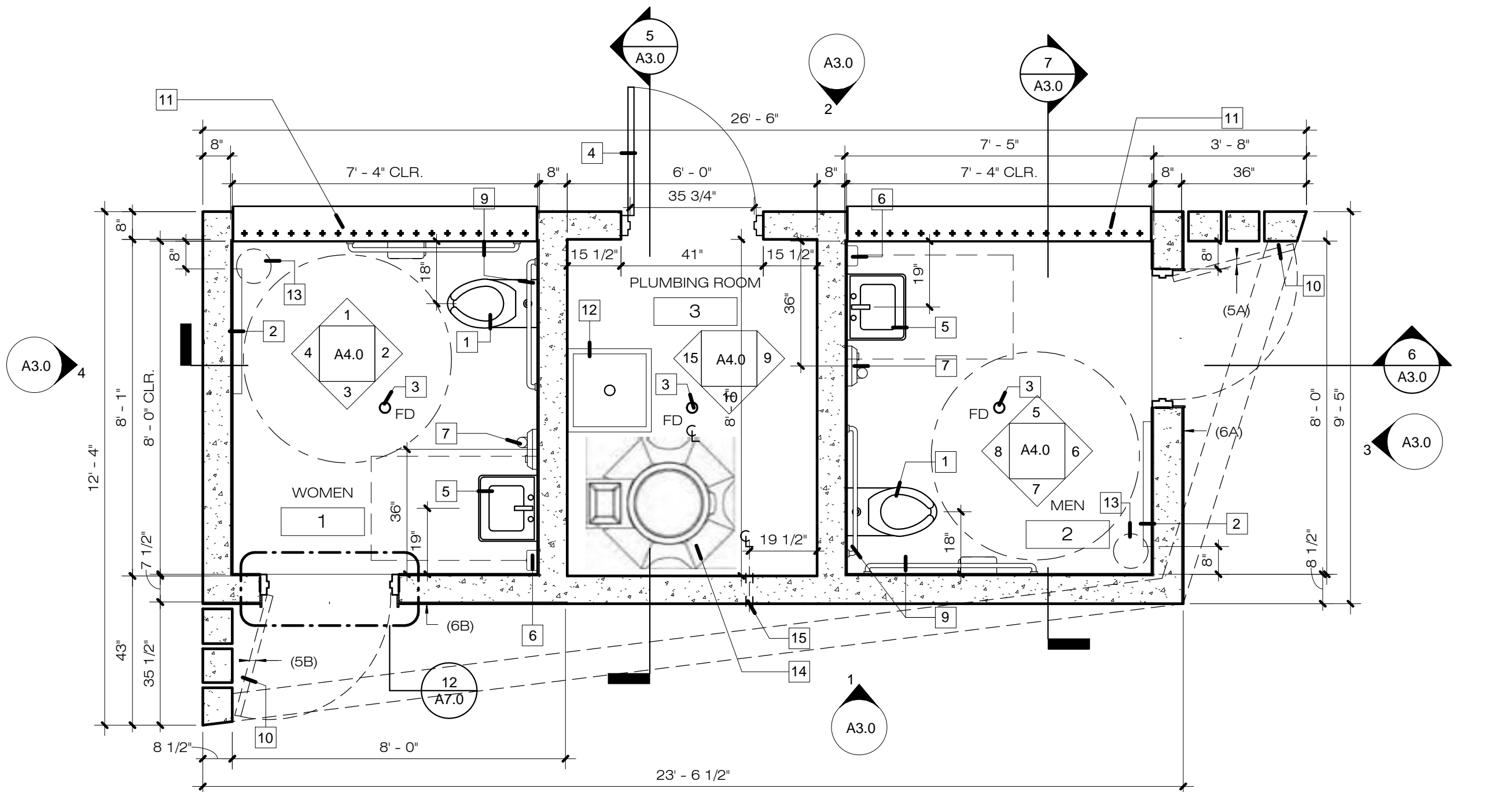
**FLOOR PLAN NOTES - STATES PARK**

- 1 STAINLESS STL. WALL MOUNTED TOILET.
- 2 BABY CHANGING STATION (INSTALL 8" OFF FROM ADJACENT WALL TYP.)
- 3 FLOOR DRAIN
- 4 EXTERIOR MTL. DOOR & FRAME W/ PADLOCK BOX. SEE SHEET A7.0 FOR DETAILS.
- 5 STAINLESS STL. SINK
- 6 SOAP DISPENSER
- 7 ELECT. HANDDRYER. (O.F.C.I.). SEAL ENTIRE PERIMETER WITH SEALANT TYP. (COORDINATE W/ R&P OFFICIALS TO REQUEST EQUIPMENT.)
- 9 STAINLESS STL. GRAB BARS. TYP.
- 10 EXTERIOR MTL. DOOR & FRAME W/ WINDOW GRILL ABOVE. SEE SHEET A7.0 FOR DETAILS.
- 11 MTL. WINDOW GRILL
- 12 FLOOR MOUNTED UTILITY SINK
- 13 TRASH CAN N.I.C.
- 14 COMPOST TEA SYSTEM (NIC) - (STATES PARK RESTROOMS ONLY)
- 15 UTILITY DUCT (FOR ELECTRICAL OUTLET USE ONLY) SEE 4/A3.1

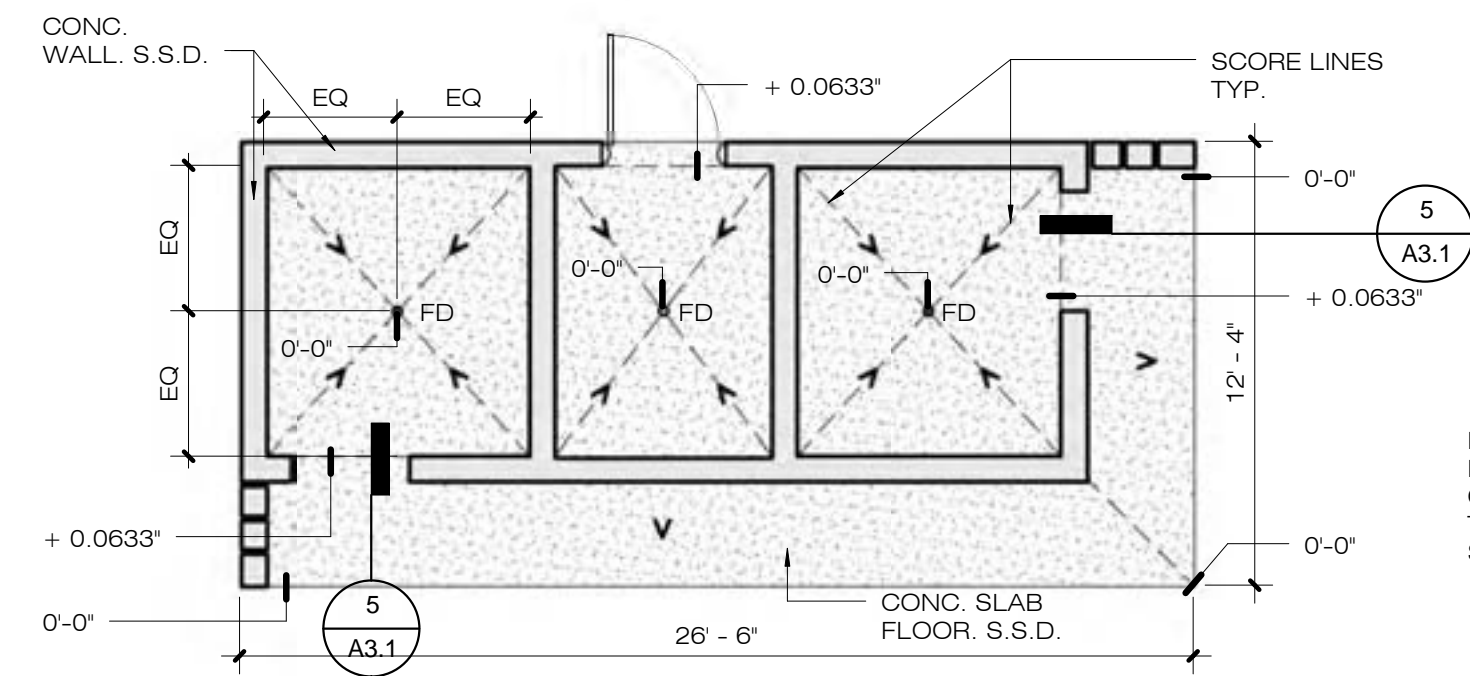
- GENERAL NOTES:**
1. ALL DIMENSIONS ARE GIVEN TO FACE OF WALL, U. O. N.
  2. VERIFY EXISTING SITE CONDITIONS, REQUIREMENTS AND EXACT LOCATION OF UTILITIES.
  3. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND SHALL REPAIR ADJACENT EXISTING AND/ OR NEW SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS RESULT OF ANY DEMOLITION AND/ OR NEW WORK.
  4. SEE LANDSCAPE DRAWINGS FOR LOCATION OF DRINKING FOUNTAIN AND WATER BOTTLE FILLER.

**SHEET LEGEND**

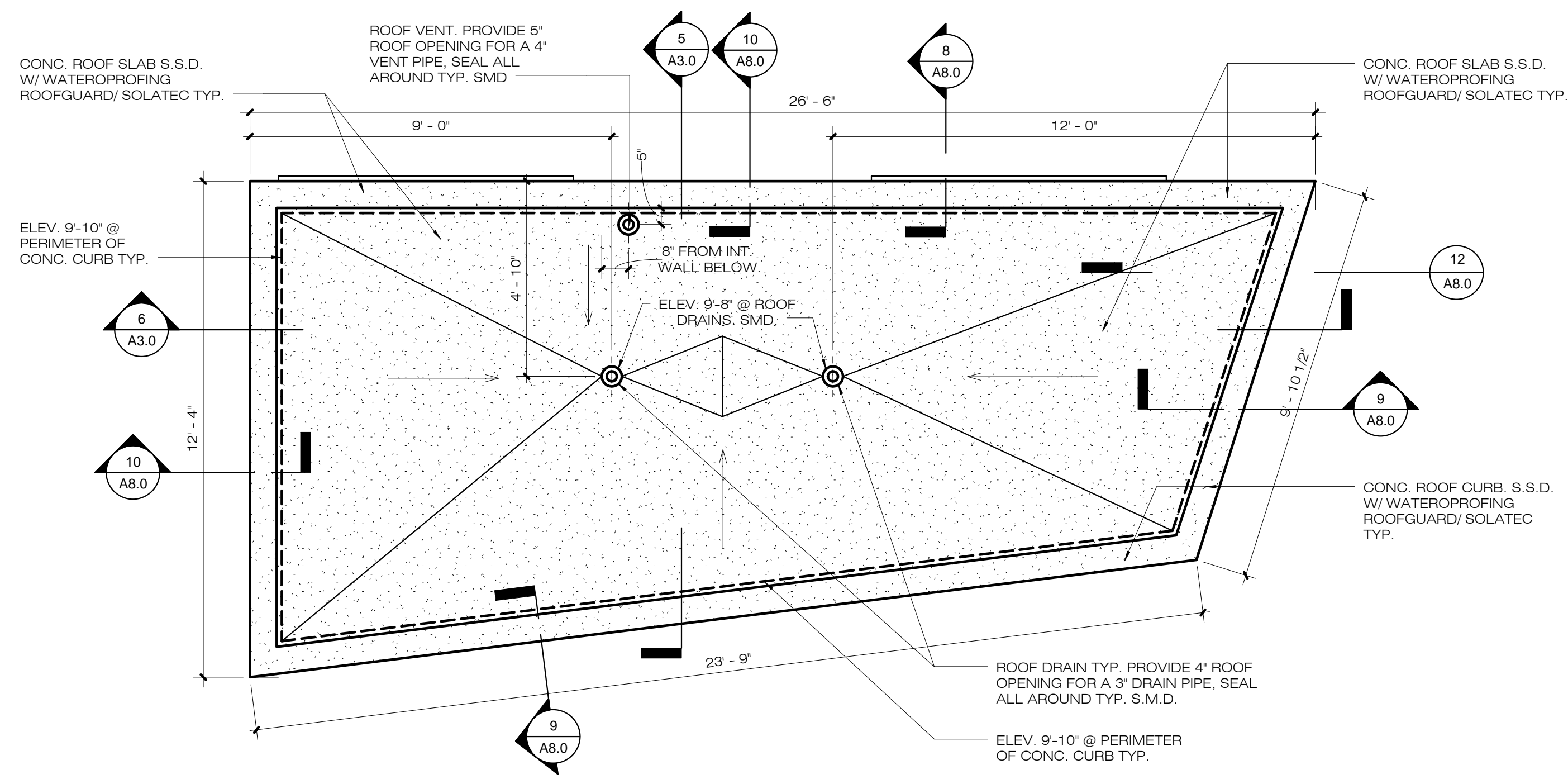
- (5A) → SIGN TYPE (SEE A11.1)
- X → REMODEL NOTE
- (X) → DEMOLITION NOTE



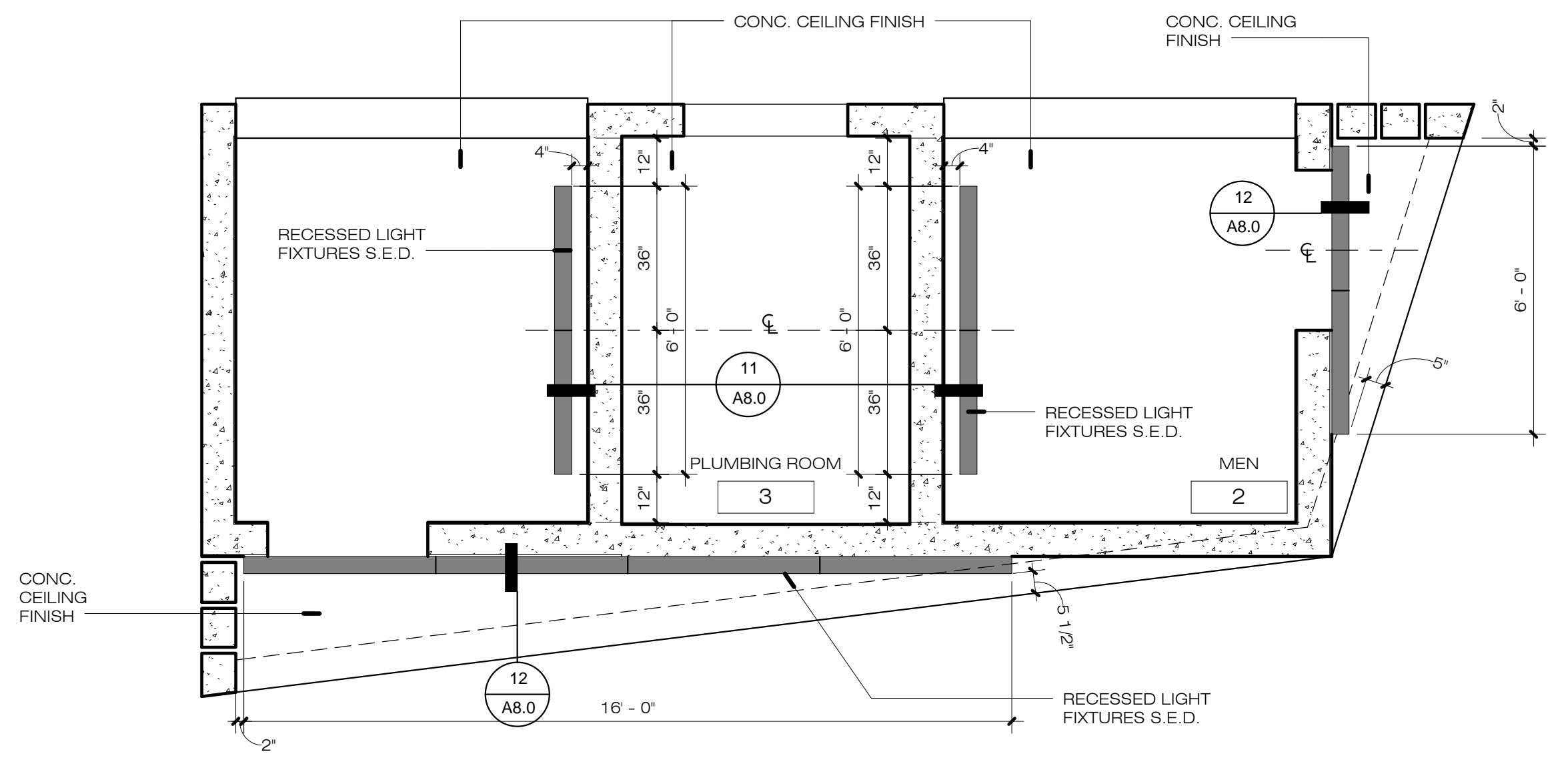
**1 FLOOR PLAN - STATES PARK**  
3/8" = 1'-0"



**4 FLOOR DRAIN LOCATION PLAN - STATES PARK**  
3/16" = 1'-0"



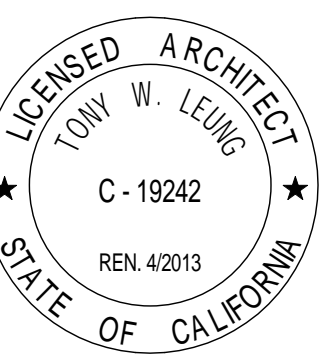
**2 ROOF PLAN - STATES PARK**  
3/8" = 1'-0"



**3 REFLECTING CEILING PLAN - STATES PARK**  
3/8" = 1'-0"

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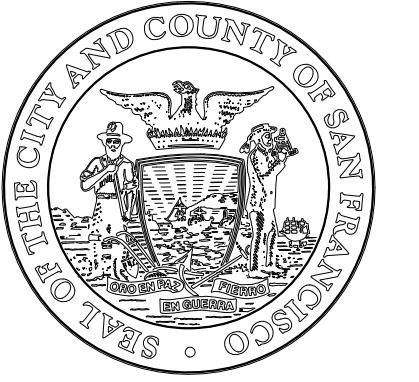
Drawing Title

**FLOOR, ROOF & CEILING  
PLANS**

Sheet No. **A2.0**

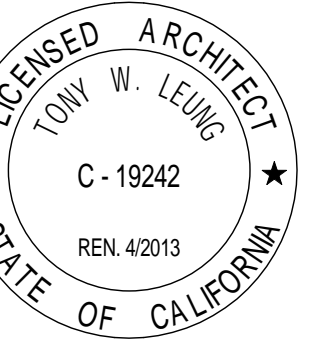
Scale: As indicated  
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**CONCRETE FORM PATTERN  
FLOOR PLAN &  
ELEVATIONS**

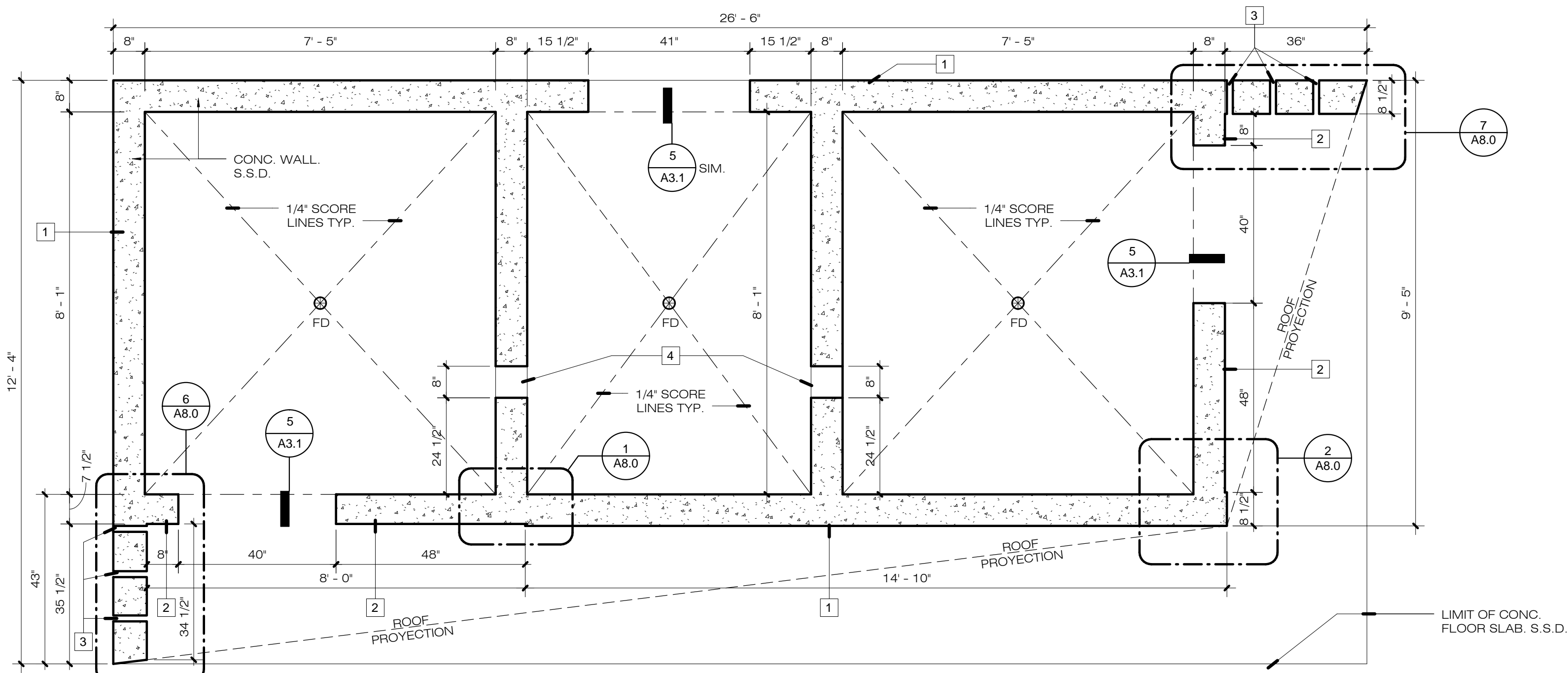
Sheet No. \_\_\_\_\_

**A2.1**

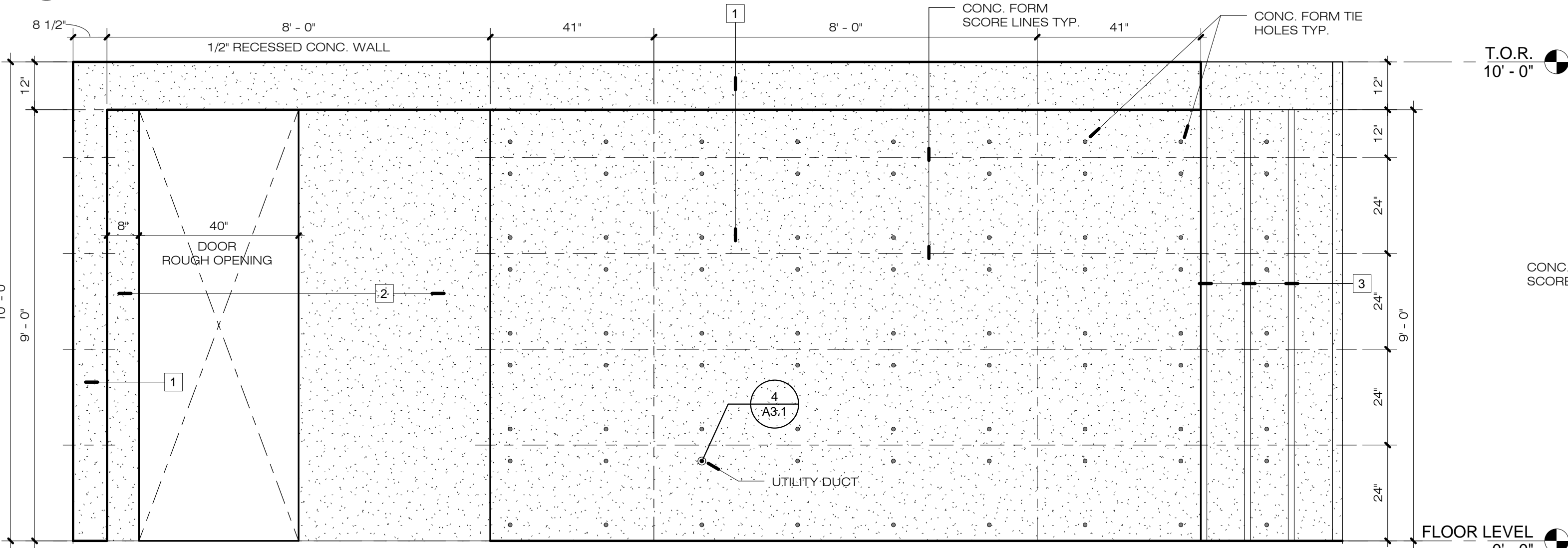
Job No. \_\_\_\_\_ Scale: 1/2" = 1'-0"  
3092-V

**CONCRETE FORM PATTERN - FLOOR PLAN NOTES**

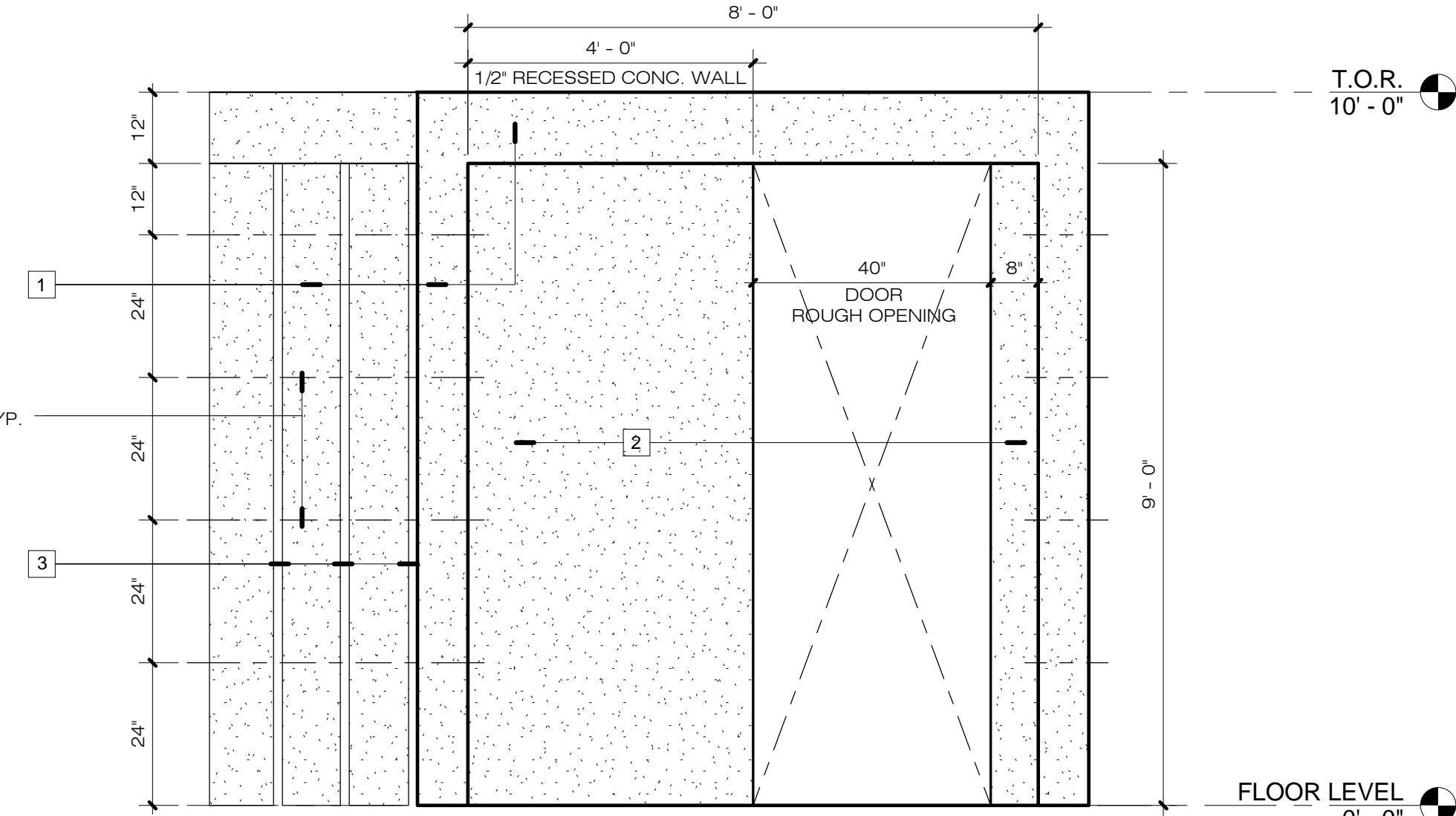
- 1 ARCHITECTURAL EXPOSED CONCRETE, CAST IN PLACE W/ STEEL FORM PANELS AND SNAP TIES TYP.
- 2 1/2" RECESSED CONCRETE WALL TO ACCOMODATE TILE TYP.
- 3 VERTICAL SLITS IN CONCRETE WING WALL TYP.
- 4 8"x8" CONCRETE LOUVER OPENING. SMD.



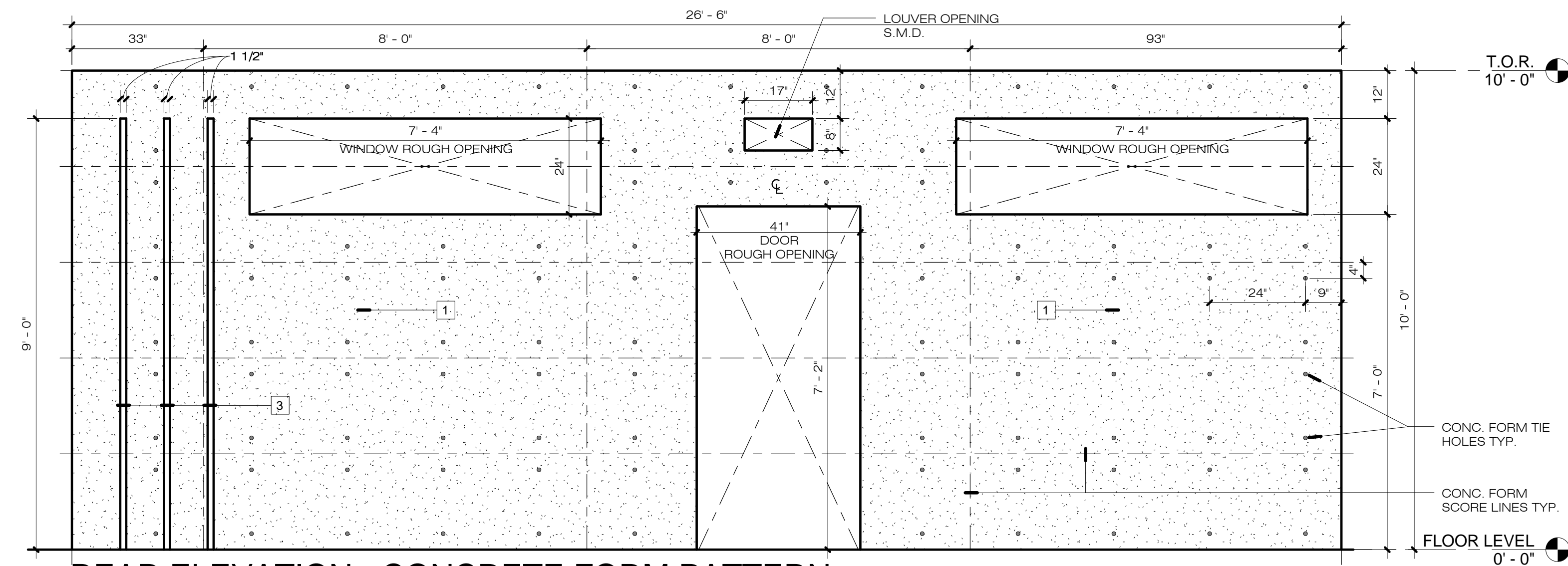
**1 CONCRETE FORM - FLOOR PLAN**  
1/2" = 1'-0"



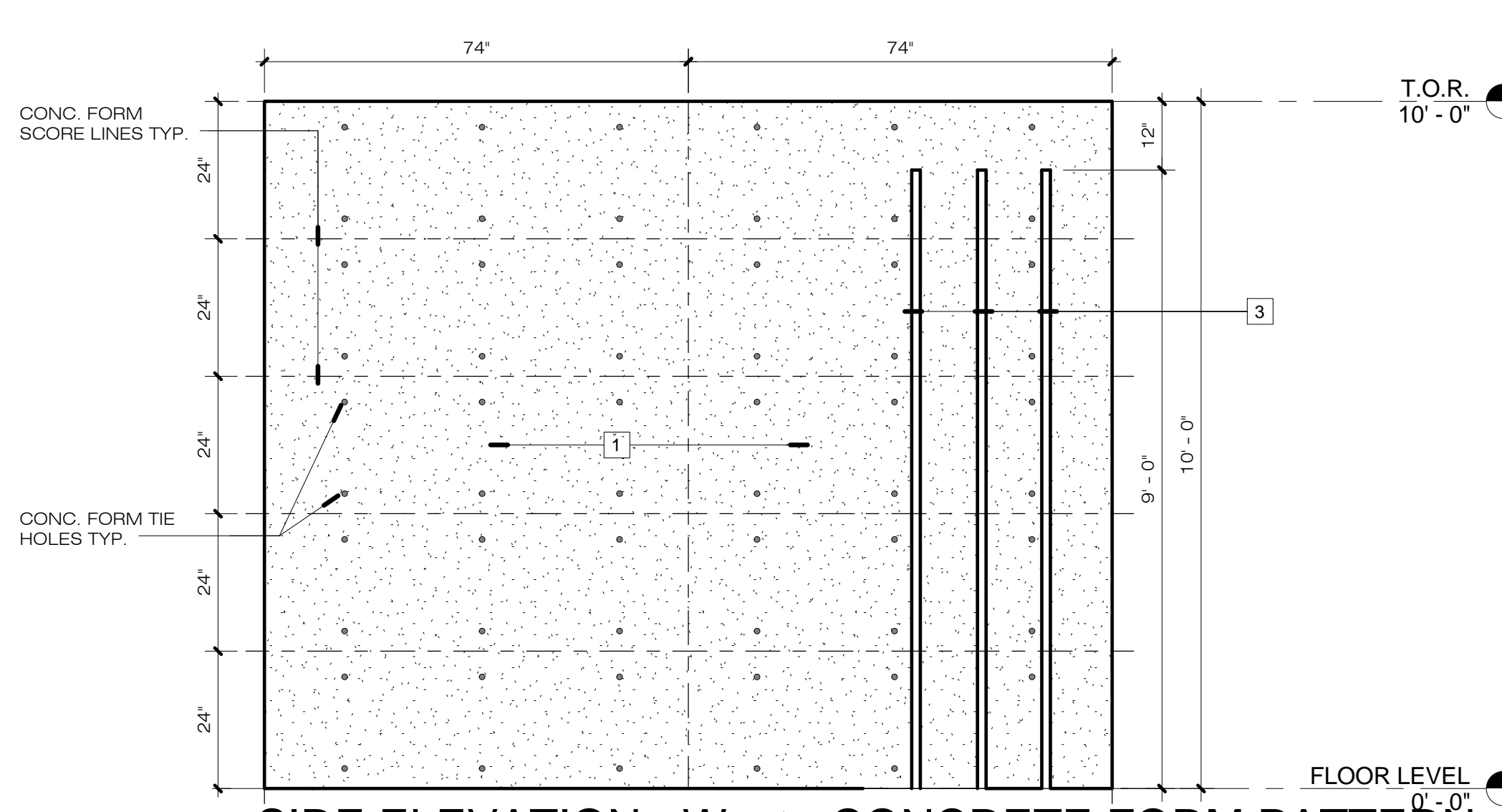
**2 FRONT ELEVATION - CONCRETE FORM PATTERN**  
1/2" = 1'-0"



**4 SIDE ELEVATION - east - CONCRETE FORM PATTERN**  
1/2" = 1'-0"

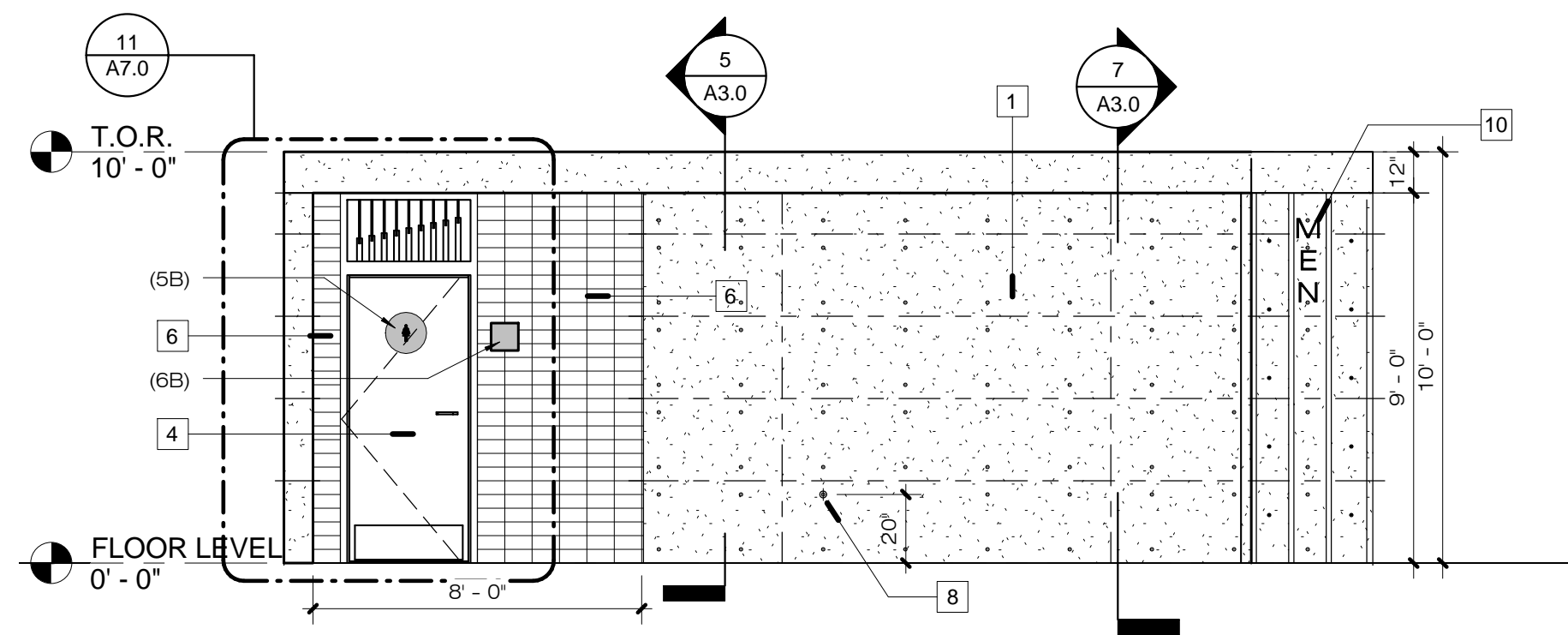
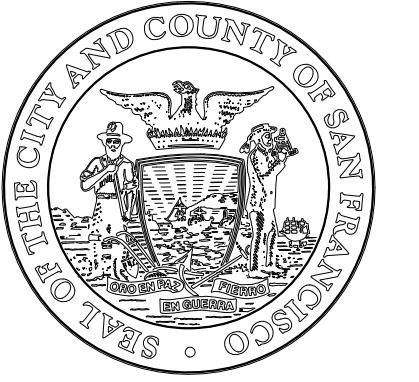


**3 REAR ELEVATION - CONCRETE FORM PATTERN**  
1/2" = 1'-0"

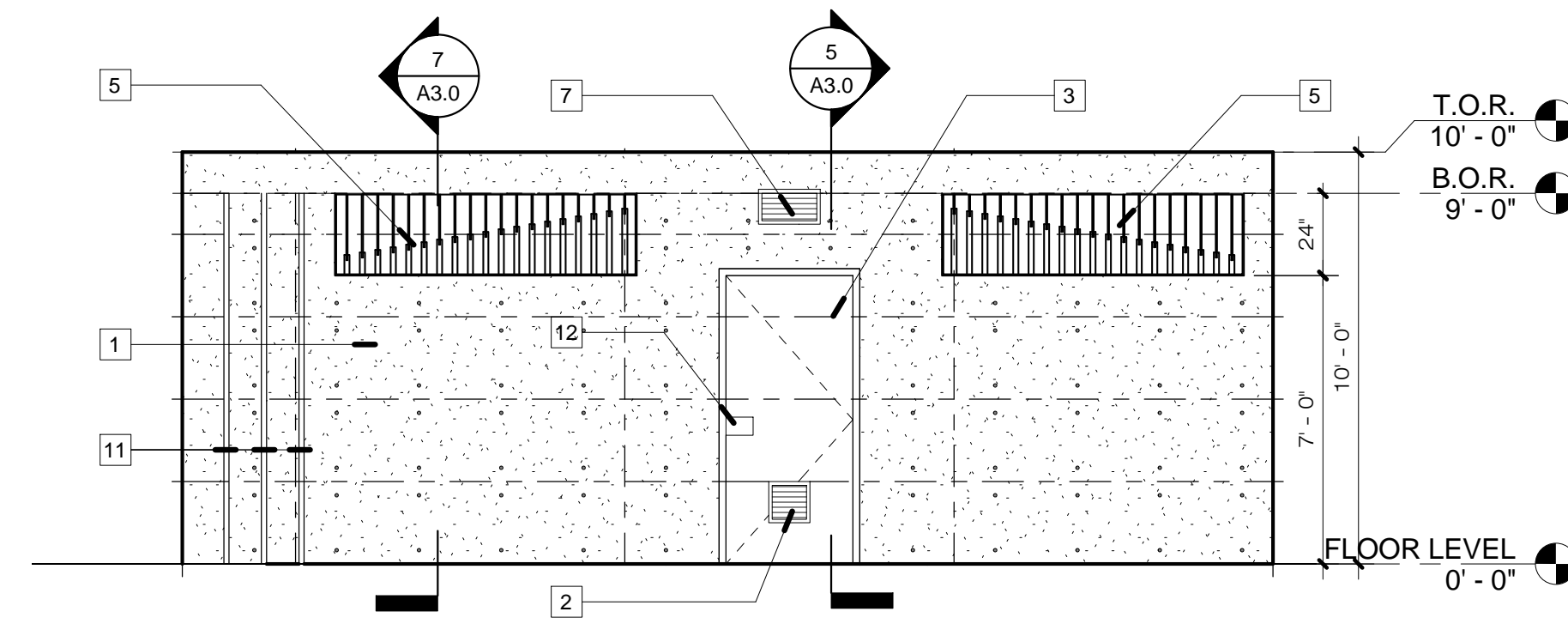


**5 SIDE ELEVATION - West - CONCRETE FORM PATTERN**  
1/2" = 1'-0"

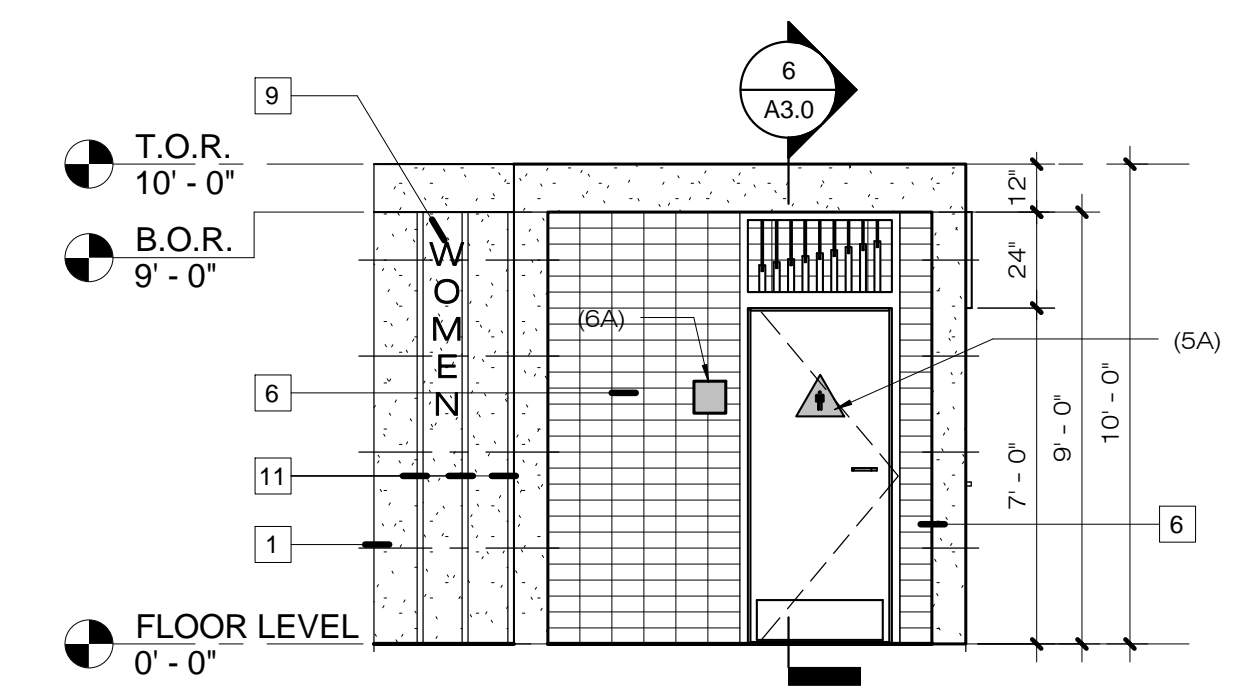




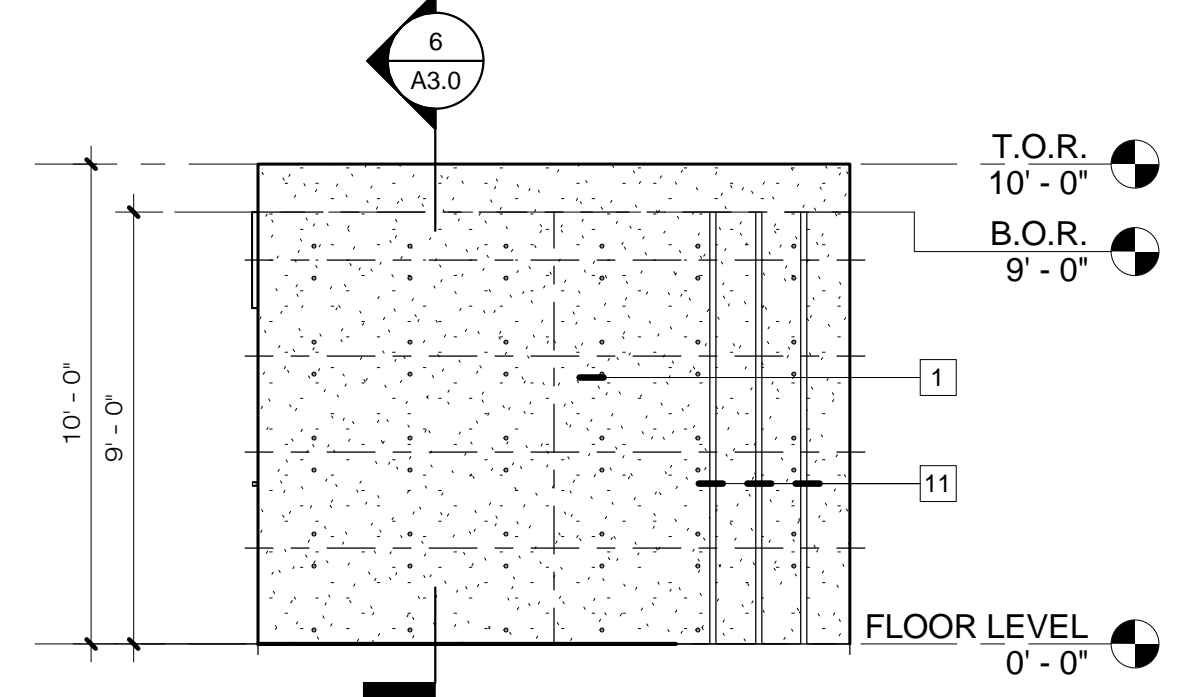
**1 FRONT ELEVATION - South**  
1/4" = 1'-0"



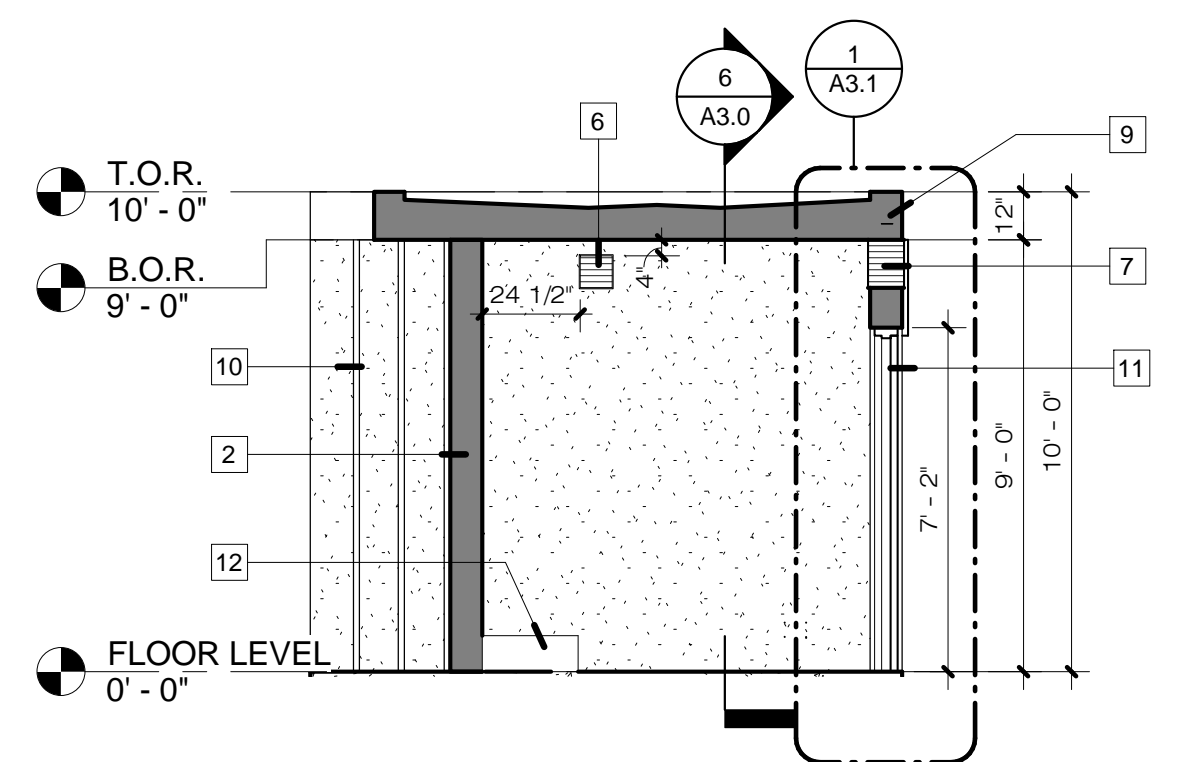
**2 REAR ELEVATION - North**  
1/4" = 1'-0"



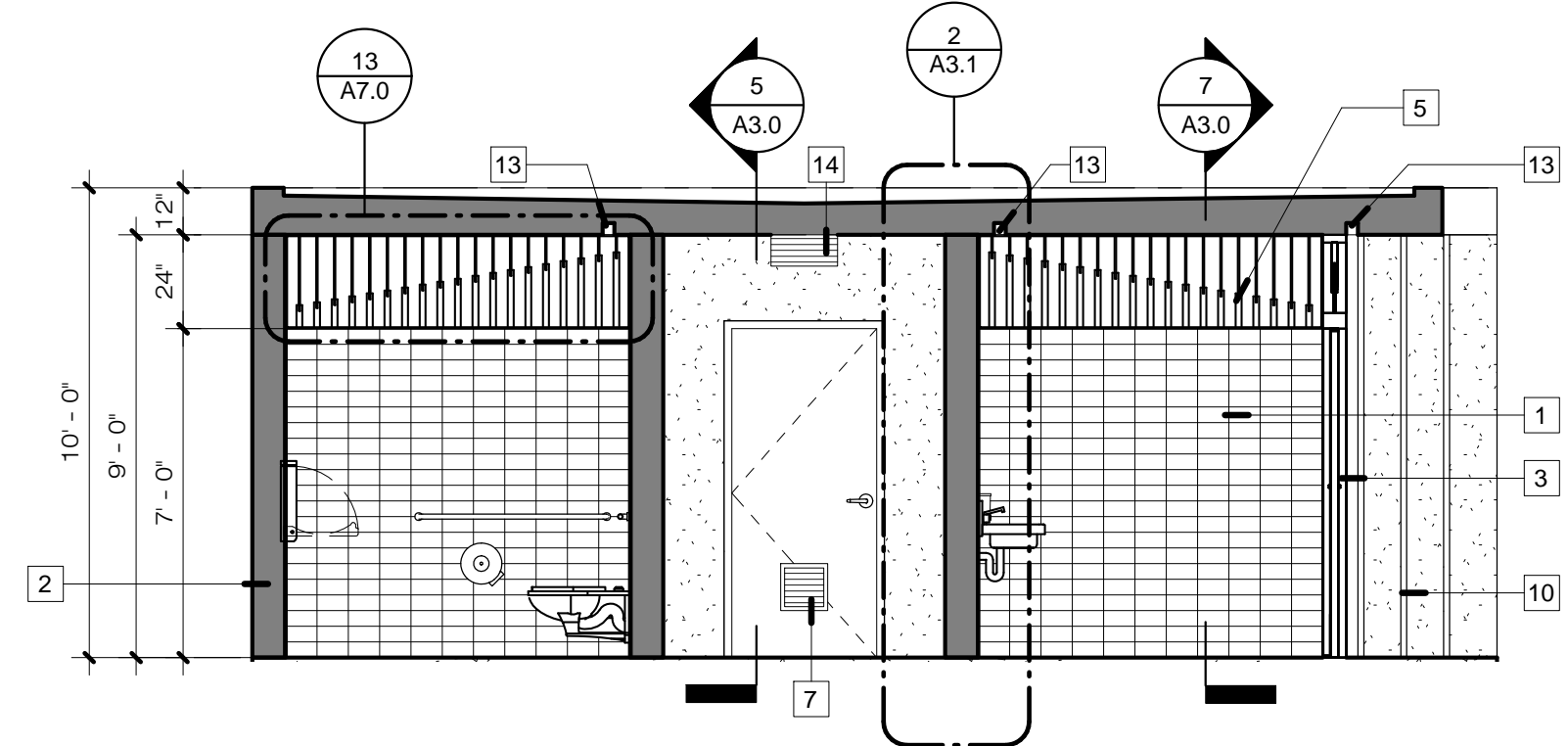
**3 SIDE ELEVATION - East**  
1/4" = 1'-0"



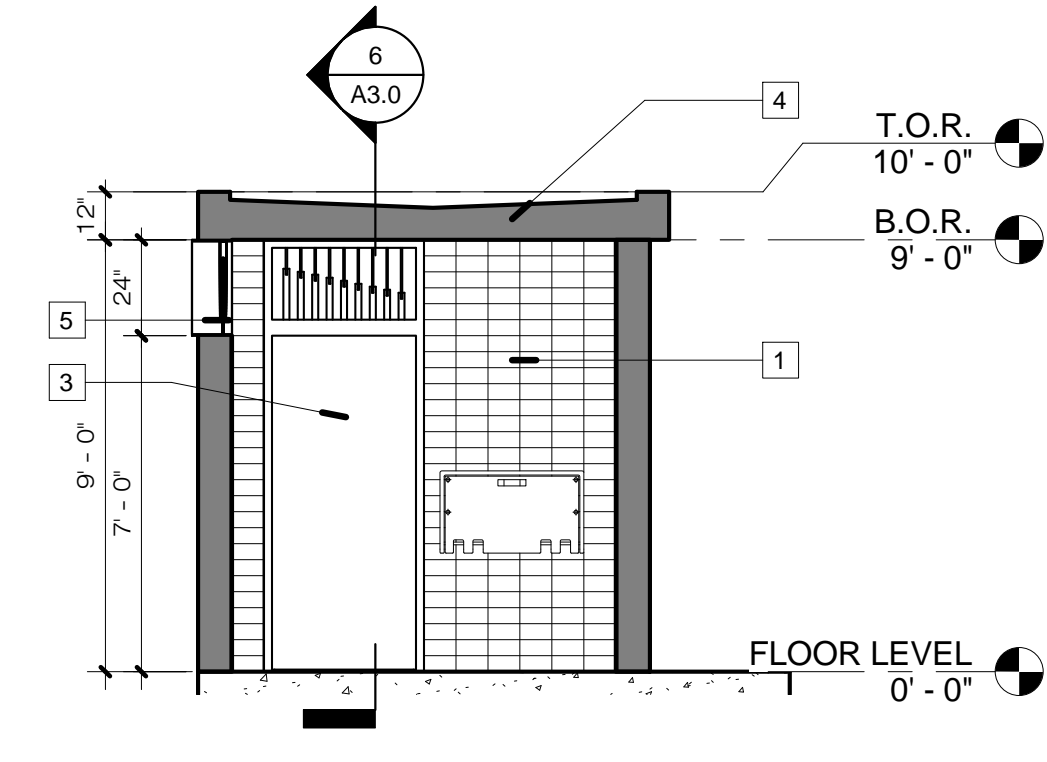
**4 SIDE ELEVATION - West**  
1/4" = 1'-0"



**5 SECTION 1**  
1/4" = 1'-0"



**6 SECTION 2**  
1/4" = 1'-0"



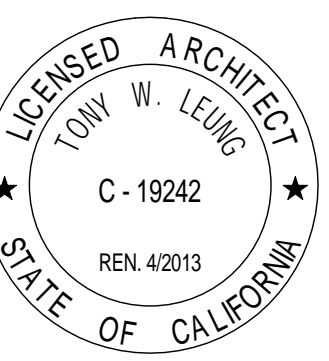
**7 SECTION 3**  
1/4" = 1'-0"

ELEVATIONS NOTES	
1	CONC. WALL - CAST IN PLACE FINISH TYP. SEE A2.1 FOR CONCRETE FORM & PATTERN DETAILS
2	12x12 MTL. LOUVER SEAL ALL AROUND TYP.
3	EXTERIOR MTL. DOOR (FOR DUPONT COURTS RESTROOMS DOOR SWINGS OUT IN OPPOSITE DIRECTION, SEE FLOOR PLAN A2.0DP)
4	MTL. DOOR
5	MTL. WINDOW GRILL
6	4x8 TILE TYP. PT-2 (CONTRAST): 5514/ AZUL ATLAS
7	17x8 MTL. LOUVER, S.M.D. SEAL ALL AROUND TYP.
8	UTILITY DUCT (FOR ELECTRICAL OUTLET USE ONLY) SEE 4/A3.1
9	WOMEN'S ID SIGN.
10	MEN'S ID SIGN.
11	CONC. WALL 1 1/2" SLITS, SEE SHEET A8.0 FOR DETAILS.
12	PADLOCK BOX. SEE 3/A7.0

SECTIONS NOTES	
1	4x8 TILE TYP.
2	CONC. WALL - CAST IN PLACE TYP. S.S.D.
3	MTL. DOOR
4	CONC. ROOF SLAB
5	MTL. WINDOW GRILL
6	8x8 MTL. VENT. S.M.D. SEAL ALL AROUND TYP.
7	12x12 MTL. LOUVER SEAL ALL AROUND TYP.
9	CONC. WALL CURB
10	CONC. WALL 1 1/2" SLITS, SEE SHEET A8.0 FOR DETAILS.
11	EXTERIOR MTL. DOOR
12	FLOOR MOUNTED UTILITY SINK
13	RECESSED LIGH FIXTURE SEE 11/A8.0
14	17x8 MTL. LOUVER, S.M.D. SEAL ALL AROUND TYP.

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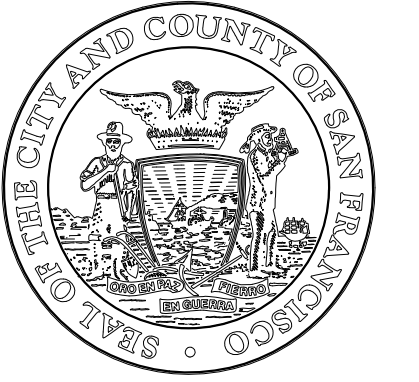


Drawing Title \_\_\_\_\_

**ELEVATIONS & SECTIONS**

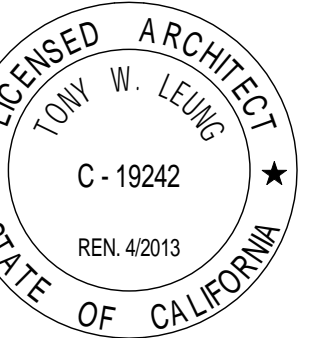
Sheet No. **A3.0**

Scale: 1/4" = 1'-0"  
Job No. **3092-V**



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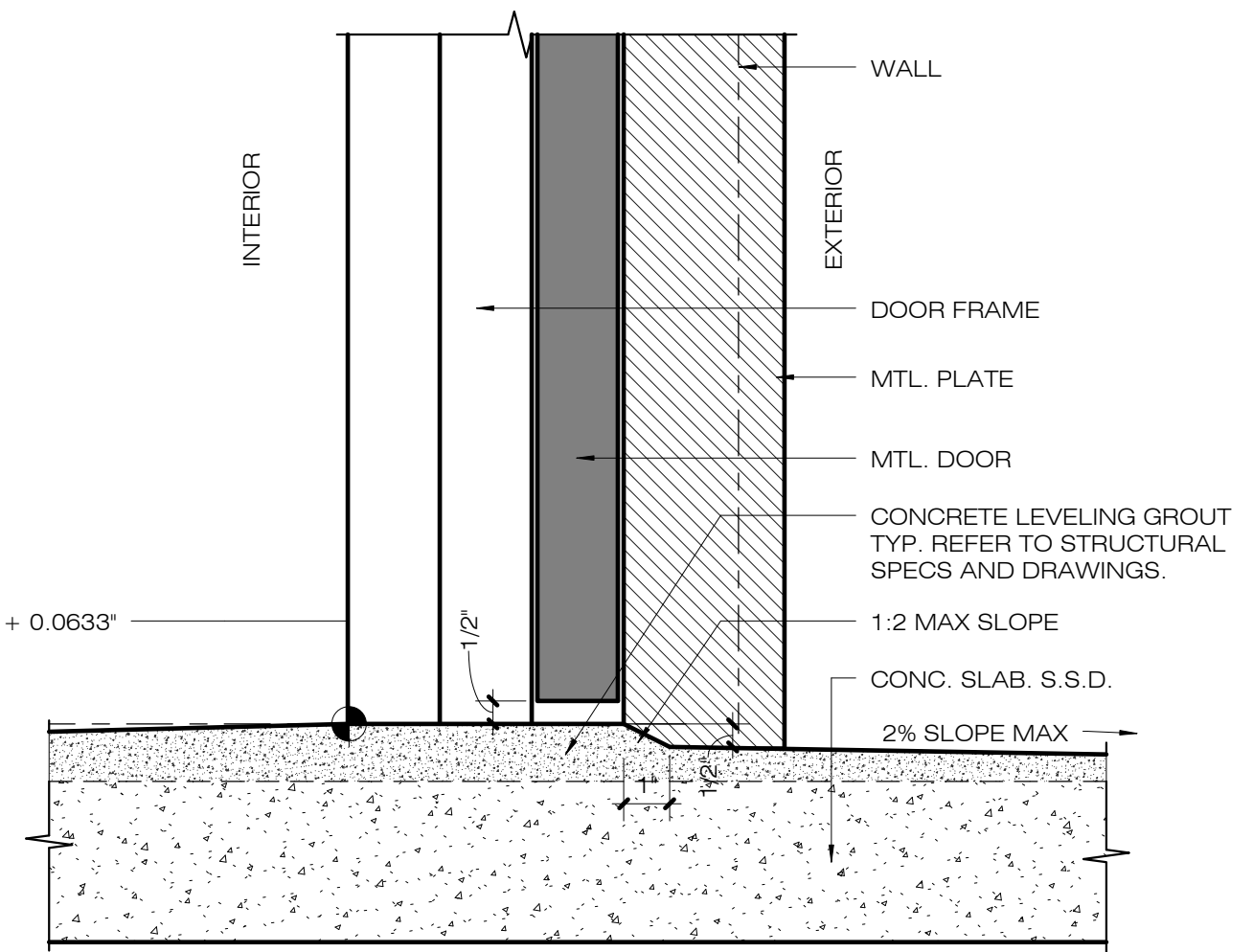


Drawing Title

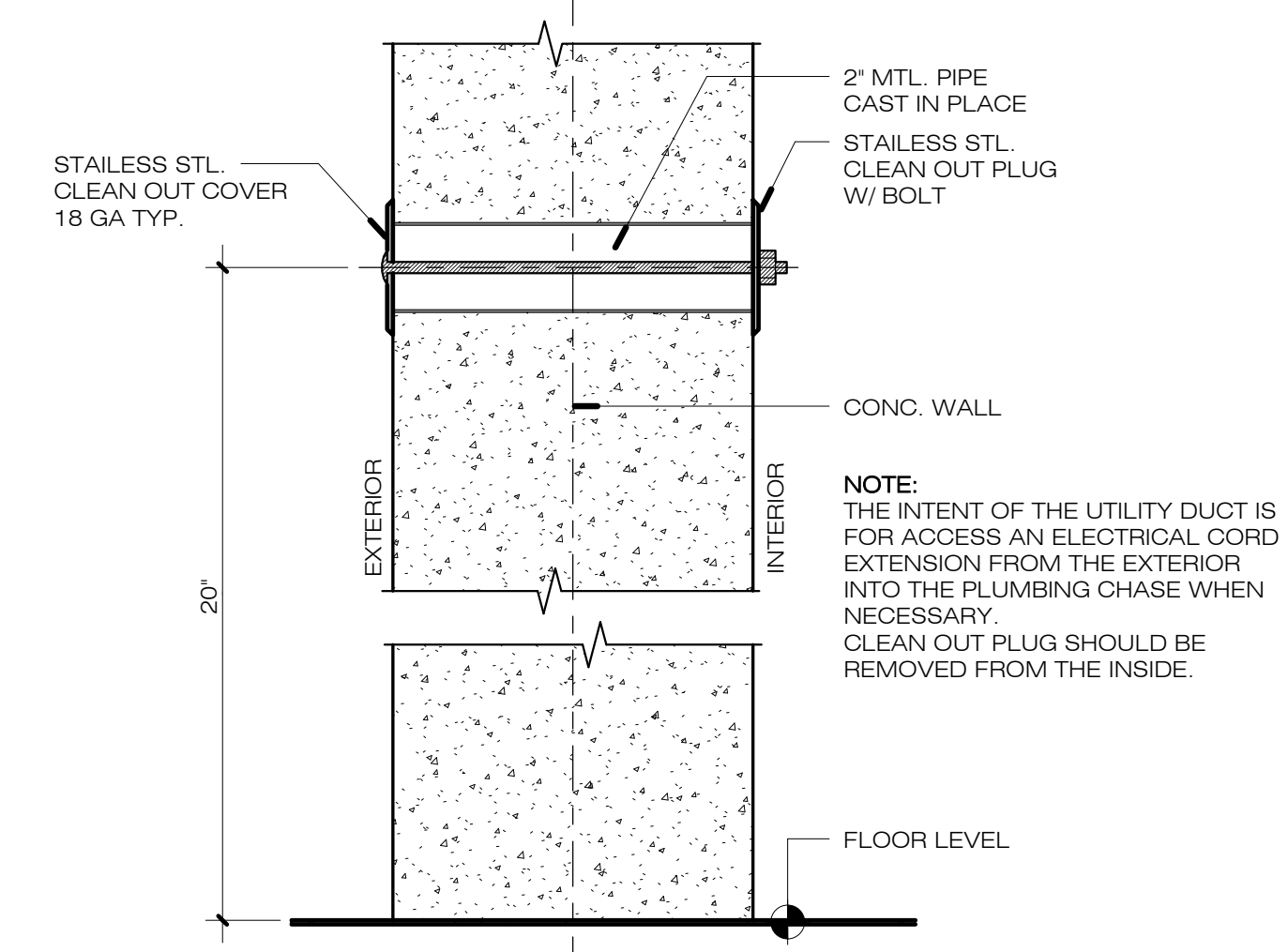
**WALL SECTIONS & DETAILS**

Sheet No. **A3.1**

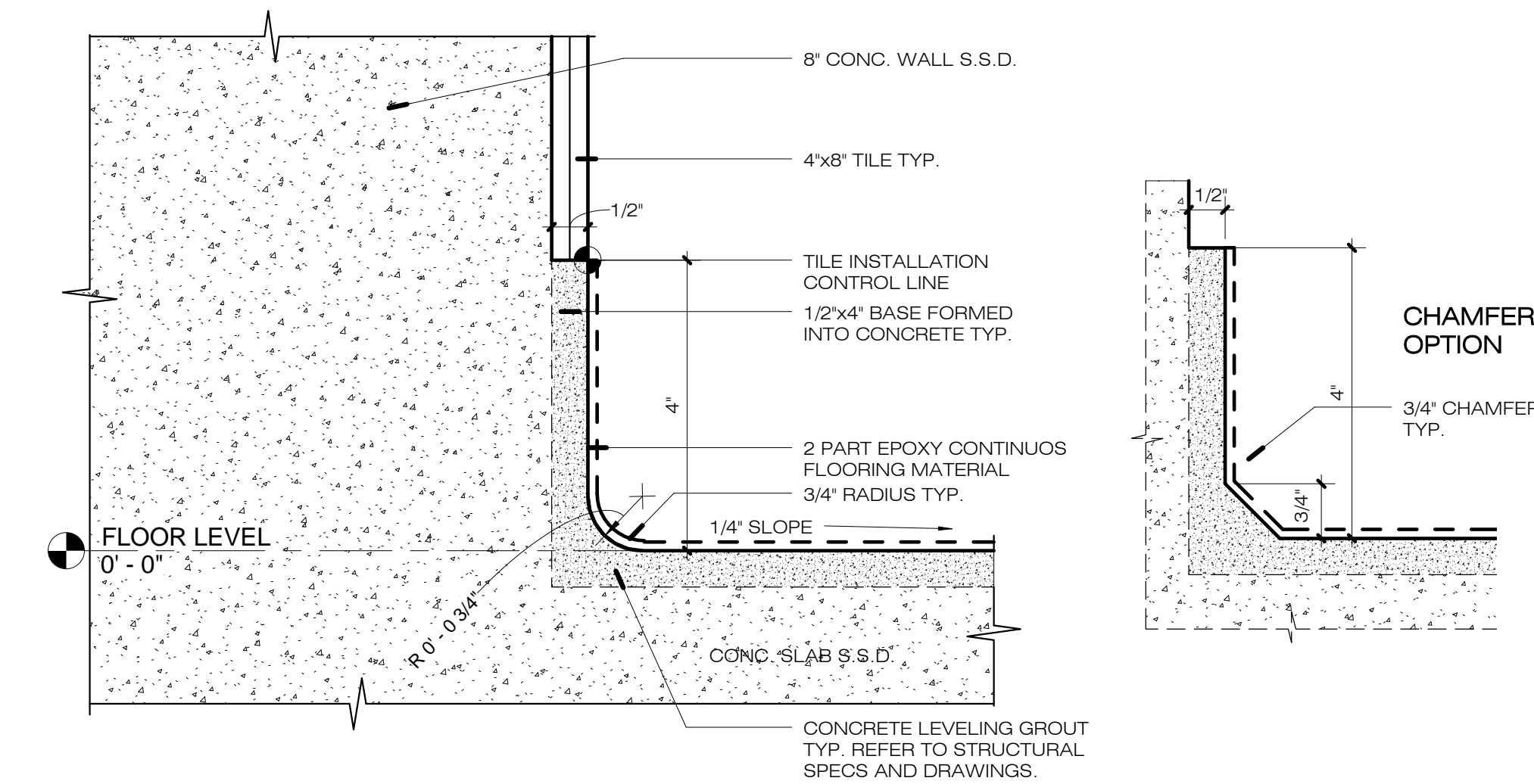
Scale: As indicated  
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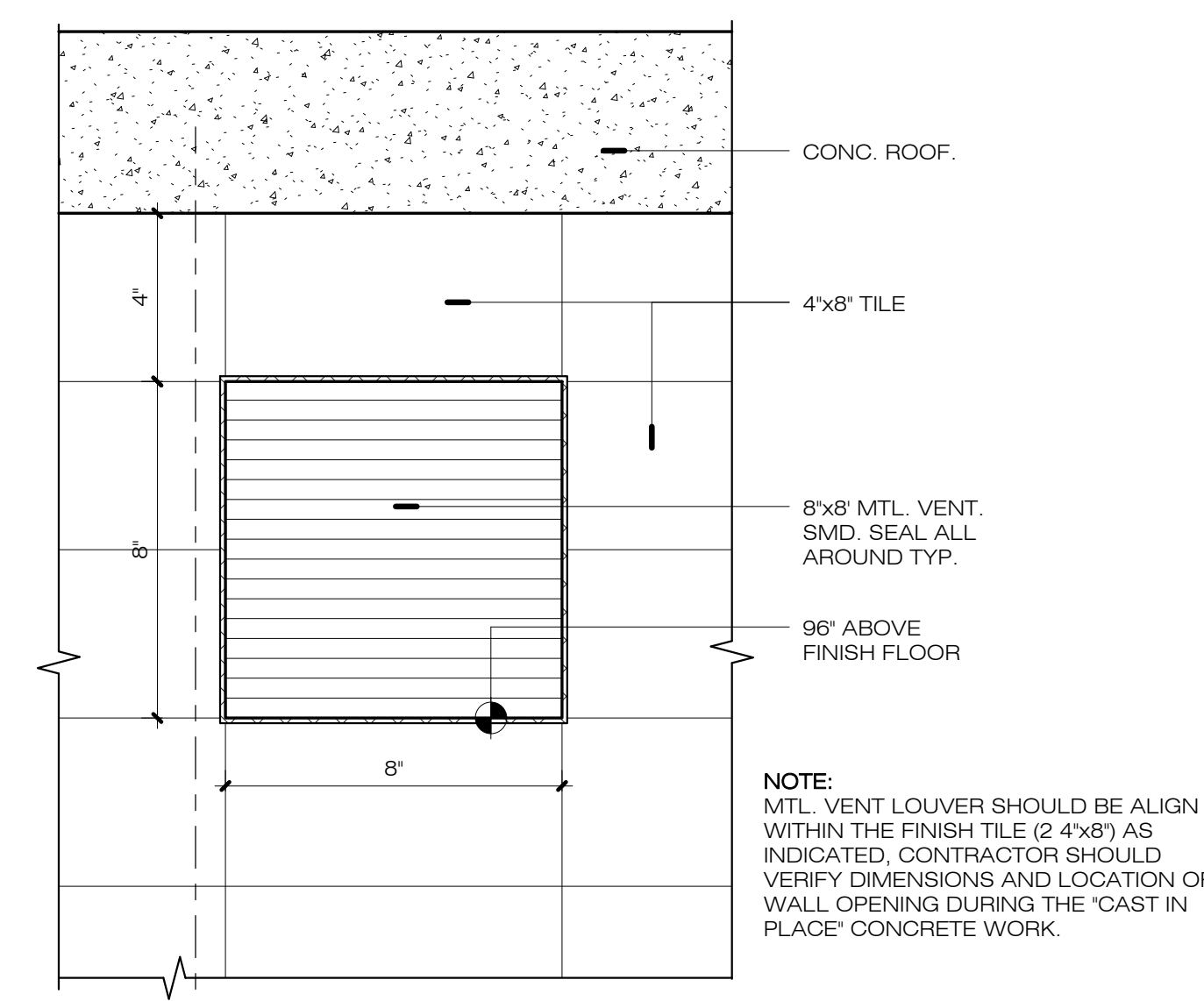
**5 THRESHOLD DETAIL**  
3" = 1'-0"



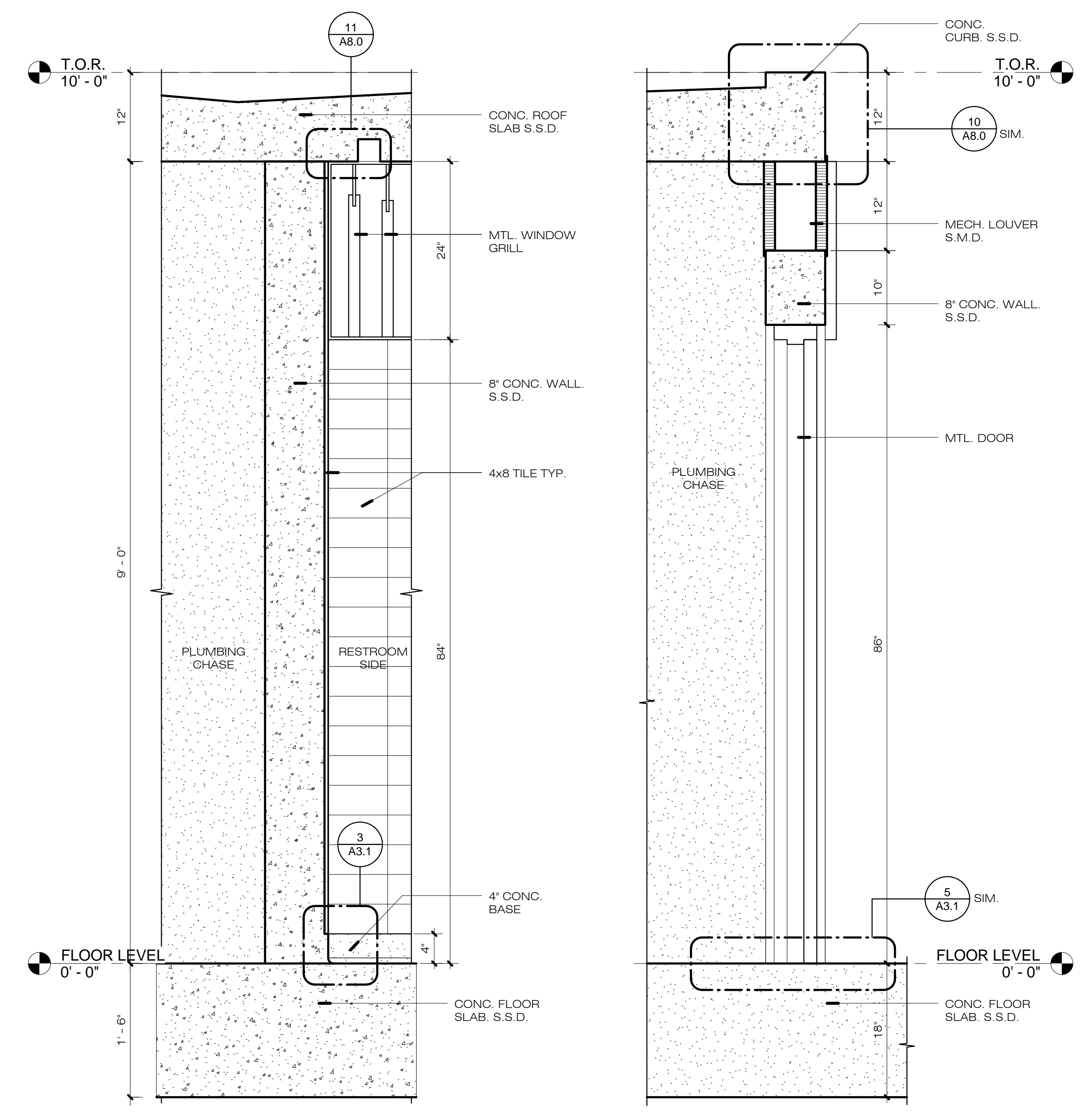
**4 UTILITY DUCT  
(FOR ELECTRICAL OUTLET USE ONLY)**  
3" = 1'-0"



**3 CONC. FLOOR BASE DETAIL**  
6" = 1'-0"



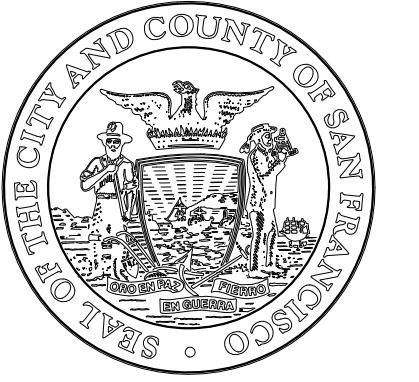
**6 MTL. VENT LOUVER DETAIL**  
3" = 1'-0"



**2 WALL SECTION 2**  
1" = 1'-0"

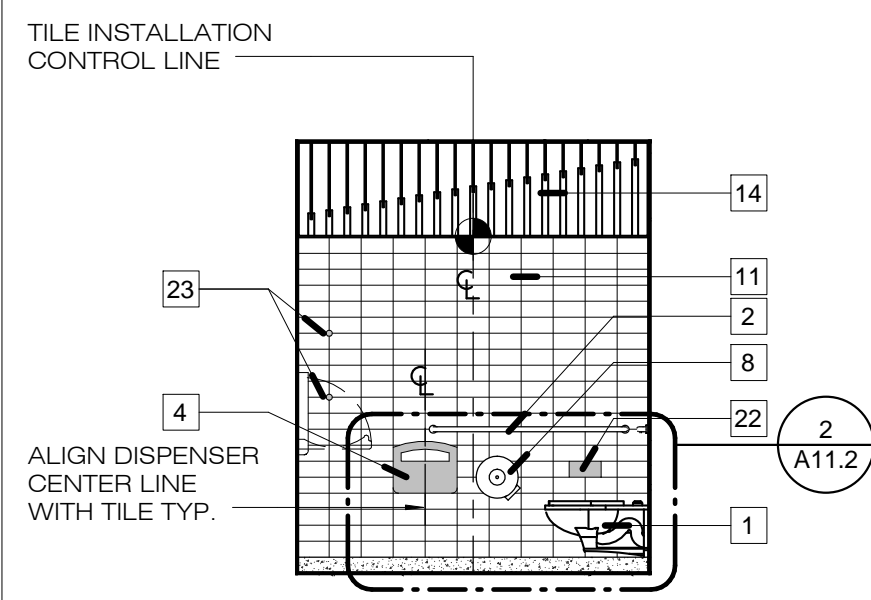
**1 WALL SECTION 1**  
1" = 1'-0"



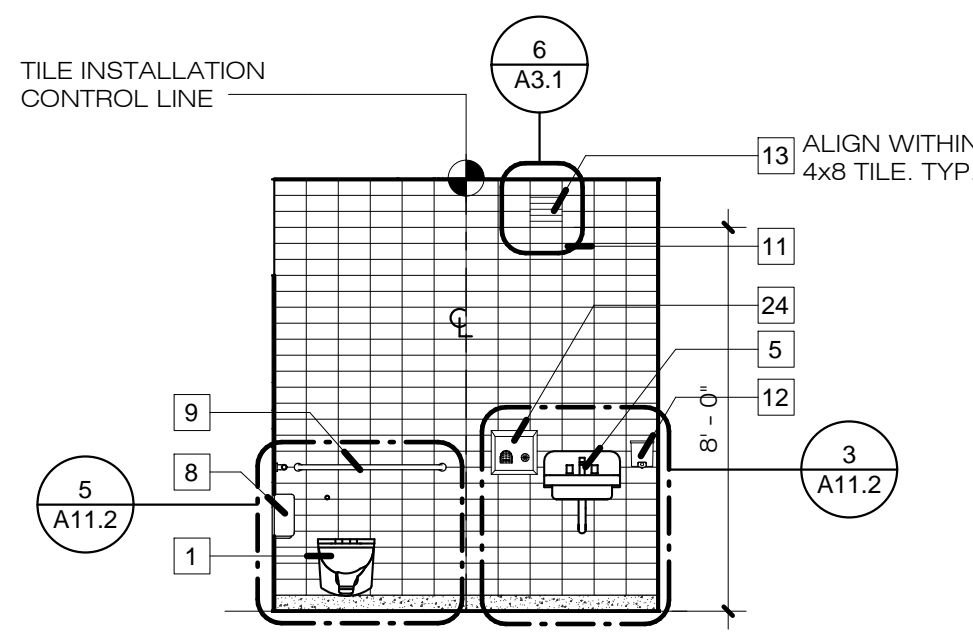


**INTERIOR ELEVATIONS NOTES**

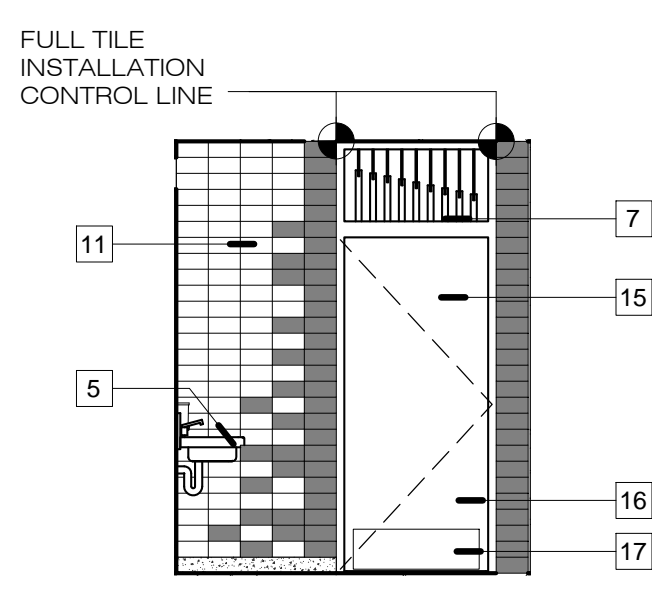
1	STAINLESS STL. WALL MOUNTED TOILET.
2	STAINLESS STL. GRAB BAR.
3	STAINLESS STL. TOILET
4	STAINLESS STL. TOILET SEAT COVER DISPENSER
5	STAINLESS STL. SINK
6	BABY CHANGING STATION
7	MTL. DOOR UPPER GRILL
8	STAINLESS STL. TOILET PAPER DISPENSER
9	STAINLESS STL. GRAB BAR.
10	BABY CHANGING STATION
11	4x8 TILE TYP.
12	SOAP DISPENSER
13	8x8 MTL. VENT. S.M.D. SEAL ALL AROUND TYP.
14	MTL. WINDOW GRILL
15	EXTERIOR MTL. DOOR
16	12x24 MTL. LOUVER
17	STAINLESS STL. KICKPLATE TYP
18	ELECTRICAL PANE. S.E.D.
19	UTILITY SINK. w/ STAINLESS STEEL BACKSPLASH. S.PD
20	CONC. FLOOR BASE TYP.
21	UTILITY DUCT (FOR ELECTRICAL OUTLET USE ONLY)
22	STAINLESS STL. SANITARY NAPKIN DISPENSER
23	COAT HOOK. ADA @ NON ADA.
24	ELECT. HANDRYER (O.F.C.I.)



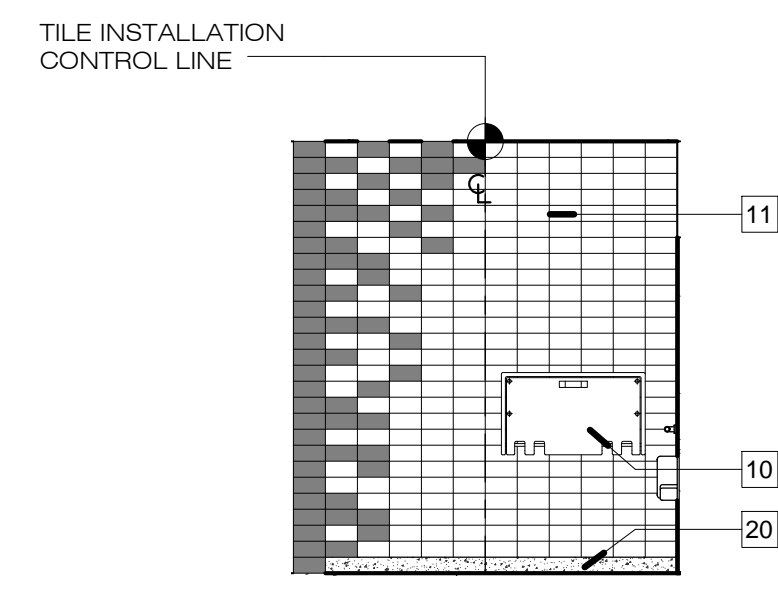
**1 WOMEN'S A**  
1/4" = 1'-0"



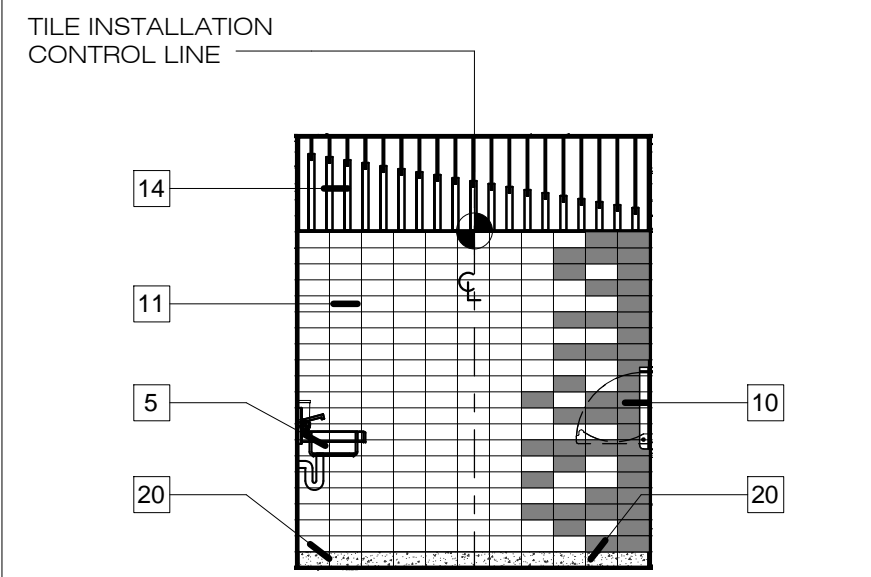
**2 WOMEN'S B**  
1/4" = 1'-0"



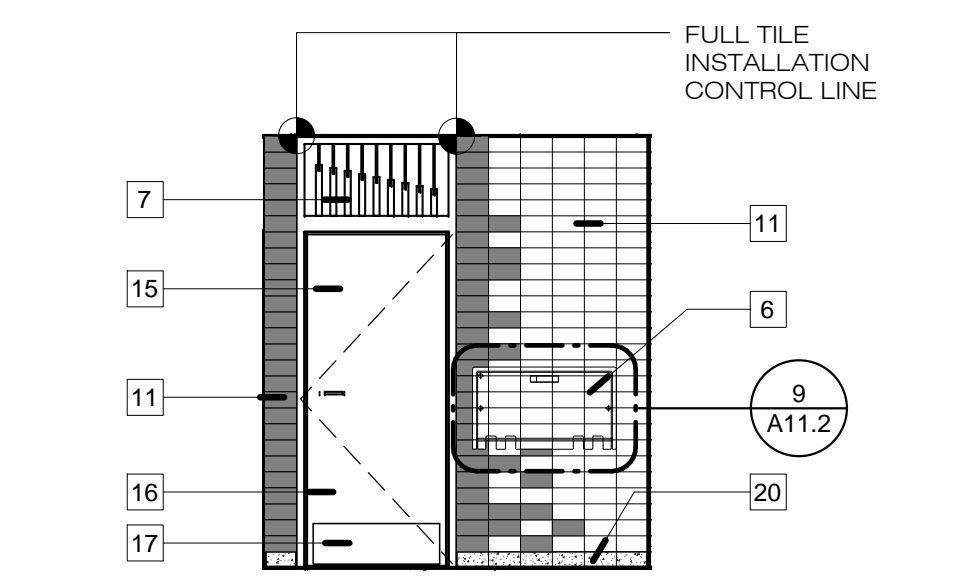
**3 WOMEN'S C**  
1/4" = 1'-0"



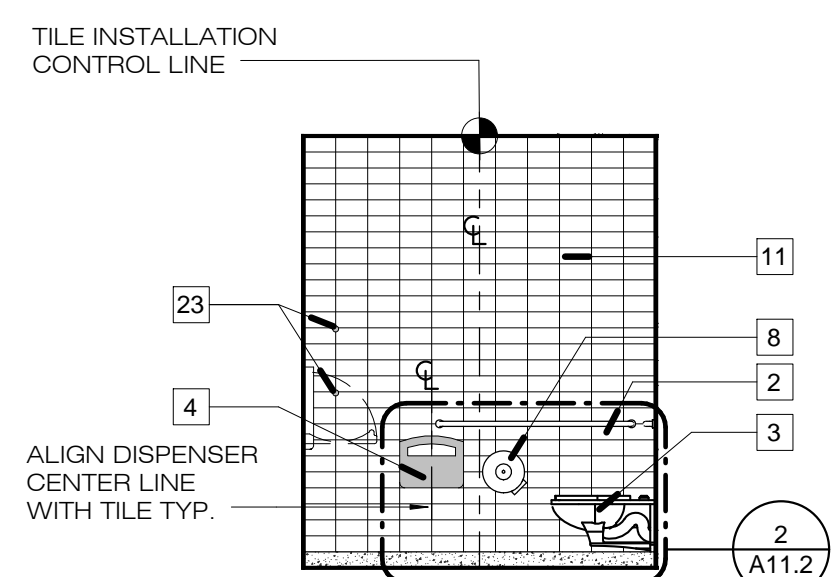
**4 WOMEN'S D**  
1/4" = 1'-0"



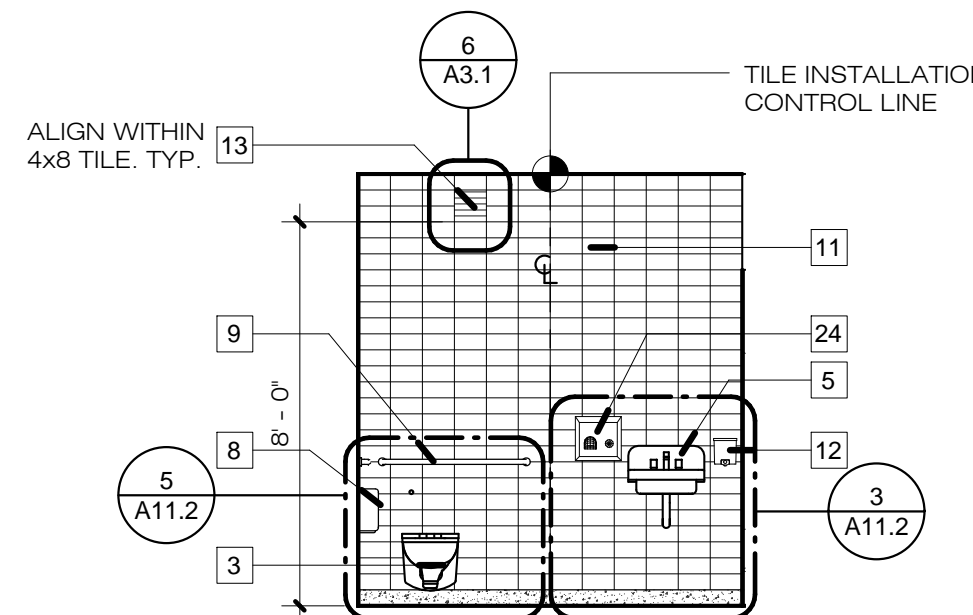
**5 MEN'S A**  
1/4" = 1'-0"



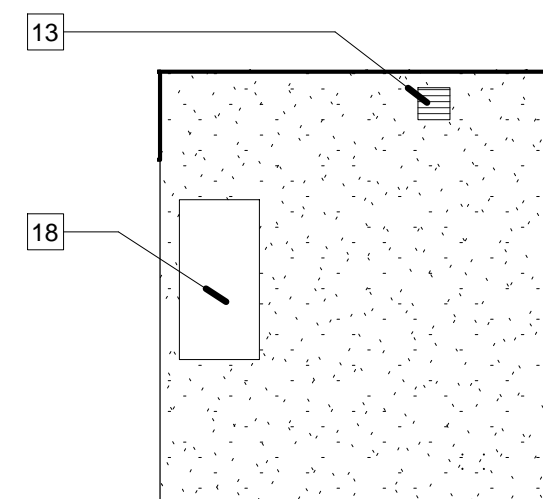
**6 MEN'S B**  
1/4" = 1'-0"



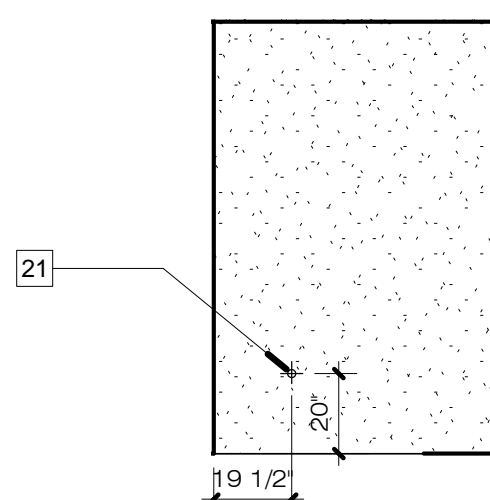
**7 MEN'S C**  
1/4" = 1'-0"



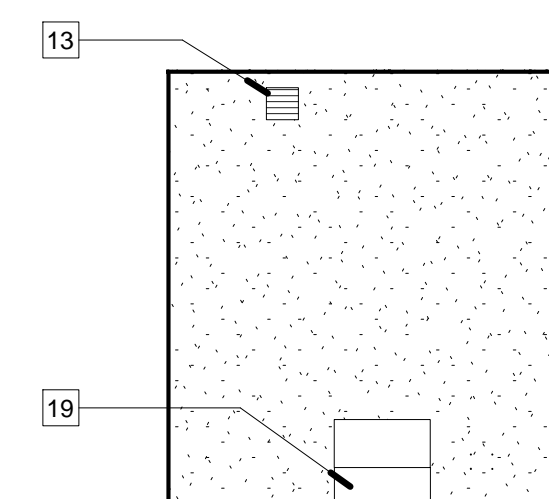
**8 MEN'S D**  
1/4" = 1'-0"



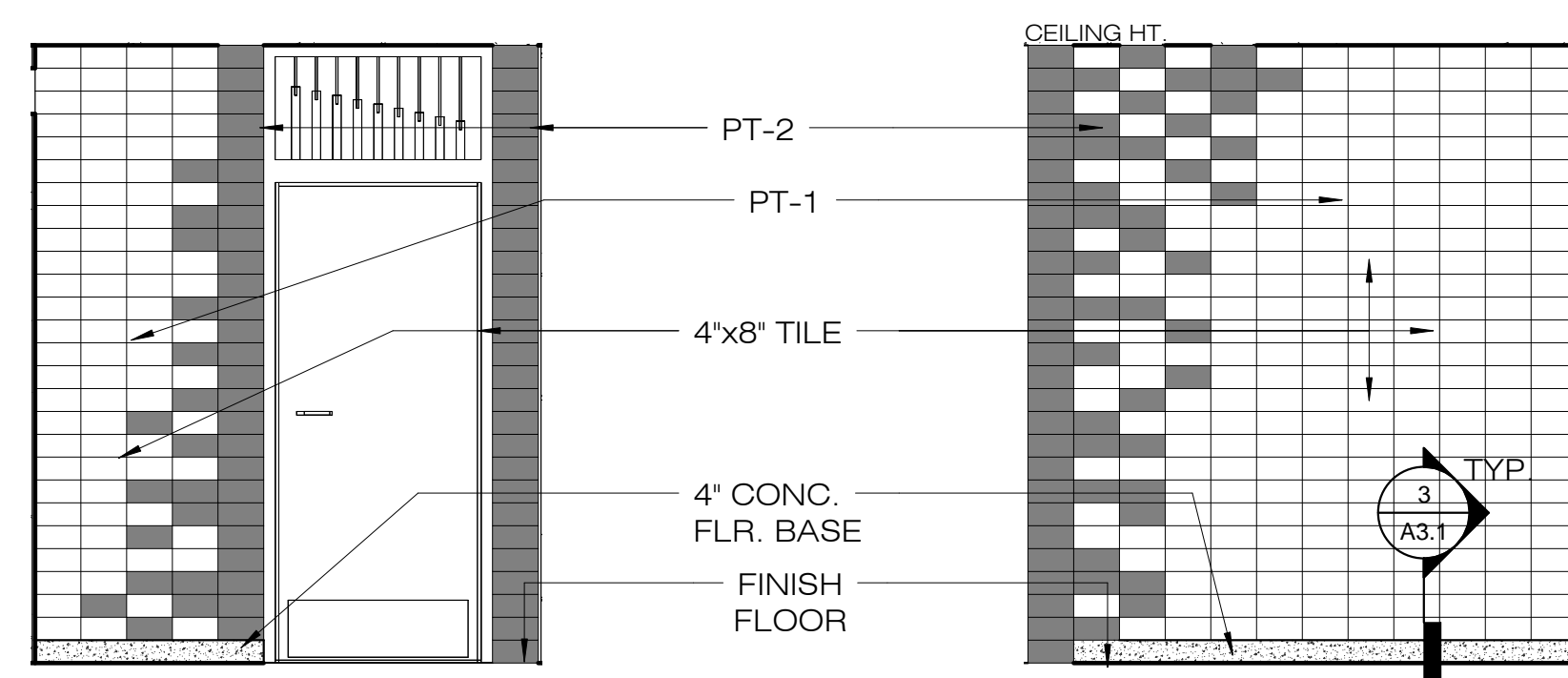
**9 PLUMBING CHASE 1**  
1/4" = 1'-0"



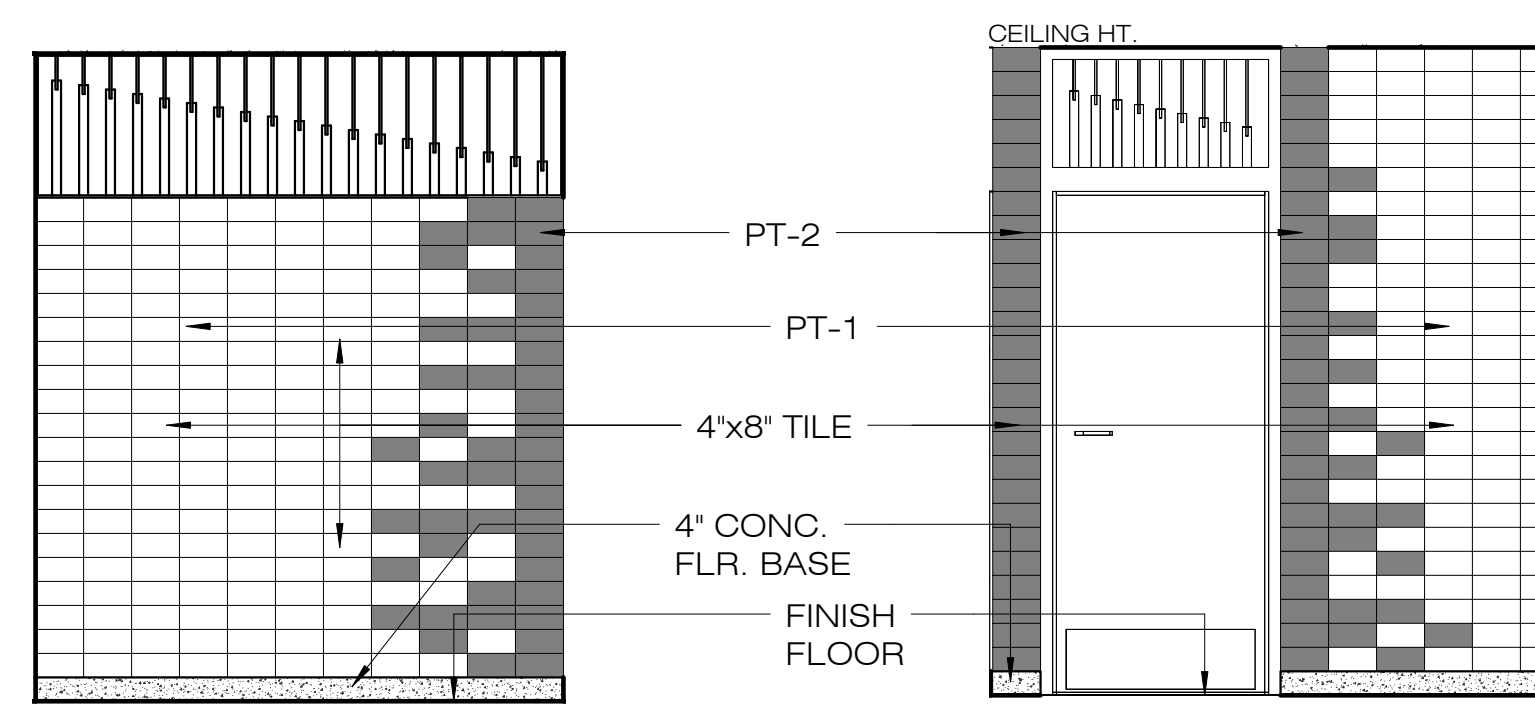
**10 PLUMBING CHASE 2**  
1/4" = 1'-0"



**15 PLUMBING CHASE 3**  
1/4" = 1'-0"



**11 WOMEN'S - INTERIOR TILE PATTERN**  
3/8" = 1'-0"



**13 MEN'S - INTERIOR TILE PATTERN**  
3/8" = 1'-0"

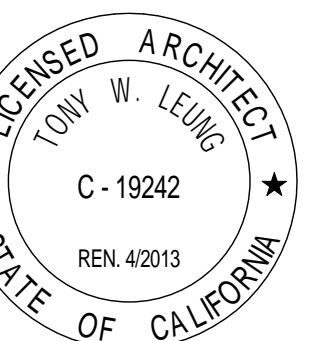
**TILE LEGEND:**  
TILE COLOR SELECTION IS DETERMINED BY SITE, FOLLOW SCHEDULE BELOW.

PT-1 (BASE): 5500/ BRANCO  
PT-2 (CONTRAST): 5514/ AZUL ATLAS

(PT= PORCELAIN TILE)

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**INTERIOR ELEVATIONS**

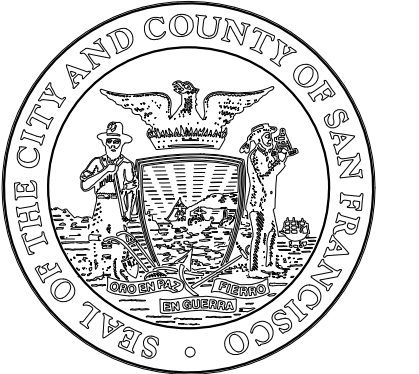
Sheet No. \_\_\_\_\_

**A4.0**

Job No. \_\_\_\_\_

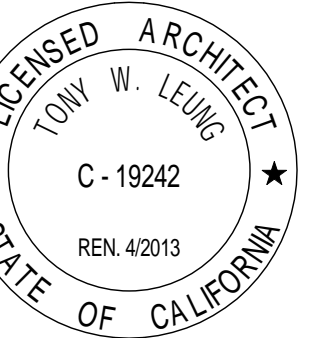
3092-V

Scale: As indicated



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Drawn	A.P.
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title

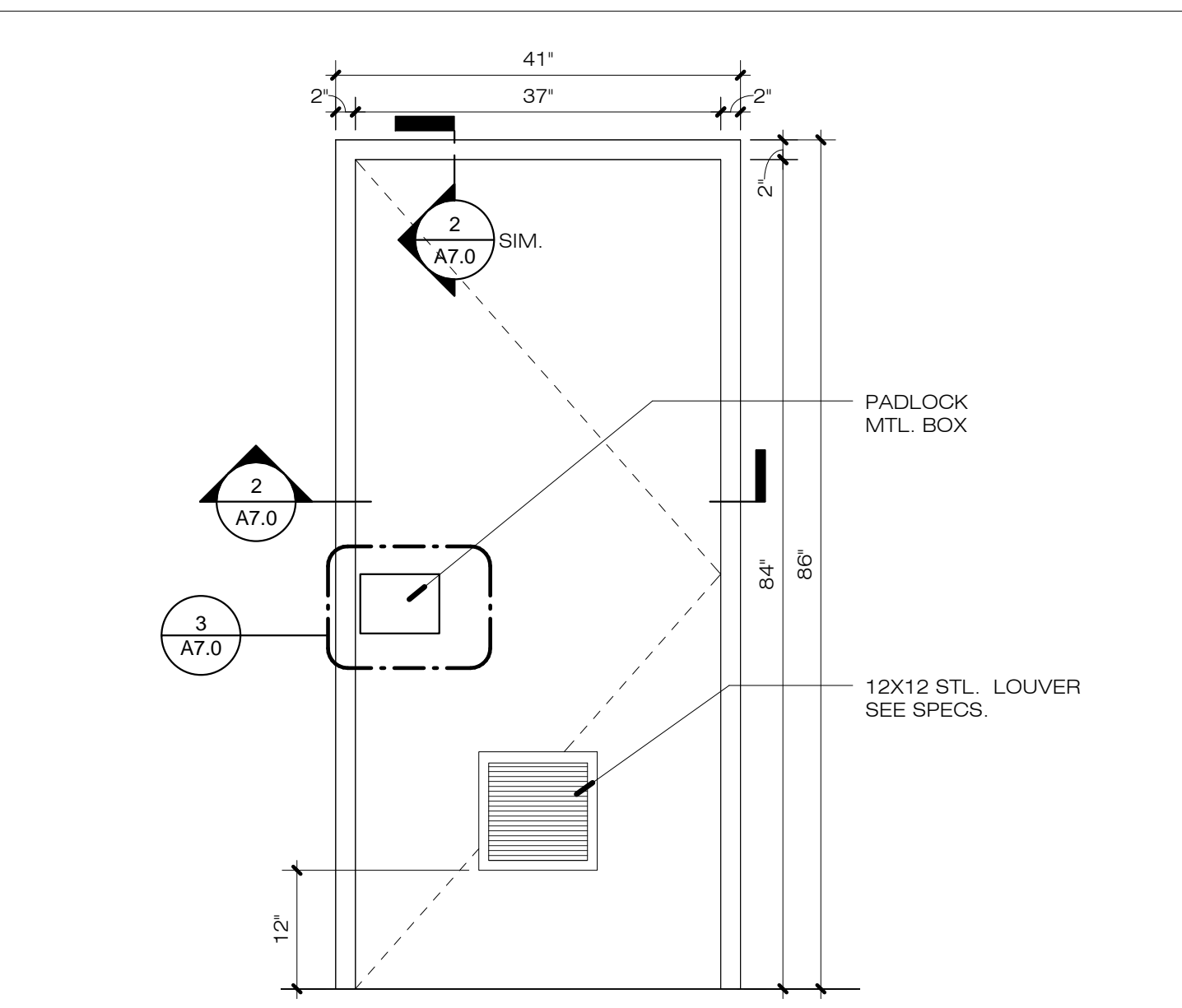
DOOR & WINDOW DETAILS

Sheet No.

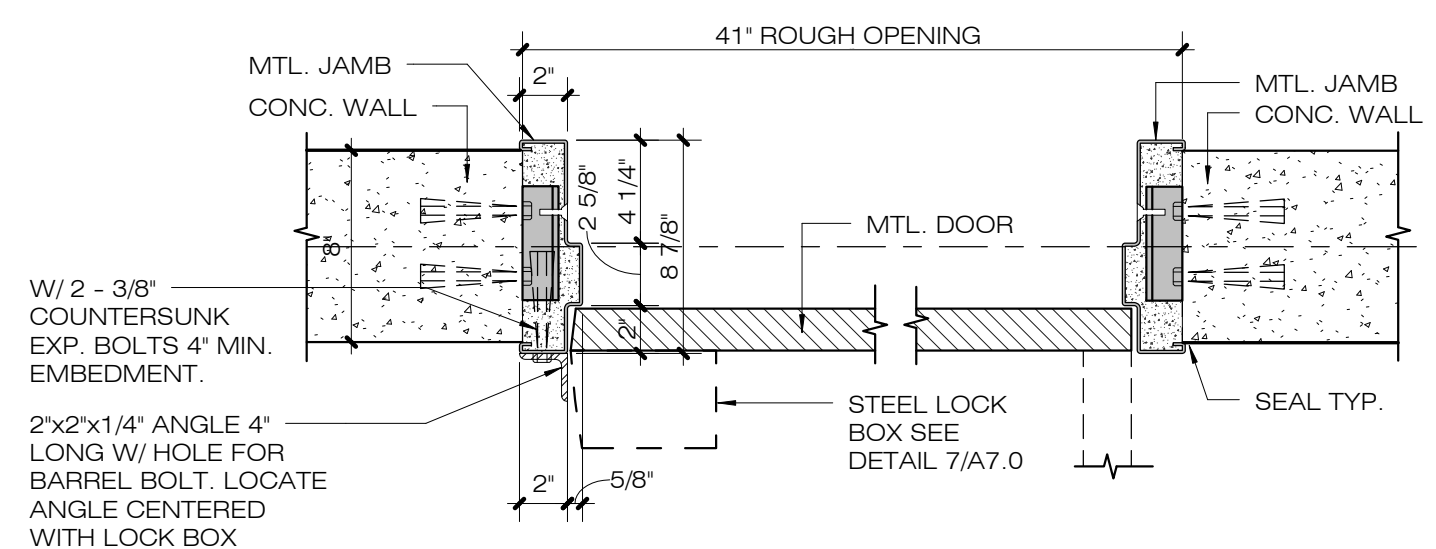
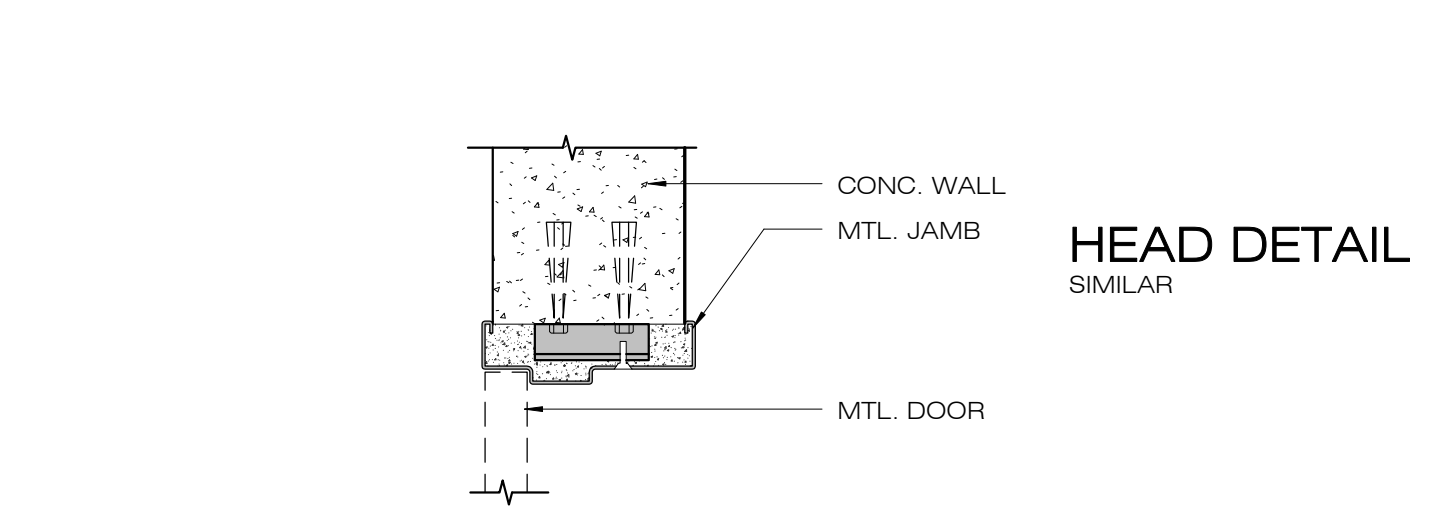
A7.0

Scale: As indicated

Job No. 3092-V

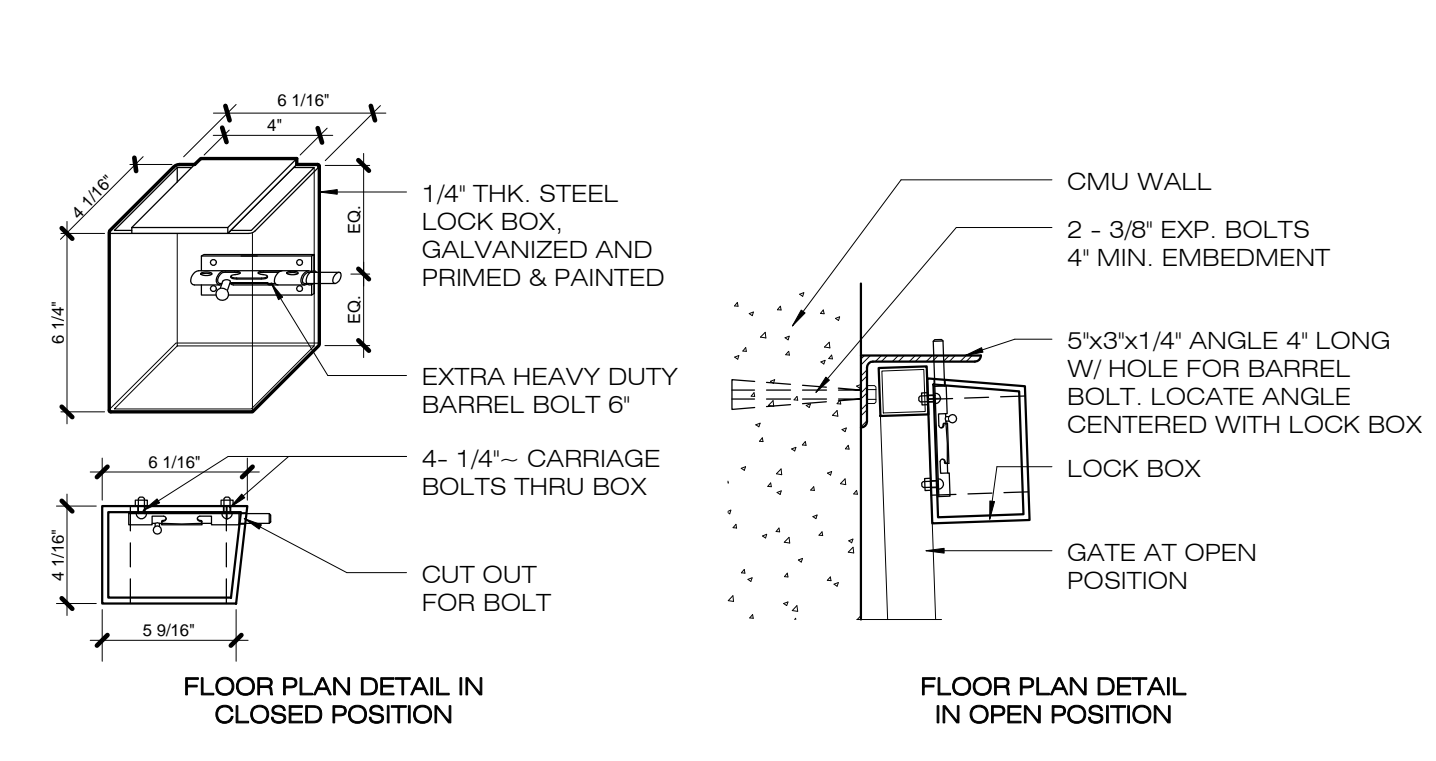


**1 EXTERIOR MTL. DOOR**  
3/4" = 1'-0"

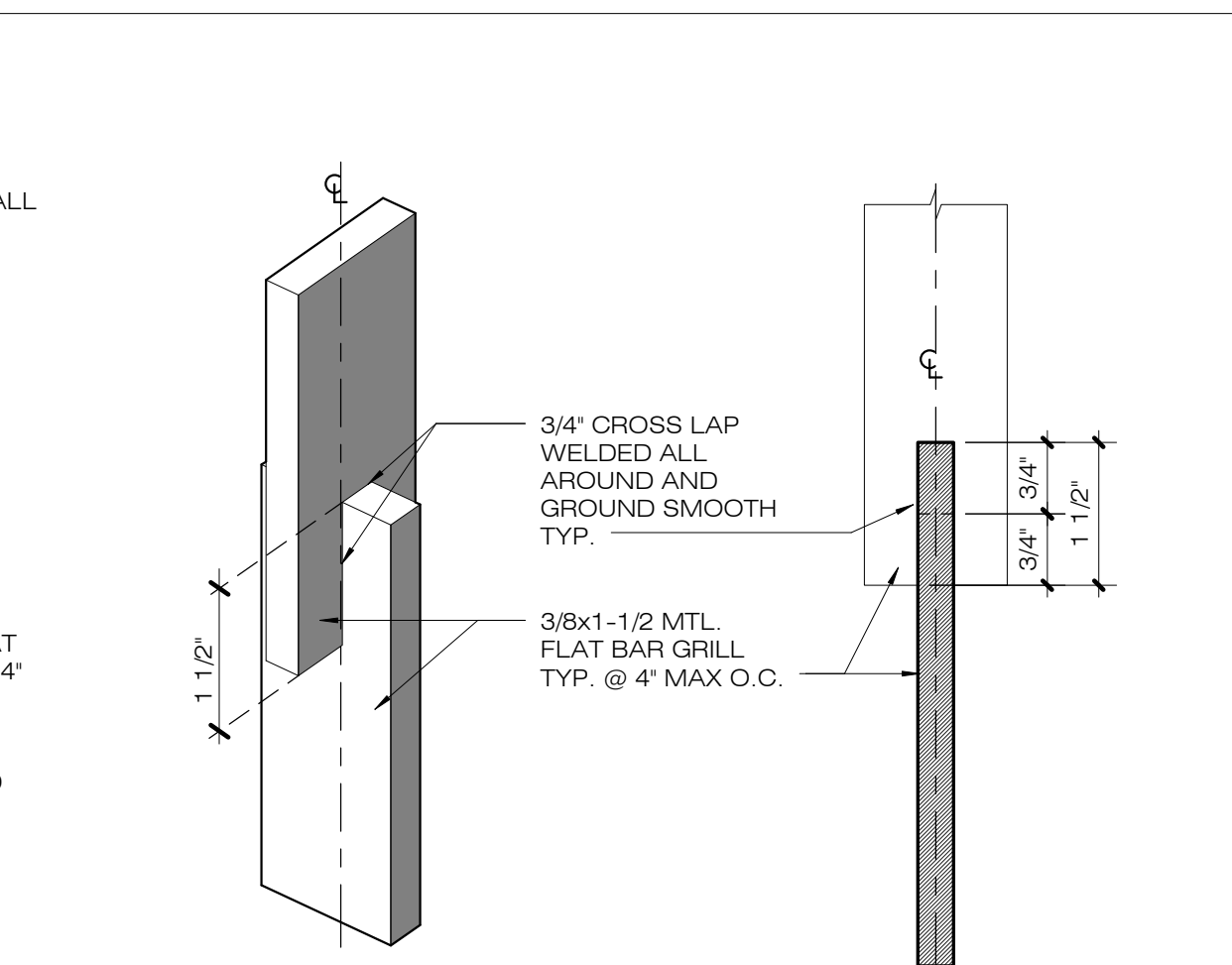


**2 MTL. DOOR JAMB/ HEAD DETAIL**  
1 1/2" = 1'-0"

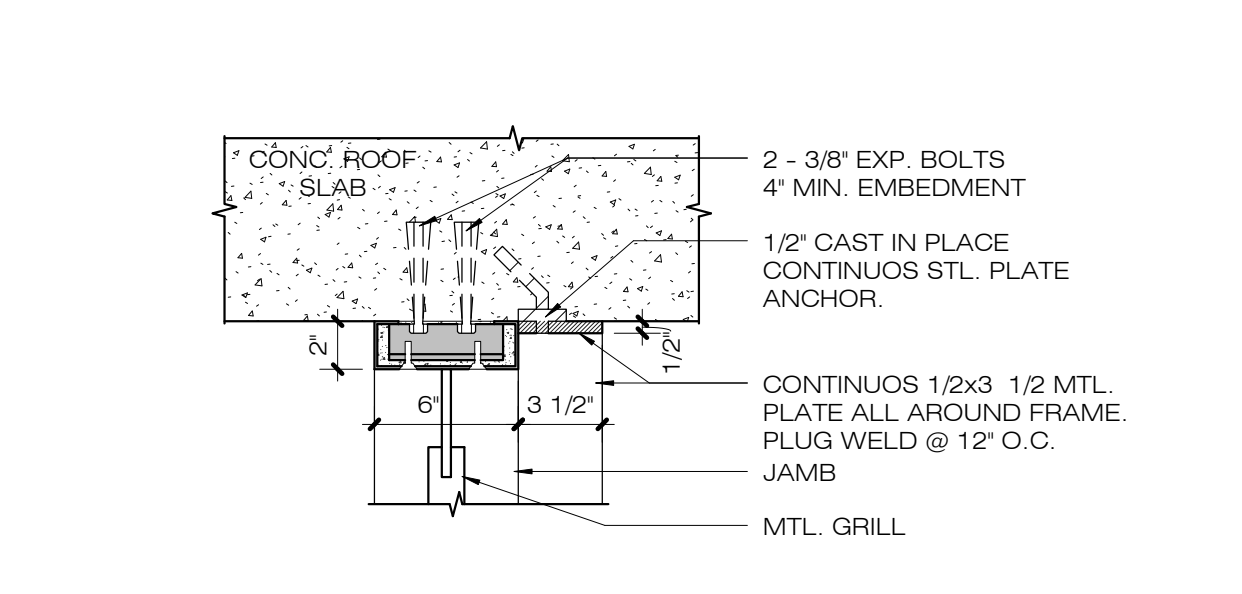
**NOTE:** PAD LOCK SHOULD BE INSTALLED AT 34" MIN. FROM THE FLOOR & 44" MAX TO TOP OF BOX TYP.



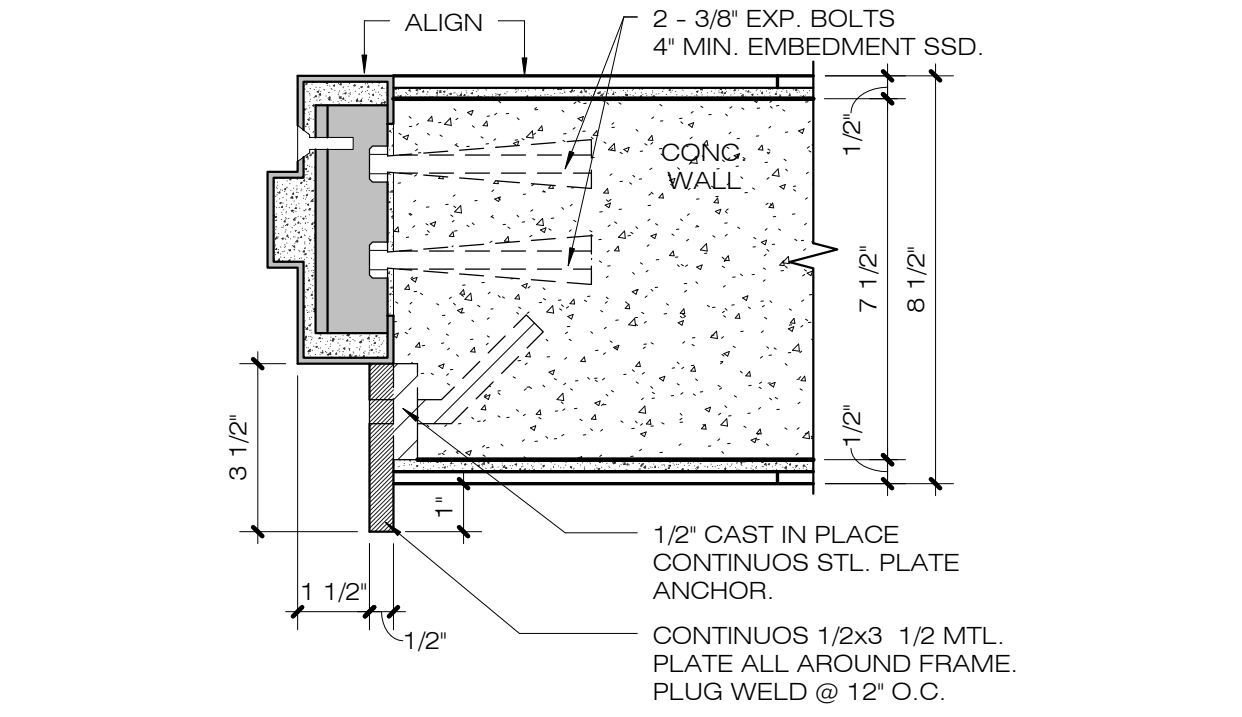
**3 PADLOCK BOX DET. TYP.**  
1 1/2" = 1'-0"



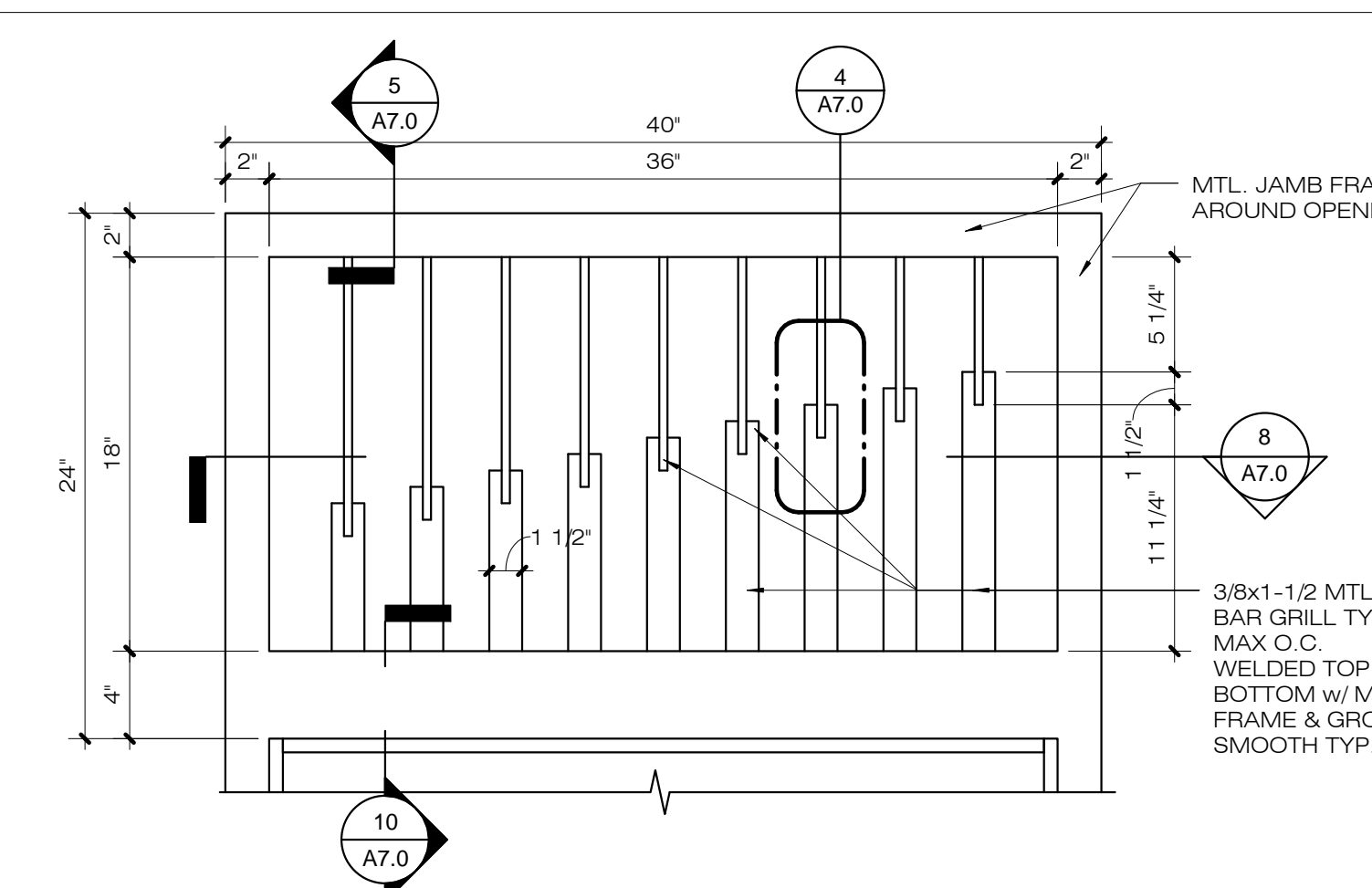
**4 MTL GRILL DETAIL**  
6" = 1'-0"



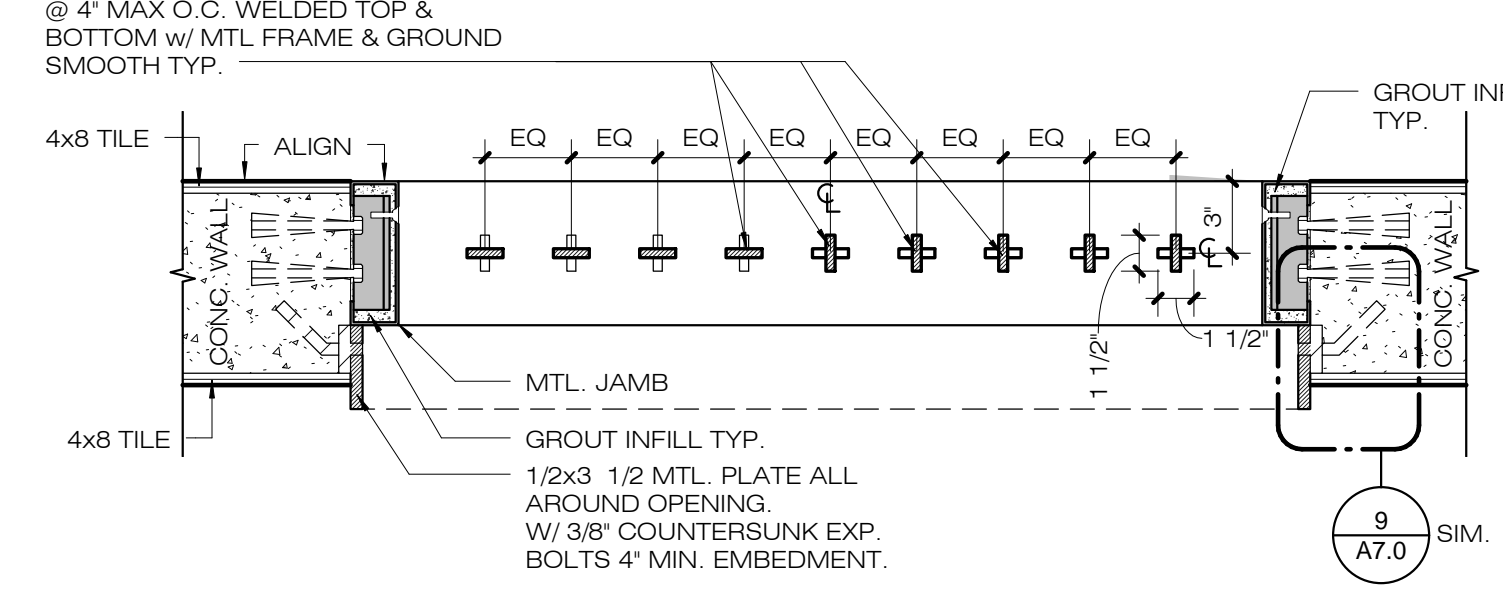
**5 MTL WINDOW - HEAD DETAIL**  
1 1/2" = 1'-0"



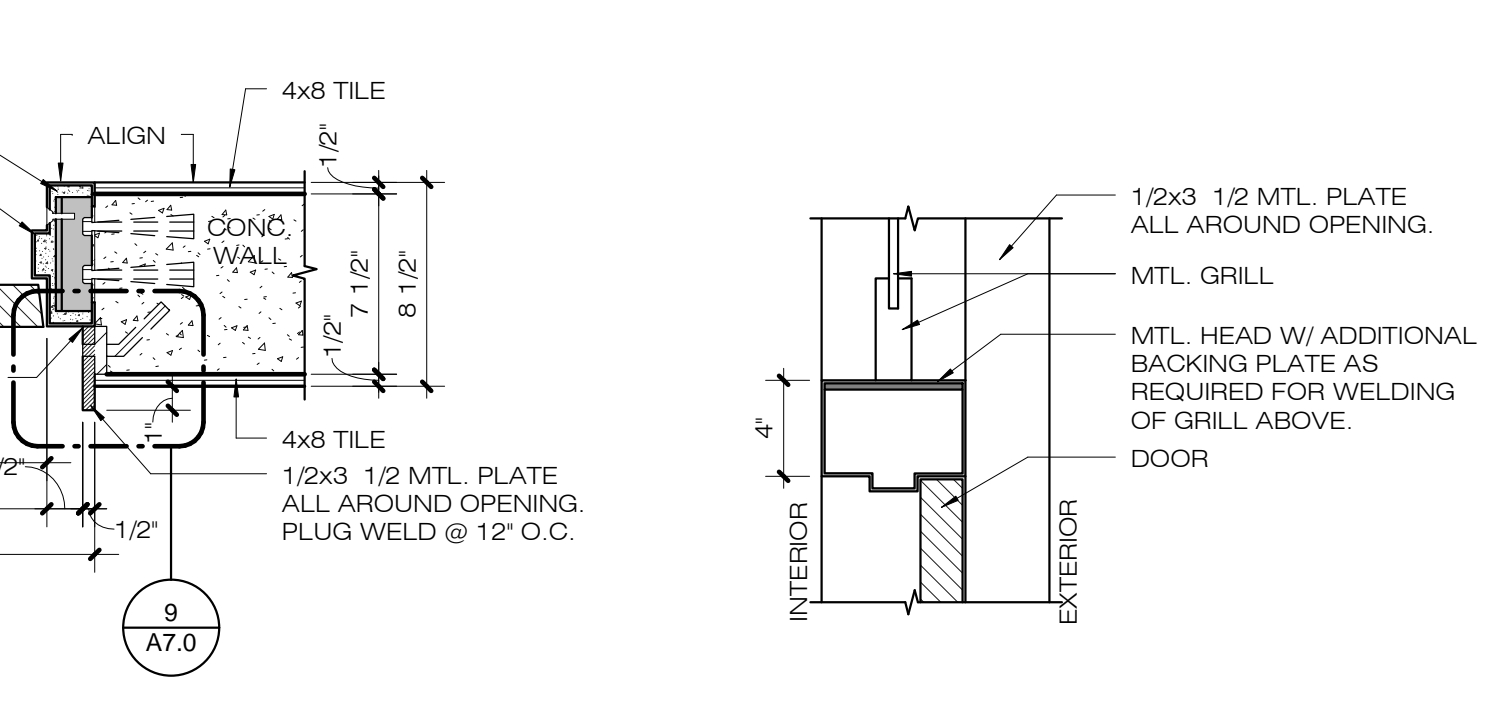
**6 MTL. GRILL WIND. DETAIL**  
1 1/2" = 1'-0"



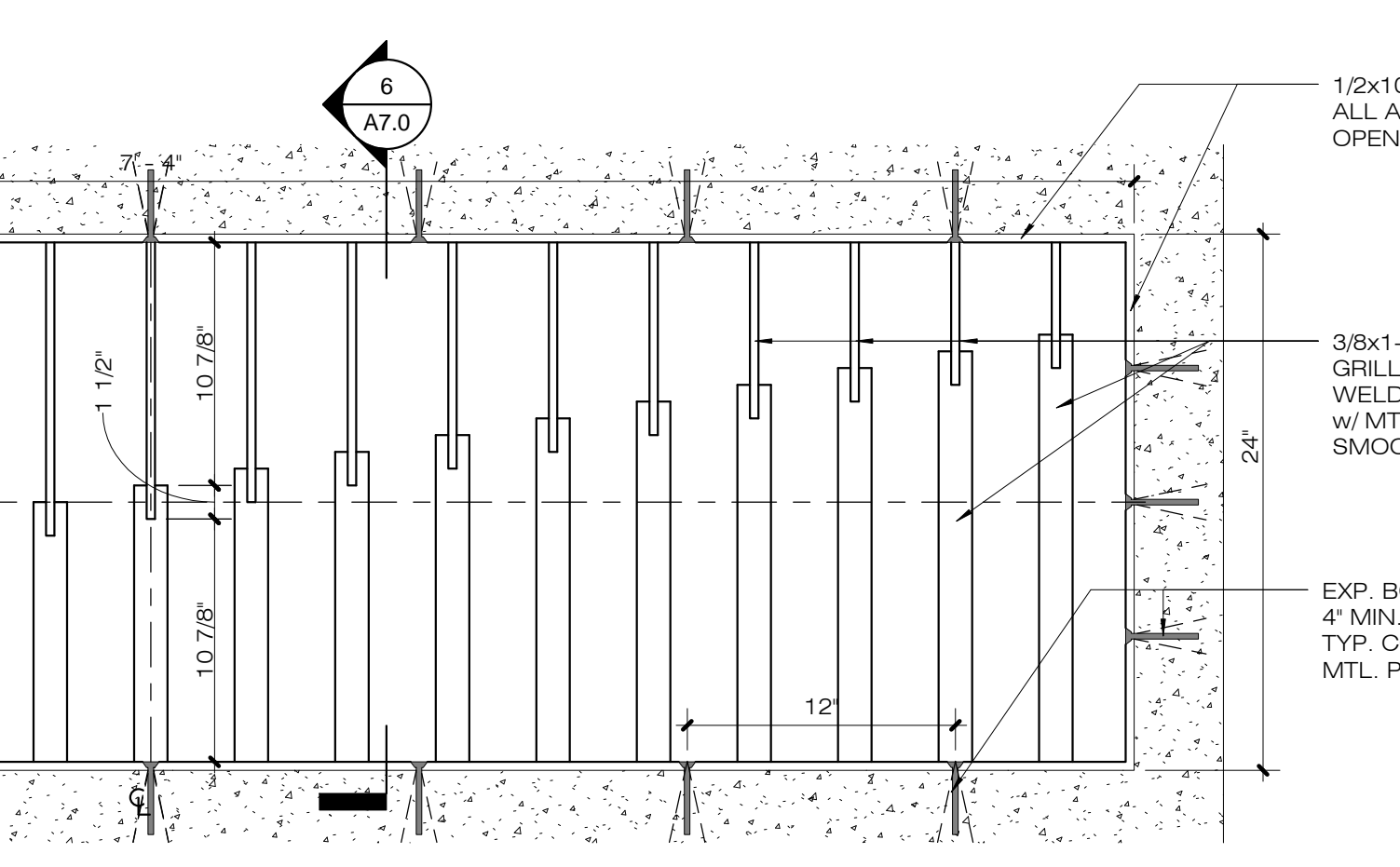
**7 MTL. GATE DETAIL - UPPER GRILL**  
1 1/2" = 1'-0"



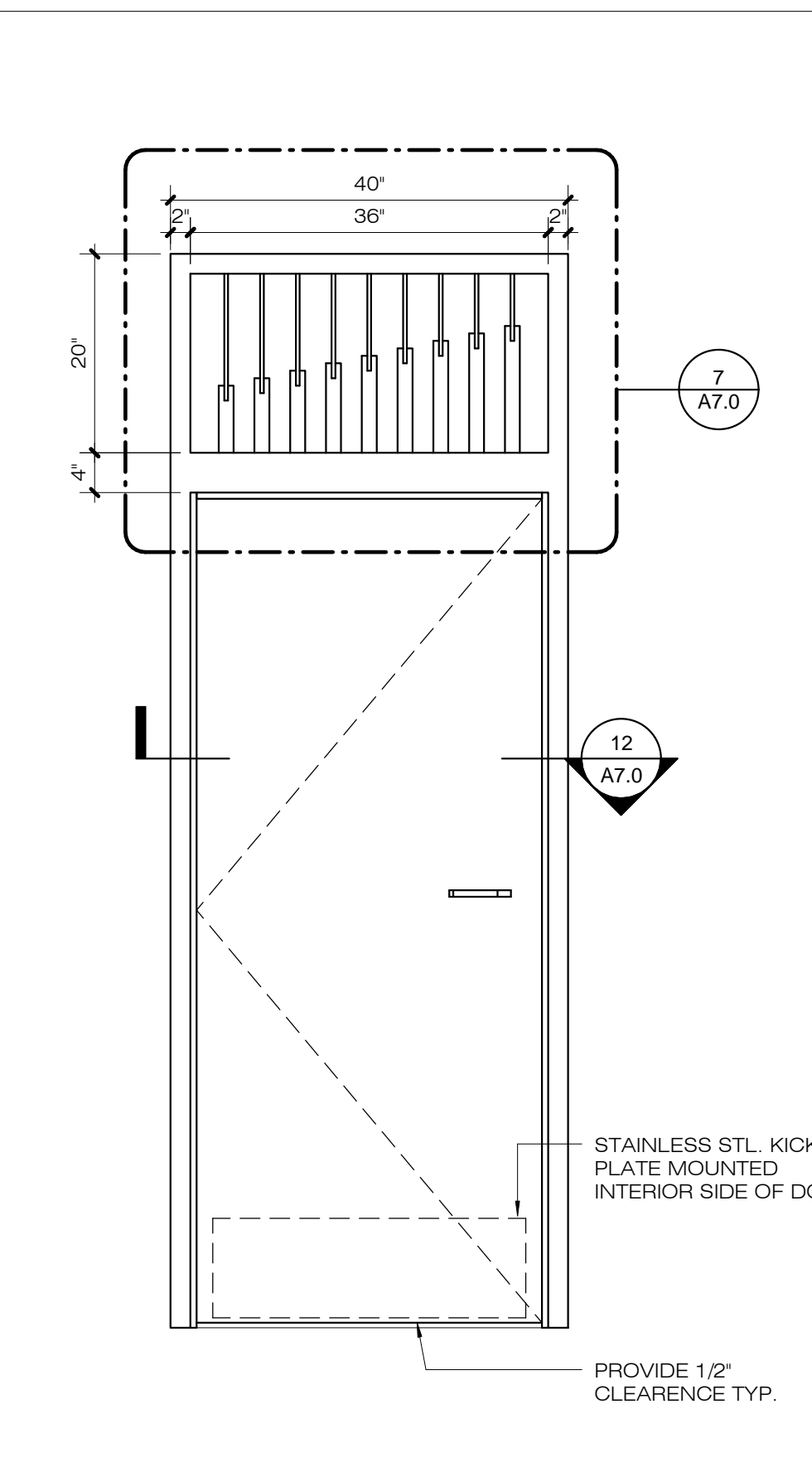
**8 MTL. WINDOW GRILL DOOR**  
1 1/2" = 1'-0"



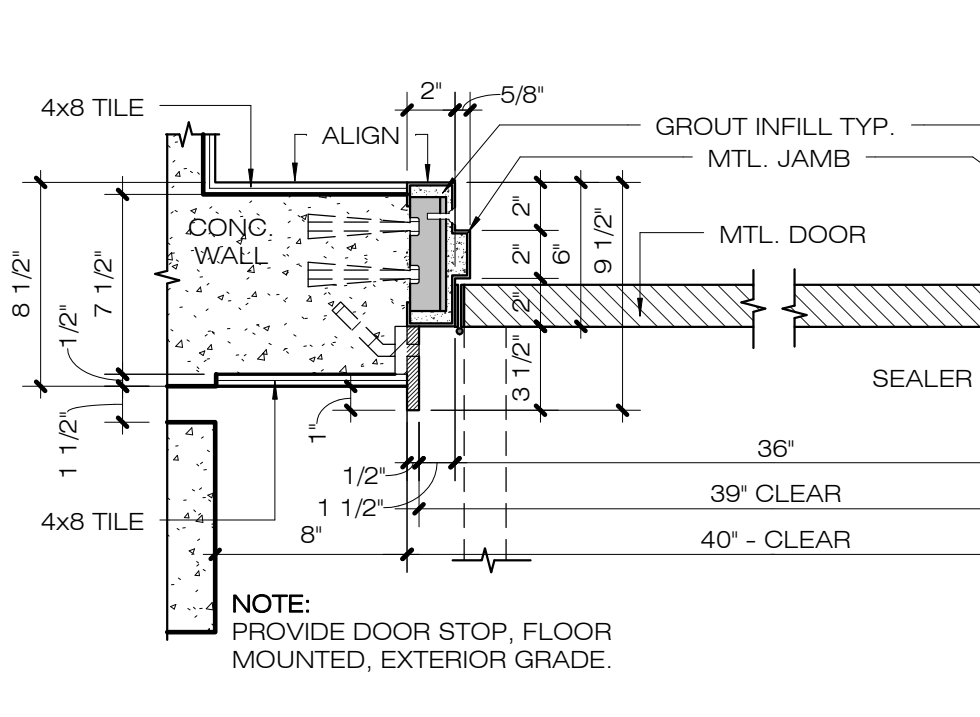
**9 MTL DOOR - ANCHOR DETAIL**  
3" = 1'-0"



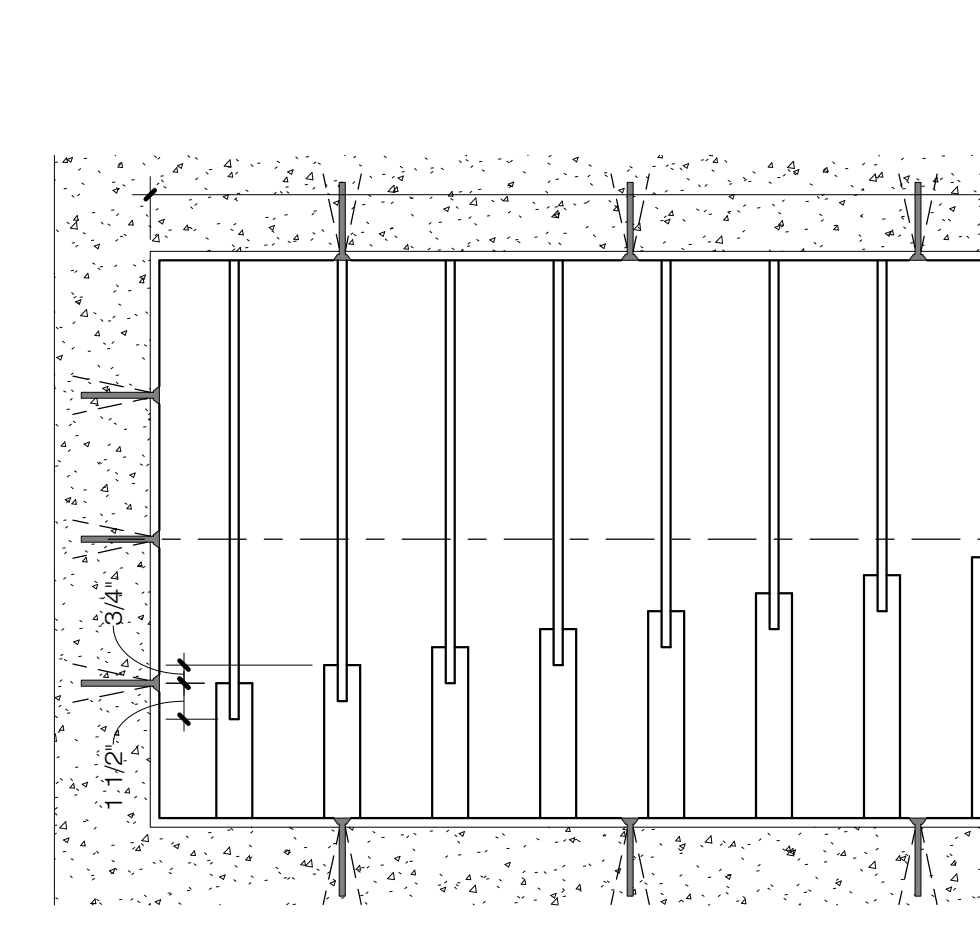
**10 HEAD DETAIL**  
1 1/2" = 1'-0"



**11 MTL. GATE DETAIL**  
3/4" = 1'-0"

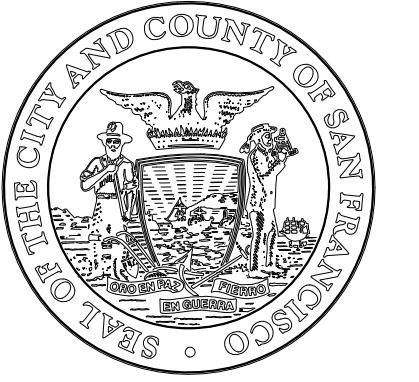


**12 MTL. DOOR - JAMB**  
1 1/2" = 1'-0"



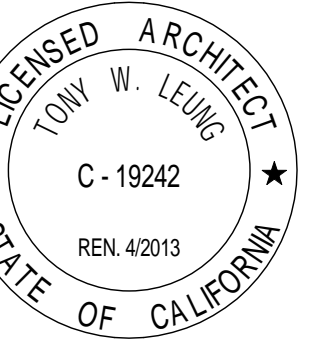
**13 MTL. WINDOW GRILL**  
1 1/2" = 1'-0"





No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	A. P.
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title

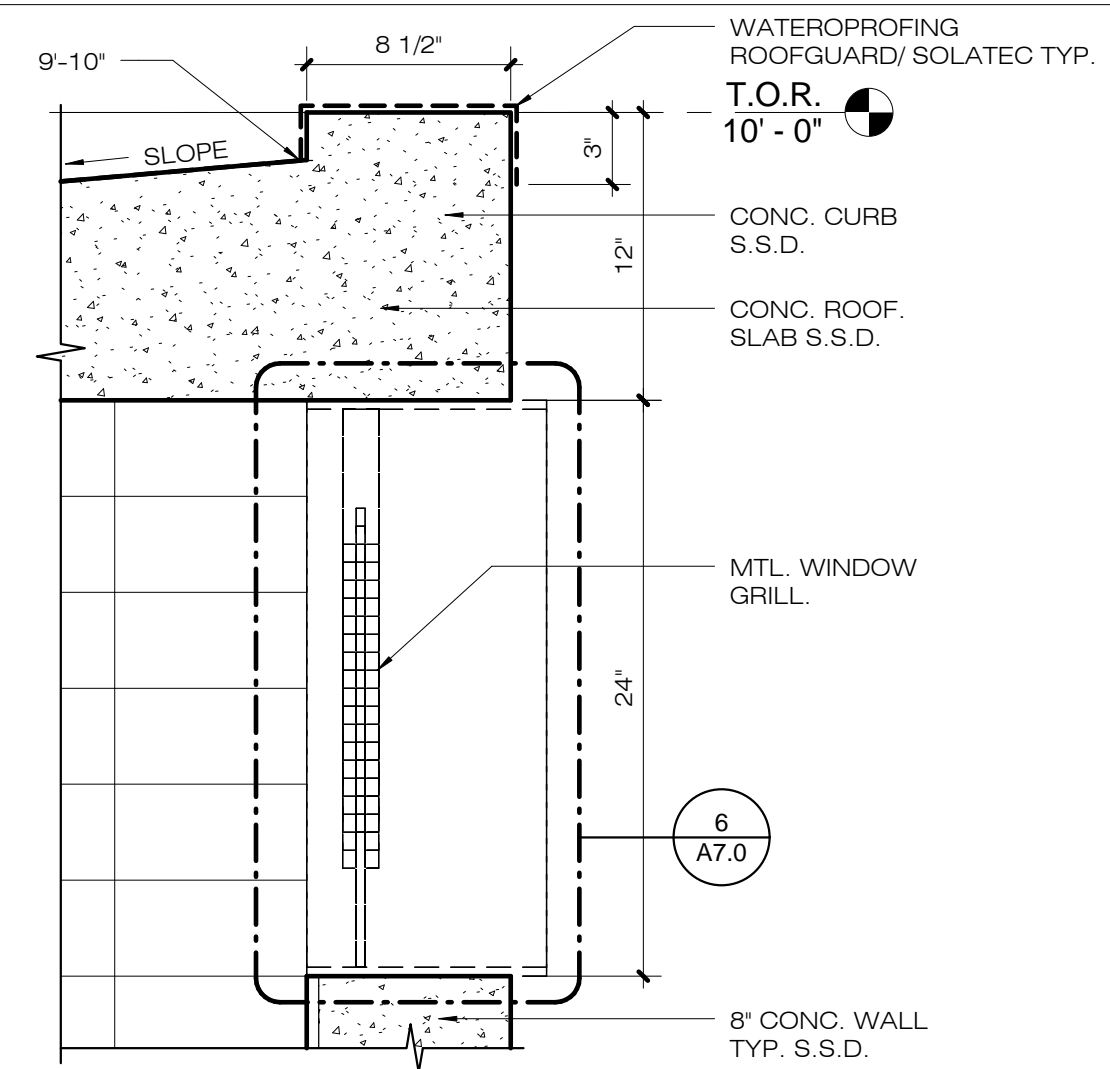
**EXTERIOR DETAILS**

Sheet No.

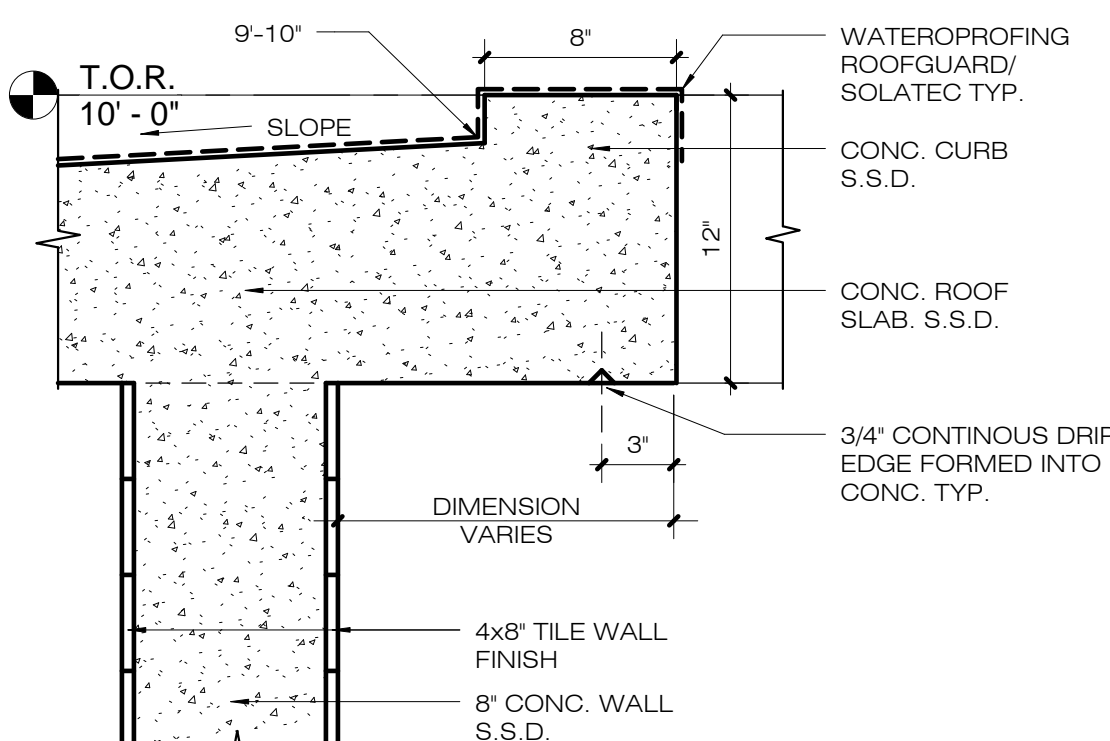
**A8.0**

Scale: As indicated

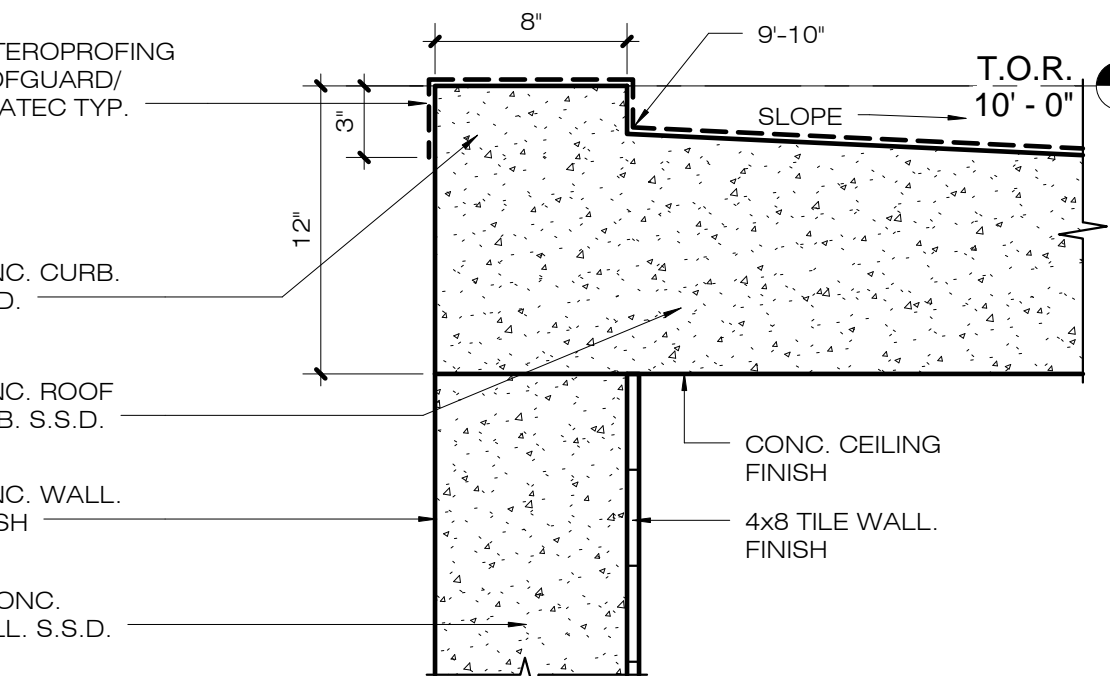
Job No. 3092-V



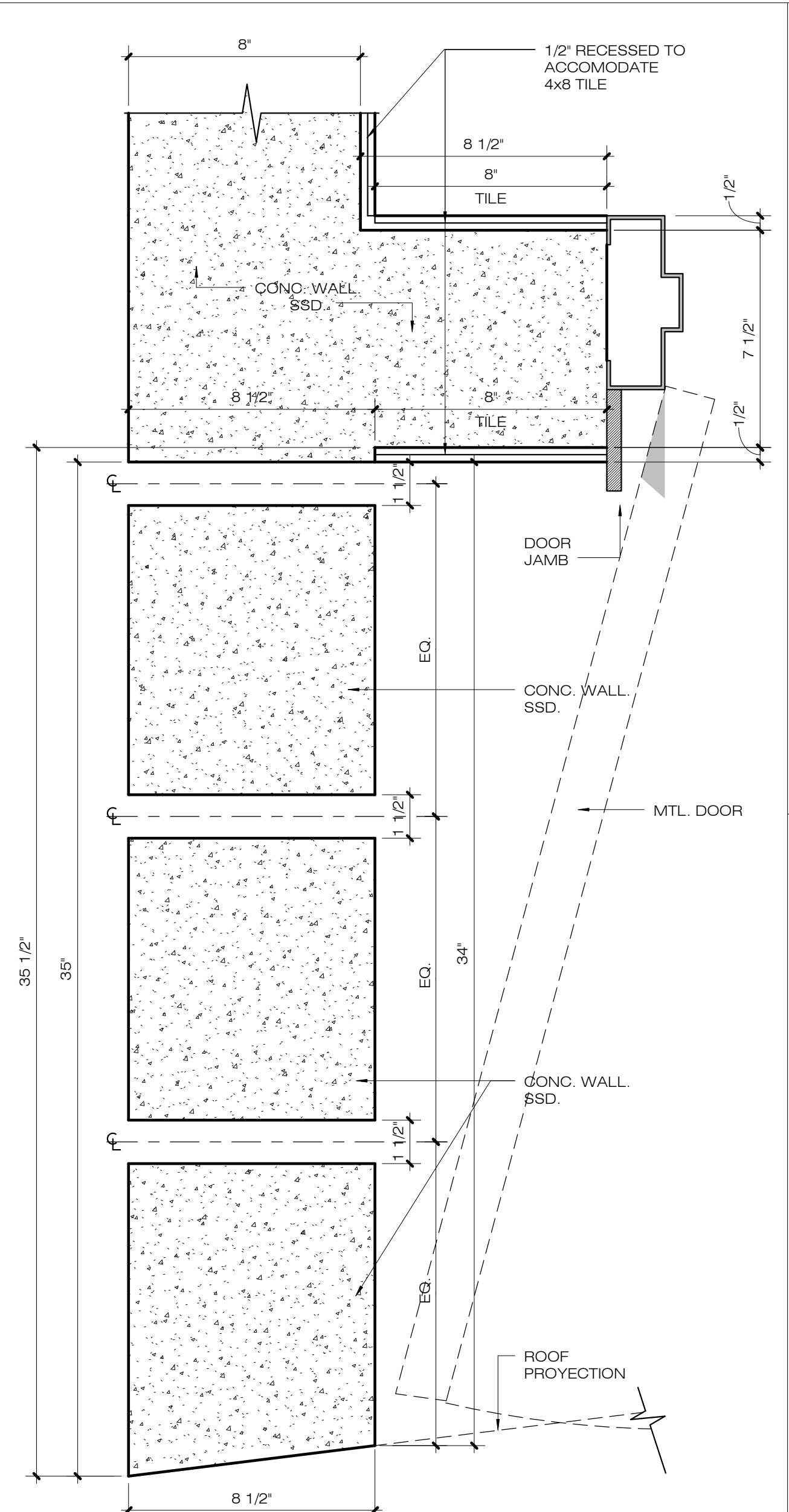
**8 ROOF DETAIL 1**  
1 1/2" = 1'-0"



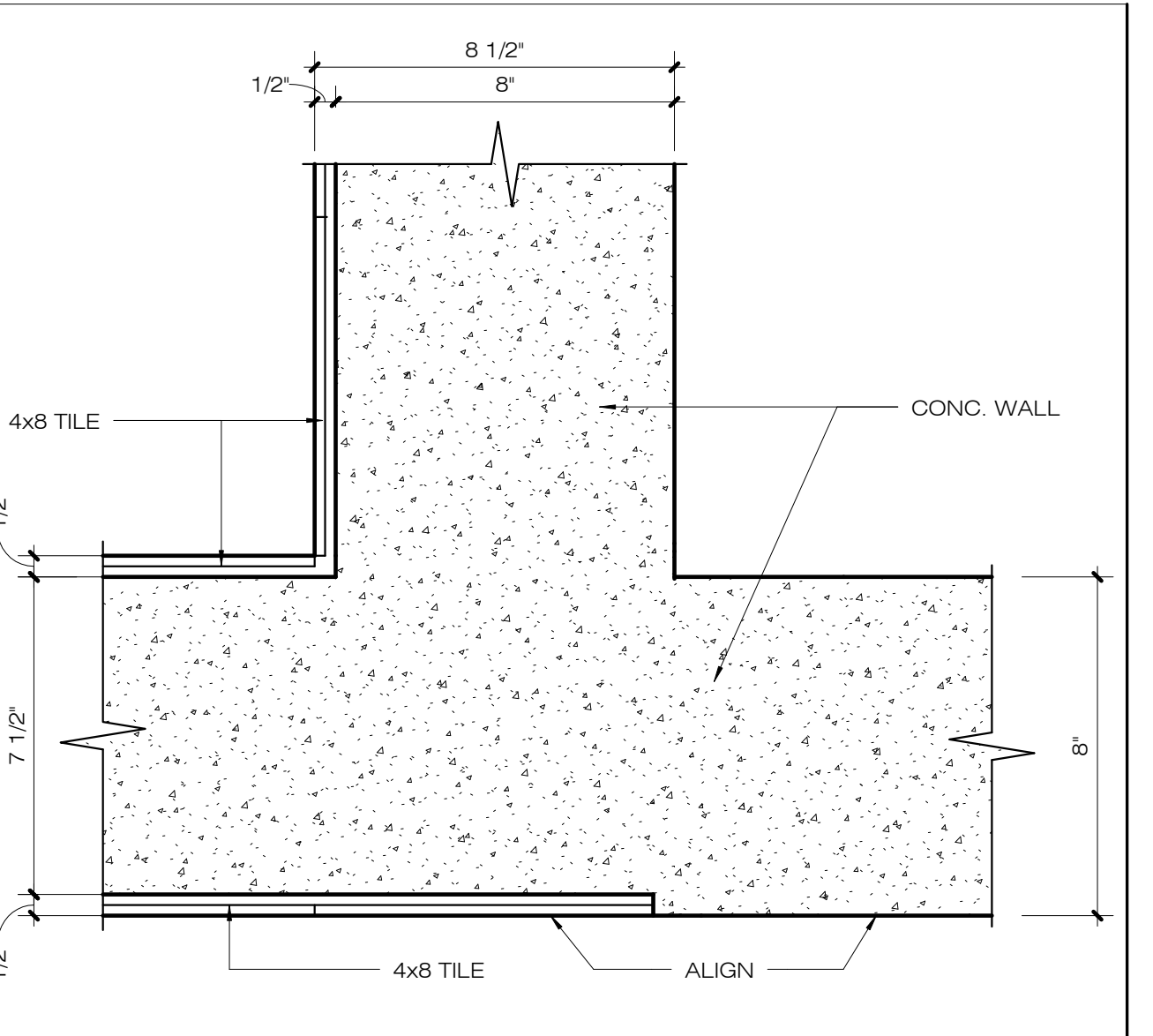
**9 ROOF DETAIL 2**  
1 1/2" = 1'-0"



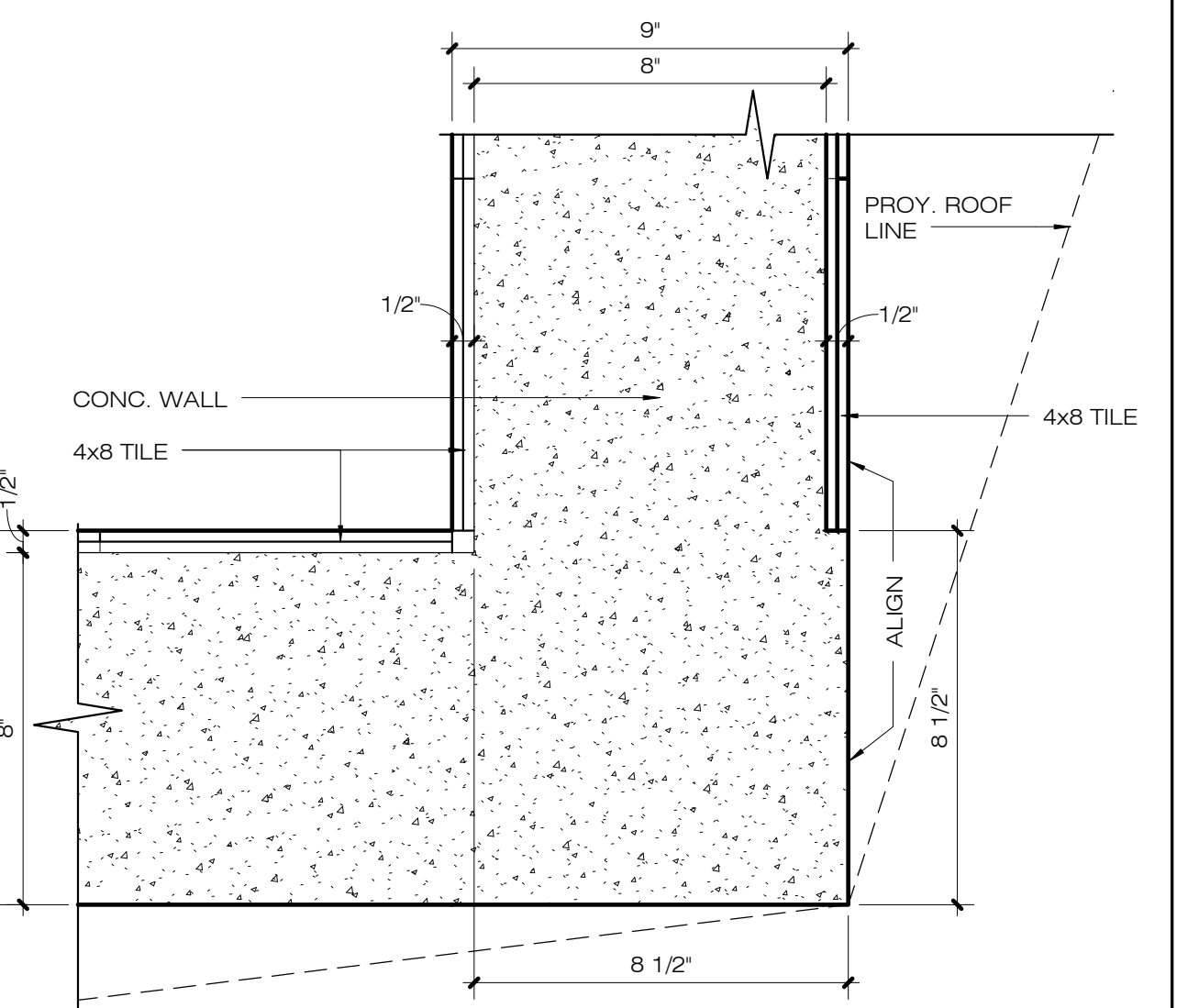
**10 ROOF DETAIL 3**  
1 1/2" = 1'-0"



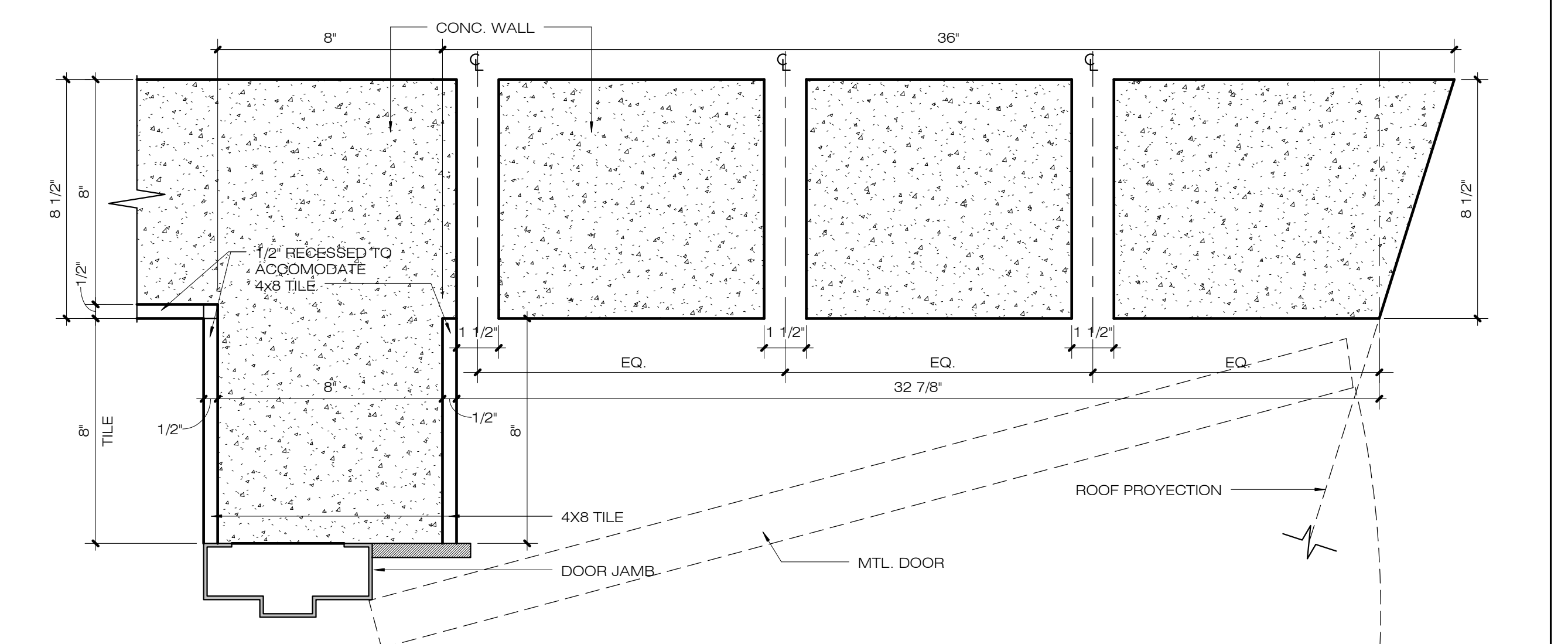
**6 WALL DETAIL 2**  
3" = 1'-0"



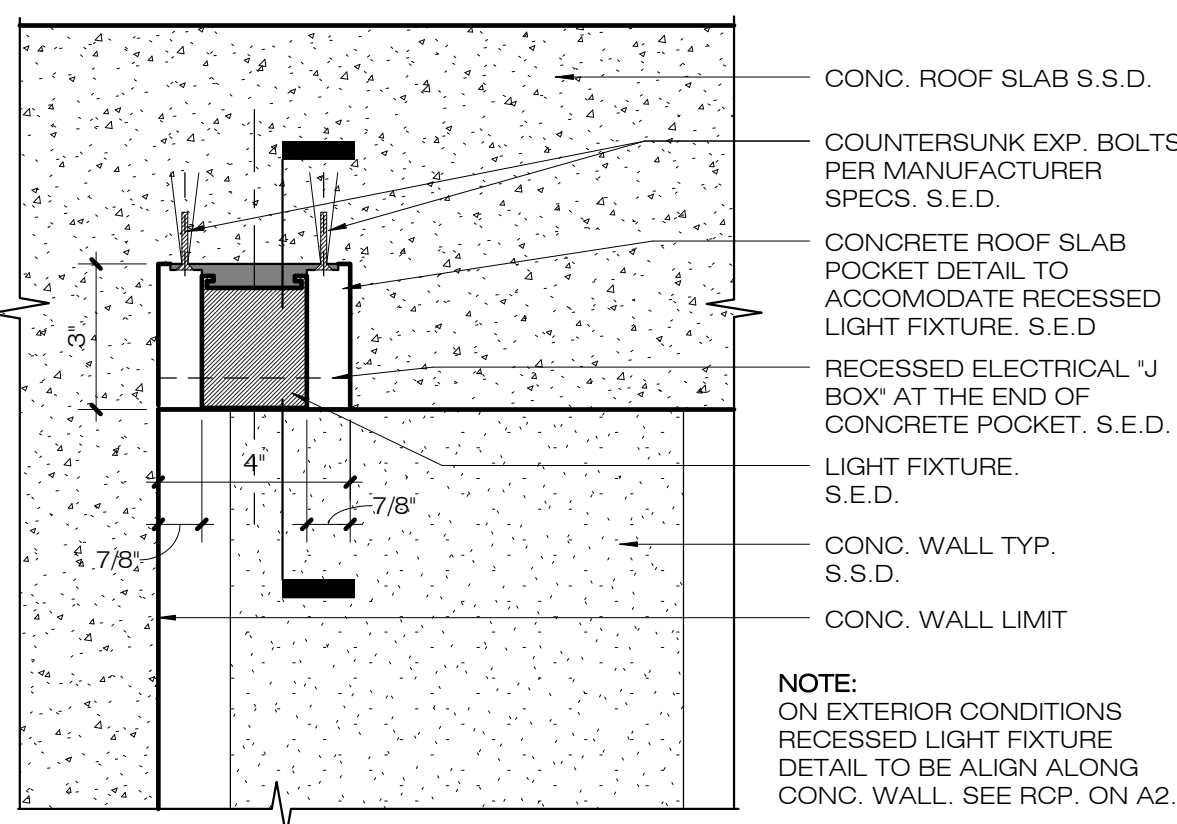
**1 DETAIL - TILE TRANSITION 1**  
3" = 1'-0"



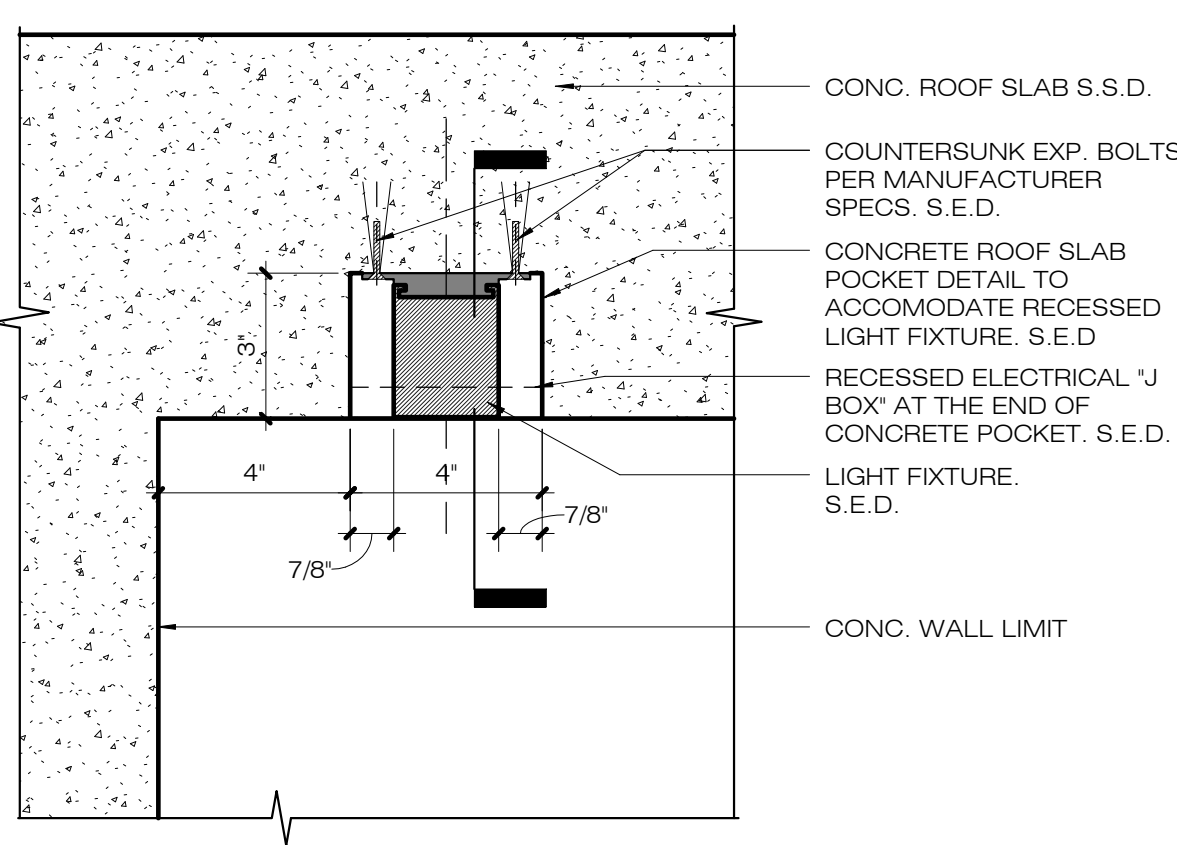
**2 DETAIL - TILE TRANSITION 2**  
3" = 1'-0"



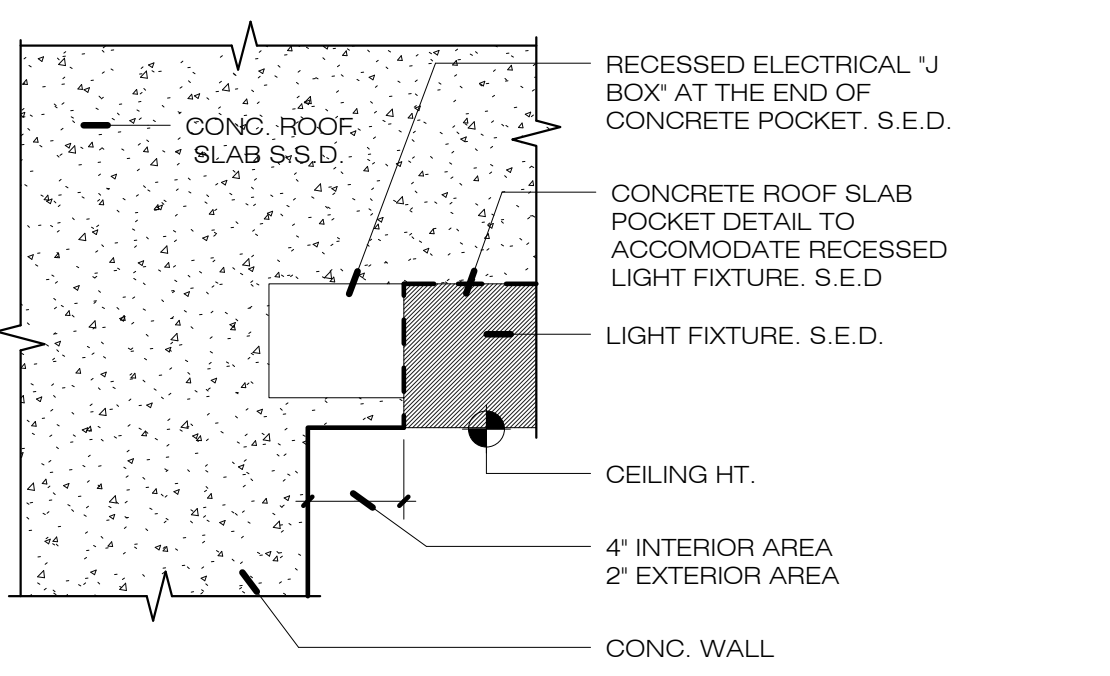
**7 WALL DETAIL 1**  
3" = 1'-0"



**12 RECESSED LIGHT FIXTURE  
DETAIL EXTERIOR CONDITION**  
3" = 1'-0"



**11 RECESSED LIGHT FIXTURE  
DETAIL**  
3" = 1'-0"

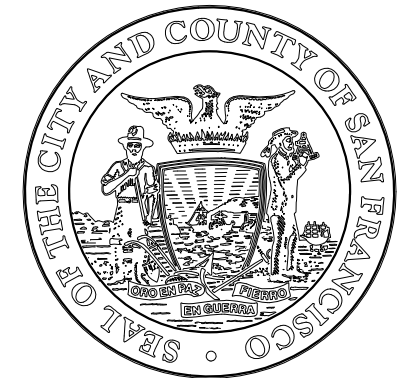


**10 RECESSED LIGHT FIXTURE  
DETAIL**  
3" = 1'-0"



# ACCESSIBILITY COMPLIANCE LETTER

# DBI ACCESSIBILITY CHECKLIST



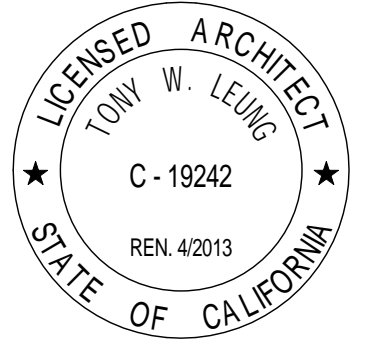
Architecture • Construction  
Tara D. Lamont - Acting Deputy Division Manager  
30 Van Ness Avenue Suite 4100  
San Francisco, CA Fax (415)557-4701  
94102-6028 (415)557-4700

Project: 2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN  
STATES STREET PARK RESTROOM  
122 STATES ST. San Francisco, CA 94114  
Block No.2615 - Lot No. 002

Consultant: \_\_\_\_\_

No.	Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn A.P.  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title \_\_\_\_\_

## ACCESSIBILITY INFORMATION

Sheet No. A11.0

Scale: 12" = 1'-0"  
Job No. 3092-V

**ACCESSIBILITY COMPLIANCE LETTER**

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**DEPARTMENT OF PUBLIC WORKS**  
Office of the Disability Access Coordinator  
30 Van Ness Avenue, 5<sup>th</sup> floor  
San Francisco, CA 94102-6020  
(415) 557-4685

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**City Projects**

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**CITY PROJECTS** (All City owned or sponsored projects must complete the items listed below.)

The owner of this project is the City and County of San Francisco and is responsibly charged by \_\_\_\_\_

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**DEPARTMENT OF RECREATION AND PARKS**  
(Department / Agency)

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TO: MARVIN YEE, Project Manager  
FROM: Kevin Jensen, Disability Access Coordinator  
SUBJECT: **DISABILITY ACCESS QUALITY ASSURANCE REVIEW**  
PROJECT: STATE STREET PARK RESTROOMS REPLACEMENT PROJECT  
CLIENT DEPARTMENT: DEPARTMENT OF RECREATION AND PARKS  
DATE: NOVEMBER 2011

---

THIS MEMO IS TO CONFIRM THAT I HAVE REVIEWED THE CONSTRUCTION DOCUMENTS AND THE APPLICABLE FEDERAL AND STATE REQUIREMENTS FOR ACCESSIBILITY FOR THE ABOVE NOTED PROJECT.

Sincerely,

Kevin Jensen  
Disability Access Coordinator  
Department of Public Works

415.554.6799 TTY      MOD@sfgov.org

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dachecklist2007(v2.2)

**D.A. CHECKLIST** (p. 1 of 2):      The address of the project is : STATE STREET PARK RESTROOMS

*For ALL tenant improvement projects in commercial use spaces, this checklist is required to be reproduced on the plan set and signed.*

1. The proposed use of the project is PUBLIC RESTROOMS (e.g. Retail, Office, Restaurant, etc.)

2. Describe the area of remodel, including which floor: One New Story Building

3. The construction cost of this project *excluding* disabled access upgrades is \$ 200,000.00, which is (check one)  more than /  less than the Accessibility Threshold amount of \$ 132,536.28 based on the "2010 ENR Construction Cost Index" (The cost index & threshold are updated annually).

4. Is this a City project and/or does it receive public funding? Check one:  Yes /  No Note: If Yes, then see Step 3 on the Instructions page for additional forms required.

**Conditions below must be fully documented by accompanying drawings**

5. Read A through G below carefully and check the most applicable box (one box only):

**A:** All existing conditions serving the area of remodel fully comply with access requirements. No further upgrades are required.

**B:** All existing conditions serving the area of remodel that do not fully comply with access requirements will be fully upgraded with this project.

**C:** Proposed project (check one)  is less than the threshold /  is over the threshold & falls under CBC 1134B.2.1 Ex. 2; Partial upgrades, including Equivalent Facilitation will be provided up to 20% of the project value as itemized on Form C. Priority of upgrades are to be considered in the order listed on p. 2 of the D.A. Checklist. Fill out Hardship request form(s) for non-fully complying items, including for Equivalent Facilitation items. Checking box C means there are still non-complying items serving the area of remodel.

**D:** Access features will either fully comply or be provided with Code defined Equivalent Facilitation. Submit an Unreasonable Hardship Request (UHR) for the Equivalent Facilitation items.

**E:** Hardship appeal to be filed with Access Appeals Commission (AAC). Note: Plan check of items not under AAC consideration will continue while resolution of AAC decision is sought.

**F:** Consisting only of Barrier Removal, Notice of Accessibility Violation (NOV) Compliance or Exempted Work; Fill out Form F.

**G:** Minor revision to previously approved permit drawings only. (Note: This shall NOT be used for new or additional work) Provide previous approved permit application here: \_\_\_\_\_ Description of revision: \_\_\_\_\_

dachecklist2007(v2.2)

**FORM F: CONSISTING ONLY OF BARRIER REMOVAL, NOTICE OF ACCESSIBILITY VIOLATION COMPLIANCE, OR EXEMPTED WORK**  
*Reproduce this Form on the plan set. Check box I, II, or III. If checking box I, check all other appropriate boxes in section I.*

**I. Barrier Removal Work (Section 1134B.2.1, Exception 3) only.**

*Note: Barrier removal only projects do not necessarily constitute a fully complying disabled access condition or equivalent facilitation, unless the barrier(s) removed meet Code standards for a fully complying condition or equivalent facilitation. The determination can only be considered on a case-by-case basis.*

This barrier removal only project (check one):  is /  is not intended to bring the area of remodel to full accessibility compliance or equivalent facilitation.

Alterations, structural repairs, or additions consisting of one or more of the following shall be limited to the actual work of the project (check all that applies):

Altering one building entrance to meet accessibility requirements.  
 Altering one existing toilet facility to meet accessibility requirements.  
 Altering existing elevators to meet accessibility requirements.  
 Altering existing steps to meet accessibility requirements.  
 Altering existing handrails to meet accessibility requirements.

Alteration solely for the purpose of removing barriers undertaken pursuant to the requirements of Sections 36.402 and 36.404 through 36.406 of Title III of the Department of Justice regulations promulgated pursuant to the Americans with Disabilities Act (Public Law 101-336, 28 C.F.R. Section 36.402, 28 C.F.R. Section 36.404, 28 C.F.R. Section 36.405, 28 C.F.R. Section 36.406), included but not limited to:

- 1) Installing ramps
- 2) Making curb cuts in sidewalks and entrances
- 3) Repositioning telephones
- 4) Adding raised markings on elevator control buttons
- 5) Widening doors
- 6) Installing grab bars in toilet stalls
- 7) Rearranging toilet partitions to increase maneuvering space
- 8) Creating designated accessible parking spaces
- 9) Others upon approval of building official

Description of others:  
REMODEL ENTIRE RESTROOMS TO BECOME ACCESSIBLE

**II. Submittal for Compliance to Notice of Accessibility Violation**  
This project consists of corrective work per Notice of Violation No. \_\_\_\_\_ (Attached).

**III. Exempted Work (Section 1134B.2.1, Exception 4)**  
"Projects which consist only of heating, ventilation, air conditioning, re-roofing, electrical work not involving the placement of switches and receptacles, cosmetic work that does not affect items regulated by this code, such as painting, carpeting, etc., are not considered alteration projects for the purposes of accessibility for persons with disabilities and shall not be subject to this code."

dachecklist2008(v1)      Page 9 of 11

**D.A. CHECKLIST** (p. 2 of 2):  
*Check all applicable boxes and specify where on the drawings the details are shown:*

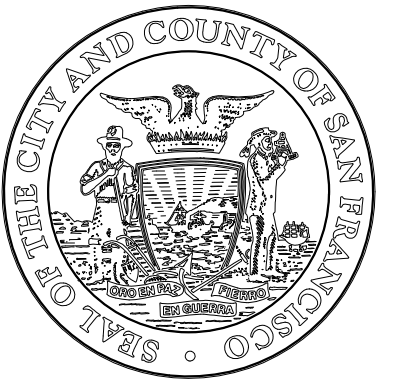
*Note: upgrades below are listed in priority based on CBC 1134B.2.1 Ex1*

	Existing Fully Complying	Upgrade to Full Compliance	Partial Upgrade / Hardship	Equivalent Facilitation / Hardship	Hardship	None existing & not req'd by Code	Access Appeals Commission	Barrier Removal / NOV	Location of detail(s)-include detail no. & drawing sheet (do not leave this part blank!). Also clarification comments can be written here.
1. One accessible entrance serving the area of remodel. Note: This should be a primary entrance. Add'l upgrade may be required if it is not.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2. An accessible route to the area of remodel									
2a. path of travel	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
2b. ramps	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2c. elevator	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2d. stairs (if no elevator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2f. other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3. At least one accessible restroom for each sex serving the area of remodel.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4. Accessible public pay phone.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
5. Accessible drinking fountains (hi-low).	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6. Signage.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7. Visual Alarm.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
8. <u>Parking</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
Others: <u>path from parking area</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
<u>Shower</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED
<u> </u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	BARRIER REMOVAL PROJECT - NOT REQUIRED

If details are provided from a set of City approved reference drawings, provide its permit application number here: \_\_\_\_\_

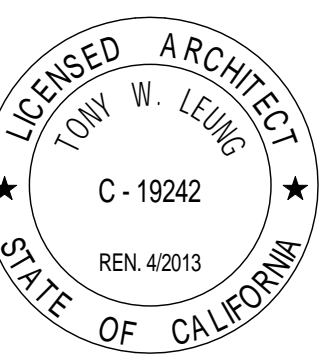
dachecklist2007(v2.2)





No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	A.P./J.G.
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title \_\_\_\_\_

**ACCESSIBILITY DETAILS**

Sheet No. \_\_\_\_\_

**A11.1**

Scale: As indicated

Job No. \_\_\_\_\_ **3092-V**

**4 ACCESSIBLE REACH RANGES**  
1/2" = 1'-0"

NOTE: USE THE INFORMATION DEPICTED ABOVE WHEN INSTALLING LOCKERS, DIAPER CHANGING STATION AND OTHER ELEMENTS REQUIRED TO BE ACCESSIBLE, BUT NOT COVERED IN OTHER DETAILS.

**3 ACCESSIBLE DOOR APPROACH**  
1/2" = 1'-0"

PROVIDE THIS ADDITIONAL SPACE IF A DOOR IS EQUIPPED WITH BOTH A LATCH AND CLOSER.

**2 STD. ACCESS. DOOR CONST.**  
1/2" = 1'-0"

5.0 LBS.....INTERIOR  
5.0 LBS.....EXTERIOR  
15.0 LBS.....FIRE\*

\* (UP TO 15LBF. MAX. FORCE NECESSARY FOR DOOR TO CLOSE & LATCH)

THE SWEEP PERIOD AT THE CLOSER SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 70 DEGREES THE DOOR WILL TAKE AT LEAST 3 SECONDS TO MOVE TO A POINT 3" FROM THE LATCH, MEASURED TO THE LEADING EDGE OF THE DOOR (ADAAG 4.13.10)

**1 ACCESSIBLE GRATING @ PATH OF TRAVEL**  
1/2" = 1'-0"

LONG DIMENSION PERPENDICULAR TO PATH OF TRAVEL.  
1/2" MAX. IN SHORT DIMENSION

NOTE: GRATES SHOULD NOT BE LOCATED IN THE PATH OF TRAVEL WHENEVER POSSIBLE.

**7 DOOR ROOM ID SIGNAGE**  
3/4" = 1'-0"

SEE DETAIL 5 THIS SHEET  
SEE DETAIL 6 THIS SHEET

**6 ACCESSIBLE STRIKE SIDE SIGNAGE**  
3" = 1'-0"

DOOR JAMB STRIKE SIDE

**5 ACCESSIBLE DOOR SIGNAGE**  
1 1/2" = 1'-0"

WHITE BACKGROUND  
BLACK BACKGROUND

MEN'S ROOM  
WOMEN'S ROOM  
UNISEX OR FAMILY ROOM

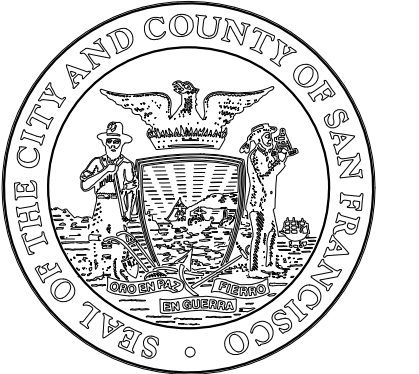
GENERAL NOTES FOR SIGNAGE:  
1. SIGN MATERIAL SHALL BE 1/4" THICK, CAST IRON. SEE SPECS.  
2. SIGNS SHALL HAVE WHITE LETTERS AND FIGURES ON CONTRASTING BACKGROUND, FINISHES TO BE MATTE, NON-GLARE.  
3. ALL INTERIOR SURFACE MOUNTED SIGNS SHALL BE ADHERED W/NON-STAINING BACKGROUND, FINISHES TO BE MATTE, EGG-SHELL, NON-GLARE.  
4. DOOR MOUNTED SIGN AND SYMBOLS SHALL BE 70% CONTRASTING COLOR FOR EACH ITEM. SIGN SHALL BE 70% CONTRASTING COLOR WITH ADJACENT SURFACE AND WITH SYMBOL.  
5. SEE SPECIFICATIONS FOR SIGN COLOR AND ADDITIONAL INFORMATION.

GENERAL NOTES FOR SIGNAGE:  
1. SIGN MATERIAL SHALL BE 1/4" THICK CAST IRON AND FINISHES WITH SQUARE EDGES. SEE SPECS.  
2. TEXT COPY SHALL BE OPTIMA NOVA CONDENSED UPPERCASE LETTERS, 3/4" HIGH, TYPE RAISED 1/32" MIN, CENTERED TEXT. (SEE DOOR SCHEDULE FOR ROOM LOCATION & NAME) TYP.  
3. ALL INTERIOR SURFACE MOUNTED SIGNS SHALL BE ADHERED W/NON-STAINING ADHESIVE W/ NO MECHANICAL FASTENERS  
4. BRAILLE TRANSLATION OF WRITTEN TEXT TO BE CONTRACTED GRADE 2 BRAILLE RAISED 1/32" IN ACCORDANCE WITH SFBC SECTION 117B.5  
5. SYMBOL & TEXT COLOR SHALL BE 70% MIN. CONTRASTING W/ SIGN BACKGROUND COLOR AND SIGN SHALL BE 70% CONTRASTING COLOR WITH ADJACENT SURFACE.  
6. PICTOGRAMS TO BE RAISED 1/32" HIGH, TYP.  
7. SEE SPECIFICATIONS FOR SIGN COLOR AND ADDITIONAL INFORMATION

**1 ACCESSIBLE GRATING @ PATH OF TRAVEL**  
1/2" = 1'-0"

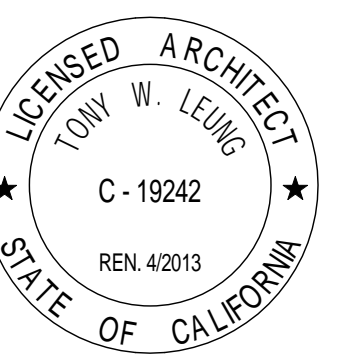
LONG DIMENSION PERPENDICULAR TO PATH OF TRAVEL.  
1/2" MAX. IN SHORT DIMENSION

NOTE: GRATES SHOULD NOT BE LOCATED IN THE PATH OF TRAVEL WHENEVER POSSIBLE.



No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	A.P./J.G.
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title

ACCESSIBILITY DETAILS

Sheet No.

**A11.2**

Scale: As indicated

Job No. 3092-V

**NOTE:**

- THE UNIT MUST BE INSTALLED IN AN AREA THAT ALLOWS A FRONTAL APPROACH FOR A PERSON IN A WHEELCHAIR.
- THE UNIT MUST BE INSTALLED SO THAT THE BUILT-IN SANITARY LINER DISPENSER AND CHANGING TABLE IS AT AN ACCESSIBLE HEIGHT.
- OPERATING FORCE OF PLATFORM SHALL BE NO GREATER THAN 5 LBS.
- ATTACH 1" WEBBING LOOP HANDLE STRAP ABOVE THE EXISTING HANDLE. USE TWO CHICAGO SCREWS AND AND APPLY THREAD ADHESIVE. BOTTOM OF NYLON LOOP TO BE 44" ABOVE FINISH FLOOR. (ONLY IF MFR. HANDLE IS NOT ACCESSIBLE DUE TO REACH RANGE OR TYPE).

**9 ACCESSIBLE BABY CHANGER**  
3/4" = 1'-0"

**NOTE:**  
FOR FIRE ALARM STROBE LOCATIONS, CONTACT LOCAL FIRE MARSHALL.

**ACCESS. MOUNTING HEIGHTS FOR CONTROLS AND OUTLETS**  
1/2" = 1'-0"

**3 STD. ACCESSIBLE SINK DET.**  
1/2" = 1'-0"

**NOTE:**  
ALL DIMENSIONS INDICATED ARE CLEAR, FINISH TO CENTER LINES OF PLUMBING FIXTURES OR ACCESSORIES DIMENSIONS AND MUST BE STRICTLY MAINTAINED FOR ALL SINK/COUNTER DESIGNS.

CONTROL - NO GREATER THAN 5 LBS OPERATING FORCE.

**8 STD. ACCESSIBLE DRINKING FOUNTAIN DET.**  
1/2" = 1'-0"

**NOTE:**

- ALL DIMENSIONS INDICATED ARE CLEAR TO FINISH DIMENSIONS AND MUST STRICTLY MAINTAINED.
- WATER STREAM SHALL BE PARALLEL TO FRONT FACE OF FOUNTAIN.

**6 STD. ACCESS. TOILET STALL DET. (FRONT ELEV.)**  
1/2" = 1'-0"

CONTROLS, OPERATING MECHANISMS, AND DOOR HARDWARE SHALL COMPLY WITH ADA 4.27.4 PG. 52 AND SFBC.

**NOTE:** ALL DIMENSIONS INDICATED ARE CLEAR, FINISH TO CENTER LINES OF PLUMBING FIXTURES OR ACCESSORIES DIMENSIONS AND MUST BE STRICTLY MAINTAINED

**2 STD. ACCESS. TOILET STALL DET. (SIDE ELEV.)**  
1/2" = 1'-0"

**NOTE:**

- ALL DIMENSIONS INDICATED ARE CLEAR, FINISH TO CENTER LINES OF PLUMBING FIXTURES OR ACCESSORIES DIMENSIONS AND MUST BE STRICTLY MAINTAINED
- DISPENSER/DISPOSAL UNITS TO PROJECT NO MORE THAN 4" FROM FINISHED FACE OF WALL
- WATER CLOSET SHALL COMPLY WITH SFBC. GRAB BAR SHALL COMPLY WITH SFBC.

**7 GRAB BAR DETAIL**  
6" = 1'-0"

**4 ACCESSIBLE TOILET STALL ELEV.**  
1/4" = 1'-0"

INTERNATIONAL SYMBOL OF ACCESSIBILITY ON EXTERIOR OF STALL DOOR

STALL DOOR SHALL BE SELF-CLOSING (SIM @ ACCESSIBLE LOCKER)

LOOP HANDLES ON BOTH SIDES (BELOW LATCH)

FLAT FACED COAT HOOK (MOUNT ON WALL 1/2" MIN. Center (Front/Back))

SLIDE LATCH: OPERATION SHALL NOT REQUIRE TIGHT GRASPING, FINCHING, OR WRIST TWISTING

**1 STD. ACCESSIBLE URINAL DET.**  
1/2" = 1'-0"

FLUSH VALVE

'ELONGATED RIM' WITH NO SIDE OBSTRUCTION

CLEAR FLOOR SPACE FLOOR SPACE. NO TOILET PARTITIONS CAN SWING INTO THIS SPACE.



PROJECT DESCRIPTION

- 1. THE STRUCTURAL WORK SHOWN ON THESE DRAWINGS IS FOR THE CONSTRUCTION OF A NEW ONE-STORY RESTROOM BUILDING.
2. THE DESIGN OF NEW WORK IS IN GENERAL CONFORMANCE TO THE REQUIREMENTS OF THE 2010 SAN FRANCISCO BUILDING CODE (SFBC) WHICH COMPRISES THE 2010 CALIFORNIA BUILDING CODE (CBC) AND 2010 SAN FRANCISCO AMENDMENTS.

GENERAL

- 1. THESE GENERAL NOTES APPLY THROUGHOUT ALL STRUCTURAL DRAWINGS EXCEPT WHERE SPECIFICALLY SHOWN BY NOTES ON DRAWINGS AND/OR DETAILS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION OR FABRICATION. ANY DISCREPANCIES, INCONSISTENCIES, OR UNSOUND CONDITIONS SHALL BE REPORTED TO THE ENGINEER FOR RESOLUTION PRIOR TO THE START OF ANY CONSTRUCTION OR FABRICATION SO THAT A CLARIFICATION CAN BE ISSUED.
3. DIMENSIONS ARE TO CENTERLINE OF STEEL FRAMING, FACE OF CONCRETE SURFACES, FACE OF STUDS, FACE OF CONCRETE MASONRY UNITS (CMU), TOP OF SHEATHING, OR TOP OF STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.
4. DIMENSIONS IN THE STRUCTURAL DRAWINGS ARE AS NOTED. DO NOT USE DIMENSIONS SCALED FROM THE STRUCTURAL DRAWINGS.
5. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE CITY AND COUNTY OF SAN FRANCISCO.
6. ALL TYPICAL DETAILS AND NOTES SHOWN ON DRAWINGS SHALL APPLY UNLESS OTHERWISE NOTED. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS, BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE DRAWINGS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO DETAILS ARE NOTED, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.
7. REFER TO OTHER DISCIPLINES' DRAWINGS AND COORDINATE INFORMATION RELATED TO THOSE OTHER DISCIPLINES' SYSTEMS FOR ITEMS SUCH AS:
a. FINISH FLOOR ELEVATIONS, FLOOR DEPRESSIONS, CHANGES IN ELEVATION, SLOPES, DRAINS, CURBS, PADS, INSERTS, ETC.
b. SIZE AND LOCATION OF ALL NON-BEARING PARTITIONS.
c. SIZE AND LOCATION OF ALL WALL, FLOOR AND ROOF OPENINGS.
d. STAIR FRAMING, HANGERS AND DETAILS.
e. WATERPROOFING AND WATERSTOPS.
f. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND FLOOR OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
g. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS, ETC., IN WALLS AND SLABS.
h. SIZE, LOCATION, ANCHORAGE AND BRACING FOR MECHANICAL, ELECTRICAL, AND PLUMBING EQUIPMENT.
8. FOR OPENINGS LARGER THAN 6" THAT ARE REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS, THE CONTRACTOR SHALL SUBMIT DRAWINGS INDICATING OPENING LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
9. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE MEANS AND/OR METHODS OF CONSTRUCTION. ALTHOUGH THE NEED FOR SHORING MAY SOMETIMES BE INDICATED IN THE STRUCTURAL DRAWINGS, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DESIGN, PROVIDE, AND MAINTAIN TEMPORARY BRACING, SHORING, GUYING, OR OTHER TEMPORARY SUPPORT AS REQUIRED FOR THE PROTECTION OF LIFE AND PROPERTY DURING CONSTRUCTION.
10. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION OF ADJACENT STRUCTURES DURING CONSTRUCTION. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.
11. WALLS SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION UNTIL WALL DESIGN STRENGTH HAS BEEN ATTAINED AND ALL PERMANENT SUPPORTS ARE IN PLACE.
12. THE USE OF NEW CONSTRUCTION FOR TEMPORARY SUPPORT OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS IS RESTRICTED TO THE DESIGN CAPACITY OF THE NEW CONSTRUCTION AT THE TIME IT IS TO BE USED. EQUIPMENT OR MATERIALS SHALL BE PLACED SO AS NOT TO EXCEED THE CAPACITY OF INDIVIDUAL ELEMENTS. PROVIDE ADEQUATE, ENGINEERED SHORING AND/OR BRACING WHERE DESIGN CAPACITY IS NOT SUFFICIENT.
13. CONSTRUCTION LOADS SHALL NOT BE PLACED ON NEW CONCRETE CONSTRUCTION, INCLUDING CONCRETE FILL ON METAL DECK, FOR AT LEAST 7 DAYS AFTER CONCRETE PLACEMENT.
14. SPECIFICATIONS AND DETAILING OF ALL WATERPROOFING AND DRAINAGE ITEMS, ALTHOUGH SOMETIMES INDICATED ON THE STRUCTURAL DRAWINGS FOR GENERAL INFORMATION PURPOSES ONLY, ARE SOLELY THE DESIGN RESPONSIBILITY OF OTHERS.
15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING PIPES, DUCTS, AND UTILITIES, WHETHER SHOWN HEREIN OR NOT, AND TO PROTECT THEM FROM DAMAGE. THE CONTRACTOR SHALL BEAR ALL EXPENSE FOR REPAIR OR REPLACEMENT.
16. ALL STRUCTURAL MEMBERS AND ELEMENTS SHOWN ON THE STRUCTURAL DRAWINGS ARE NEW UNLESS NOTED (E) FOR EXISTING CONDITIONS.

BASIS OF DESIGN

- 1. ALL NEW CONSTRUCTION SHALL CONFORM TO THE 2010 SAN FRANCISCO BUILDING CODE (SFBC) WHICH COMPRISES THE 2010 CALIFORNIA BUILDING CODE (CBC) AND 2010 SAN FRANCISCO AMENDMENTS.
2. THE PUBLICATIONS LISTED BELOW ARE THE GOVERNING CODES AND STANDARDS REFERENCE BY THE CBC AND ARE REFERENCED HEREIN BY THEIR BASIC DESIGNATION. IN THE CASE OF CONFLICTING REQUIREMENTS, THE SFBC SHALL GOVERN.

Table with 2 columns: Reference Code and Description. Includes ACI 301-10, ACI 318-08, ASCE 7-05, ASTM, and AWS D1.4.

STRUCTURAL DESIGN CRITERIA

- 1. DESIGN LIVE LOADS: ROOF: 20 PSF (REDUCIBLE)
2. SUPERIMPOSED DESIGN DEAD LOADS:
3. WIND DESIGN CRITERIA: BASIC WIND SPEED: 85 MPH; EXPOSURE: C
4. SEISMIC DESIGN CRITERIA: PEAK GROUND ACCELERATION: Ss = 1.509G, S1 = 0.753G; SITE CLASSIFICATION: C; SITE COEFFICIENTS: Fa = 1.00, Fv = 1.30; MAXIMUM SPECTRAL ACCELERATION: Sms = 1.509G, Sm1 = 0.978G; DESIGN SPECTRAL ACCELERATION: Sds = 1.006G, Sd1 = 0.652G; OCCUPANCY CATEGORY: II; IMPORTANCE FACTOR: I = 1.0; SEISMIC DESIGN CATEGORY: Sdc = D
FOR BEARING WALL SYSTEMS WITH ORDINARY REINFORCED CONCRETE SHEAR WALLS: RESPONSE MODIFICATION FACTOR: R = 4; SYSTEM OVERSTRENGTH FACTOR: Pp = 2 1/2; DEFLECTION AMPLIFICATION FACTOR: Cd = 4; SEISMIC BASE SHEAR: V = 0.252 W (LRFD)

FOUNDATIONS

- 1. THE FOUNDATION DESIGN IS BASED UPON THE PROJECT GEOTECHNICAL REPORT "GEOTECHNICAL MEMORANDUM - BATHROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN" PREPARED BY THE DEPARTMENT OF PUBLIC WORKS BUREAU OF ENGINEERING, DATED 11/15/2011.
2. DESIGN SOIL PARAMETERS: ALLOWABLE BEARING PRESSURE: 2,500 PSF FOR DEAD LOADS + LIVE LOADS; 3,500 PSF FOR DEAD LOADS + LIVE LOADS + LATERAL LOADS

- 3. REFER TO THE GEOTECHNICAL MEMORANDUM FOR ADDITIONAL INFORMATION AND RECOMMENDATIONS NOT NOTED HERE.
4. THE GEOTECHNICAL ENGINEER SHALL VERIFY THE CONDITIONS AND/OR ADEQUACY OF ALL SUBGRADES, ENGINEERED FILLS, AND BACKFILLS BEFORE PLACEMENT OF FILLS, FOOTINGS, SLABS, OR OTHER CONSTRUCTION DEPENDENT UPON THEM.
5. EXCAVATIONS FOR FOOTINGS SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING REINFORCING AND CONCRETE. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN THE EXCAVATIONS ARE READY FOR OBSERVATION BY THE GEOTECHNICAL ENGINEER.
6. FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED NATIVE SOIL OR ENGINEERED FILL. ALL ABANDONED FOOTINGS, UTILITIES, ETC., SHALL BE REMOVED. ALL FOOTINGS SHALL BE FOUNDED AT A DEPTH AT LEAST 30" BELOW THE LOWEST ADJACENT GRADE. FOOTING DEPTHS SHOWN ON THE STRUCTURAL DRAWINGS ARE MINIMUM DEPTHS AND SHALL BE VERIFIED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.
7. SIDES OF FOUNDATIONS SHOWN STRAIGHT ARE FORMED. IF SITE CONDITIONS ALLOW AND GEOTECHNICAL ENGINEER CONCURS, SIDES OF FOUNDATION MAY BE FORMED OR NOT FORMED AT CONTRACTOR'S OPTION.
8. WHERE FOUNDATIONS ARE CAST AGAINST EARTH, SLOPE SIDES OF EXCAVATIONS AS APPROVED BY GEOTECHNICAL ENGINEER. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF SLOUGHED MATERIALS BEFORE AND DURING CONCRETE PLACEMENT. CONCRETE COVER FOR REINFORCEMENT MAY BE AFFECTED.
9. ENGINEERED FILL BELOW BUILDING FOOTINGS SHALL BE COMPACTED TO 95% RELATIVE COMPACTION AS DETERMINED BY THE ASTM D1557 COMPACTION TEST METHOD AND UNDER THE OBSERVATION OF THE GEOTECHNICAL ENGINEER. ENGINEERED FILL SHALL EXTEND AT LEAST 5 FEET BEYOND THE BUILDING PERIMETER.
10. CONTRACTOR SHALL PROVIDE FOR DE-WATERING IF WATER IS PRESENT IN THE EXCAVATION. DE-WATERING PLANS SHALL BE SUBMITTED FOR REVIEW. DE-WATERING PLANS MAY INCLUDE A MONITORING PROGRAM TO EVALUATE SETTLEMENT IN THE ADJACENT IMPROVEMENTS. SEE GEOTECHNICAL REPORT.
11. ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE THE CONCRETE OR GROUT HAS ATTAINED FULL DESIGN STRENGTH UNLESS SPECIFICALLY APPROVED BY THE ENGINEER IN WRITING. THE CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL STRENGTH. THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, PERMITS, AND INSTALLATION OF SUCH BRACING.
12. OVER-EXCAVATED FOOTINGS SHALL BE BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM) (fc'min = 100 PSI, fc'max = 1,200 PSI).
13. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF APPROPRIATE, ADEQUATE SHORING AND BRACING OF FOUNDATION EXCAVATION, AND UNDERPINNING OF EXISTING STRUCTURES TO ENSURE PROTECTION OF LIFE AND ADJACENT PROPERTY, STRUCTURES, STREETS, AND UTILITIES IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES. UNDERPINNING, SHORING, LAGGING, ETC., SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA AND SHALL BE CONSTRUCTED UNDER SEPARATE PERMIT. SHORING PLAN TO BE SUBMITTED TO THE GEOTECHNICAL ENGINEER AND THE STRUCTURAL ENGINEER FOR REVIEW TO ENSURE CONFORMANCE WITH DESIGN DOCUMENTS.
14. THE CONTRACTOR SHALL NOT UNDERMINE EXISTING FOUNDATIONS AND STRUCTURES DURING EXCAVATION. IF UNDERMINING OCCURS, THE CONTRACTOR SHALL PROVIDE CORRECTIVE MEASURES FOR ENGINEER TO REVIEW AND APPROVE AT CONTRACTOR'S EXPENSE.
15. THE GEOTECHNICAL ENGINEER SHALL PREPARE A LETTER FOR THE DEPARTMENT OF BUILDING INSPECTION GIVING AN OPINION REGARDING CONFORMANCE OF THE FOOTING EXCAVATIONS, ENGINEERED FILL COMPACTION, SUBGRADE PREPARATION, AND BACKFILL WITH THE REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT.

BUILDING DESIGN & CONSTRUCTION



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Project

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

STATES STREET PARK RESTROOM 122 STATES ST. San Francisco, CA 94114 Block No. 2615 - Lot No. 002

Consultant

Table with project details: INFRASTRUCTURE DIVISION, DESIGNED BY: RL, DATE: 03/2012, DRAWN BY: BH, CHECKED BY: RL, APPROVED: RAYMOND R. LUJ, SECTION MANAGER: NORMAN CHAN, DEPUTY DIVISION MANAGER: PATRICK RIVERIA, DIVISION MANAGER:

Table with 3 columns: No., Date, Revisions

Section Head: T. LEUNG, Proj. Mgr.: M. YEE, Proj. Arch.: T. LEUNG, Drawn: T. LEUNG, Date: MARCH 2012, Phase: PERMIT SET



Drawing Title

STRUCTURAL GENERAL NOTES

Sheet No.

S1.1

Scale: NONE

Job No.

3092V

CONCRETE

- MIXING, BATCHING, TRANSPORTING, PLACING, AND CURING OF ALL CONCRETE AND SPECIFICATION OF CONCRETE MATERIALS, SHALL CONFORM TO ACI 301 "SPECIFICATION FOR STRUCTURAL CONCRETE", EXCEPT AS NOTED BELOW.
- CONCRETE SHALL BE READY-MIXED CONFORMING TO ASTM C94. CEMENT SHALL BE PORTLAND CEMENT TYPE II, CONFORMING TO ASTM C150. ALL CONCRETE USED IN SUSPENDED SLABS AND SLABS-ON-GRADE SHALL BE DESIGNED WITH A SHRINKAGE LIMITATION OF 0.04% AFTER 28 DAYS OF DRYING.
- CONCRETE MIX DESIGNS SHALL BE SUBMITTED TO THE ENGINEER AND APPROVED PRIOR TO USE. SELECTION OF CONCRETE MIX PROPORTIONS SHALL BE IN ACCORDANCE WITH ACI 301. MIX PROPORTIONS SHALL MEET OR EXCEED THE REQUIREMENTS LISTED BELOW FOR THE LOCATIONS NOTED. THE MORE STRINGENT OF THE REQUIREMENTS LISTED SHALL GOVERN.
- SUPPLEMENTARY CEMENTITIOUS MATERIALS (SCM), SUCH AS SLAG, FLY ASH, SILICA FUME, AND CALCINED CLAY, AS A PERCENTAGE OF TOTAL WEIGHT OF CEMENTITIOUS MATERIAL SHALL BE A MINIMUM OF 25 PERCENT AND A MAXIMUM OF 50 PERCENT. COAL FLY ASH, AS A PERCENTAGE OF TOTAL WEIGHT OF CEMENTITIOUS MATERIAL, SHALL BE A MAXIMUM OF 20 PERCENT. COAL FLY ASH SHALL BE CLASS F, MEETING ASTM C618 REQUIREMENTS. FINELY GROUND GRANULATED BLAST-FURNACE SLAG SHALL CONFORM TO ASTM C989. WATER/CEMENT RATIO SHALL BE BASED ON TOTAL CEMENTITIOUS MATERIAL, INCLUDING SUPPLEMENTARY CEMENTITIOUS MATERIALS.
- PROPORTIONS OF AGGREGATE TO CEMENTITIOUS PASTE SHALL BE SUCH AS TO PRODUCE A DENSE, WORKABLE MIX THAT CAN BE PLACED WITHOUT SEGREGATION OR EXCESS FREE SURFACE WATER. SUPERPLASTICIZERS MAY BE USED TO IMPROVE WORKABILITY IN THIN OR CONGESTED SECTIONS.
- ALL CONCRETE USED IN HORIZONTAL SURFACES EXPOSED TO THE WEATHER SHALL CONTAIN AN ACCEPTABLE ADMIXTURE TO PRODUCE AIR-ENTRAINED CONCRETE WITH TOTAL AIR CONTENT OF 4.5 PERCENT +/- 1 PERCENT. AIR CONTENT SHALL BE MEASURED AT THE DISCHARGE OF THE TRUCK. IF CONCRETE IS PUMPED, AIR CONTENT SHALL BE MEASURED AT THE DISCHARGE END OF THE PUMP LINE. TESTS FOR AIR CONTENT SHALL MEET ASTM C172 REQUIREMENTS.
- CONCRETE SHALL HAVE THE FOLLOWING CHARACTERISTICS:

LOCATION	STRENGTH, fc' MIN	TEST AGE	MAXIMUM		MAX SLUMP
			AGGREGATE SIZE	WATER/CEMENT RATIO	
FOOTINGS	3,000 PSI	28 DAYS	1 1/2"	0.50	4"
SLAB-ON-GRADE	3,000 PSI	28 DAYS	3/4"	0.45	4"
COLUMNS	4,000 PSI	28 DAYS	3/4"	0.45	3 1/2"
WALLS	4,000 PSI	28 DAYS	3/4"	0.45	3 1/2"
BEAMS & SUSPENDED SLABS	4,000 PSI	28 DAYS	3/4"	0.45	3 1/2"

- PIPES OTHER THAN ELECTRICAL CONDUITS SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY THE ENGINEER. OUTSIDE DIAMETER OF CONDUIT EMBEDDED IN CONCRETE SHALL NOT EXCEED 1/6 TIMES THE MEMBER THICKNESS, OR 1 1/4", WHICHEVER IS LESS, WITHOUT APPROVAL OF THE ENGINEER. MINIMUM CLEAR DISTANCE BETWEEN CONDUITS OR REBAR SHALL BE 3 TIMES CONDUIT-DIAMETER (LARGER CONDUIT) OR 1 INCH, WHICHEVER IS GREATER. CONDUIT EMBEDDED IN SLABS SHALL BE EMBEDDED IN ONE LAYER AT MID-DEPTH OF SLABS. CONDUITS SHALL BE FIRMLY CHAIRED AND TIED TO PREVENT DISPLACEMENT DURING CONCRETE PLACEMENT. CONDUIT CAN BE TIED TO REBAR WHEN ORIENTED PERPENDICULAR TO THEM, PROVIDE THE LOCATION OF THE REBAR IS NOT AFFECTED BY THE CONDUIT. PLACE #3 AT 12 INCHES ADDED REINFORCEMENT PERPENDICULAR TO CONDUITS WHERE REQUIRED TO SUPPORT CONDUIT. CONDUITS WITHOUT CLEARANCE NOTED ABOVE SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION. ADDED TRIM REINFORCEMENT WILL BE REQUIRED WHERE CLEARANCES CANNOT BE MET, SUCH AS ELECTRICAL PANEL ROOMS.
- SLEEVES, WHEN EMBEDDED IN CONCRETE, SHALL BE SPACED WITH ONE SLEEVE-DIAMETER (LARGER SLEEVE) CLEAR BETWEEN ADJACENT SLEEVES OR REBAR, OR 1 INCH, WHICHEVER IS GREATER. SLEEVES WITHOUT CLEARANCE NOTED ABOVE SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO INSTALLATION. ADDED TRIM REINFORCEMENT WILL BE REQUIRED WHERE CLEARANCES CANNOT BE MET, SUCH AS ELECTRICAL PANEL ROOMS.
- ALUMINUM PIPES, CONDUITS, AND SLEEVES SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE.
- THE CONTRACTOR SHALL INFORM THE ENGINEER AT LEAST 3 DAYS PRIOR TO POURING ANY STRUCTURAL CONCRETE SO THAT THE ENGINEER MAY HAVE THE OPPORTUNITY OF REVIEWING THE WORK PRIOR TO CONCRETE PLACEMENT.
- ALL CONCRETE EXCEPT SLABS-ON-GRADE 6" THICK OR LESS SHALL BE MECHANICALLY VIBRATED AS TO COMPLETELY FILL THE FORM WITHOUT CAUSING UNDUE SEGREGATION.
- FOR EACH CLASS OF CONCRETE, FOUR TEST CYLINDERS FROM EACH 150 CUBIC YARDS OR 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS, PLACED IN ANY ONE DAY, SHALL BE SECURED AND TESTED BY THE BUREAU OF CONSTRUCTION MANAGEMENT - ONE TO BE TESTED AT 7 DAYS, TWO AT 28 DAYS, AND THE FOURTH HELD IN RESERVE. FOR POST-TENSIONED CONCRETE, SECURE FIVE CYLINDERS PER 150 CUBIC YARDS OR 5,000 SQUARE FEET OF SURFACE AREA FOR SLABS OR WALLS, PLACE IN ANY ONE DAY, TWO SETS MINIMUM - ONE TO BE TESTED AT 4 DAYS, TWO AT 28 DAYS, AND TWO HELD IN RESERVE.

- THE CONTRACTOR SHALL REMOVE AND REPLACE ANY CONCRETE WHICH FAILS TO ATTAIN SPECIFIED STRENGTH IN 28 DAYS IF SO DIRECTED BY THE ENGINEER. ANY DEFECTS IN THE HARDENED CONCRETE SHALL BE SATISFACTORILY REPAIRED OR THE HARDENED CONCRETE SHALL BE REPLACED.
- ALL CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ACI 318 AND THE TYPICAL CONSTRUCTION JOINT DETAILS SHOWN ON THE STRUCTURAL DRAWINGS. ALL SURFACES OF CONSTRUCTION JOINTS SHALL BE CLEANED TO REMOVE DUST, CHIPS, OR OTHER FOREIGN MATTER PRIOR TO PLACING THE ADJACENT CONCRETE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LOCATIONS OF CONSTRUCTION JOINTS TO THE ARCHITECT FOR REVIEW PRIOR TO START OF CONSTRUCTION.
- WHERE NEW CONCRETE IS TO BE CAST AGAINST EXISTING CONCRETE, THE EXISTING CONCRETE SURFACE SHALL BE ROUGHENED TO A MINIMUM OF 1/4" AMPLITUDE BY SANDBLASTING OR BUSH HAMMERING. THE EXISTING SURFACE SHALL BE CLEANED AND LAITANCE REMOVED. APPLY "SIKADUR 32, HI-MOD" EPOXY BONDING ADHESIVE, AS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NEW JERSEY, OR APPROVED EQUAL, TO EXISTING CONCRETE SURFACE PRIOR TO PLACEMENT OF NEW CONCRETE.

REINFORCING STEEL

- REINFORCING STEEL DETAILING, FABRICATION, AND PLACEMENT SHALL CONFORM TO THE ACI 318, CHAPTER 7.
- REINFORCING STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS:
 

DEFORMED BARS	ASTM A615 OR ASTM A706, GRADE 60
DEFORMED BARS USED IN SHEAR WALLS AND MOMENT-RESISTING-FRAMES	ASTM A706, GRADE 60
WELDED REINFORCEMENT, WHEN SPECIFIED BY THE ENGINEER	ASTM A706, GRADE 60
WELDED WIRE FABRIC (WWF) (SMOOTH WIRE)	ASTM A185
WELDED WIRE REINFORCEMENT (DEFORMED WIRE)	ASTM A496, ASTM A497
SPIRAL REINFORCEMENT	ASTM A615
- ALL STEEL REINFORCING BAR BENDS SHALL BE MADE COLD.
- REINFORCEMENT AND EMBEDMENTS SHALL BE ACCURATELY POSITIONED AND SECURED AGAINST DISPLACEMENT BEFORE AND DURING CONCRETE PLACEMENT. PROVIDE SUFFICIENT SUPPORTS TO PREVENT DAMAGE OR DISPLACEMENT DUE TO CONSTRUCTION TRAFFIC ON REINFORCEMENT.
- PROVIDE CONTINUOUS REINFORCEMENT WHEREVER POSSIBLE. SPLICE ONLY AS SHOWN OR APPROVED.
- WHERE NOTED ON PLANS, PROVIDE THREADED COUPLERS CAPABLE OF DEVELOPING 125% OF THE SPECIFIED YIELD STRENGTH OF THE REINFORCING STEEL. THREADED COUPLERS SHALL BE "LENTON COUPLERS", AS MANUFACTURED BY ERICO COMPANY, SOLON, OHIO, OR APPROVED EQUAL WITH CURRENT ICC-ES EVALUATION REPORT.
- WELDING (INCLUDING TACK WELD) OR REINFORCING BARS IS PROHIBITED EXCEPT WHERE DETAILED OR APPROVED IN WRITING BY ENGINEER.
- REINFORCEMENT CROSSING CONSTRUCTION JOINTS SHALL BE CONTINUOUS OR LAP SPLICED PER TENSION LAP TABLE OR APPROVED COUPLERS.
 

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH:	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
#6 THROUGH #18 BARS	2"
#5 BAR, W31 OR D31 WIRE, AND SMALLER	1 1/2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS	
#14 AND #18 BARS	1 1/2"
#11 BAR AND SMALLER	3/4"
BEAMS, COLUMNS	1 1/2"
- SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE ELEVATION OF ALL BEAMS AND COLUMNS SHOWING BAR AND LAP LOCATIONS. SUBMIT MILL CERTIFICATES FOR REINFORCING STEEL PRIOR TO REBAR PLACEMENT.

GROUT AND ADHESIVES

- NON-SHRINK GROUT SHALL BE "SIKAGROUT 212", AS MANUFACTURED BY SIKA CORPORATION, LYNDHURST, NEW JERSEY, OR APPROVED EQUAL. NON-SHRINK GROUT SHALL BE NON-METALLIC AND CONTAIN NO CHLORIDES.

ADHESIVE AND MECHANICAL ANCHORS

- ADHESIVE ANCHORS FOR CONCRETE CONSTRUCTION SHALL USE "HILTI HIT-RE 500-SD EPOXY" (ICC-ES ESR-2322), AS MANUFACTURED BY HILTI INC., TULSA, OKLAHOMA, OR "SIMPSON SET-XP" (ICC-ES ESR-2508), AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC., PLEASANTON, CALIFORNIA, OR APPROVED EQUAL. ADHESIVE ANCHORS SHALL CONFORM TO ICC-ES ACCEPTANCE CRITERIA AC308 FOR CRACKED AND UNCRACKED CONCRETE.

- ADHESIVE ANCHORS IN CONCRETE AND MAONSRY SHALL BE INSTALLED WITH THE FOLLOWING MINIMUM EMBEDMENT AND DIRECT TENSION TEST LOAD AND/OR TORQUE TEST LOAD, U.O.N.:

REBAR OR THREADED BOLT	MIN EMBED	TENSION TEST LOAD	MIN TORQUE
#3 OR 3/8" DIA	3 3/8"	2,000 POUNDS	20 FOOT-POUNDS
#4 OR 1/2" DIA	4 1/2"	4,000 POUNDS	40 FOOT-POUNDS
#5 OR 5/8" DIA	5 3/8"	6,000 POUNDS	50 FOOT-POUNDS
#6 OR 3/4" DIA	6 3/4"	9,000 POUNDS	60 FOOT-POUNDS
#7 OR 7/8" DIA	7 3/8"	12,000 POUNDS	
#8 OR 1" DIA	9"	15,000 POUNDS	

5 PERCENT OF ALL NEW ADHESIVE ANCHORED BOLTS IN EXISTING CONCRETE, BUT NOT LESS THAN TWO BOLTS, SHALL BE SUBJECT TO DIRECT TENSION TEST, AND AN ADDITIONAL 20 PERCENT, BUT NOT LESS THAN THREE BOLTS, SHALL BE TESTED USING A TORQUE CALIBRATED WRENCH. ANCHORS THAT FAIL THE TEST LOAD SHALL BE REPLACED AND RE-TESTED AT CONTRACTOR'S EXPENSE.

- ADHESIVE ANCHORS FOR MASONRY CONSTRUCTION SHALL USE "HILTI HIT HY-150 EPOXY" (ICC-ES ESR-1967), AS MANUFACTURED BY HILTI INC., TULSA, OKLAHOMA, OR APPROVED EQUAL.
- MECHANICAL EXPANSION ANCHORS FOR CONCRETE AND MASONRY CONSTRUCTION SHALL BE "HILTI KWIK BOLT TZ WEDGE ANCHOR" (ICC-ES ESR-1917), AS MANUFACTURED BY HILTI INC., TULSA, OKLAHOMA, OR "SIMPSON STRONG-BOLT WEDGE ANCHOR" (ICC-ES ESR-1771), AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY, INC., PLEASANTON, CALIFORNIA, OR APPROVED EQUAL.

SPECIAL INSPECTION, TESTING, STRUCTURAL OBSERVATION, AND SUBMITTALS

- WHERE INDICATED WITH AN "X", THE FOLLOWING ITEMS SHALL BE INSPECTED IN ACCORDANCE WITH SFBC 1704 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED SPECIAL INSPECTION AGENCY. "C" INDICATES CONTINUOUS SPECIAL INSPECTION AND "P" INDICATES PERIODIC SPECIAL INSPECTION. THE SPECIAL INSPECTION AGENCY SHALL SEND COPIES OF ALL SPECIAL INSPECTION REPORTS DIRECTLY TO THE RESIDENT ENGINEER, ARCHITECT, ENGINEER, AND BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER.

VERIFICATION AND INSPECTION	C	P	NOTES
CONCRETE CONSTRUCTION			
1. INSPECTION OF REINFORCING STEEL PLACEMENT		X	
2. INSPECTION OF REINFORCING STEEL WELDING			
2.1. VERIFICATION OF WELDABILITY			
2.2. REINFORCING STEEL RESISTING FLEXURAL & AXIAL FORCES IN INTERMEDIATE AND SPECIAL MOMENT FRAMES, AND BOUNDARY ELEMENTS OF SPECIAL REINFORCED CONCRETE SHEAR WALLS			
2.3. SHEAR REINFORCEMENT			
2.4. OTHER REINFORCING STEEL			
3. INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE	X		
4. VERIFY USE OF REQUIRED DESIGN MIX		X	
5. FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE TEMPERATURE OF CONCRETE		X	
6. INSPECTION OF CONCRETE & SHOTCRETE PLACEMENT	X		
7. INSPECTION OF CONCRETE CURING		X	
8. INSPECTION OF PRESTRESSED CONCRETE			
8.1. APPLICATION OF PRESTRESSING FORCES			
8.2. GROUTING OF BONDED PRESTRESSING TENDONS			
9. ERECTION OF PRECAST CONCRETE MEMBERS			
10. VERIFICATION OF IN-SITU CONCRETE STRENGTH			PRIOR TO REMOVAL OF FORMS
11. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED		X	

VERIFICATION AND INSPECTION	C	P	NOTES
SOILS			
1. VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIRED BEARING CAPACITY		X	BY GEOTECHNICAL ENGINEER
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND REACHED PROPER MATERIAL		X	BY GEOTECHNICAL ENGINEER
3. PERFORM CLASSIFICATION AND TESTING OF ENGINEERED FILL MATERIAL		X	BY GEOTECHNICAL ENGINEER
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF ENGINEERED FILL		X	BY GEOTECHNICAL ENGINEER
5. PRIOR TO PLACEMENT OF ENGINEERED FILL, OBSERVE SUBGRADE & VERIFY THAT SITE HAS BEEN PREPARED PROPERLY		X	BY GEOTECHNICAL ENGINEER

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Project

2008 PARK BOND RESTROOM REPLACEMENT PROJECT CONTEMPORARY DESIGN

STATES STREET PARK RESTROOM  
122 STATES ST. San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant

DESIGNED BY:		RL	DATE
DRAWN BY:		BH	03/2012
CHECKED BY:		RL	03/2012
APPROVED			
RAYMOND R. LUI		DATE:	
SECTION MANAGER:		DATE:	
NORMAN CHAN		DATE:	
DEPUTY DIVISION MANAGER:		DATE:	
PATRICK RIVERIA		DATE:	
DIVISION MANAGER:		DATE:	

No.	Date	Revisions

Section Head  
T. LEUNG  
Proj. Mgr.  
M. YEE  
Proj. Arch.  
T. LEUNG  
Drawn  
Date  
MARCH 2012  
Phase  
PERMIT SET



Drawing Title

STRUCTURAL GENERAL NOTES

Sheet No.

S1.2

Scale NONE

Job No.

3092V







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Project

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SAN FRANCISCO, CA 94102-6028

DESIGNED BY: RL 03/2012  
DRAWN BY: BH 03/2012  
CHECKED BY: RL 03/2012

APPROVED  
RAYMOND R. LUI  
SECTION MANAGER: DATE:  
NORMAN CHAN  
DEPUTY DIVISION MANAGER: DATE:  
PATRICK RIVERIA  
DIVISION MANAGER: DATE:

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MARCH 2012  
Phase  
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Drawing Title

TYPICAL CONCRETE  
DETAILS

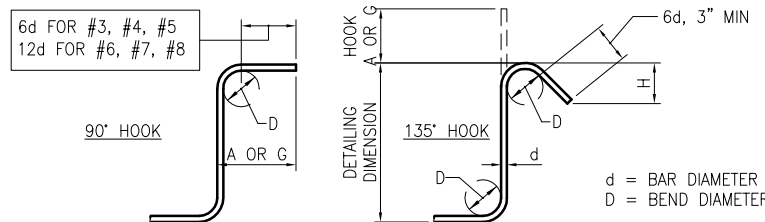
Sheet No.

S1.4

Scale  
Job No.

NONE

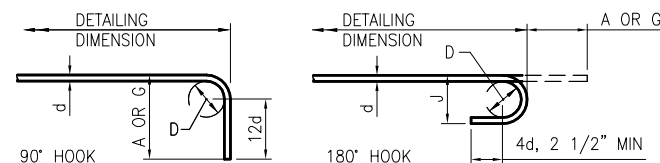
3092V



BAR SIZE	D	STIRRUP / TIE HOOK		
		90° HOOKS A OR G	135° HOOKS A OR G	APPROX H
#3	1 1/2"	4"	4 1/4"	3"
#4	2"	4 1/2"	4 1/2"	3"
#5	2 1/2"	6"	5 1/2"	3 3/4"
#6	4 1/2"	1'-0"	8"	4 1/2"
#7	5 1/4"	1'-2"	9"	5 1/4"
#8	6"	1'-4"	10 1/2"	6"

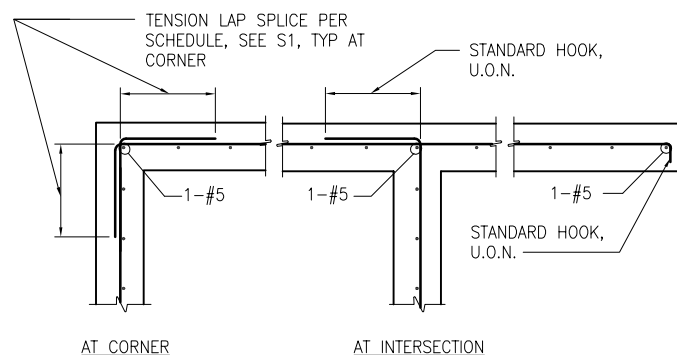
TYPICAL REINFORCEMENT BAR HOOKS AND BENDS

SCALE: N.T.S.

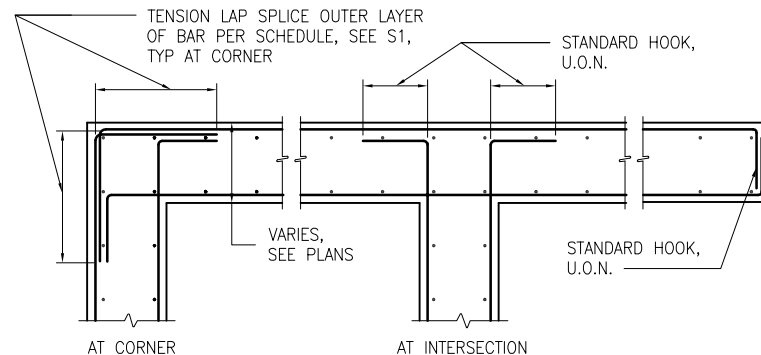


BAR SIZE	D	MAIN REBAR HOOK		
		90° HOOKS A OR G	J	180° HOOKS A OR G
#3	2 1/4"	6"	3"	5"
#4	3"	8"	4"	6"
#5	3 3/4"	10"	5"	7"
#6	4 1/2"	1'-0"	6"	8"
#7	5 1/4"	1'-2"	7"	10"
#8	6"	1'-4"	8"	11"
#9	9 1/2"	1'-7"	11 3/4"	1'-3"
#10	10 3/4"	1'-10"	1'-1 1/4"	1'-5"
#11	1'-0"	2'-0"	1'-2 3/4"	1'-7"
#14	1'-6 1/4"	2'-7"	1'-9 3/4"	2'-3"
#18	2'-0"	3'-5"	2'-4 1/2"	3'-0"

1



SINGLE CURTAIN REINF. DETAILS



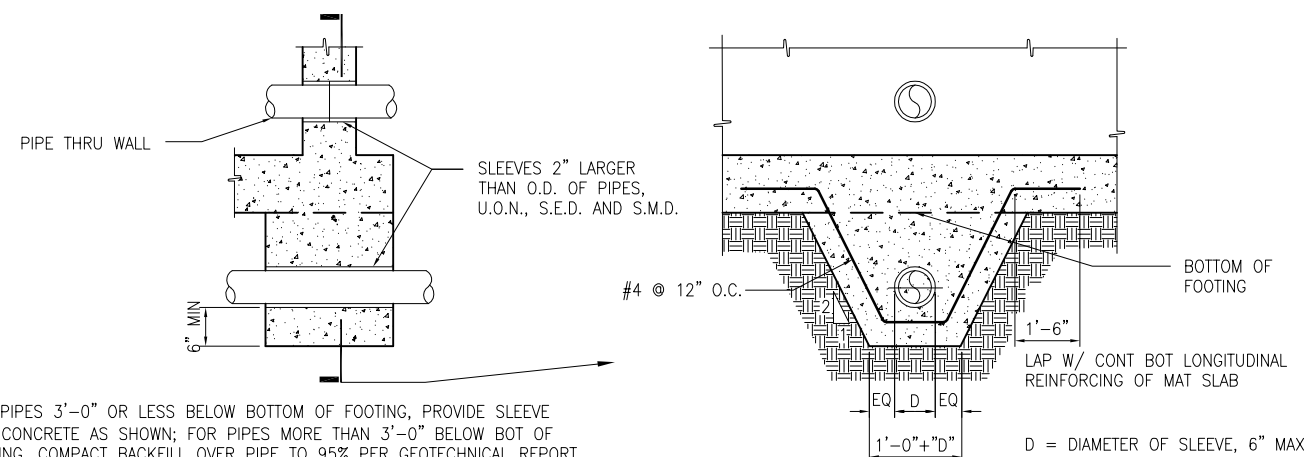
DOUBLE CURTAIN REINF. DETAILS

NOTE:  
REINFORCEMENT SHOWN ON FOUNDATION DETAILS, WALL ELEVATIONS, AND OTHER SPECIFICALLY REFERENCED DETAILS TAKE PRECEDENCE OVER REINFORCEMENT SHOWN HERE.

TYPICAL CONCRETE REINFORCEMENT AT CORNERS AND INTERSECTIONS

SCALE: N.T.S.

3



NOTE:  
1. FOR PIPES 3'-0" OR LESS BELOW BOTTOM OF FOOTING, PROVIDE SLEEVE AND CONCRETE AS SHOWN; FOR PIPES MORE THAN 3'-0" BELOW BOT OF FOOTING, COMPACT BACKFILL OVER PIPE TO 95% PER GEOTECHNICAL REPORT.  
2. FOR PIPE SLEEVES LARGER THAN 6" DIAMETER, SEE DETAIL X/S1.9

TYPICAL DETAIL AT PIPES PERPENDICULAR TO FOOTING

SCALE: N.T.S.

5

BAR SIZE	f'c = 3,000 PSI			
	MIN DEVELOPMENT LENGTH		MIN LAP SPlice LENGTH	
	STRAIGHT	HOOKED	TOP	OTHER
#3	1'-10"	1'-5"	0'-9"	2'-4"
#4	2'-5"	1'-10"	0'-11"	3'-1"
#5	3'-0"	2'-4"	1'-2"	3'-11"
#6	3'-7"	2'-9"	1'-5"	4'-8"
#7	5'-3"	4'-0"	1'-8"	6'-9"
#8	6'-0"	4'-7"	1'-10"	7'-9"
#9	6'-9"	5'-2"	2'-1"	8'-9"
#10	7'-6"	5'-10"	2'-4"	9'-10"
#11	8'-5"	6'-6"	2'-7"	10'-11"

- ALL REINFORCING BARS SHALL BE DEVELOPED OR LAP SPliced AS SHOWN, U.O.N.
- LAP SPlice LOCATIONS SHALL BE STAGGERED WHENEVER POSSIBLE.
- TOP BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE LAP SPlice.

DEVELOPMENT LENGTH & LAP SPlice SCHEDULE

SCALE: N.T.S.

2

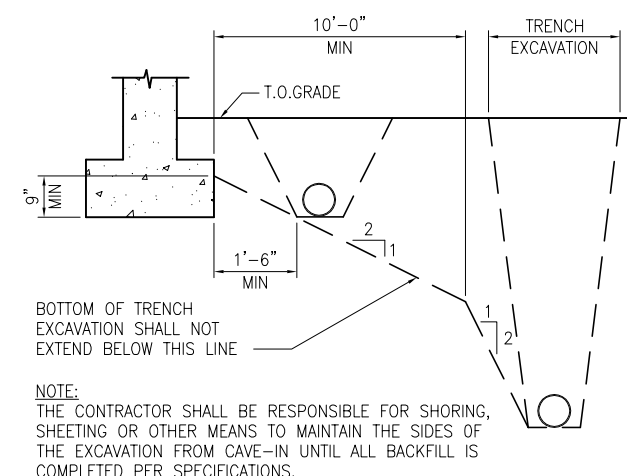
BAR SIZE	f'c = 4,000 PSI			
	MIN DEVELOPMENT LENGTH		MIN LAP SPlice LENGTH	
	STRAIGHT	HOOKED	TOP	OTHER
#3	1'-7"	1'-3"	0'-8"	2'-0"
#4	2'-1"	1'-7"	0'-10"	2'-8"
#5	2'-7"	2'-0"	1'-0"	3'-5"
#6	3'-1"	2'-5"	1'-3"	4'-1"
#7	4'-6"	3'-6"	1'-5"	5'-11"
#8	5'-2"	4'-0"	1'-7"	6'-9"
#9	5'-10"	4'-6"	1'-10"	7'-7"
#10	6'-7"	5'-1"	2'-1"	8'-6"
#11	7'-3"	5'-7"	2'-3"	9'-5"

- ALL REINFORCING BARS SHALL BE DEVELOPED OR LAP SPliced AS SHOWN, U.O.N.
- LAP SPlice LOCATIONS SHALL BE STAGGERED WHENEVER POSSIBLE.
- TOP BARS ARE HORIZONTAL BARS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE LAP SPlice.

DEVELOPMENT LENGTH & LAP SPlice SCHEDULE

SCALE: N.T.S.

4



TYPICAL DETAIL AT PIPES PARALLEL TO FOOTING

SCALE: N.T.S.

6



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Project \_\_\_\_\_

2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN

STATES STREET PARK RESTROOM  
122 STATES ST. San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant \_\_\_\_\_

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028			
DESIGNED BY:	RL	DATE:	03/2012
DRAWN BY:	BH	DATE:	03/2012
CHECKED BY:	RL	DATE:	03/2012
APPROVED			
RAYMOND R. LUI		DATE:	
SECTION MANAGER:		DATE:	
NORMAN CHAN		DATE:	
DEPUTY DIVISION MANAGER:		DATE:	
PATRICK RIVERIA		DATE:	
DIVISION MANAGER:		DATE:	

No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title \_\_\_\_\_

TYPICAL CONCRETE  
DETAILS

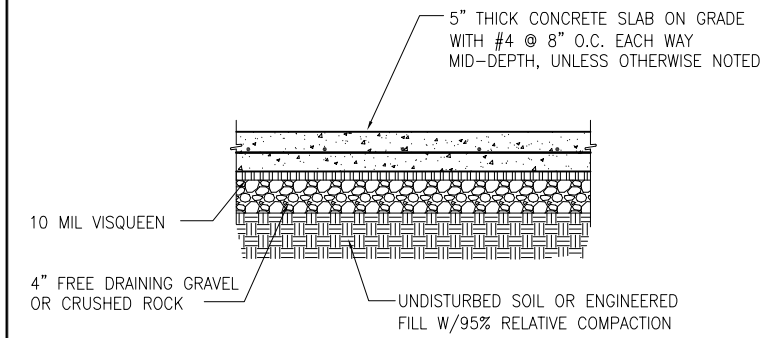
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S1.5

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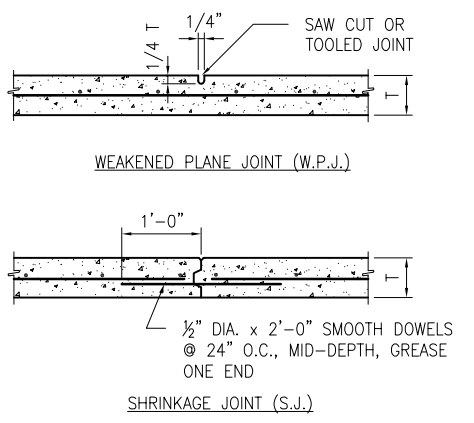
Job No. \_\_\_\_\_

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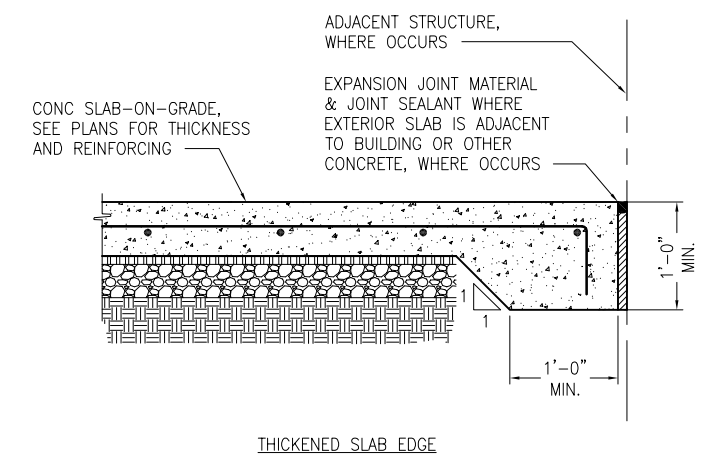
NOTE:  
REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION ON  
SUB-GRADE PREPARATION AND SLAB-ON-GRADE CONSTRUCTION.

**TYPICAL CONCRETE SLAB-ON-GRADE** 1  
SCALE: N.T.S.

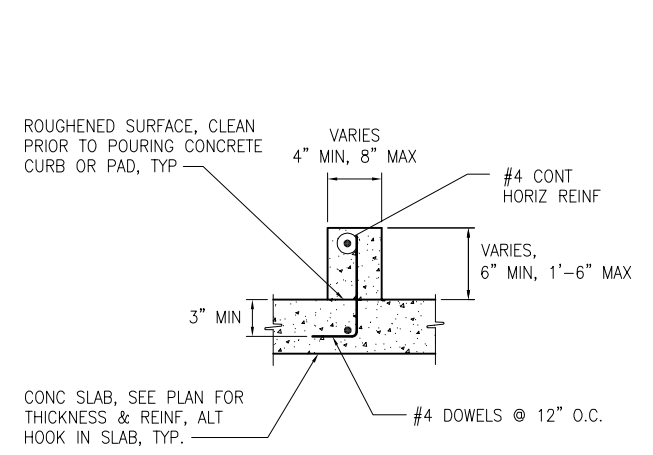


- NOTES:
- FOR SLAB THICKNESS AND REINFORCEMENT, SEE PLANS.
  - CONTRACTOR TO DETERMINE CONTROL JOINT LOCATIONS AND SUBMIT TO ENGINEER FOR REVIEW.
  - LOCATE WEAKENED PLANE JOINTS (W.P.J.) TO ENCLOSE APPROXIMATE AREAS OF 600 SQUARE FEET AND SPACE 20'-0" O.C. MAXIMUM.
  - LOCATE SHRINKAGE JOINTS (S.J.) TO ENCLOSE APPROXIMATE AREAS OF 3,600 SQUARE FEET MAXIMUM.
  - S.J. MAY BE USED AS CONSTRUCTION JOINTS (C.J.) FOR SLABS ON GRADE WHERE REQUIRED.
  - FOR SAW CUT, CUT SLAB IMMEDIATELY AFTER INITIAL CONCRETE SET AND BEFORE FINAL CURING.
  - S.J. MAY BE FORMED BY USING WOOD EDGE FORM WITH BEVELED 1x KEYS x 12" LONG AT 24" O.C. OR CONTINUOUS "BURKE" KEYS KOLD JOINT, OR APPROVED EQUAL.

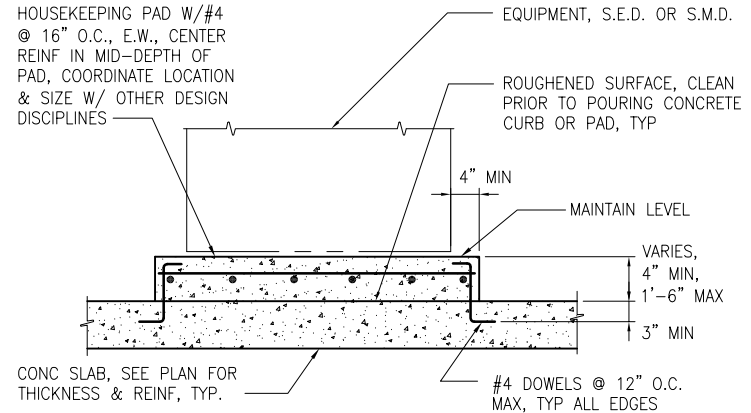
**TYPICAL SLAB-ON-GRADE CONTROL JOINTS** 2  
SCALE: N.T.S.



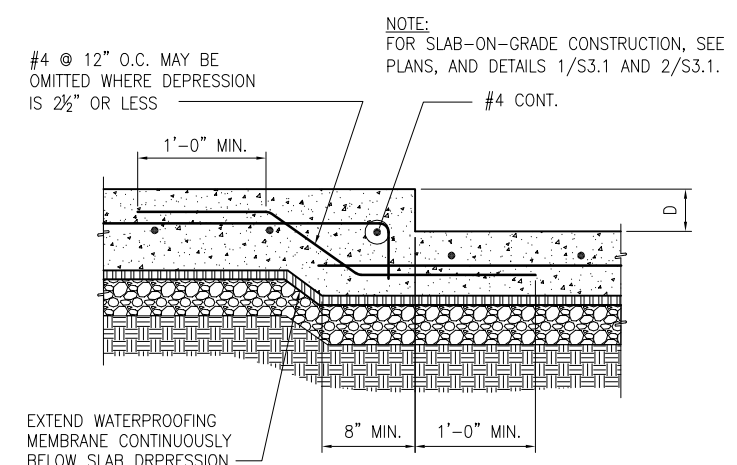
**TYPICAL SLAB-ON-GRADE THICKENED EDGE** 3  
SCALE: N.T.S.



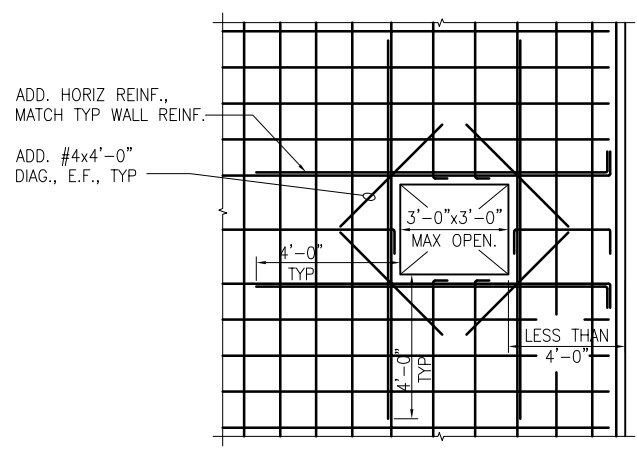
**TYPICAL CONCRETE CURB** 4  
SCALE: N.T.S.



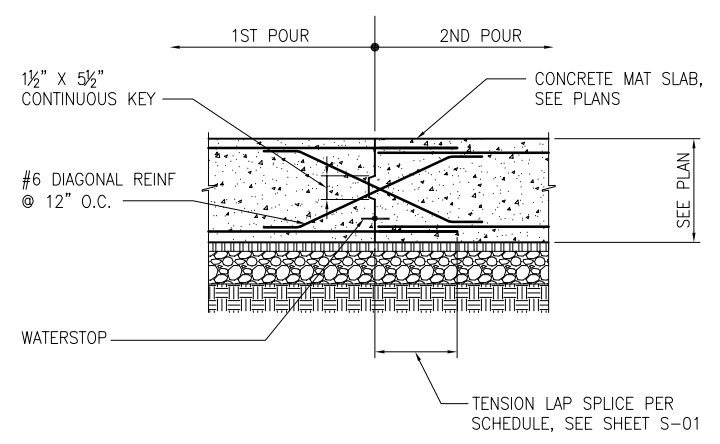
**TYPICAL CONCRETE HOUSEKEEPING PAD** 5  
SCALE: N.T.S.



**TYPICAL DEPRESSED SLAB-ON-GRADE** 6  
SCALE: N.T.S.



**TYPICAL OPENING IN CONC WALL** 7  
SCALE: 3/8"=1'-0"



**TYPICAL CONCRETE MAT CONSTRUCTION JOINT** 8  
SCALE: N.T.S.

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Project \_\_\_\_\_

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CONTEMPORARY DESIGN

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Consultant \_\_\_\_\_

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DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
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SAN FRANCISCO, CA 94102-6028

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M. YEE  
Proj. Arch. \_\_\_\_\_  
T. LEUNG  
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Date \_\_\_\_\_  
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TYPICAL CONCRETE  
DETAILS

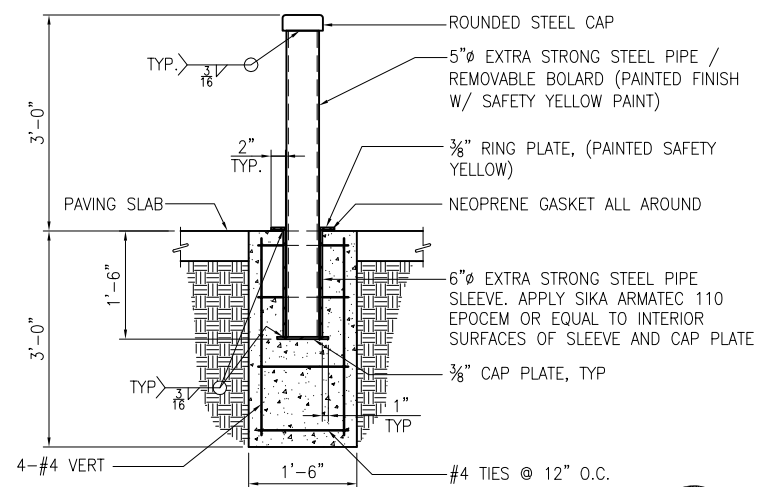
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S1.6

Scale NONE

Job No. \_\_\_\_\_

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**TYPICAL REMOVABLE BOLLARD**

SCALE: N.T.S.

1  
—

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FOUNDATION AND ROOF  
PLANS

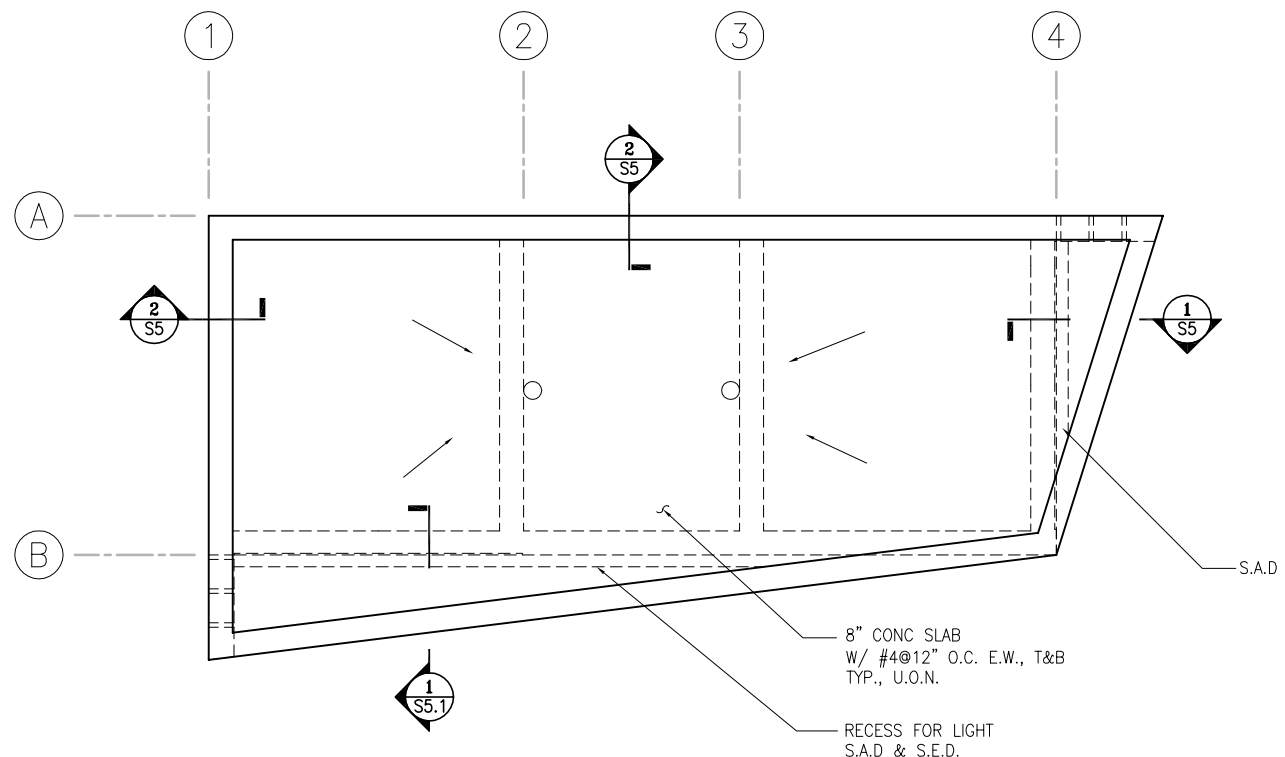
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S2.1

Scale 3/8"=1'-0"

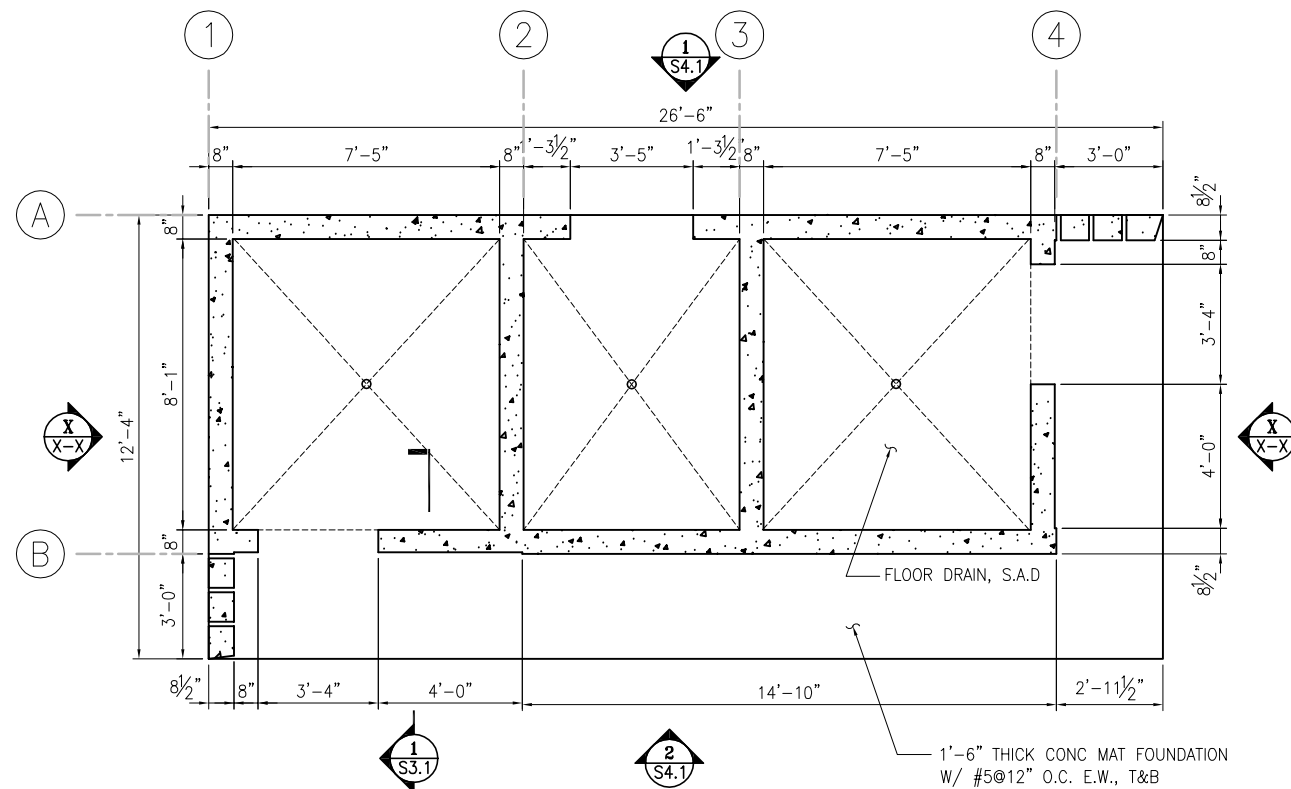
Job No. \_\_\_\_\_

3092V



ROOF FRAMING PLAN  
SCALE: 3/8"=1'-0"

1  
-



FOUNDATION AND FLOOR FRAMING PLAN  
SCALE: 3/8"=1'-0"

2  
-

SHEET NOTES:

- FOR GENERAL NOTES, REFER TO SHEETS S1.1 TO S1.3.  
FOR TYPICAL CONCRETE DETAILS, REFER TO SHEETS S1.4 TO S1.5.
- VERIFY ALL DIMENSIONS, ELEVATIONS, FINISH SURFACES, SLOPES, DRAINS,  
SLAB DEPRESSIONS, ETC. WITH ARCHITECTURAL AND LANDSCAPE DRAWINGS  
PRIOR TO START OF CONSTRUCTION.
- SLOPE SLABS TO DRAIN. FOR DRAIN LOCATIONS, SEE ARCHITECTURAL  
DRAWINGS.
- FOR ROOFING, SEE ARCHITECTURAL DRAWINGS.
- MECHANICAL FANS NOT SHOWN, SUPPORTS TO BE DESIGN-BUILD ITEM, SEE  
MECHANICAL DRAWINGS.
- PROVIDE CURING AND SEALING COMPOUND ON FINISHED CONCRETE SURFACES.
- FOR SCORE LINES IN CONCRETE SLAB-ON-GRADE, SEE ARCHITECTURAL  
DRAWINGS.



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REPLACEMENT PROJECT  
CONTEMPORARY DESIGN

STATES STREET PARK RESTROOM  
122 STATES ST. San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant \_\_\_\_\_

INFRASTRUCTURE DIVISION  
DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028

DESIGNED BY:	RL	DATE	03/2012
DRAWN BY:	BH	DATE	03/2012
CHECKED BY:	RL	DATE	03/2012

APPROVED	
RAYMOND R. LUI SECTION MANAGER:	DATE:
NORMAN CHAN DEPUTY DIVISION MANAGER:	DATE:
PATRICK RIVERIA DIVISION MANAGER:	DATE:

No.	Date	Revisions

Section Head \_\_\_\_\_  
T. LEUNG  
Proj. Mgr. \_\_\_\_\_  
M. YEE  
Proj. Arch. \_\_\_\_\_  
T. LEUNG  
Drawn \_\_\_\_\_  
Date \_\_\_\_\_  
MARCH 2012  
Phase \_\_\_\_\_  
PERMIT SET



Drawing Title \_\_\_\_\_

FOUNDATION  
DETAILS

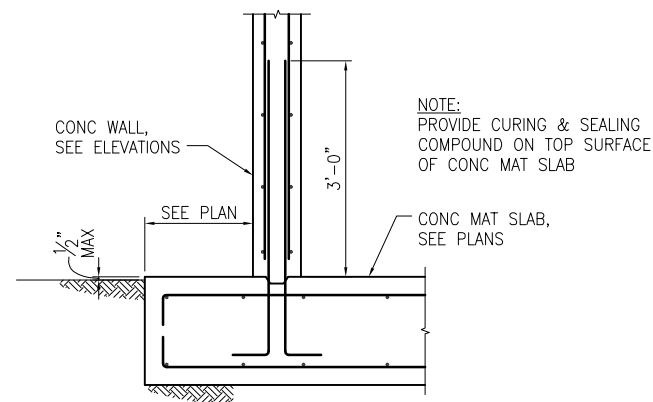
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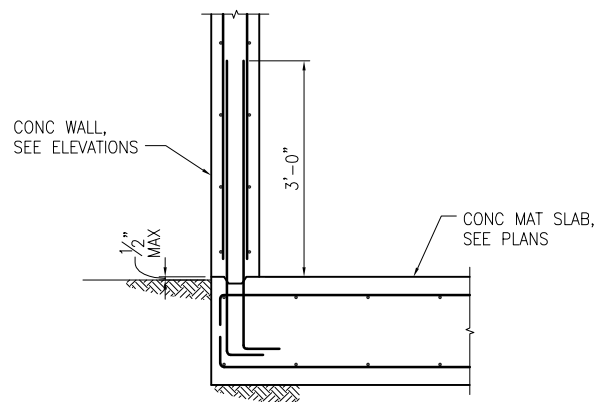
Job No. \_\_\_\_\_

3092V



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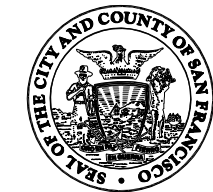
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SECTION DETAIL  
SCALE: 3/4"=1'-0"

2

**BUILDING DESIGN & CONSTRUCTION**



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Tara D. Lamont - Acting Deputy Division Manager  
30 Van Ness Avenue Suite 4100  
San Francisco, CA (415) 557-4700  
94102-6028 Fax (415) 5574701

Project \_\_\_\_\_

**2008 PARK BOND RESTROOM  
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Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET



Drawing Title \_\_\_\_\_

**WALL ELEVATION & DETAILS**

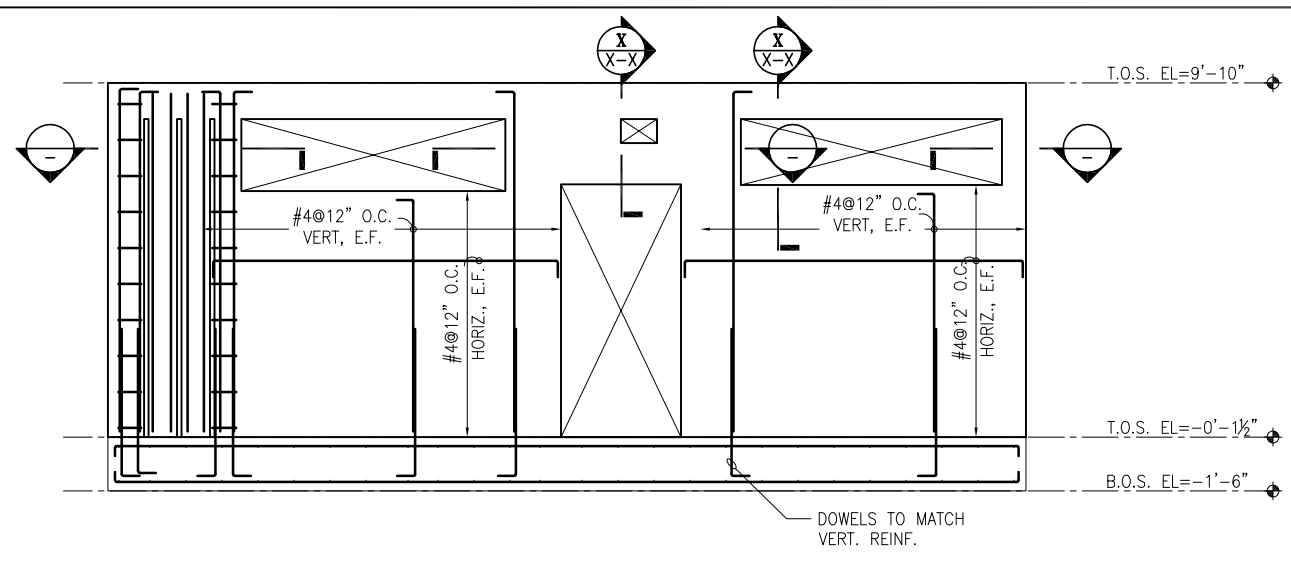
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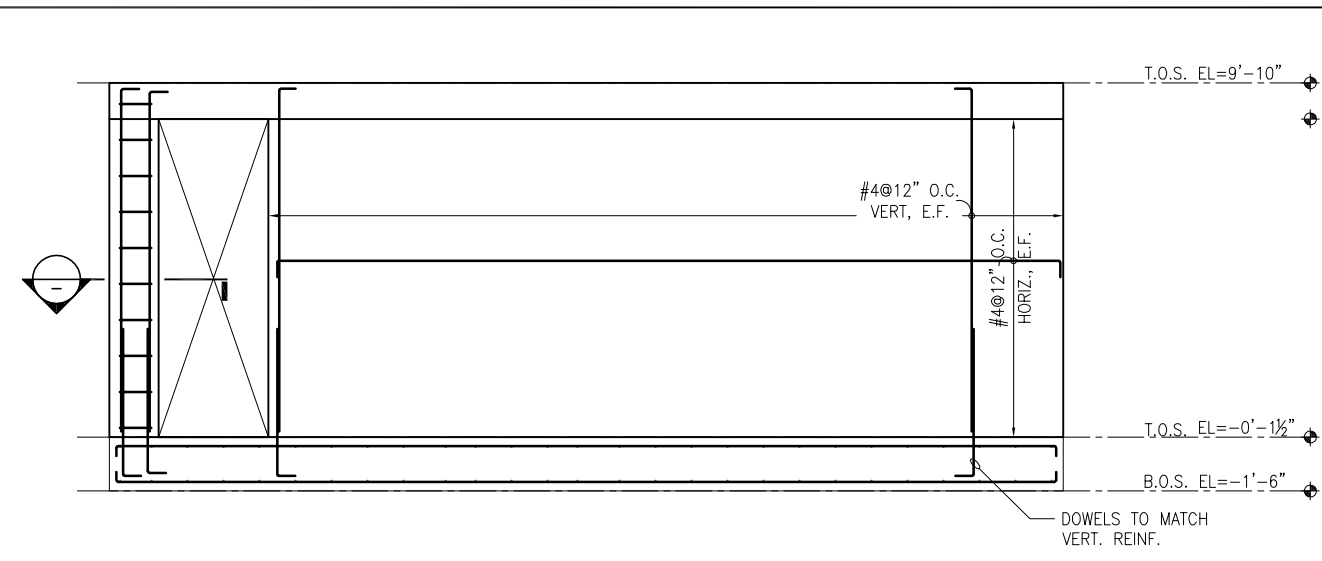
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Job No. \_\_\_\_\_

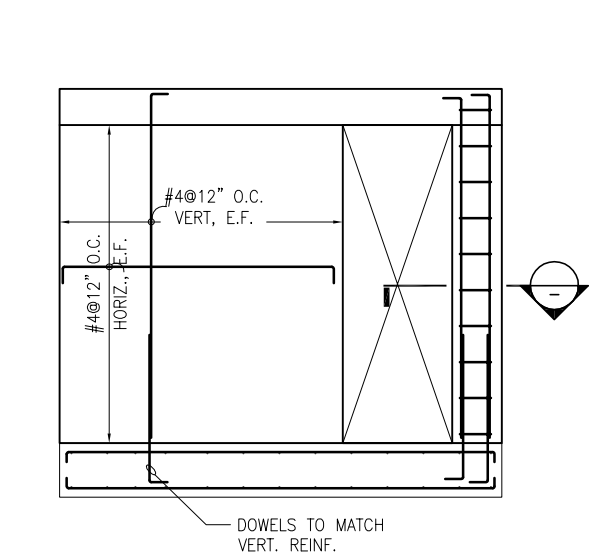
3092V



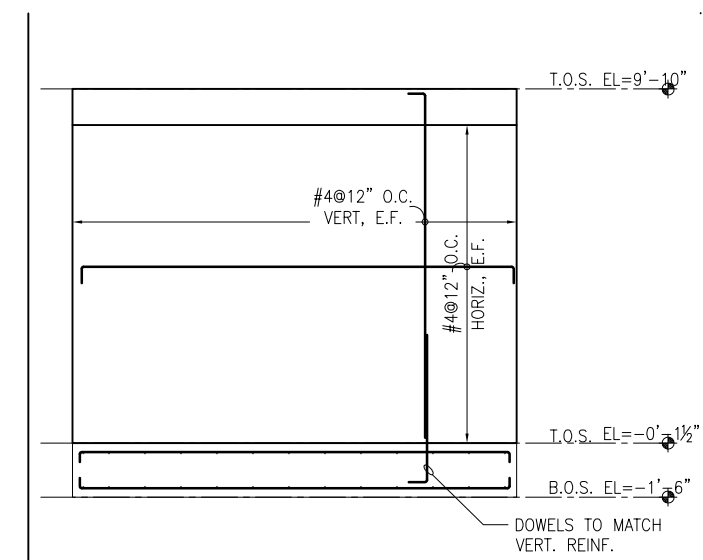
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**1**



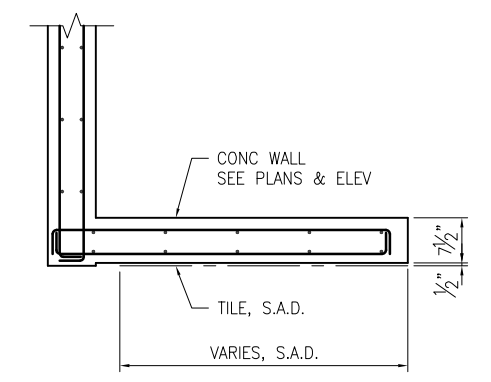
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SCALE: 3/8"=1'-0"  
**2**



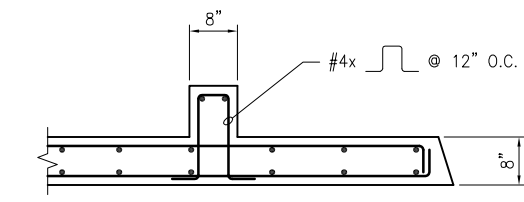
**EXTERIOR WALL ELEVATION - EAST**  
SCALE: 3/8"=1'-0"  
**3**



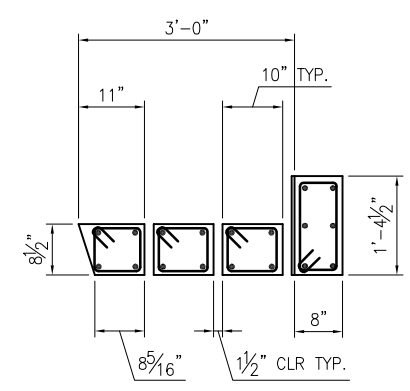
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SCALE: 3/8"=1'-0"  
**4**



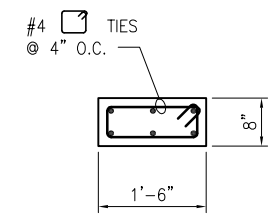
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SCALE: 3/4"=1'-0"  
**7**



**DETAIL**  
SCALE: 3/4"=1'-0"  
**8**

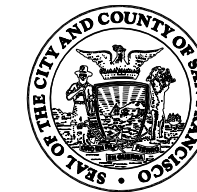


**DETAIL**  
SCALE: 3/4"=1'-0"  
**5**



**PLAN DETAIL (TRANSOM)**  
SCALE: 3/4"=1'-0"  
**6**

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T. LEUNG  
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MARCH 2012  
Phase \_\_\_\_\_  
PERMIT SET



Drawing Title \_\_\_\_\_

WALL DETAILS

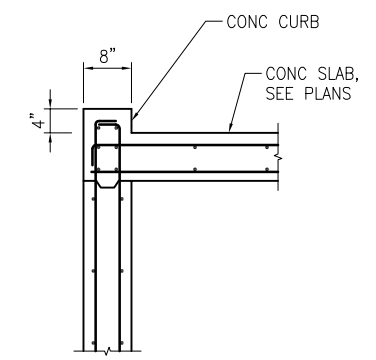
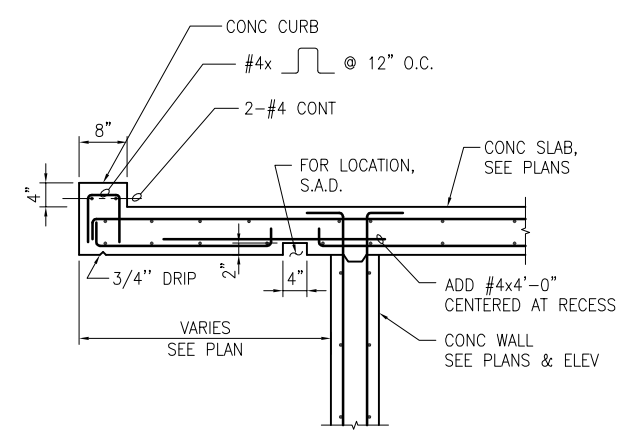
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S5.1

Scale AS NOTED

Job No. \_\_\_\_\_

3092V



SECTION DETAIL  
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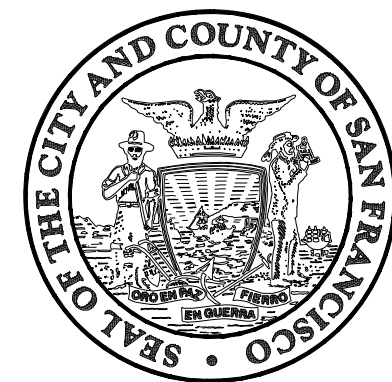
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SECTION DETAIL  
SCALE: 3/4"=1'-0"

2



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DESIGNED BY: EC	DATE
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Section Head \_\_\_\_\_

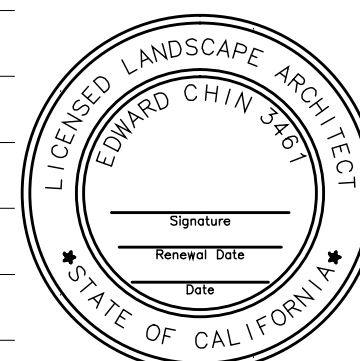
Proj. Mgr. \_\_\_\_\_

Proj. Arch. \_\_\_\_\_

Drawn \_\_\_\_\_

Date \_\_\_\_\_

Phase \_\_\_\_\_



Drawing Title \_\_\_\_\_

**DRAWING INDEX,  
NOTES & ABBREVIATIONS**

Sheet No. \_\_\_\_\_

**L-0.1**

Scale N/A

Job No. \_\_\_\_\_ **3092V**

**GENERAL NOTES**

ALL WORK SHALL BE COMPLETED IN A THOROUGH AND WORKMANLIKE MANNER.

ALL WORK TO BE PERFORMED SHALL CONFORM TO ALL APPLICABLE CODES AND ORDINANCES OF GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE PROJECT.

PROTECT ALL UTILITIES, IMPROVEMENTS AND STRUCTURES AND RESTORE TO NEW CONDITION AT NO ADDITIONAL COST TO THE CITY IF DAMAGED DURING THE COURSE OF WORK.

COORDINATE ALL WORK TO PREVENT CONFLICTS BETWEEN TRADES AND REPORT CONFLICTS OR INCONGRUITIES BETWEEN NEW IMPROVEMENTS AND/OR EXISTING FACILITIES TO THE CITY REPRESENTATIVE IMMEDIATELY.

THE CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION AND INSTALLATION OF ALL PLUMBING AND ELECTRICAL ITEMS TO BE INSTALLED AS A PART OF THIS WORK.

CLEAR AND REMOVE ALL ORGANIC MATTER, DEBRIS AND RUBBISH FROM WITHIN THE LIMIT OF WORK. CONTRACTOR SHALL DISPOSE OF SAID MATERIAL IN A LEGAL MANNER AS HIS PROPERTY.

IN ADDITION TO THESE DRAWINGS, REFER TO CCSF STANDARD SPECIFICATIONS.

**DEMOLITION NOTES**

CONTRACTOR SHALL PROVIDE PROTECTION AND REGULAR IRRIGATION WATER FOR ALL EXISTING PLANT MATERIAL TO REMAIN FOR THE ENTIRE DURATION OF THE PROJECT.

PROTECT ALL EXISTING TREES AND OTHER SITE ELEMENTS DESIGNATED TO REMAIN.

HAND EXCAVATE AROUND DRIP LINE OF TREES; CONTACT RECREATION PARK URBAN FORESTRY (415) 753-7041 TO ASSESS TREE PRIOR TO CUTTING ANY ROOTS OVER 1" DIA.

SAWCUT (E) PAVING AT CONTROL JOINTS TO FULL DEPTH IN A STRAIGHT, PLUMB AND CLEAN MANNER.

PROVIDE CONSTRUCTION FENCING AT ALL PROPERTY LINES TO PREVENT PUBLIC ACCESS THROUGHOUT CONSTRUCTION PERIOD. SEE SPEC FOR ADDITIONAL INFORMATION.

ALL MATERIALS NOTED TO BE DEMOLISHED AND REMOVED SHALL BE DISPOSED OF IN A LEGAL MANNER AS CONTRACTOR'S PROPERTY.

**LAYOUT NOTES**

VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE CITY REPRESENTATIVE PRIOR TO PROCEEDING.

WRITTEN DIMENSIONS ON DRAWINGS SUPERSEDE SCALE DIMENSIONS.

ALL DIMENSIONS ARE TO BE MEASURED HORIZONTALLY.

VERIFY LOCATION AND ELEVATIONS OF UTILITY VAULTS AND OTHER COVERS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE CITY REPRESENTATIVE.

PLACE EXPANSION JOINTS WHERE ALL HORIZONTAL PAVING ABUTS A VERTICAL SURFACE AND AS SHOWN ON PLANS. JOINTS SHALL BE 3/8" PRE-MOLDED ASPHALTIC FIBER MATERIAL.

THE CONTRACTOR SHALL STAKE ALL PAVED AREAS AND FOOTINGS FOR REVIEW BY THE CITY REPRESENTATIVE BEFORE FINAL CONSTRUCTION.

**GRADING NOTES**

VERIFY ALL GRADES IN THE FIELD BEFORE PROCEEDING WITH WORK, INCLUDING EXISTING IMPROVEMENTS; LOCATIONS AND ELEVATIONS OF AREA DRAINS.

EXISTING GRADES SHOWN ARE APPROXIMATE AND SHALL BE FIELD VERIFIED. ALL DISCREPANCIES SHALL BE REPORTED TO THE CITY REPRESENTATIVE IMMEDIATELY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR POSITIVE SURFACE DRAINAGE IN ALL PAVING AND PLANTING AREAS. ALL GROUND SURFACES SHALL BE FINISHED TO A SMOOTH AND CONTINUOUS GRADE, DRAINING PROPERLY AND FREE OF STANDING WATER.

PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW GRADES IN PLANTING AREAS. WHERE NEW PAVEMENT ABUTS NEW PAVEMENT, FINISH GRADES SHALL BE FLUSH, UNLESS OTHERWISE NOTED. EASE TOP AND TOE OF ALL SLOPES TO PROVIDE SMOOTH TRANSITIONS BETWEEN GROUND PLANES.

THE CITY REPRESENTATIVE RESERVES THE RIGHT TO MAKE ADJUSTMENTS IN THE FINISHED GRADES AS THE WORK PROGRESSES.

ELEVATIONS ARE BASED ON CITY AND COUNTY OF SAN FRANCISCO DATUM, UNLESS OTHERWISE NOTED.

**PLANTING NOTES**

ALL LANDSCAPE AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED.

SEE STANDARD SPECIFICATIONS, SECTION 1009 "PLANTING", FOR RESTORATION OF EXISTING LANDSCAPE.

**SITE METAL WORK NOTES**

SUBMIT SHOP DRAWINGS FOR ALL METAL WORK.

ALL MEMBERS TO BE STRUCTURAL STEEL GALVANIZED SIZE AND TYPE AS INDICATED ON DETAIL DRAWINGS.

SHOP ASSEMBLY, WITH FULL DEPTH WELDS, TYPE "FILLET WELD" CONTINUOUS, GRIND SMOOTH.

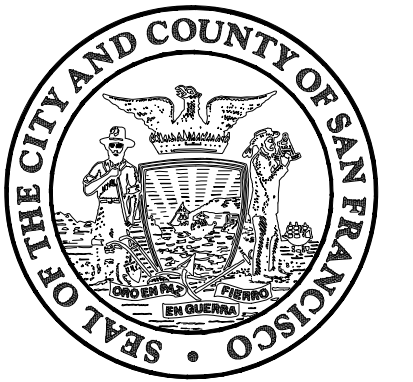
HOT DIP GALVANIZE ALL MEMBERS PER SPECIFICATIONS.

**ABBREVIATIONS**

- CCSF CITY & COUNTY OF SAN FRANCISCO
- C, CL CENTER LINE
- CB CATCH BASIN
- CLR. CLEAR
- CONC. CONCRETE
- CONT. CONTINUOUS
- C.J. CONTROL JOINT
- DIA., Ø DIAMETER
- DWG DRAWING
- (E) EXISTING
- EA EACH
- E.J. EXPANSION JOINT
- EQ EQUAL
- F.G. FINISH GRADE
- F.L. FLOW LINE
- FTG. FOOTING
- GALV. GALVANIZED
- JT. JOINT
- L.O.W. LIMIT OF WORK
- MAX. MAXIMUM
- MIN. MINIMUM
- MH MANHOLE
- (N) NEW
- N.I.C. NOT IN CONTRACT
- NO., # NUMBER
- N.T.S. NOT TO SCALE
- NKE NO KNOWN EQUAL
- O.C. ON CENTER
- O.D. OUTSIDE DIAMETER
- P.A. PLANTING AREA
- R RADIUS
- REQ'D REQUIRED
- REP. REPRESENTATIVE, CITY
- SD STORM DRAIN
- SFPDW SAN FRANCISCO DEPARTMENT OF PUBLIC WORKS
- SIM. SIMILAR
- S.J. SCORE JOINT
- SPECS SPECIFICATIONS
- ST. STREET
- SP STANDARD PLAN
- SYMB. SYMBOL
- TYP. TYPICAL
- U.O.N. UNLESS OTHERWISE NOTED
- W/ WITH
- @ AT
- ⊖ FLUSH OR ALIGNED

**DRAWING INDEX**

- L-0.1 DRAWING INDEX, NOTES & ABBREVIATIONS
- L-1.0 EXISTING CONDITIONS AND DEMOLITION PLAN
- L-2.0 ACCESSIBLE PATH OF TRAVEL & PAVING PLAN
- L-3.0 LAYOUT PLAN
- L-4.0 GRADING PLAN
- L-5.0 CONSTRUCTION DETAILS
- L-5.1 CONSTRUCTION DETAILS



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Project  
2008 PARK BOND RESTROOM  
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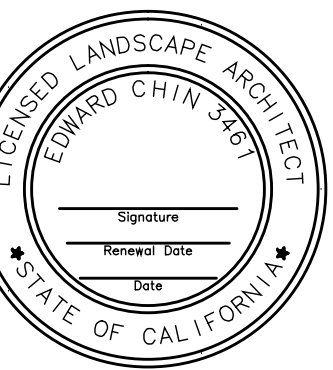
STATES STREET PARK  
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Date \_\_\_\_\_  
Phase \_\_\_\_\_



Drawing Title

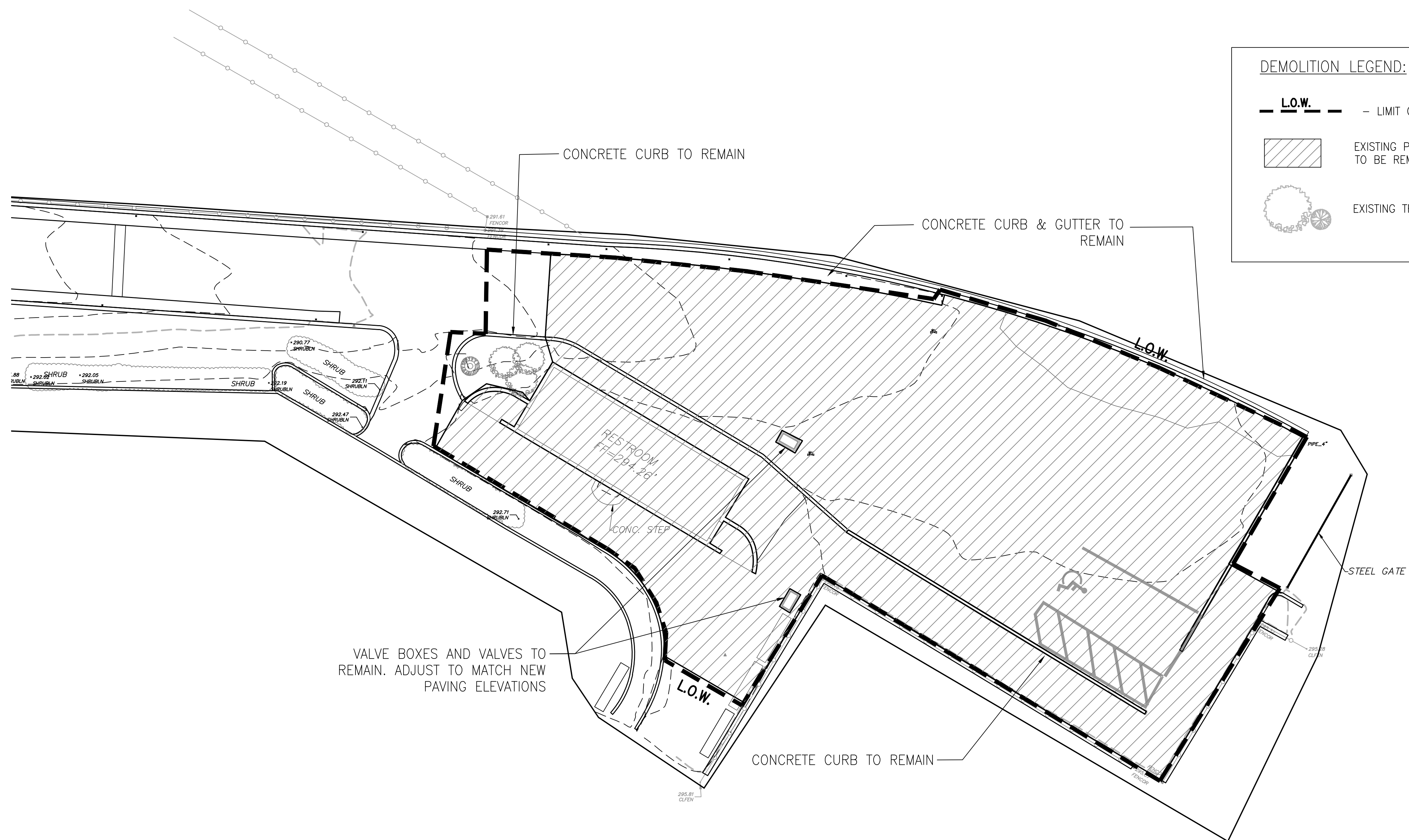
**STATES STREET  
EXISTING CONDITIONS  
AND DEMOLITION PLAN**

Sheet No.

**L-1.0**

Scale AS NOTED

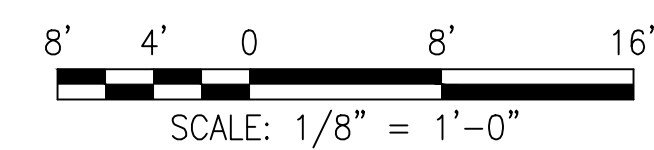
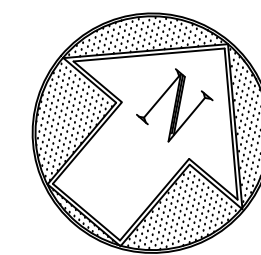
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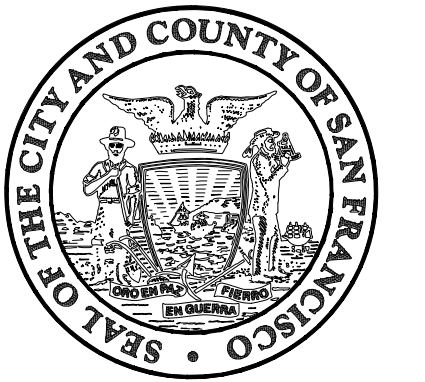


**DEMOLITION LEGEND:**

- L.O.W.** - LIMIT OF WORK
- EXISTING PAVING AND VEGETATION, TO BE REMOVED, U.O.N.
- EXISTING TREE TO REMAIN, TYP.

VALVE BOXES AND VALVES TO REMAIN. ADJUST TO MATCH NEW PAVING ELEVATIONS





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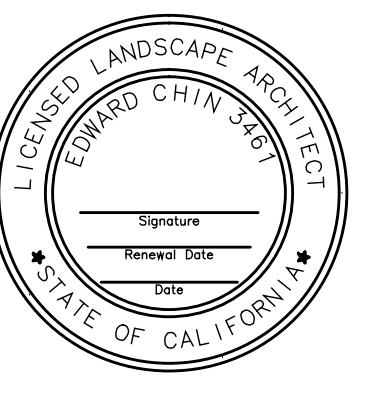
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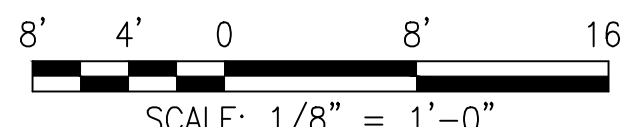
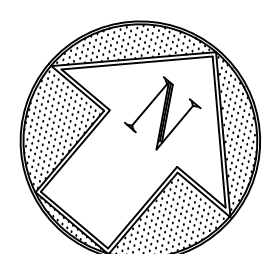
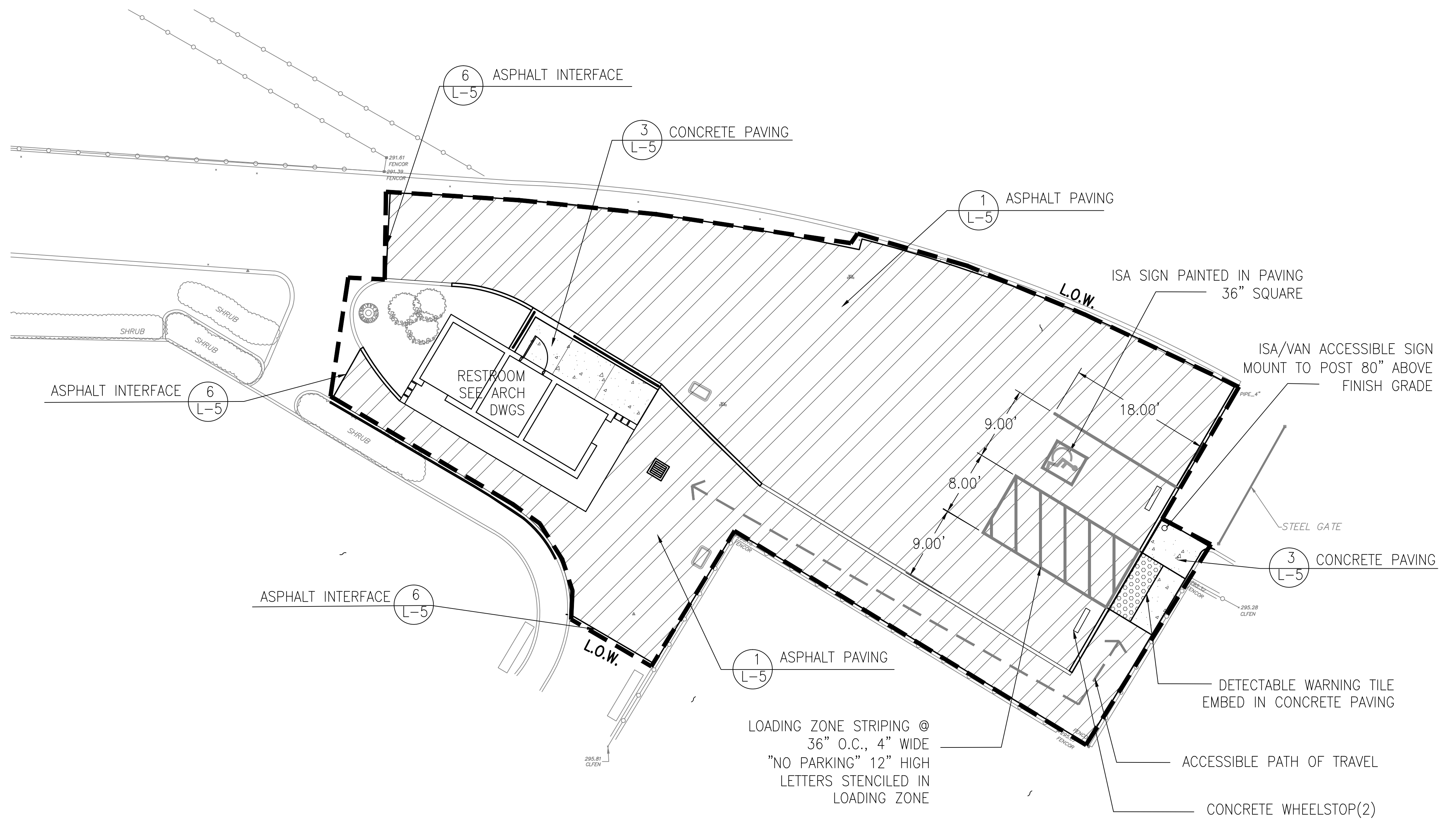
**STATES STREET  
ACCESSIBLE PATH OF  
TRAVEL AND  
PAVING PLAN**

Sheet No. \_\_\_\_\_

**L-2.0**

Scale AS NOTED

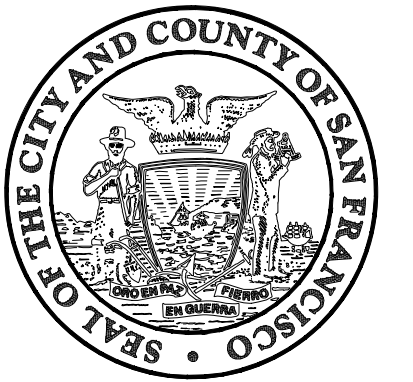
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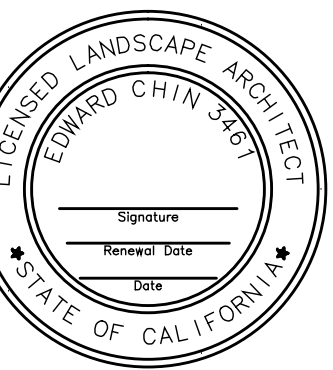
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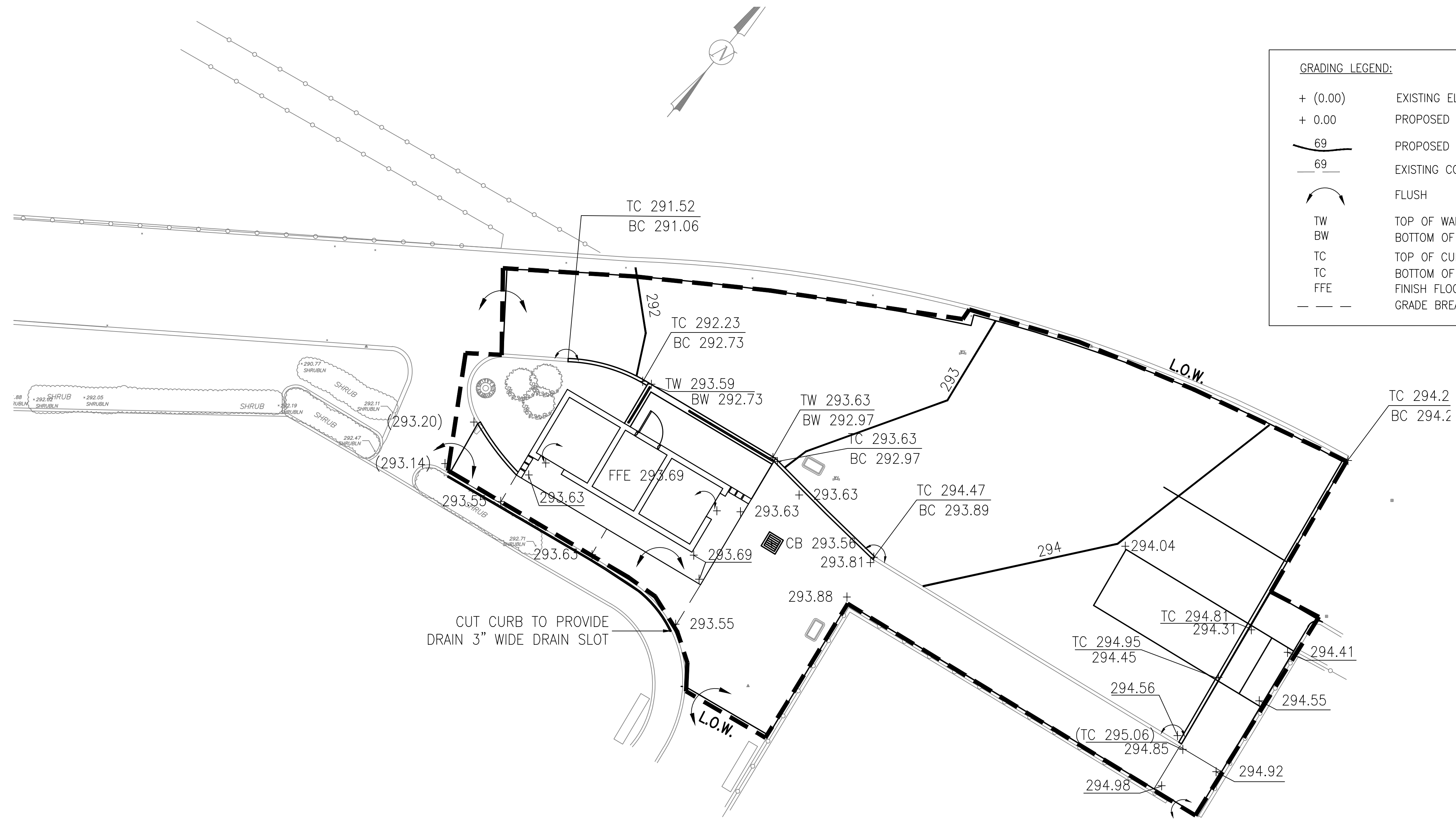
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Phase \_\_\_\_\_



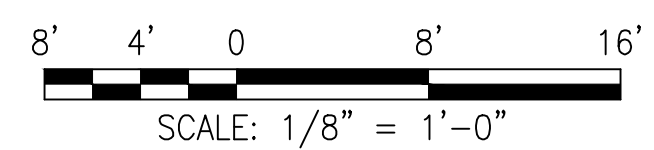
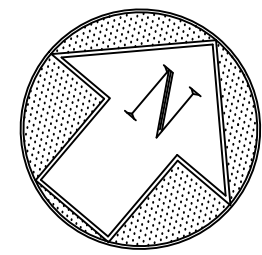
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**STATES STREET  
GRADING PLAN**

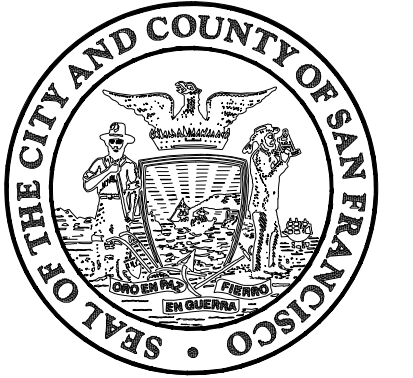
Sheet No. **L-4.0**  
Scale AS NOTED  
Job No. **3092V**



**GRADING LEGEND:**

+ (0.00)	EXISTING ELEVATION
+ 0.00	PROPOSED ELEVATION
	PROPOSED CONTOUR
	EXISTING CONTOUR
	FLUSH
TW	TOP OF WALL
BW	BOTTOM OF WALL
TC	TOP OF CURB
TC	BOTTOM OF CURB
FFE	FINISH FLOOR ELEVATION
- - -	GRADE BREAK





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Project

2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN

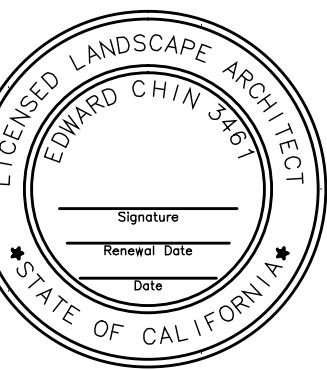
STATES STREET PARK  
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Block No.2615 - Lot No. 002

Consultant

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028	
DESIGNED BY: EC	DATE
DRAWN BY: EB	
CHECKED BY:	
APPROVED	
SECTION MANAGER:	DATE:
DEPUTY DIVISION MANAGER:	DATE:
DIVISION MANAGER:	DATE:

No.	Date	Revisions

Section Head	
Proj. Mgr.	
Proj. Arch.	
Drawn	
Date	
Phase	



Drawing Title

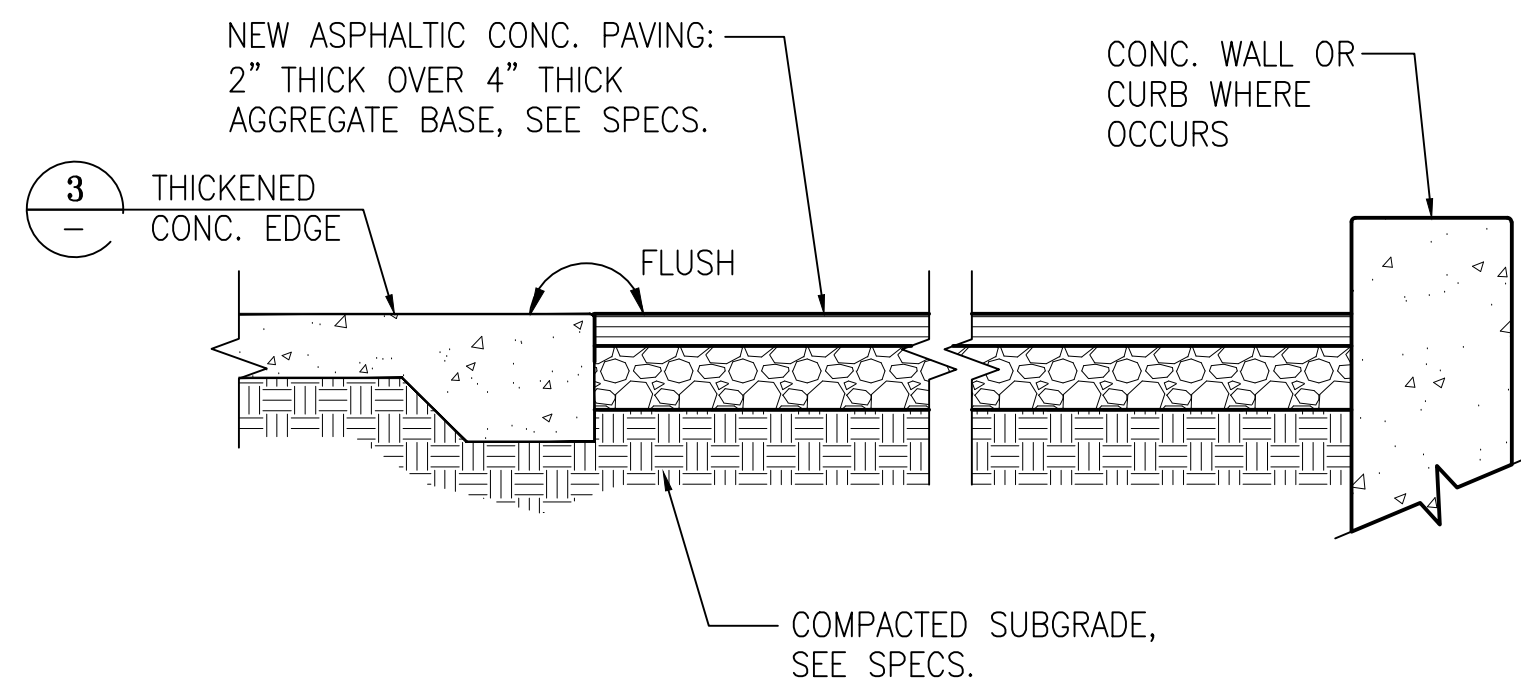
CONSTRUCTION DETAILS

Sheet No.

L-5.0

Scale AS SHOWN

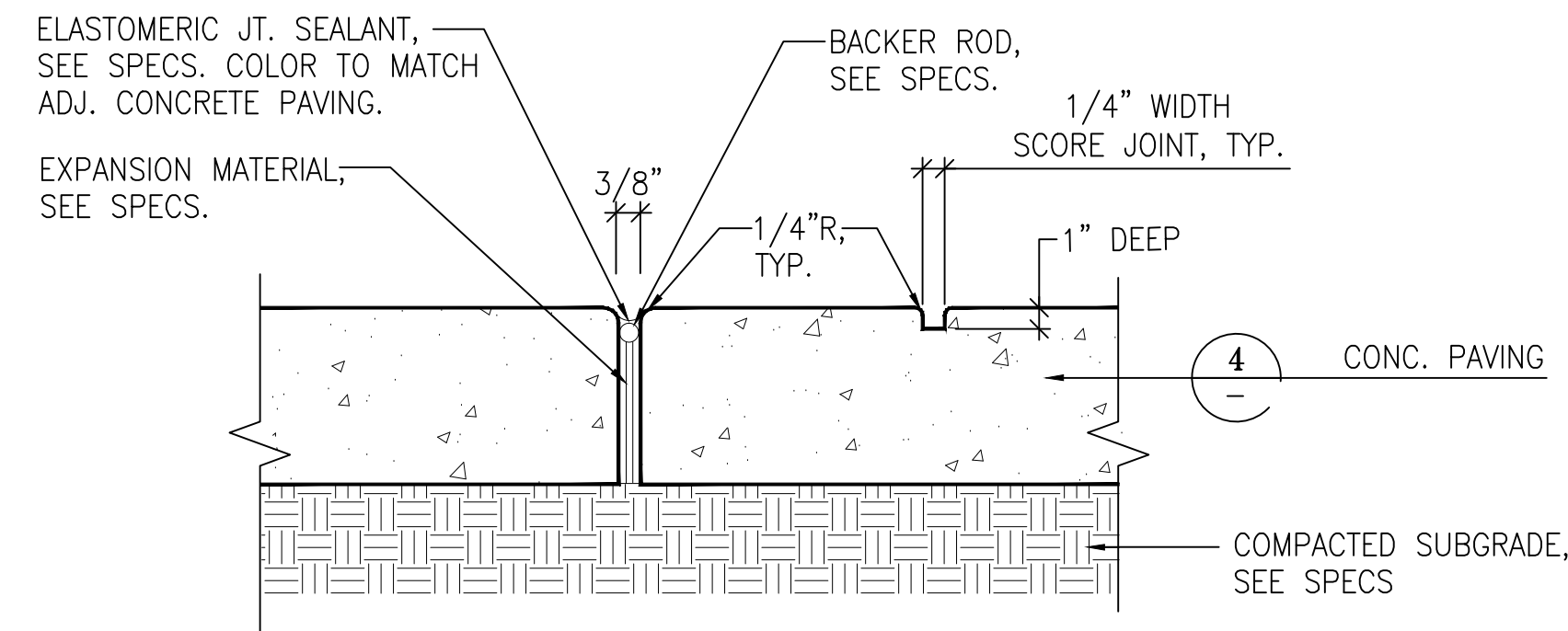
Job No. 3092V



AC PAVING

SCALE: 1"=1'-0"

1

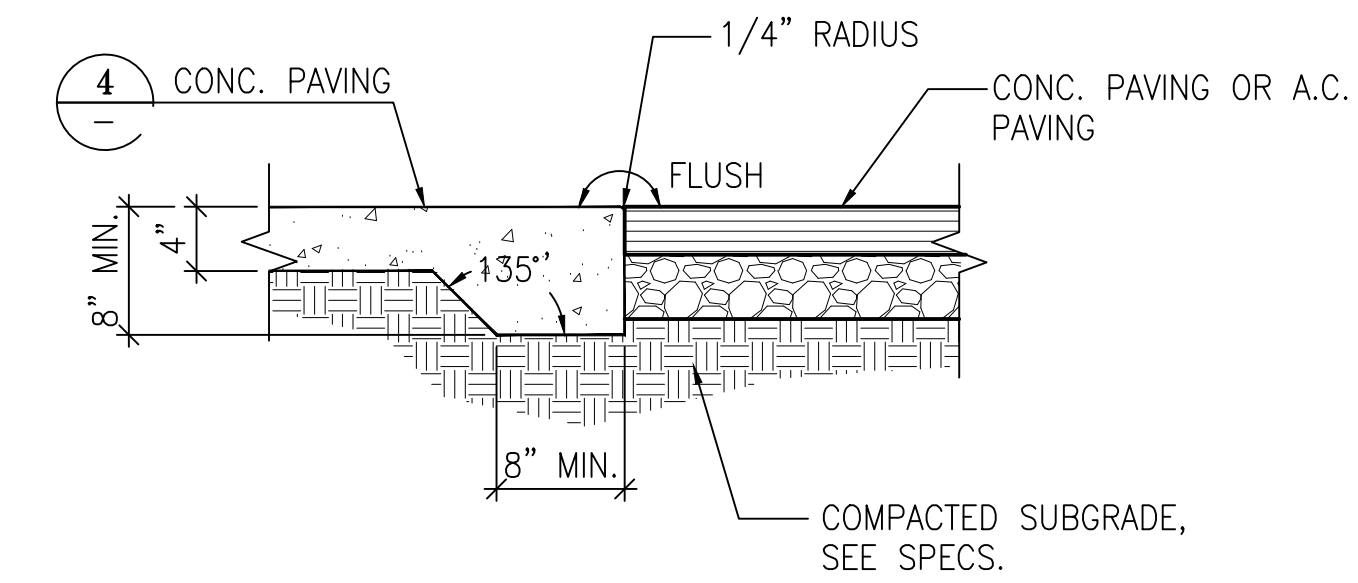


EXPANSION & SCORE JOINT

SCALE: N.T.S.

2

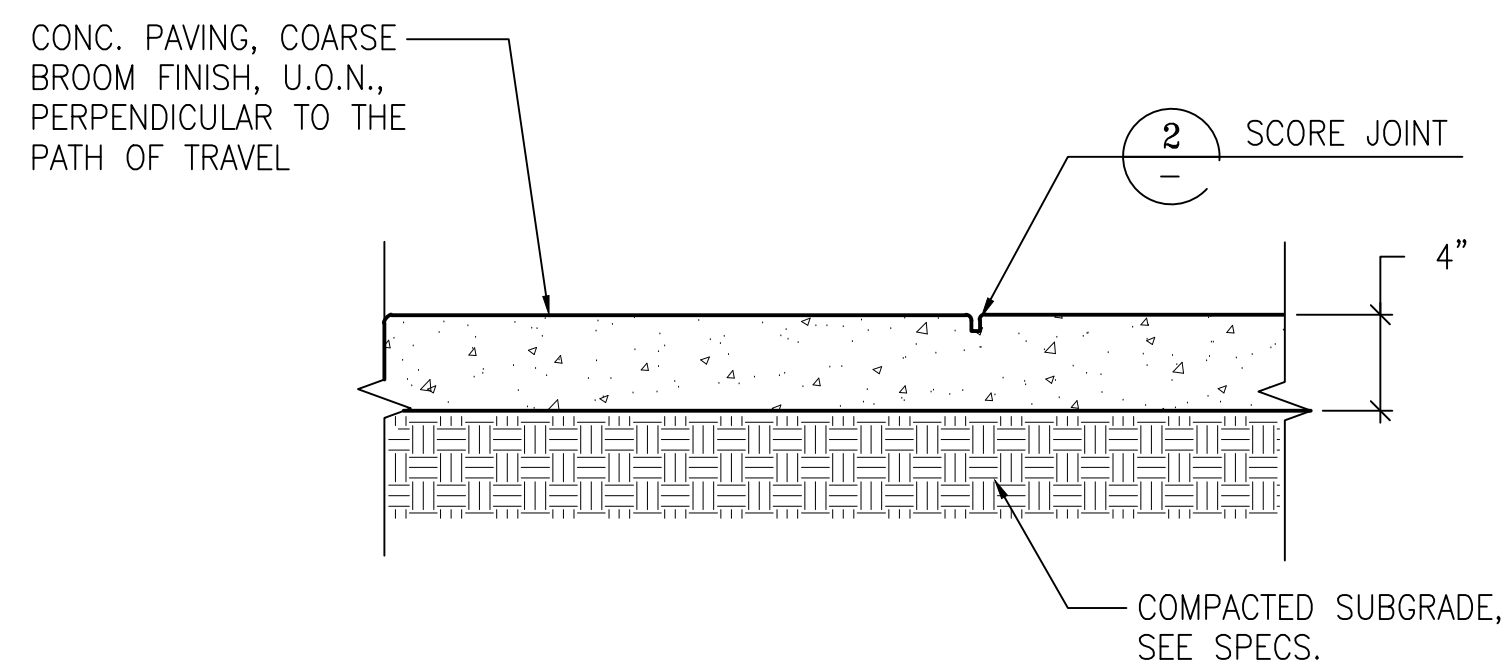
- NOTES:
1. PLACE EXPANSION JOINTS WHERE PAVING ABUTS ALL VERTICAL SURFACES.
  2. HANDTOOL ALL JOINTS.



THICKENED CONCRETE EDGE

SCALE: 1"=1'-0"

3

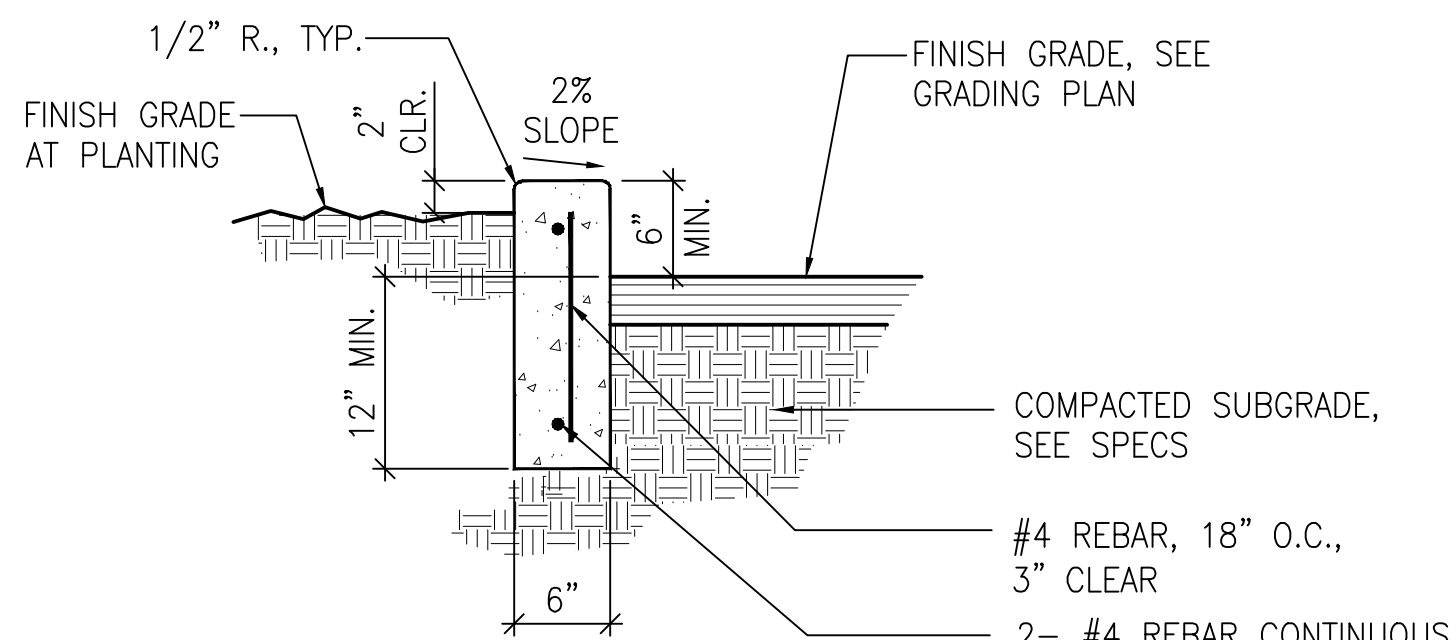


CONCRETE PAVING

SCALE: N.T.S.

4

- NOTES:
1. CONCRETE PAVING TO BE COLORED INTEGRALLY WITH LAMPBLACK PER CITY STANDARDS
  2. PLACE EXPANSION JOINTS WHERE PAVING ABUTS ALL VERTICAL SURFACES.

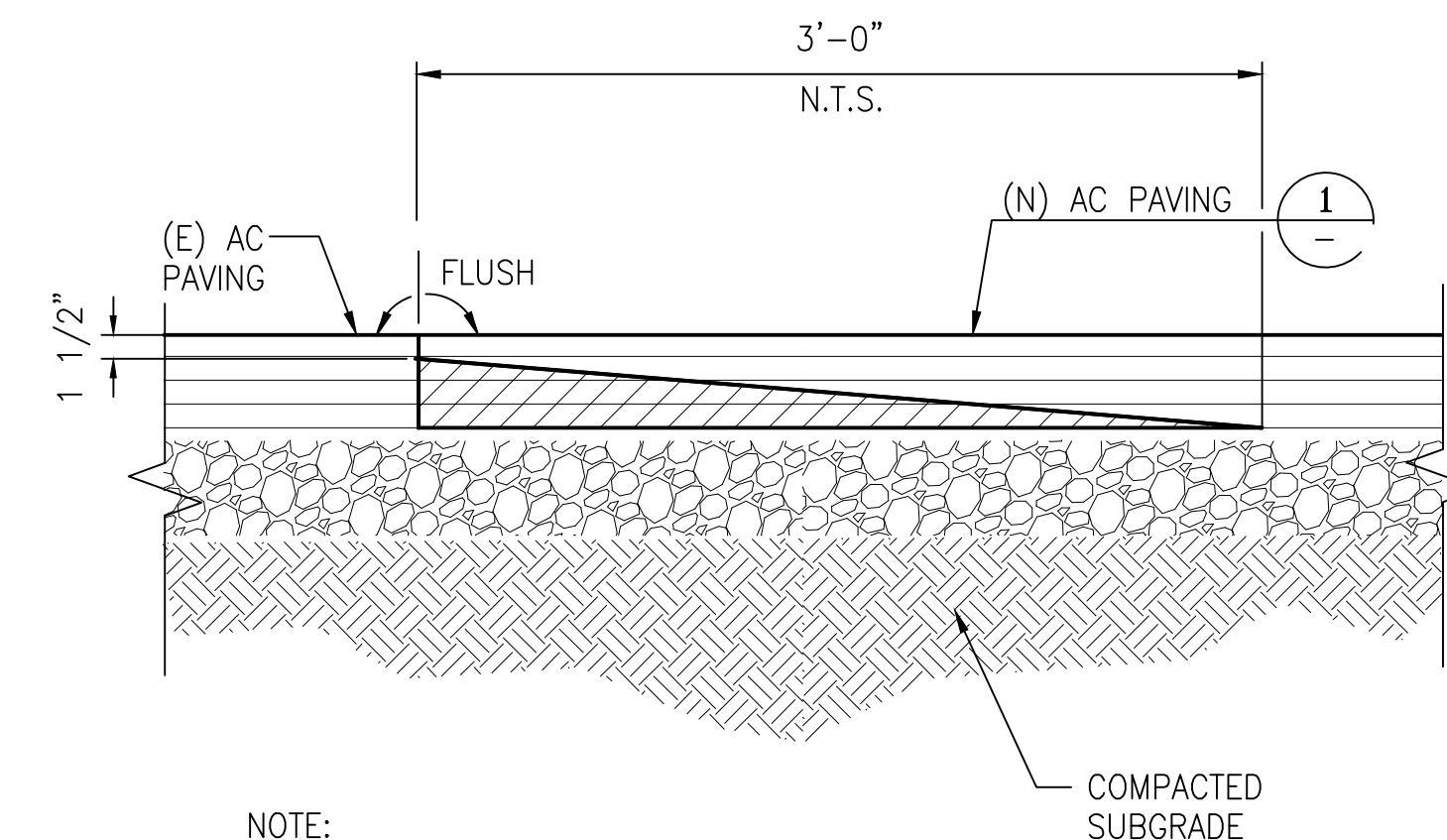


CONCRETE CURB

SCALE: 1"=1'-0"

5

- NOTES:
1. FINISH ALL EXPOSED SURFACES PER SAN FRANCISCO DPW SS SECTION 411.10, 411.11.
  2. PROVIDE A SCORE JOINT AT 5' O.C.

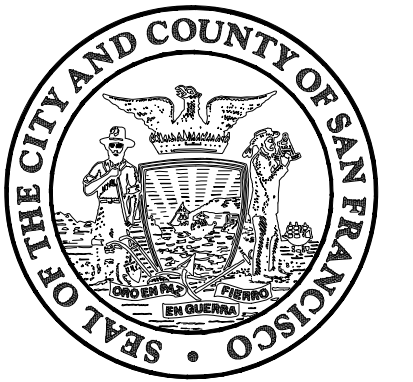


ASPHALT INTERFACE

SCALE: 1"=1'-0"

6

- NOTE:
- SLURRY SEAL ALL NEW AC PAVING



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Project \_\_\_\_\_

2008 PARK BOND RESTROOM  
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CONTEMPORARY DESIGN

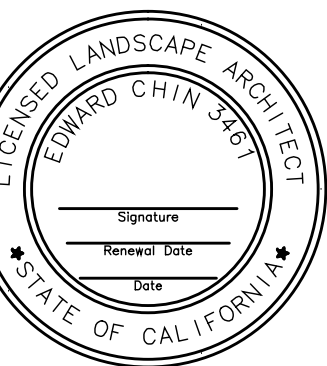
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No.	Date	Revisions

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Proj. Mgr. \_\_\_\_\_  
Proj. Arch. \_\_\_\_\_  
Drawn \_\_\_\_\_  
Date \_\_\_\_\_  
Phase \_\_\_\_\_



Drawing Title \_\_\_\_\_

**CONSTRUCTION DETAILS**

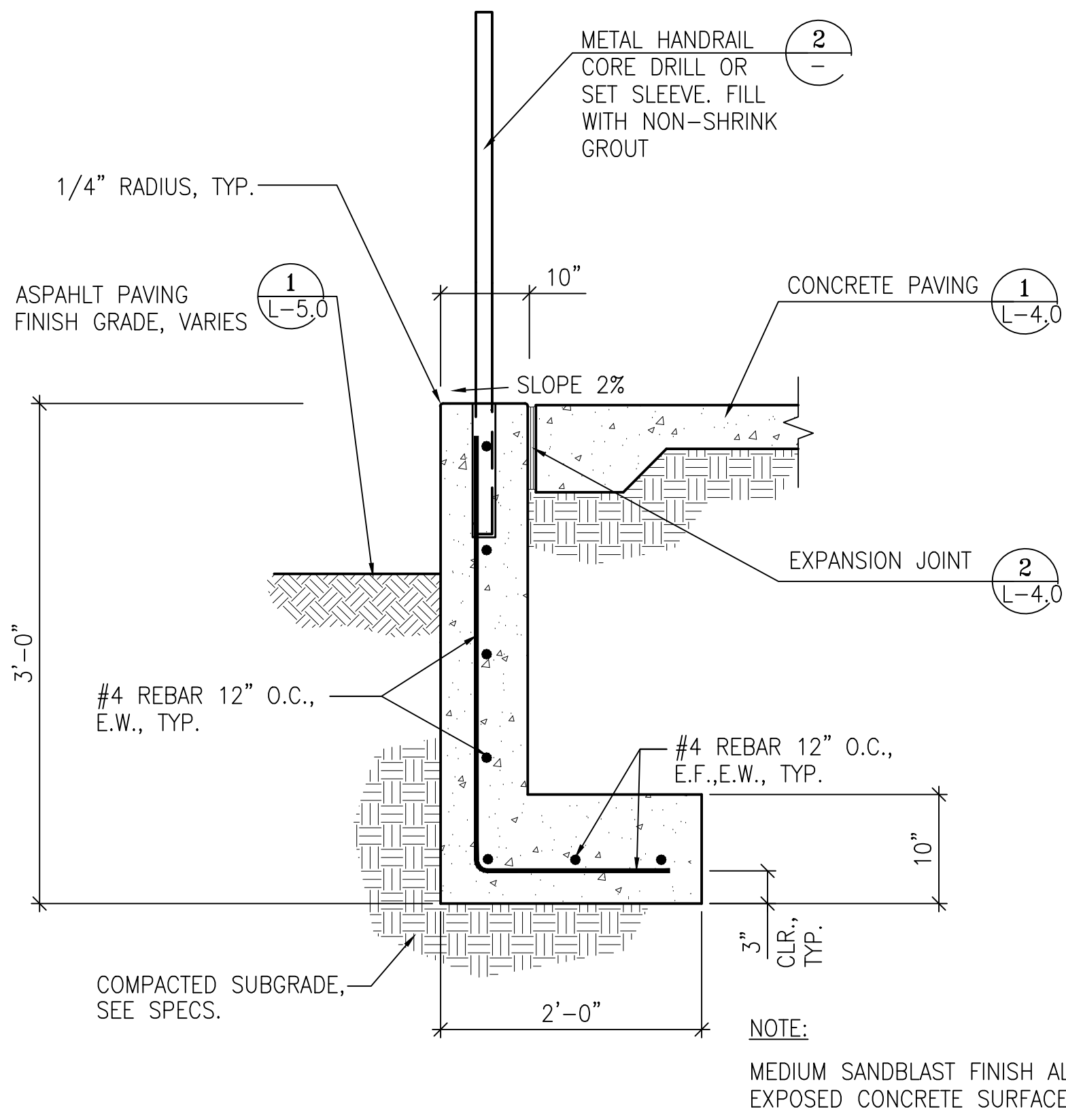
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Scale AS SHOWN

Job No. \_\_\_\_\_

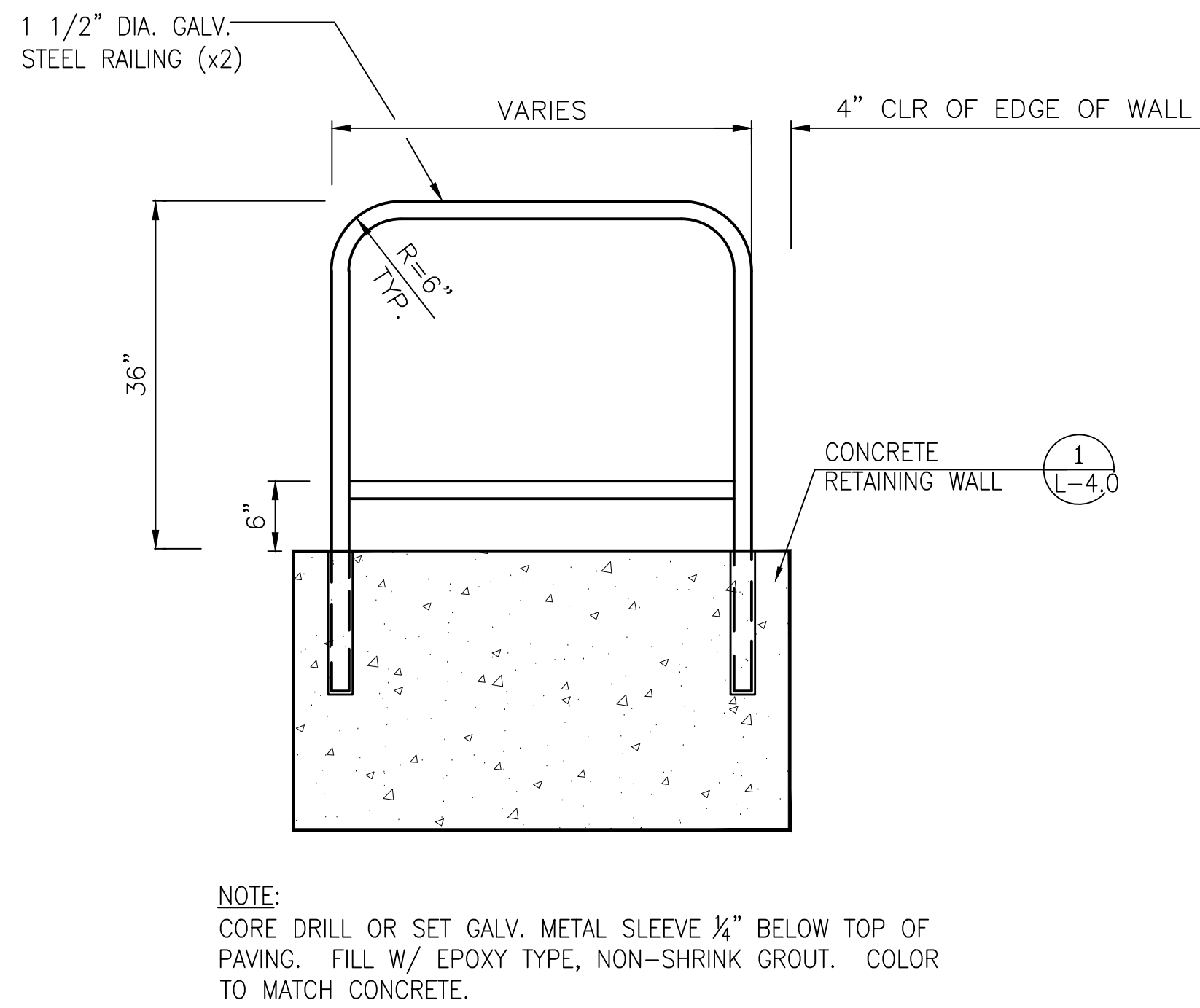
3092V



**CONCRETE RETAINING WALL  
W/ HANDRAIL**

SCALE: 1"=1'-0"

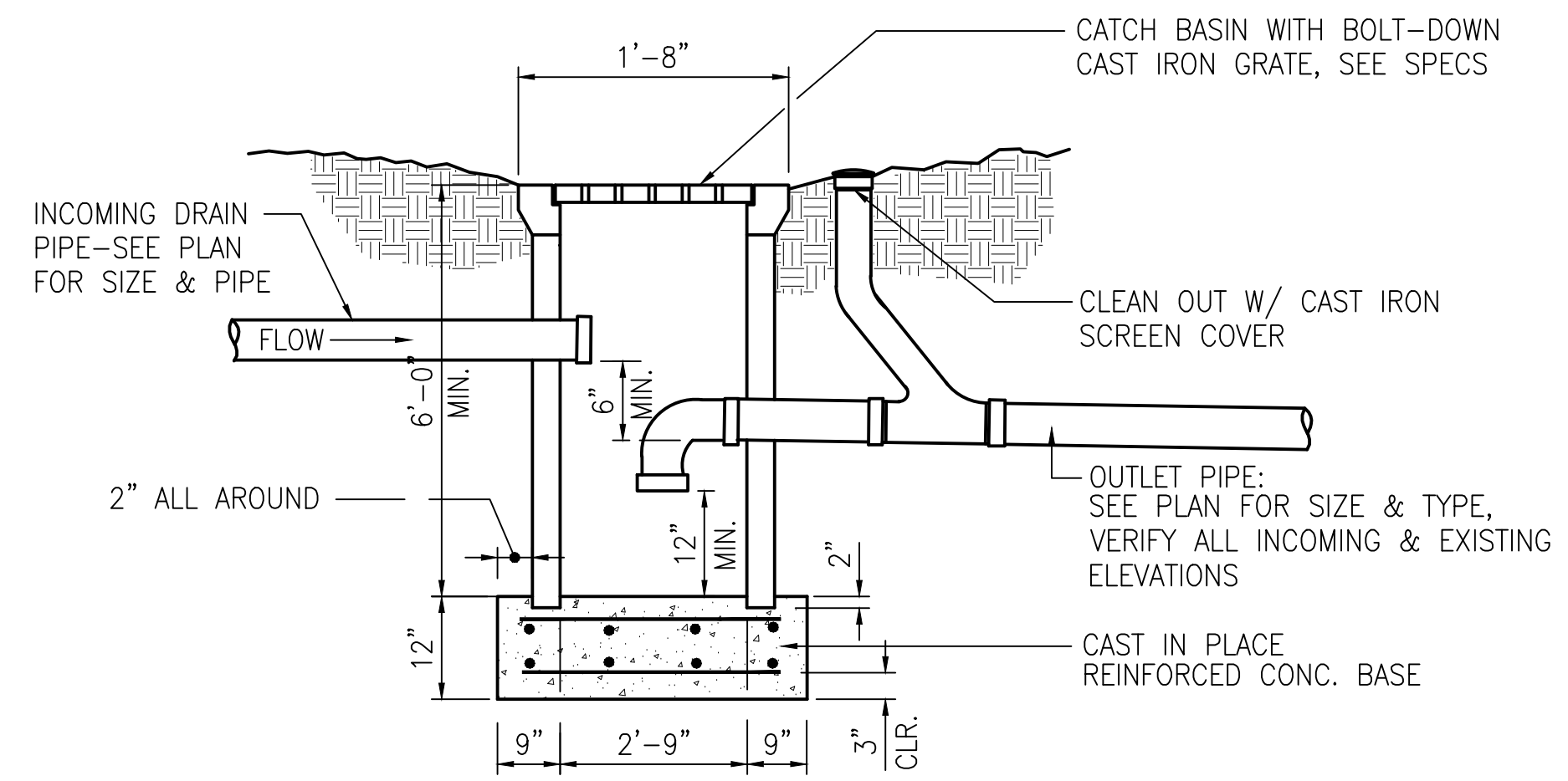
1



**METAL HANDRAIL**

SCALE: 1"=1'-0"

2



**CATCH BASIN**

SCALE: NOT TO SCALE

3



Project 2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN

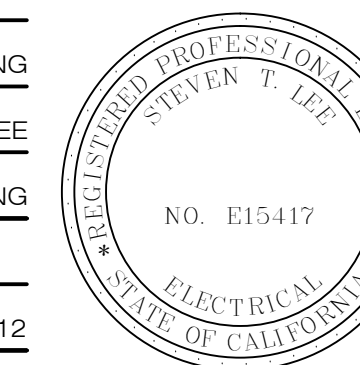
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APPROVED	
MAURICE CHEE SECTION MANAGER:	DATE:
DEPUTY DIVISION MANAGER:	DATE:
DIVISION MANAGER:	DATE:

Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn \_\_\_\_\_  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title \_\_\_\_\_

ELECTRICAL  
LEGEND &  
ABBREVIATIONS

Sheet No. \_\_\_\_\_

E-1

Scale: NONE  
Job No. 3092-V

L E G E N D

**POWER**

- CONDUIT AND WIRING AS NOTED. DIAGONAL LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. NO LINE INDICATES 2#10 & 1#10 GRD. AWG, UON. "•" INDICATES GROUND, #10 INDICATES WIRE SIZE. AND LONGER HASH INDICATES NEUTRAL. ALL CONDUIT SHALL BE CONCEALED IN CEILING, WALL OR SLAB WHEREVER POSSIBLE. MINIMUM 3/4" FOR BUILDING INTERIOR.
- HOMERUN TO ELECTRICAL PANELBOARD, CIRCUIT NUMBER IDENTIFIED FOR EACH ARROW.
- CONDUIT BENDS TOWARD OBSERVER.
- CONDUIT BENDS AWAY FROM OBSERVER.
- CONDUIT STUB OUT PULL ROPE AND CAP.
- UNDERGROUND CONDUIT SHALL BE MIN. 1" U.O.N. TELEPHONE CONDUIT
- COMCAST UNDERGROUND CONDUIT
- CONDUIT AND/OR WIRING TO BE REMOVED.
- MOTOR
- COMBINATION MOTOR STARTER, CIRCUIT BREAKER TYPE, 1 INDICATES NEMA SIZE STARTER
- DISCONNECT SWITCH, SIZE AS NOTED
- WATTHOUR METER
- BUS
- MOLDED CASE CIRCUIT BREAKER, 3 POLE UNLESS OTHERWISE NOTED: 50A-TRIP RATING IN AMPERE NA - NON-AUTOMATIC MCP - MOTOR CIRCUIT PROTECTOR
- ELECTRICAL ENCLOSURE OUTLINE
- JUNCTION BOX WITH COVER.
- WALL MOUNTED JUNCTION BOX WITH COVER.
- PRECAST PULL BOX, AS SHOWN IN DPW STANDARD PLANS SEPT. 2007, FILE NO. 87,201, TYPICALLY TYPE 1, UON.
- GROUND
- SHEET NOTE
- ELECTRICAL EQUIPMENT
- RECEPTACLE, DUPLEX 20A, 3PG, 125V, +18" UON
- RECEPTACLE, DUPLEX 20A, 3PG, 125V, GFCI, +18" UON "WP" WEATHER PROOF LOCKABLE METTALIC COVER, OUTLET TO BE ABLE TO CLOSE WHILE IN-USE AND MEET NEC REQUIREMENTS.
- RECEPTACLE QUADRUPLEX, 20A, 3PG, 125V, +18" AFF UON
- 30A, 3P, TWISTED LOCK, 120V, RECEPTACLE IN NEMA 3R STAINLESS STEEL LOCKABLE ENCLOSURE +18" AFF UON
- THERMOSTAT. VERIFY IN FIELD FOR EXACT LOCATION. REFER TO DIV. 23
- \* INDICATES EQUIPMENT TO BE FURNISHED AND INSTALLED UNDER OTHER WORK IN THIS CONTRACT. ALL ELECTRICAL CONNECTIONS SHOWN SHALL BE UNDER ELECTRICAL WORK. CONTROL CONDUIT AND WIRING NOT SHOWN BUT REQUIRED FOR A COMPLETE WORKING SYSTEM SHALL BE FURNISHED, INSTALLED AND PAID FOR UNDER DIVISION 23.

THIS IS A GENERAL LEGEND, NOT ALL SYMBOLS ARE USED.

L E G E N D

**LIGHTING**

- LED LIGHTING FIXTURE WITH INTEGRAL DRIVER
- EXIT SIGN WALL/CEILING WITH INTEGRAL EMERGENCY BATTERY
- DOWNLIGHT FIXTURE
- EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY PACK
- WALL MOUNTED LIGHTING FIXTURE
- NEW POLE LIGHT
- LIGHTING FIXTURE & EQUIPMENT TAG, "NO." INDICATES MOUNTING HEIGHT AFF UON.
- SINGLE POLE SWITCH, MOUNTING HEIGHT +42" AFF, UON.
- THREE WAY SWITCH, MOUNTING HEIGHT +42" AFF, UON.
- CEILING MOUNTED MULTI TECHNOLOGY OCCUPANCY SENSOR WITH INTEGRATED POWER BASE AND CAGE. LEVITON # OSC10-MOW OR APPROVED EQUAL
- WALL MOUNTED LINE VOLTAGE MULTI TECHNOLOGY OCCUPANCY SENSOR LEVITON # OSSMD-MD OR APPROVED EQUAL
- DIGITAL TIMECLOCK AND RELAY PANEL, LEVITON # R08BD-L08 OR APPROVED EQUAL.

A B B R E V I A T I O N S

- ADA AMERICANS WITH DISABILITIES ACT
- AF AMPS FRAME
- AFF ABOVE FINISHED FLOOR
- AT AMPS TRIP
- AWG AMERICAN WIRE GAGE
- BSCW BARE STRANDED COPPER WIRE
- C CONDUIT
- cd CANDELA
- C.O. CONDUIT ONLY WITH PULL CORD
- CBC CALIFORNIA BUILDING CODE
- DTIS DEPARTMENT OF TELECOM & INFORMATION SYSTEM
- DWG DRAWING
- (E) EXISTING
- ELECT ELECTRICAL
- EMERG EMERGENCY
- EQPMT EQUIPMENT
- F/I FURNISH & INSTALL UNDER THIS CONTRACT
- FSD FIRE SMOKE DAMPER
- G, GND, GRD GROUND
- GRS GALVANIZED RIGID STEEL
- HID HIGH INTENSITY DISCHARGE
- HPS HIGH PRESSURE SODIUM
- HRV HEAT RECOVERY UNIT
- IBC INTERNATIONAL BUILDING CODE
- JB JUNCTION BOX
- LCP LOCAL CONTROL PANEL
- LED LIGHT EMITTING DIODE
- LTG LIGHTING
- PP POWER PANEL
- MCS MOLDED CASE SWITCH
- MSB MAIN SWITCHBOARD
- NFPA NATIONAL FIRE PROTECTION AGENCY
- NTS NOT TO SCALE
- PNL PANEL
- RCP RADIANT FLOOR CONTROL PANEL
- RECP RECEPTACLE
- R/C REMOVE FROM SITE OF WORK AS CONTRACTOR'S PROPERTY
- R/S REMOVE AND SALVAGE AS CITY'S PROPERTY, RETURN TO OWNER
- S/N SOLID NEUTRAL
- SP SUMP PUMP
- SPD SURGE PROTECTION DEVICE
- TEL TELEPHONE
- TYP TYPICAL
- TS TIME SWITCH
- TV TELEVISION
- UL UNDERWRITERS LABORATORIES
- UON UNLESS OTHERWISE NOTED
- WP WEATHERPROOF

D R A W I N G I N D E X

- E-1 ELECTRICAL LEGEND & ABBREVIATIONS
- E-2 GENERAL NOTES
- E-3 SINGLE LINE DIAGRAM AND PANEL SCHEDULE
- E-4 INDOOR TITLE 24 DOCUMENTATION
- E-5 OUTDOOR TITLE 24 DOCUMENTATION
- E-6 ELECTRICAL SITE PLAN
- E-7 ELECTRICAL LIGHTING PLAN & POWER PLAN



GENERAL NOTES

1. THESE PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. EXACT LOCATIONS OF EQUIPMENT PER ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. ALL WIRING SHALL BE COPPER AND SHALL BE INSTALLED IN CONDUIT. CONDUIT SIZE SHALL BE ACCORDING TO CODE. MINIMUM CONDUIT SIZE IS 3/4". ALL CONDUITS AND JUNCTION BOXES SHALL BE CONCEALED IN FURRED SPACES, CONCRETE WALLS / FLOORS, OR ABOVE ACOUSTIC CEILING, U.O.N. ALL JUNCTION BOXES SHALL BE ACCESSIBLE.
3. THIS IS A GENERAL LEGEND. NOT ALL SYMBOLS ARE USED.
4. LIGHTING AND RECEPTACLE SYSTEM – CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY CONDUITS, FITTINGS, JUNCTION BOXES AND ALL NECESSARY COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS TO MAKE ELECTRICAL INSTALLATION COMPLETE AND OPERATIONAL.
5. ALL OUTDOOR AND ANTICIPATED WET AREA SHALL HAVE GFCI OUTLETS. ALL OUTDOOR DEVICES SHALL HAVE WET WEATHERPROOF VANDAL RESISTANT METTALIC LOCKABLE COVERS WHILE IN USE.
6. PANEL DIRECTORIES SHALL BE TYPEWRITTEN.
7. OPENING THRU CEILING FOR CONDUITS SHALL BE COVERED WITH ESCUTCHEON PLATES.
8. ALL CONDUITS THRU WALL AND FLOOR SHALL BE SEALED AIR-TIGHT AROUND CONDUIT OPENING WITH CODE APPROVED MATERIAL. FIRE RATING OF WALLS OR FLOORS SHALL BE MAINTAINED.
9. PROVIDE SEPARATE GROUND WIRE IN ALL CONDUITS.
10. ALL ELECTRICAL EQUIPMENT, PANELBOARDS, CONTROL DEVICES, SHALL BE IDENTIFIED WITH ENGRAVED NAMEPLATES.
11. CONTRACTOR SHALL LABEL EACH NEW ELECTRICAL OUTLET WITH PERMANENT FELT-TIP MARKER, SHOWING PANEL NUMBER AND CIRCUIT BREAKER NUMBER FEEDING THE CIRCUIT ON THE BACK OF COVER PLATE OF THE CONVENIENCE OUTLET AND LIGHT SWITCH.
12. ALL WIRING INSIDE PULL BOXES SHALL BE TAGGED TO IDENTIFY THE CIRCUIT (BOTH PANEL AND CIRCUIT NO.) EACH BUNDLE OF WIRING RUNNING IN EACH CONDUIT SHALL BE TIE-WRAPPED SO THAT THEY REMAIN IN INDIVIDUAL GROUPINGS.
13. ALL ELECTRICAL CONDUITS SHALL BE EMBEDDED IN CONCRETE, U.O.N. ALL EXPOSED CONDUIT SHALL RUN AS HIGH AS POSSIBLE AND AVOID INTERFERENCE AND EQUIPMENT FRAME STRUCTURE, CEILING INSERTS AND MECHANICAL DUCT WORK.
14. ALL PENETRATION THROUGH CONCRETE WALL SHALL BE CORE DRILLED AND GROUTED AROUND CONDUIT AFTER CONDUIT INSTALLATION. USE RIGID STEEL CONDUIT ONLY.
15. ALL ELECTRICAL EQUIPMENT, ELECTRICAL SUPPORTS, CONDUIT AND FITTINGS, AND LIGHTING FIXTURES SHALL BE BRACED ACCORDING TO SMACNA DETAILS, AND PER IBC/CBC SEISMIC MOUNTING REQUIREMENTS AND PER CALIFORNIA TITLE 24 AND LOCAL JURISDICTION.
16. THERE SHALL BE NO MORE THAN THREE CIRCUIT HOME RUNS IN EACH CONDUIT. U.O.N.
17. PAINT ALL BLANK COVER PLATES AND EXPOSED CONDUIT TO MATCH WALL OR CEILING.
18. THERE SHALL BE NO MORE THAN 270° CONDUIT TURN IN EACH CONDUIT RUN.
19. ALL ELECTRICAL DEVICES SHALL BE UL LISTED WHERE APPLICABLE.
20. INSTALL A NYLON PULLING ROPE AND END PLUGS WITH PULL TAB IN ALL EMPTY CONDUITS.
21. PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. NO EXTRA COST WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS.

GENERAL NOTES

22. EXAMINE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS AND SPECIFICATIONS TO DETERMINE THE SEQUENCE OF CONSTRUCTION THROUGH OUT THE PROJECT, INCLUDING EXISTING, TEMPORARY REMODELED AND NEW AREAS, WHERE APPLICABLE.
23. GROUT AROUND CONDUIT TIE-INS. WHERE CONDUIT ENTERS BUILDINGS, SEAL OPENINGS WITH APPROVED DUCT SEAL TO PREVENT CIRCULATION OF AIR OR MOISTURE.
24. USE SPLIT BOLT CONNECTORS FOR COPPER CONDUCTOR SPLICES AND TAPS, 6 AWG AND LARGER. TAPE UNINSULATED CONDUCTORS AND CONNECTOR WITH ELECTRICAL TAPE TO 150 PERCENT OF INSULATION RATING OF CONDUCTOR. SPLIT BOLT TYPE SPLICING DEVICES (i.e. KEARNIES) SHALL BE COPPER PER DPW STANDARD PLAN SEPT. 1997 DWG. NO. 87,204.
25. FOR ATT INCOMING SERVICE, EXACT LOCATION AND COORDINATION WITH MR. ARNIE FRELIX OF DTIS AT 415-550-2909.
26. FOR PG&E INCOMING SERVICE, EXACT LOCATION AND COORDINATION WITH MR. FRANK SYLVESTER (415) 554-1578, HETCH HETCHY W&P 4TH FLOOR, 1155 MARKET ST. SAN FRANCISCO, CA 94103.
27. MECHANICAL DESIGN BUILT SYSTEM – MECHANICAL CONTRACTOR SHALL PROVIDE ALL THE LOW VOLTAGE WIRING, CONDUIT AND PULLBOXES FOR A COMPLETE OPERABLE SYSTEM AND MEET ELECTRICAL SPECIFICATION.
28. ALL DESIGN BUILT SYSTEM NEED TO BE APPROVED BY A PROFESSIONAL ENGINEER HIRED BY THE CONTRACTOR FOR THE SPECIFIC TRADE.
29. MECHANICAL PACKAGE UNIT SYSTEM: STARTER, LOCAL CONTROL PANEL, MOTOR ETC. TO BE FURNISHED BY DIV. 23 AND INSTALLED BY DIV. 26. U.O.N.
30. PULL BOXES NOT IN CONCRETE OR PAVED AREA. CONTRACTOR TO PROVIDE 4" OF CONCRETE AROUND THE BOX FOR MAINTENANCE. PROVIDE AT LEAST 8" BEDROCK OF DRAINAGE GRAVEL AND CONDUIT SHALL EXTEND AT LEAST 6" ABOVE THE BEDROCK.
31. EMT FITTINGS SHALL BE STEEL SET SCREW WHEN INDOOR, COMPRESSION FITTING WHEN OUTDOOR.
32. CONDUITLET SHALL BE WITH CLIP COVERS, CROUSE-HIND FORM 7 OR APPLETON.
33. ALL OUTLET SHALL BE ALIGNED AND WITH THE SAME ORIENTATION THROUGHOUT.
34. PROVIDE A YELLOW WARNING TAPE 36 INCHES IN FRONT OF ALL ELECTRICAL PANELS ON THE FLOOR INSIDE THE BUILDING.
35. EXPOSED CONDUIT SHALL BE STRAP NOT EXCEEDING 5 FEET INTERVAL.
36. NO METAL CLAD CABLE SHALL BE USED.

DEMOLITION NOTES

1. PRIOR TO SUBMISSION OF BID, VISIT THE SITE AND BECOME FAMILIAR WITH ALL EXISTING CONDITIONS. NO EXTRA COST WILL BE ALLOWED FOR WORK RESULTING FROM LACK OF PROPER APPRAISAL OF EXISTING CONDITIONS.
2. CONTRACTOR SHALL REFER TO ARCHITECTURAL DRAWINGS FOR ALL DEMOLITION WORK.
3. EXISTING IRRIGATION SYSTEM SHALL BE OPERATIONAL THROUGHOUT THE ENTIRE DURATION OF THIS CONSTRUCTION PROJECT.
4. TEMPORARY RELOCATE EXISTING IRRIGATION SYSTEM CONTROLLER TO A SECURED AREA (i.e., CONTRACTOR'S FENCED STAGING AREA OR TRAILER) DURING THE COURSE OF CONSTRUCTION TO PREVENT TAMPING BY THE PUBLIC. PROVIDE NEMA 3R ENCLOSURE FOR EXISTING IRRIGATION CONTROLLER IF IT IS TEMPORARILY LOCATED IN AN OUTDOOR LOCATION.
5. TEST IRRIGATION SYSTEM WHEN RELOCATED TO NEW BUILDING TO ASSURE (E)IRRIGATION CONTROLLER IS OPERATING ALL SPRINKLER ZONES PROPERLY.
6. RELOCATE EXISTING TIME CLOCK TO A SECURE AREA. (EXACT LOCATION TO BE DETERMINED IN THE FIELD). PROVIDE NEMA 3R ENCLOSURE AND MOUNT ON UNISTRUT. RECONNECT ALL THE FIELD WIRING TO MATCH EXISTING.

BUILDING DESIGN &  
CONSTRUCTION



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Project \_\_\_\_\_

2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN

STATES STREET PARK RESTROOM  
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Block No.2615 - Lot No. 002

Consultant \_\_\_\_\_

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DESIGNED BY:	GD	DATE: 3/2012
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MAURICE CHEE		
SECTION MANAGER:		DATE:
DEPUTY DIVISION MANAGER:		DATE:
DIVISION MANAGER:		DATE:

Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title \_\_\_\_\_

GENERAL NOTES

Sheet No. \_\_\_\_\_

E-2

Scale: NONE

Job No. 3092-V



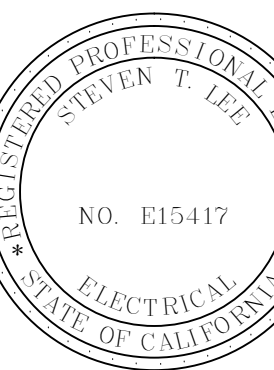
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DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028

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	DIVISION MANAGER:	DATE:	

Date	Revisions

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Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title

SINGLE LINE  
DIAGRAM AND  
PANEL SCHEDULE

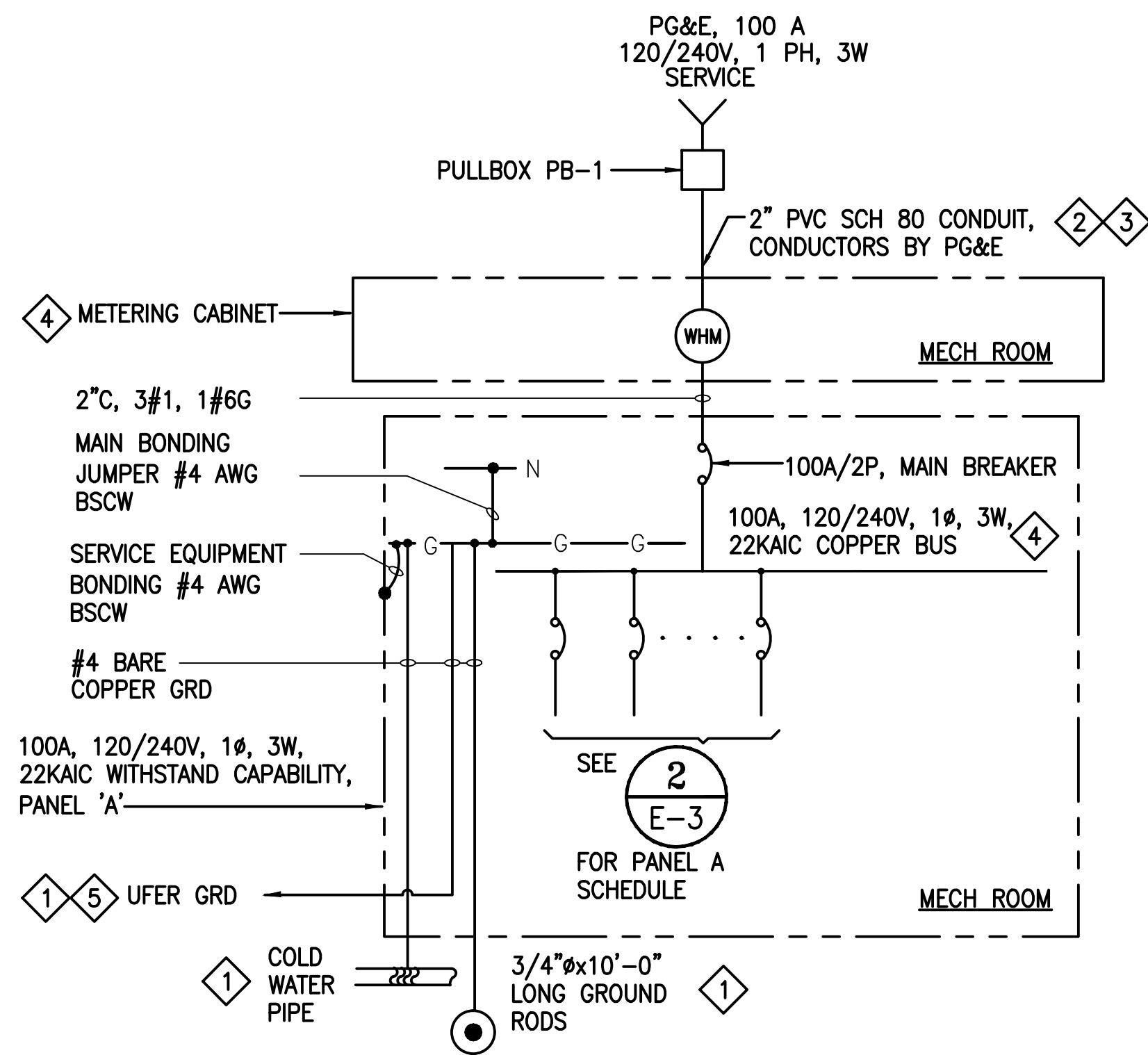
Sheet No.

E-3

Scale: NONE

Job No.

3092-V



SINGLE LINE DIAGRAM 1  
E-3

SHEET NOTES

- 1 PROVIDE GROUNDING PER NEC 250-53, 250-62, 250-66, 250-80 AND TABLE 250-66, 250-122 AND PER SPECIFICATION 26 05 26.
- 2 CONTRACTOR TO COORDINATE AND COMPLY WITH PG&E GREEN BOOK REQUIREMENTS. PROVIDE CONDUIT AND METER TERMINATION AS REQUIRED PER PG&E.
- 3 CONTRACTOR TO COORDINATE WITH PG&E ENGINEER AND PG&E GREEN BOOK FOR EXACT REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
  - 1) CONDUIT ROUTING & SERVICE BOX WHERE REQUIRED.
  - 2) PG&E FAULT CURRENT RATING, SUBMISSION OF INCOMING SERVICE ELEVATION, AND SUBMITTAL TO PG&E FOR APPROVAL BEFORE FABRICATION.
- 4 MANUFACTURER OF METER MAIN SHALL MEET EUSERC GUIDELINES PER EUSERC MANUAL SECTION 200 AND SECTION 300. OBTAIN PG&E APPROVAL OF ELECTRICAL SERVICE EQUIPMENT PRIOR TO INSTALLATION.
- 5 ELECTRODE TO BE ENCASED IN A MINIMUM 2" CONCRETE, THAT IS IN DIRECT CONTACT WITH THE EARTH, CONSISTING OF AT LEAST 20' BARE COPPER CONDUCTOR NOT LESS THAN 1/2" DIA. ROD OR #4AWG.

PANEL: A	LOCATION: PLUMBING ROOM, ROOM 3
VOLTAGE: 120/240V	PHASE: 1 WIRE: 3
NEMA: 1	AIC: 22,000
	BUS: 125A MAIN: 100A

LOAD DESCRIPTIONS	A		B		BKR		CKT NO:	BKR		A		B		LOAD DESCRIPTIONS
	VA	VA	VA	VA	A	VA		VA	VA	VA				
HAND DRYER - MEN'S	1600		20		1	2	20		391				LTG - R.ROOM, JAN. CLOS, EF-1	
HAND DRYER - WOMEN'S		1600	20		3	4	20						LTG - EXTERIOR	
REC - TELECOM BACKBOARD	360		20		5	6	20						SPARE	
TIMECLOCK TC		200	20		7	8	20						SPARE	
REC - EXTERIOR	180		20		9	10	20						SPARE	
WATER HEATER		1800	20		11	12	20						SPARE	
TEA COMPOSTER	1800		20		13	14							SPACE	
SPACE					15	16							SPACE	
SPACE					17	18							SPACE	
SPACE					19	20							SPACE	
SPACE					21	22							SPACE	
SPACE					23	24							SPACE	
SPACE					25	26							SPACE	
SPACE					27	28							SPACE	
SPACE					29	30							SPACE	
TOTAL	3940	3600							391	392				
TOTAL PHASE A LOAD :	4331 VA													
TOTAL PHASE B LOAD :	3992 VA													
TOTAL LOAD:	8323 VA		34.7A											

PANEL A SCHEDULE 2  
E-3

LIGHT FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	LAMPS	VOLT	MOUNTING
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A</span> 49	WET LOCATION RATED, EXTERIOR LED LIGHTING FIXTURE WITH INTEGRATED DRIVER, EXTRUDED ALUMINUM HOUSING, AND FROSTED GLASS LENS. PROVIDE SHOP DRAWINGS PRIOR TO ORDERING. COORDINATE MOUNTING LOCATIONS WITH ARCHITECT. EXACT LENGTHS TO BE SPECIFIED IN THE FIELD.	LUMENPULSE LOG HO/120/36/40K/30X60 OPTICS/UMP/SI/NO/ETE	49W LED	120V	RECESSED
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A1</span> 49	SAME AS FIXTURE "A" EXCEPT WITH CLEAR GLASS LENS AND 60"X60" OPTICS.	LUMENPULSE LOG HO/120/36/40K/60X60 OPTICS/UMP/SI/NO/ETE	49W LED	120V	RECESSED
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">A2</span> 49	SAME AS FIXTURE "A" EXCEPT WITH UNIVERSAL ADJUSTABLE MOUNTING BRACKETS FOR WALL MOUNTING.	LUMENPULSE LOG HO/120/36/40K/30X60 OPTICS/UMAS/SI/NO/ETE	49W LED	120V	WALL-MOUNTED
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">C</span> 60	4' HIGH ABUSE SURFACE MOUNTED FIXTURE WITH HEAVY GAUGE STEEL HOUSING, POLYCARBONATE LENS, AND INTEGRATED DRIVER.	NEWSTAR 51HA4-L-50-B-12-SS-WL	60W LED	120V	SURFACE MOUNT
<span style="border: 1px solid black; border-radius: 50%; padding: 2px;">EM</span> 10	VANDAL RESISTANT, WET LOCATION LED EMERGENCY LIGHT WITH GASKET SEALED DIE-CAST ALUMINUM HOUSING, POLYCARBONATE REFRACTOR, AND 90 MINUTE INTEGRAL EMERGENCY BATTERY. COLOR PER ARCHITECT.	ISOLITE ELED SERIES: ELED-EM	10W LED	120V	WALL

LIGHTING FIXTURE SCHEDULE 3  
E-3

DIGITAL LIGHTING

CONTROLLER: TC

NEMA 1 ENCLOSURE

SEE: 15' H, 10 3/4" W, 4" D

VOLTAGE: 120V

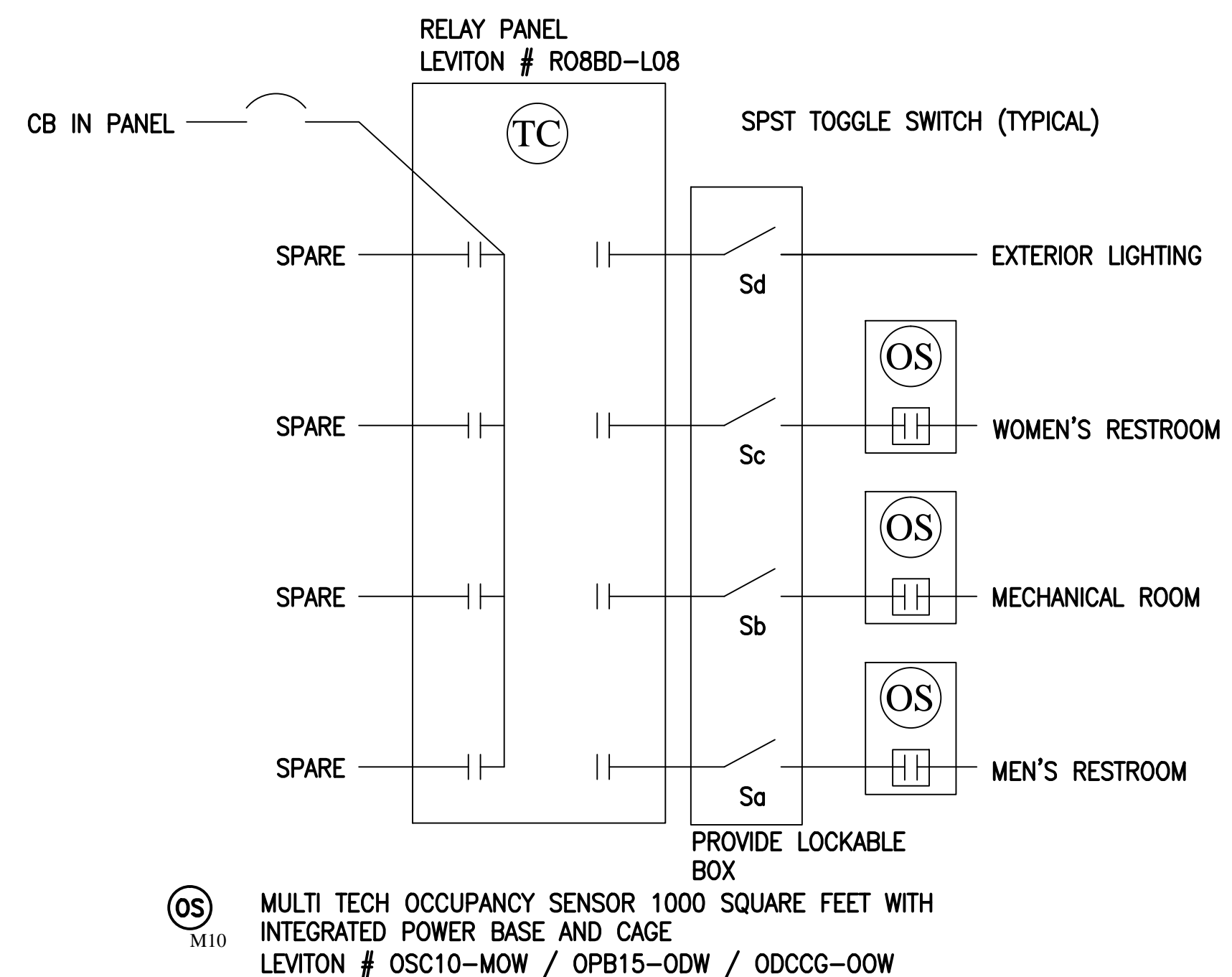
LOCATION: PLUMBING ROOM

MOUNTING: SURFACE

FEED FROM EXISTING PANEL A-7

Channel #	CIRCUIT #	CIRCUIT LOAD (VA)	LOAD DESCRIPTION
1	25	4331	EXTERIOR LIGHTS
2	26	3992	MEN'S RESTROOM
3	27	3992	MEN'S RESTROOM
4	28	3992	MEN'S RESTROOM
5	29	3992	MEN'S RESTROOM
6	30	3992	MEN'S RESTROOM
TOTAL LOAD		8323	

DIGITAL TIMECLOCK SCHEDULE



LIGHTING CONTROL DIAGRAM







**Certificate of Compliance** (Page 1 of 4) **OLTG-1C**

Project Name: STATES STREET PARK RESTROOMS Date: 1/4/2012

Project Address: STATES ST, SAN FRANCISCO 94114

General Information  
Phase of Construction:  New Construction  Addition  Alteration

Documentation Author's Declaration Statement  
I certify that this Certificate of Compliance documentation is accurate and complete.

Name: JUSTINA LAW Signature: \_\_\_\_\_ Date: 1/4/2012

Company: DPW, CITY & COUNTY OF SF  
Address: 30 VAN NESS AVE. 5TH FLOOR  
City/State/Zip: SAN FRANCISCO, CA 94102

Principal Lighting Designer's Declaration Statement  
I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.

Name: STEVEN LEE Signature: \_\_\_\_\_ Date: 1/4/2012

Company: DPW, CITY & COUNTY OF SF  
Address: 30 VAN NESS AVE. 5TH FLOOR  
City/State/Zip: SAN FRANCISCO, CA 94102

Principal Lighting Designer's Declaration  
 I certify that this Certificate of Compliance documentation is accurate and complete, and accounts for all outdoor lighting power, including building mounted, pole mounted, as well as all other outdoor lighting designed for the site, and that Additional Lighting Power Allowances for Specific Applications or Additional Lighting Power Allowances for Ordinance Requirements have not been counted more than one time for the same area, in accordance with Section 147 of the Standards.

Outdoor Lighting Mandatory Measures  
Indicate location on building plans of Mandatory Measures Note Block: THIS SHEET

Lighting Compliance Forms & Worksheets (check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.

OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittals.

OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.

OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.

OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

**Certificate of Compliance** (Page 2 of 4) **OLTG-1C**

**COMPLIANCE FIXTURE / LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST**

Project Name: STATES STREET PARK RESTROOMS Date: 1/4/2012

INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.)  Field Inspection

CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.)  Field Inspection

A	B	C	D	E	F	G	H	I
Name or Item Tag	Luminaire Description <sup>1</sup> (See footnote below)	Cutoff Designation	Watts per Luminaire	Special	How wattage was determined	Number of Luminaire	Watts	Field Inspector <sup>2</sup>
A,A2	1 ROW LED FIXT		49			8	392	
Enter total into OLTG-1C, Page 4 of 4, Row H, Total Installed Watts:						392		

1. Type of luminaire (i.e., post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e., fluorescent, incandescent, HID); ballast type (i.e., electronic or magnetic); number of lamps and number of ballasts per luminaire. For incandescent luminaires, the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire, NOT the wattage of the lamp (bulb) used, in accordance with Section 140(d) or (e).

2. If field items describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

EXEMPT LUMINAIRES  Field Inspection

Name or Symbol	Description of exempt luminaires in accordance with §147

MANDATORY CONTROLS  Field Inspection

#	Description	Location	#	Description	Location
1	TIMECLOCK	PLUMBING RM			

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)  
The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies based on the adequacy of the special justification and documentation submitted.

Field Inspector Notes or Discrepancies:

**Certificate of Compliance** (Page 3 of 4) **OLTG-1C**

Project Name: STATES STREET PARK RESTROOMS Date: 1/4/2012

**A. OUTDOOR LIGHTING ZONE**

OUTDOOR LIGHTING ZONE:  OLZ 1  OLZ 2  OLZ 3  OLZ 4

Is the Outdoor Lighting Zone:  Default in accordance with §10-114, or  Amended by JHA

Complete the information below if the default Outdoor Lighting Zone has been amended by the local jurisdiction having authority (JHA):

The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as L22 or L23, in accordance with Table 10-114-A, because the site is contained within such a zone.

The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in §10-114(d) to the Executive Director.

The adopted change is posted on the Energy Commission website.

**B. ADDITIONAL LIGHTING POWER ALLOWANCE FOR ORDINANCE REQUIREMENTS**

Are additional lighting power allowances for ordinance in Table 147.C used?  Yes  No

Complete the information below if additional lighting power allowances for ordinance requirements are used:

The local jurisdiction having authority has officially adopted specific outdoor light levels, which are expressed as average or minimum footcandle levels, by following a public process that allowed for formal public notification, review, and comment about the proposed change.

The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required §10-114(f) to the Executive Director.

**C. ACCEPTANCE FORMS**

Required Acceptance Tests

Designer:  
This form is to be used by the designer and attached to the plans. Listed below is the acceptance test for the Lighting system. OLTG-2A. The designer is required to check the acceptance tests and list all control devices serving the building or space shall be certified as meeting the Acceptance Requirements for Code Compliance. If all the lighting system or control of a certain type requires a test, list the different lighting and the number of systems. The NA7 Section in the Appendix of the Nonresidential Reference Appendices Manual describes the test. Since this form will be part of the plans, completion of this section will allow the responsible party to budget for the scope of work appropriately. Forms can be grouped by type of Luminaire controlled.

**Enforcement Agency:**  
Systems Acceptance. Before Occupancy Permit is granted for a newly constructed building or space or when ever new lighting system with controls is installed in the building or space shall be certified as meeting the Acceptance Requirements. The OLTG-2A form is not considered a complete form and is not to be accepted by the enforcement agency unless the boxes are checked and/or filled and signed. In addition, a Certificate of Acceptance forms shall be submitted to the enforcement agency that certifies plans, specifications, installation certificates, and operating and maintenance information meet the requirements of §10-103(b) of Title 24 Part 6. The field inspector must receive the properly filled out and signed forms before the building can receive final occupancy. A copy of the OLTG-2A for each different lighting luminaire control(s) must be provided to the owner of the building for their records.

Equipment Requiring Testing	Luminaires Controlled		Location	Certificate of Acceptance OLTG-2A <sup>1</sup>
	Description	Number of Lamps or Controls		

1. Insert: OMS for Outdoor Motion Sensor; OLSG for Outdoor Lighting Shut-off Controls; OP for Outdoor Photocontrol; ATS for Astronomical Time Switch; and STS for Standard (non-astronomical) Time Switch acceptance.

**CERTIFICATE OF COMPLIANCE** (Page 4 of 4) **OLTG-1C**

Project Name: STATES STREET PARK RESTROOMS Date: 1/4/2012

**ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER**

	Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3) 855.5
B	Specific application lighting wattage allowance per unit length (from OLTG-2C Page 1 of 3)
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3)
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3)
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3)
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3)
G	Total Allowed Wattage = Sum of rows A through F: 855.5
H	Total Installed Watts (from Luminaire Schedule, (from OLTG-1C Page 2 of 4) 392

Provided that the lighting wattage power allowances listed in rows A through F are identical to the lighting wattage power allowances taken from OLTG-2C Pages 1 through 3, complies if Installed Wattage in row H is less than or equal to the Total Installed Wattage in row G.  Yes  No

NOTES:

**OUTDOOR LIGHTING WORKSHEET** (Page 1 of 3) **OLTG-2C**

Project Name: STATES STREET PARK RESTROOMS Date: 1/4/2012

**A. LIGHTING POWER ALLOWANCE FOR GENERAL HARDSCAPE**

AREA WATTAGE ALLOWANCE (AWA)			LINEAR WATTAGE ALLOWANCE (LWA)			INITIAL WATTAGE ALLOWANCE	TOTAL GENERAL HARDSCAPE LIGHTING ALLOWANCE	
A	B	C	D	E	F	G	H	
ILLUMINATED HARDSCAPE AREA	AWA PER SQUARE FOOT	AWA (A X B)	PERIMETER LENGTH OF GENERAL HARDSCAPE	LWA PER LINEAR FOOT	LWA (D X E)	IWA (WATTS)	C + F + G	
185	0.092	17	74.5	0.92	68.5	770	855.5	
Enter total into OLTG-1C, Page 4 of 4, Row A, Lighting Power Allowance for General Hardscape:							855.5	

Yes: AWA, LWA, and IWA from Table 147-A was used as appropriate for the Outdoor Lighting Zone

**B. SPECIFIC APPLICATION LIGHTING WATTAGE ALLOWANCE PER UNIT LENGTH (Available only for sales frontage)**

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE		DESIGN WATTS			
A	B	C	D	E	F	G	H	
Specific Lighting Application	Linear Feet of Frontage	Sales Frontage Allowance for OLZ (watts per ft)	Wattage Allowance (B x C)	Name or Symbol	Luminaire Type	Luminaire Quantity	Watts per Luminaire	
Enter total into OLTG-1C, Page 4 of 4, Row B, Specific Application Lighting Wattage Allowance Per Unit Length								

**C. SPECIFIC APPLICATION WATTAGE ALLOWANCE FOR ORNAMENTAL LIGHTING**

DETERMINE WATTAGE ALLOWANCE			LUMINAIRE TYPE		DESIGN WATTS			
A	B	C	D	E	F	G	H	
Specific Lighting Application	Square feet of Hardscape	Ornamental Lighting Allowance for OLZ (watts per ft <sup>2</sup> )	Wattage Allowance (B x C)	Name or Symbol	Luminaire Type	Luminaire Quantity	Watts per Luminaire	
Enter total into OLTG-1C, Page 4 of 4, Row C, Specific Application Wattage Allowance for Ornamental Lighting								

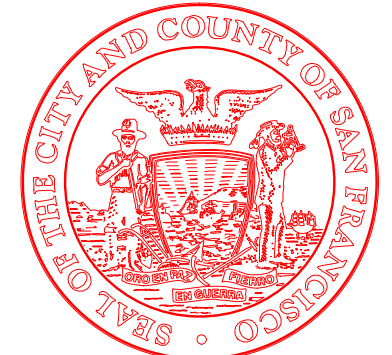
**OUTDOOR LIGHTING MANDATORY MEASURES** **OLTG-MM**

**INSTALLED LIGHTING POWER:**  
Installed lighting power has been determined in accordance with §130(c).

**OUTDOOR LIGHTING:**  
All permanently installed outdoor luminaires that have lamps rated over 100 watts have a lamp efficacy of at least 60 lumens per watt or are controlled by a motion sensor.

**CUTOFF REQUIREMENTS:**  
All outdoor luminaires that have lamps rated greater than 175 watts in hardscape areas including parking lots, building entrances, sales and non-sales canopies, and all outdoor sales areas shall be designated cutoff for light distribution.

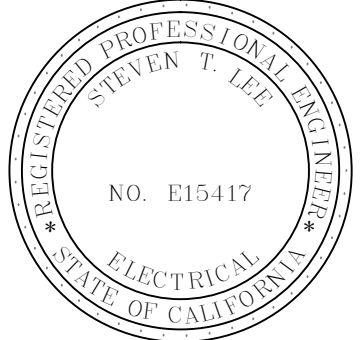
**OUTDOOR LIGHTING CONTROLS:**  
All permanently installed outdoor lighting shall be controlled by a photocontrol or astronomical time switch that automatically turns off the outdoor lighting when daylight is available. For any lighting of building facades, parking lots, sales and non-sales canopies, and student pick-up/drop-off zones where two or more luminaires are used, an automatic time switch shall be installed that is capable of turning off the lighting when not needed and reducing the lighting power by at least 50 percent but not exceeding 80 percent or providing continuous dimming through a range that includes 50 percent through 80 percent reduction.



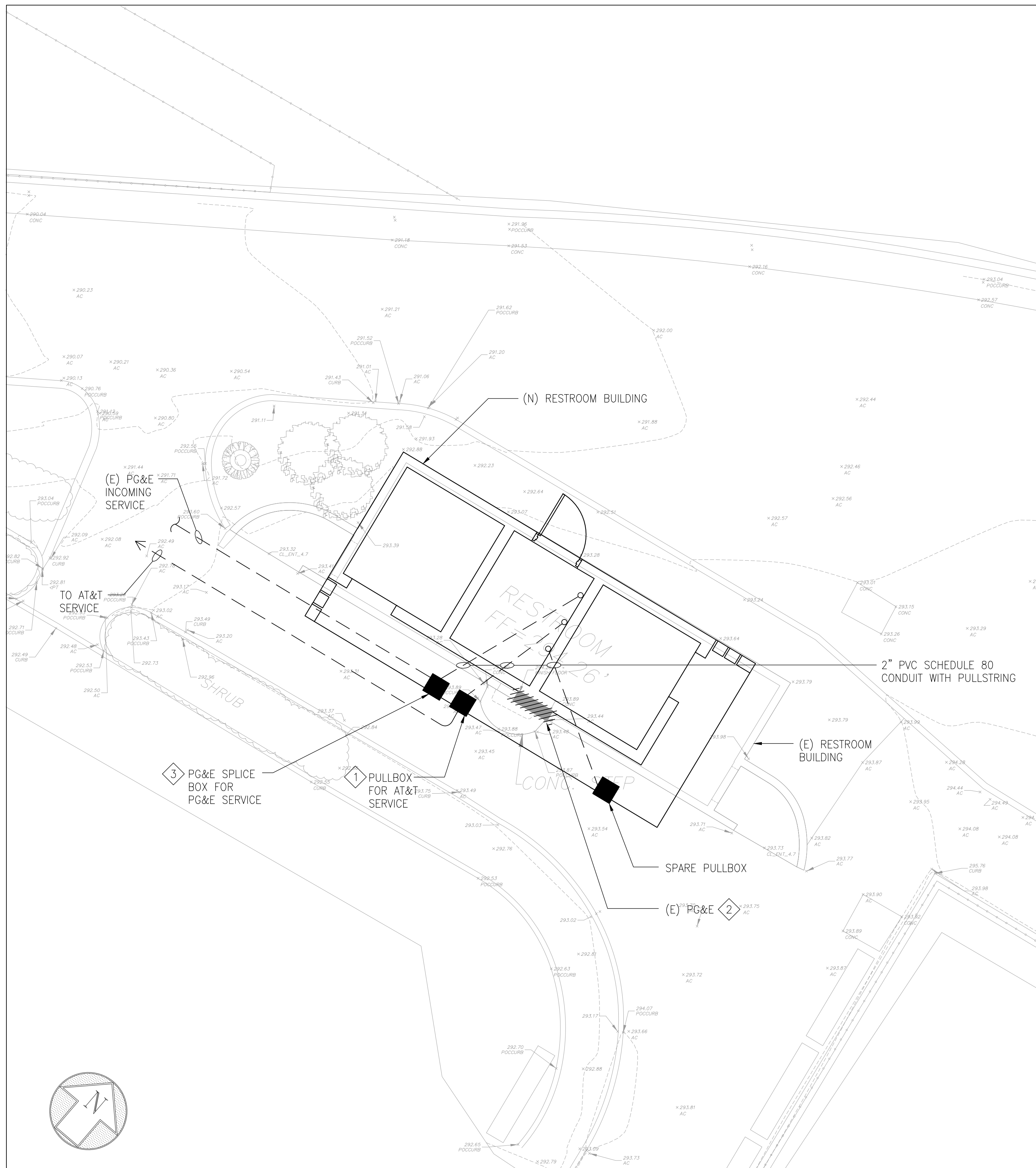
DESIGNED BY:	GD	DATE
DRAWN BY:	JL	3/2012
CHECKED BY:	SL	3/2012
APPROVED		
MAURICE CHIEE		
SECTION MANAGER:		DATE:
DEPUTY DIVISION MANAGER:		DATE:
DIVISION MANAGER:		DATE:

Date	Revisions

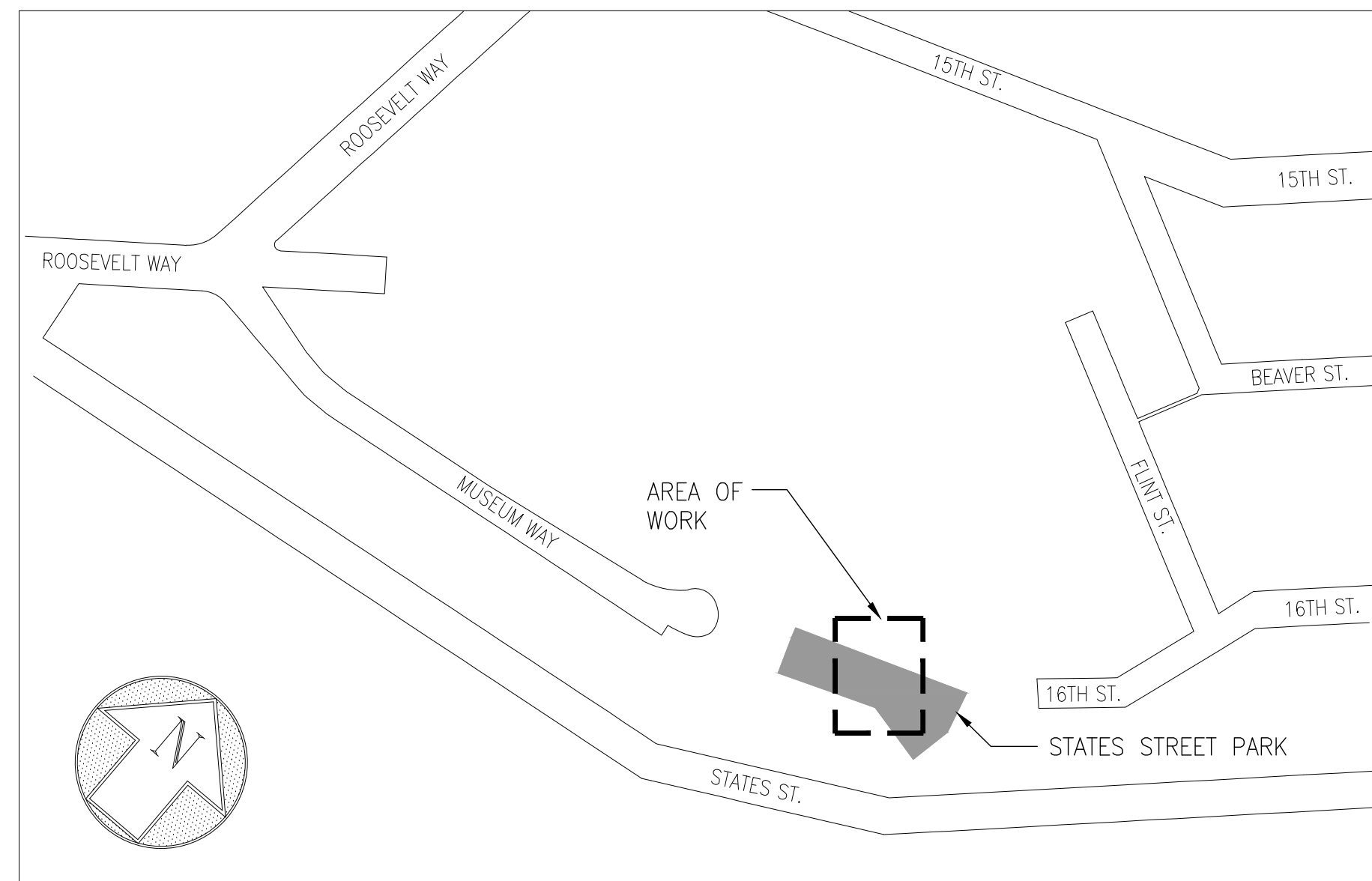
Section Head: T. LEUNG  
Proj. Mgr.: M. YEE  
Proj. Arch.: T. LEUNG  
Drawn:  
Date: MARCH 2012  
Phase: PERMIT SET



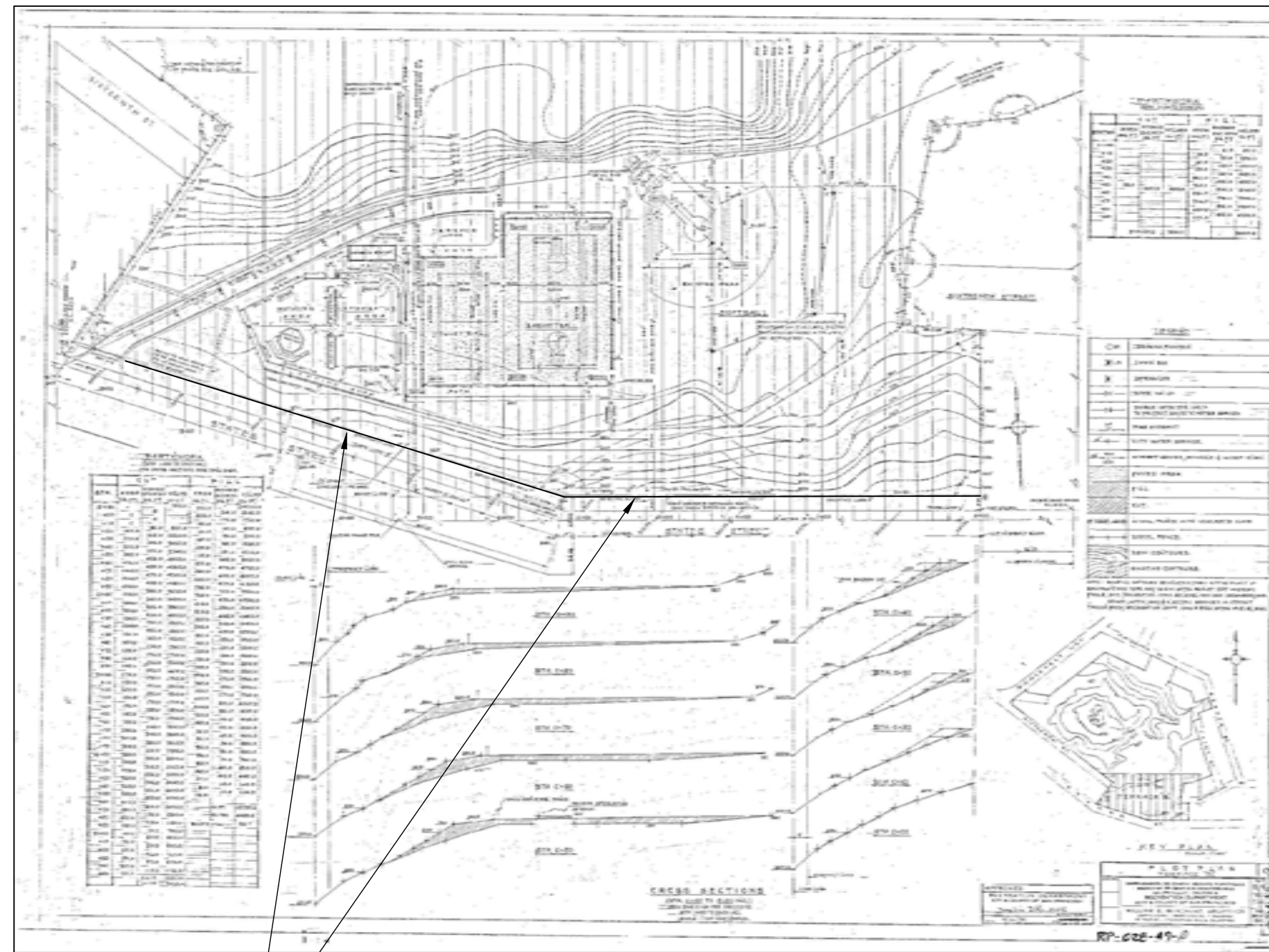




**1 SITE PLAN**  
SCALE: 1/4" = 1'-0"

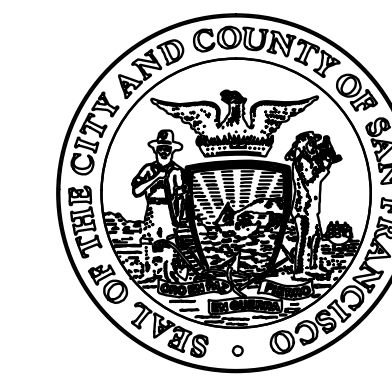


**2 SITE LOCATION**  
SCALE: NONE



**3 PROPERTY LINE BOUNDARIES**  
SCALE: NONE

- SHEET NOTES**
- FURNISH & INSTALL CONDUIT & SERVICE PULLBOX PER AT&T UTILITY REQUIREMENTS. COORDINATE WITH ARNIE FRELIX FOR NEAREST SERVICE POINT. CURRENT ESTIMATE IS APPROXIMATELY 100 FEET.
  - SEE ARCHITECTURAL DEMOLITION NOTES FOR (E)PG&E METER REMOVAL; (E)PG&E METER NUMBER IS #P22261.
  - CONTRACTOR TO COORDINATE WITH PG&E FOR EXACT REQUIREMENTS FOR PULLBOX AND CONDUIT PRIOR TO INSTALLATION. FIELD INVESTIGATE AND INTERCEPT EXISTING CONDUIT.



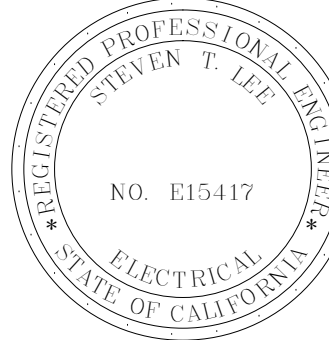
Consultant

**INFRASTRUCTURE DIVISION**  
DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028

DESIGNED BY:	GD	3/2012
DRAWN BY:	JL	3/2012
CHECKED BY:	SL	3/2012
APPROVED		
MAURICE CHIEE		
SECTION MANAGER:		DATE:
DEPUTY DIVISION MANAGER:		DATE:
DIVISION MANAGER:		DATE:

Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title  
**ELECTRICAL SITE PLAN**

Sheet No.  
**E-6**

Scale: AS NOTED  
Job No. **3092-V**



Consultant

INFRASTRUCTURE DIVISION  
DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028

DESIGNED BY:	GD	3/2012
DRAWN BY:	JL	3/2012
CHECKED BY:	SL	3/2012
APPROVED		
MAURICE CHEE		
SECTION MANAGER:		DATE:
DEPUTY DIVISION MANAGER:		DATE:
DIVISION MANAGER:		DATE:

Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Date MARCH 2012  
Phase PERMIT SET



Drawing Title

ELECTRICAL  
LIGHTING PLAN &  
POWER PLAN

Sheet No.

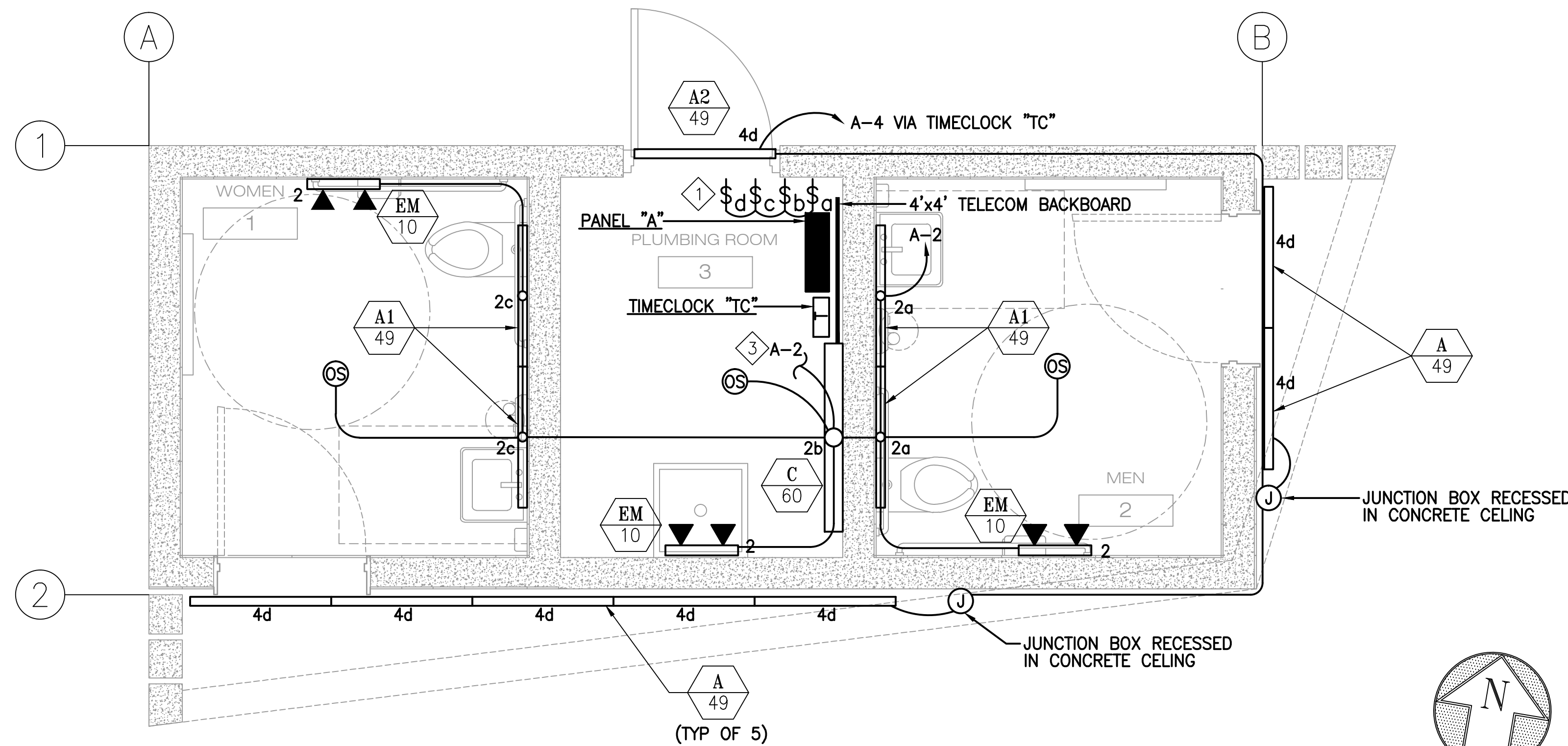
E-7

Job No.

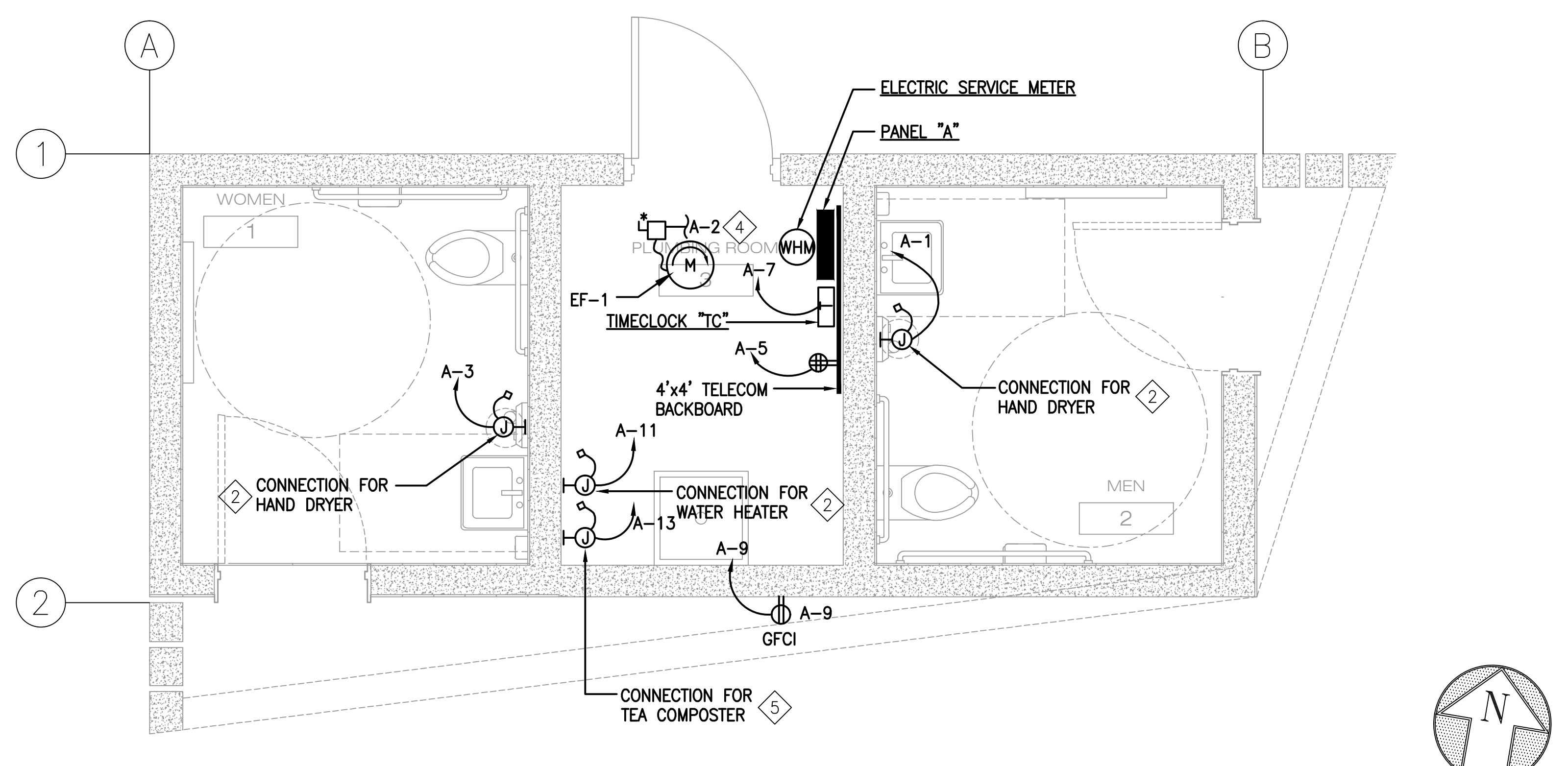
3092-V

**SHEET NOTES**

- 1 F/I LOCABLE BOX FOR LIGHTING SWITCHES.
- 2 REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND MOUNTING HEIGHT. COORDINATE WITH MECHANICAL/PLUMBING TO AVOID POTENTIAL CONFLICT.
- 3 SEE CONTINUATION OF LIGHTING CIRCUIT A-2 ON POWER PLAN.
- 4 FROM LIGHTING CIRCUIT A-2. REFER TO LIGHTING PLAN FOR CONTINUATION.
- 5 COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
- 6 ALL ELECTRICAL CONDUITS SHALL BE EMBEDDED IN CONCRETE/CONCRETE WALLS, U.O.N.



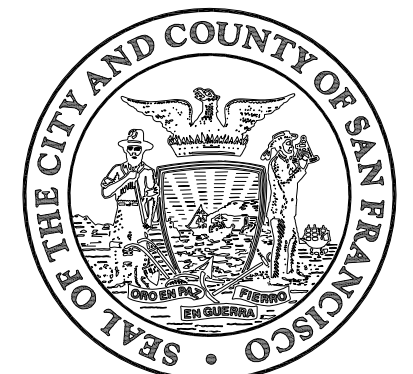
1 LIGHTING PLAN  
1/2" = 1'-0"



2 POWER PLAN  
1/2" = 1'-0"



**BUILDING DESIGN &  
CONSTRUCTION**



Architecture • Construction  
Tara D. Lamont - Acting Deputy Division Manager  
30 Van Ness Avenue Suite 4100  
San Francisco, CA (415) 557-4700  
94102-6028 Fax (415) 5574701

Project \_\_\_\_\_

**2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN**

STATES STREET PARK RESTROOM  
122 STATES ST., San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant \_\_\_\_\_

**INFRASTRUCTURE DIVISION  
DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028**

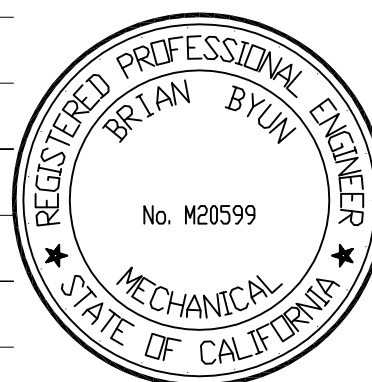
DESIGNED BY:	PL/AC	DATE	03/2012
DRAWN BY:	PL/AC	DATE	03/2012
CHECKED BY:	BB/KL/MC	DATE	03/2012

APPROVED	
MAURICE CHEE SECTION MANAGER:	DATE:
NORMAN CHAN DEPUTY DIVISION MANAGER:	DATE:
PATRICK RIVERIA DIVISION MANAGER:	DATE:

**50% PROGRESS SET**

No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET MECHANICAL ENGINEER



Drawing Title \_\_\_\_\_

**MECHANICAL  
ABBREVIATIONS,  
SYMBOLS AND LEGEND  
AND DRAWING LIST**

Sheet No. \_\_\_\_\_

**M-1**

Scale NO SCALE

Job No. \_\_\_\_\_

3092V

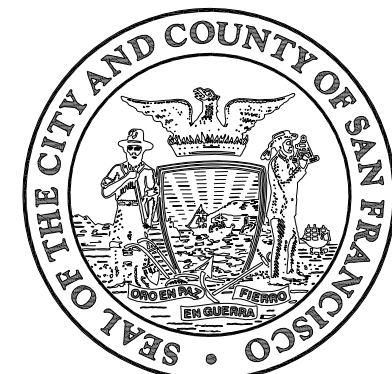
**ABBREVIATIONS**

ABBREV	DESCRIPTION	ABBREV	DESCRIPTION
AC	AIR CONDITIONING	HV	HEATING & VENTILATING
AD	ACCESS DOOR	HVAC	HEATING, VENTILATING & AIR CONDITIONING
AFF	ABOVE FINISHED FLOOR	HZ	HERTZ
AMPS	AMPERES	ID	INSIDE DIAMETER or INSIDE DIMENSION
AP	ACCESS PANEL	IN	INCH
APD	AIR PRESSURE DROP	KW	KILOWATTS
ARCH	ARCHITECT OR ARCHITECTURAL	LBS	POUNDS
ASSOC	ASSOCIATED	LDB	LEAVING DRY BULB
ASSY	ASSEMBLY	LF	LINEAR FEET
AUTO	AUTOMATIC	LWB	LEAVING WET BULB
AV	AIR VENT	LVL	LEVEL
AVG	AVERAGE	LWT	LEAVING WATER TEMPERATURE
BDD	BACKDRAFT DAMPER	MAX	MAXIMUM
BEL	BELOW	MBH	THOUSAND BTU PER HOUR
BFF	BELOW FINISHED FLOOR	MCA	MINIMUM CIRCUIT AMPACITY
BHP	BRAKE HORSEPOWER	MCC	MOTOR CONTROL CENTER
BLDG	BUILDING	MECH	MECHANICAL
BTU	BRITISH THERMAL UNIT	MFR	MANUFACTURER
BTUH	BRITISH THERMAL UNIT PER HOUR	MFS	MAXIMUM FUSE SIZE
CALCS	CALCULATIONS	MIN	MINIMUM
CAP	CAPACITY	MISC	MISCELLANEOUS
CER	CEILING EXHAUST REGISTER	MTD	MOUNTED
CFH	CAPPED FOR FUTURE	(N)	NEW
CFH	CUBIC FEET PER HOUR	NA	NOT APPLICABLE
CFM	CUBIC FEET PER MINUTE	NC	NORMALLY CLOSED or NOISE CRITERIA
CFS	CUBIC FEET PER SECOND	NFA	NET FREE AREA
CLG	CEILING	NIC	NOT IN CONTRACT
COL	COLUMN	NO	NORMALLY OPEN
CONC	CONCRETE	NTS	NOT TO SCALE
CONN	CONNECT or CONNECTION	OA	OUTSIDE AIR
CONT	CONTINUATION	OBD	OPPOSED BLADE DAMPER
CRR	CEILING RETURN REGISTER	OD	OUTSIDE DIAMETER or OUTSIDE DIMENSION
CTE	CONNECT TO EXISTING	OPER	OPERATING
CU	COMPRESSOR UNIT	OPP	OPPOSITE
CW	COLD WATER	OSA	OUTSIDE AIR
DB	DECIBELS or DRY BULB	OV	OUTLET VELOCITY
DER	DUCT-MOUNTED EXHAUST REGISTER	PD	PRESSURE DROP
DIA	DIAMETER	PH	PHASE
DIM	DIMENSION	PSI	POUNDS PER SQUARE INCH
DIV	DIVISION	PSIG	POUNDS PER SQUARE INCH GAUGE
DN	DOWN	QTY	QUANTITY
DTL	DETAIL	RA	RETURN AIR
DD	DUCT SMOKE DETECTOR	RAG	RETURN AIR GRILLE
DSD	DUCT SMOKE DETECTOR	REF	REFERENCE
DWG	DRAWING	REQD	REQUIRED
(E)	EXISTING	RM	ROOM
EA	EACH or EXHAUST AIR	RPM	REVOLUTIONS PER MINUTE
EAT	ENTERING AIR TEMPERATURE	SA	SUPPLY AIR
EDB	ENTERING DRY BULB	SAD	SEE ARCHITECTURAL DRAWING
EER	EMERGENCY EFFICIENCY RATIO	SAR	SUPPLY AIR REGISTER
EFF%	EFFICIENCY (PERCENTAGE)	SCC	SENSIBLE COOLING CAPACITY
ELEC	ELECTRIC or ELECTRICAL	SCHED	SCHEDULE
EL	ELEVATION	SECT	SECTION
EMGY	EMERGENCY	SF	SQUARE FEET
ENGR	ENGINEER	SHT	SHEET
EQ	EQUAL	SIM	SIMILAR
EQPT	EQUIPMENT	SP	STATIC PRESSURE
ESP	EXTERNAL STATIC PRESSURE	SPECS	SPECIFICATIONS
EWB	ENTERING WATER BULB	SQ	SQUARE
EWT	ENTERING WATER TEMPERATURE	SS	STAINLESS STEEL
(F)	FUTURE	STD	STANDARD
*F	DEGREE FAHRENHEIT	STRUCT	STRUCTURAL
FD	FIRE DAMPER	SYST	SYSTEM
FF	FINISHED FLOOR	TCC	TOTAL COOLING CAPACITY
FFE	FINISHED FLOOR ELEVATION	TCP	TEMPERATURE CONTROL PANEL
FIN	FINISHED	TDH	TOTAL DYNAMIC HEAD
FLA	FULL LOAD AMPS	TEMP	TEMPERATURE
FLR	FLOOR	TC	TRANSFER GRILLE
FPI	FINS PER INCH	TP	TOTAL PRESSURE
FPM	FEET PER MINUTE	TYP	TYPICAL
FPS	FEET PER SECOND	UON	UNLESS OTHERWISE NOTED
FT	FEET	V	VOLTS
FTWG	FEET OF WATER, GAUGE PRESSURE	VD	VOLUME DAMPER
GA	GAUGE	VEL	VELOCITY
GAL	GALLONS	VIF	VERIFY IN FIELD
GC	GENERAL CONTRACTOR	VOL	VOLUME
GEN	GENERAL	W/	WITH
GPH	GALLONS PER HOUR	W	WATTS
GPM	GALLONS PER MINUTE	WC	WATER COLUMN
GSM	GALVANIZED SHEET METAL	WER	WALL EXHAUST REGISTER
HD	HEAD	WPD	WATER PRESSURE DROP
HHWR	HEATING HOT WATER RETURN	WRR	WALL RETURN REGISTER
HHWS	HEATING HOT WATER SUPPLY	WTR	WATER
HORIZ	HORIZONTAL	WT	WEIGHT
HP	HORSEPOWER	WSR	WALL SUPPLY REGISTER
HR	HOUR		

**SYMBOLS AND LEGEND**

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DETAIL TAG		EXISTING DUCTWORK TO BE REMOVED
	EQUIPMENT TAG		PIPE RISER/PIPE UP
	THERMOSTAT		PIPE DROP/PIPE DROP
	CARBON DIOXIDE SENSOR		BRANCH TOP PIPE CONNECTION
	POINT OF CONNECTION		BRANCH BOTTOM PIPE CONNECTION
	SUPPLY AIR DUCT DOWN		PIPE CAPPED
	SUPPLY AIR DUCT UP		FLOW IN DIRECTION OF ARROW
	SUPPLY AIR DUCT UP AND DOWN		HHWS HEATING HOT WATER SUPPLY PIPING
	RETURN AIR DUCT DOWN		HHWR HEATING HOT WATER RETURN PIPING
	RETURN AIR DUCT UP		CR CONCENTRIC REDUCER
	RETURN AIR DUCT UP AND DOWN		ER ECCENTRIC REDUCER
	EXHAUST AIR DUCT DOWN		UN UNION
	EXHAUST AIR DUCT UP		FC FLEXIBLE PIPE CONNECTOR
	EXHAUST AIR DUCT UP AND DOWN		ST STRAINER
	CEILING SUPPLY DIFFUSER NUMBER AND DIRECTION OF BLOWS INDICATED BY ARROWS		ST STRAINER WITH BLOWDOWN VALVE
	RETURN GRILLE		PG PRESSURE GAUGE WITH PET COCK
	EXHAUST GRILLE		TH THERMOMETER
	RECTANGULAR DUCTWORK DIMENSION VIEWED x DEPTH		GV GATE VALVE
	RECTANGULAR DUCTWORK WITH ACOUSTICAL LINING (INSIDE) DIMENSION VIEWED x (INSIDE) DEPTH, UON		GLV GLOBE VALVE
	ROUND DUCTWORK INSIDE DIAMETER, UON		BV BALL VALVE
	FLEXIBLE DUCT OR FLEXIBLE CONNECTION		BFV BUTTERFLY VALVE WITH MEMORY STOP
	BRANCH DUCTWORK SPLIT WITH 6 INCH WIDTH AND MINIMUM R = WIDTH OF BRANCH DUCT DOWNSTREAM		CV CHECK VALVE
	TURNING VANES AIRFOIL TYPE ONLY (ATV)		BV BALANCING VALVE - DHW
	RECTANGULAR DUCT TAKEOFF		POC POINT OF CONNECTION
	ROUND DUCT TAKEOFF WITH CONICAL TAP		
	VOLUME DAMPER		
	FIRE DAMPER WITH ACCESS PANEL		
	COMBINATION FIRE & SMOKE DAMPER WITH ACCESS PANEL		
	SMOKE DAMPER WITH ACCESS PANEL		
	DUCT TRANSITION		
	RECTANGULAR DUCT TO ROUND DUCT TRANSITION		
	ACCESS PANEL		
	EXISTING DUCTWORK		
	EXISTING DUCTWORK TO BE REMOVED		
	INCLINED DROP IN DIRECTION OF AIR FLOW		
	INCLINED RISE IN DIRECTION OF AIR FLOW		

**BUILDING DESIGN &  
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Project \_\_\_\_\_

**2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN**

STATES STREET PARK RESTROOM  
122 STATES ST., San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant \_\_\_\_\_

INFRASTRUCTURE DIVISION  
DEPARTMENT OF PUBLIC WORKS/  
CITY & COUNTY OF SAN FRANCISCO  
30 VAN NESS AVENUE, 5TH FLOOR  
SAN FRANCISCO, CA 94102-6028

DESIGNED BY: PL/AC DATE: 03/2012

DRAWN BY: PL/AC DATE: 03/2012

CHECKED BY: BB/KL/MC DATE: 03/2012

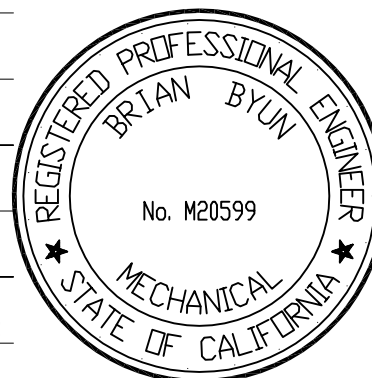
APPROVED

MAURICE CHEE  
SECTION MANAGER: DATE:  
NORMAN CHAN  
DEPUTY DIVISION MANAGER: DATE:  
PATRICK RIVERIA  
DIVISION MANAGER: DATE:

**50% PROGRESS SET**

No.	Date	Revisions

Section Head T. LEUNG  
Proj. Mgr. M. YEE  
Proj. Arch. T. LEUNG  
Drawn  
Date MARCH 2012  
Phase PERMIT SET MECHANICAL ENGINEER



Drawing Title \_\_\_\_\_

**MECHANICAL  
FLOOR PLAN,  
SCHEDULES AND  
GENERAL NOTES**

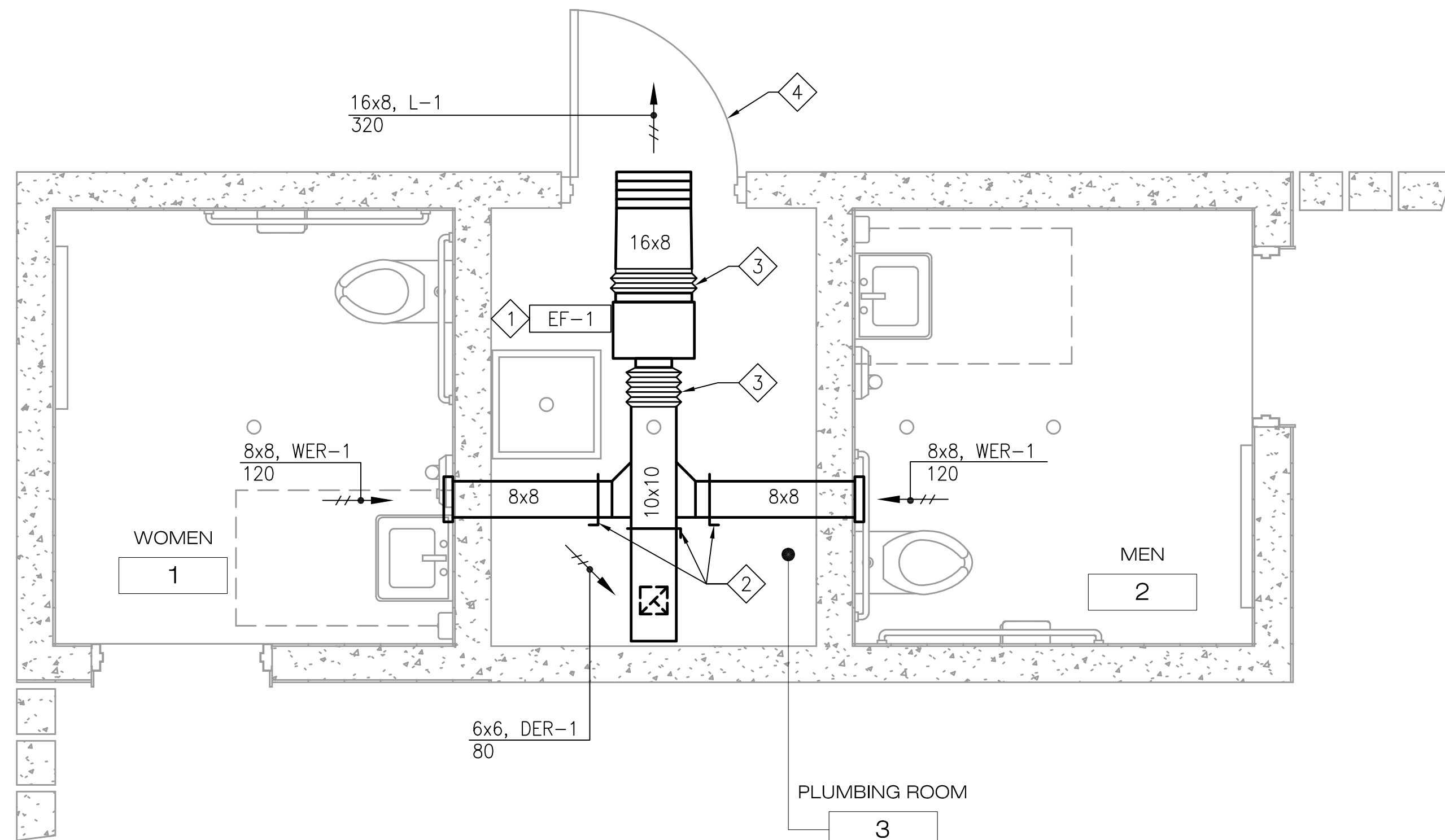
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Scale AS SHOWN

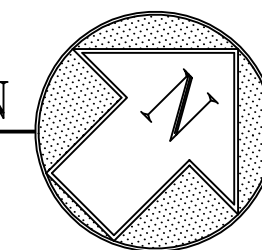
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3092V



**MECHANICAL FLOOR PLAN**

SCALE: 1/2" = 1'-0"



**SHEET NOTES:**

- ① EXHAUST FAN, EF-1, SHALL BE PROVIDED WITH MOUNTING SUPPORTS AND INSTALL AS HIGH AS POSSIBLE. CONTRACTOR SHALL SUBMIT EXHAUST FAN SUPPORT DETAIL TO ENGINEER FOR REVIEW AND APPROVAL.
- ② PROVIDE MANUAL VOLUME DAMPER.
- ③ PROVIDE FLEXIBLE CONNECTION.
- ④ PROVIDE 12x12 OUTDOOR AIR DOOR LOUVER (TITUS MODEL T-700 OR EQUAL). SAD FOR EXACT LOCATION.

**EXHAUST FAN SCHEDULE**

FAN TAG	SYSTEM	UNIT LOCATION	FAN CAPACITY				MOTOR				MANUFACTURER AND MODEL NO.	APPROX. WEIGHT (LBS)	REMARKS	
			CFM	RPM	ESP "WC	TYPE	MATERIAL	WATTS	AMPS	PH				HZ
EF-1	EXHAUST	PLUMBING CHASE	320	1,000	0.375	INLINE	GALVANIZED STEEL	135	1.87	1	60	GREENHECK CSP-A410	100	① THRU ⑦

EQUIPMENT SHALL BE FURNISHED WITH THE FOLLOWING MINIMUM FEATURES:

- ① FAN SHALL BEAR AMCA CERTIFIED RATING SEALS FOR BOTH SOUND AND AIR PERFORMANCE, AND SHALL BE UL LISTED.
- ② MAXIMUM SOUND LEVEL SHALL BE 2.5 SONES.
- ③ INTERLOCK WITH LIGHTING OCCUPANCY SENSOR.
- ④ NEMA 1 DISCONNECT SWITCH.
- ⑤ BACK DRAFT DAMPER.
- ⑥ DIRECT-DRIVEN CENTRIFUGAL FAN.
- ⑦ HANGING VIBRATION ISOLATORS.

**DIFFUSER/REGISTER SCHEDULE**

TAG	MANUFACTURER MODEL NUMBER	TYPE	CFM	INLET/NECK SIZE	MAX NC	REMARKS
WER-1	TITUS 350RL	WALL MOUNTED EXHAUST REGISTER	120	8x8	25	①
DER-1	TITUS 350RL	DUCT MOUNTED EXHAUST REGISTER	80	6x6	25	①
L-1	GREENHECK BVE	BRICK VENT	320	16x8	25	②③

EQUIPMENT SHALL BE FURNISHED WITH THE FOLLOWING MINIMUM FEATURES:

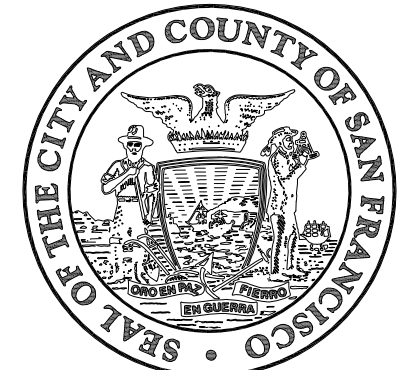
- ① PROVIDE WITH OPPOSED BLADE DAMPER.
- ② STRAIGHT DUCT TO MATCH WALL THICKNESS.
- ③ BUILT-IN ALUMINUM MESH INSECT SCREEN.

**GENERAL NOTES**

- |  |   |   |   |  |
|--|---|---|---|--|
| <p>1. LEGENDS ARE GENERIC STANDARDS, AND MAY DEPICT ITEMS NOT APPLICABLE TO THIS JOB.</p> <p>2. BACKGROUNDS ARE FOR CONCEPTUAL REFERENCE AND MAY NOT BE CURRENT. SEE APPROPRIATE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR BUILDING DETAILS.</p> <p>3. DUCT AND PIPING ROUTING IS SHOWN AS A GUIDE AND SHOULD BE FOLLOWED AS CLOSELY AS POSSIBLE BUT MAY BE MODIFIED AS NECESSARY TO MEET ACTUAL FIELD CONDITIONS AND INTERFERENCES. VERIFY WITH THE PROJECT ARCHITECT/ENGINEER.</p> <p>4. ALL AIR SIDE SYSTEMS SHALL BE BALANCED TO DESIGN CONDITION.</p> <p>5. DUCT DIMENSIONS INDICATED ARE NET INSIDE DIMENSION REQUIRED FOR AIR FLOW. INCREASE DUCT SIZE TO ALLOW FOR INSULATION THICKNESS.</p> | <p>6. VERIFY AT PROJECT SITE, EXACT SIZE, LOCATION, AND CLEARANCE OF EXISTING SERVICES.</p> <p>7. ALL REFERENCES TO BRAND NAMES OR TRADE NAMES ON SHEETS INCLUDES THE PHRASE "OR APPROVED EQUAL".</p> <p>8. ALL DEMOLISHED ITEMS SHALL BE REMOVED AND DISPOSED OF AS THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED.</p> <p>9. CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL VERIFICATION AND COORDINATION OF EXISTING CONDITIONS AND ALL OTHER TRADES. VERIFY ALL EXISTING CONDITIONS IN THE FIELD PRIOR TO PURCHASING EQUIPMENT. ALL DISCREPANCIES OR POTENTIAL PROBLEMS SHALL BE BROUGHT TO THE ATTENTION OF THE RPD'S REPRESENTATIVE PRIOR TO CONSTRUCTION.</p> | <p>10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION AND SHALL REPAIR ADJACENT AND/OR NEW SURFACES, AREAS AND PROPERTY THAT MAY BE DAMAGED AS A RESULT OF DEMOLITION AND/OR NEW WORK.</p> <p>11. EXISTING SYSTEMS SHOWN ON THE DRAWINGS ARE BASED ON INFORMATION CONTAINED IN THE ORIGINAL DESIGN "AS-BUILT" DOCUMENTS AND ON A LIMITED FIELD SURVEY.</p> <p>12. NOT ALL EXISTING SYSTEMS ARE SHOWN TO AID DRAWING INTERPRETATION CLARITY.</p> <p>13. PLANS ARE BASED ON ANTICIPATED EQUIPMENT SIZE AND CONFIGURATION. CONTRACTOR SHALL MODIFY ARRANGEMENT TO SUIT ACTUAL PURCHASED EQUIPMENT AS REQUIRED FOLLOWING THE CRITERIA ESTABLISHED BY THESE PLANS. DEPARTURES FROM THE CONTRACT DRAWINGS RESULTING FROM CHANGES IN EQUIPMENT SIZES AND CONFIGURATIONS, OR REARRANGEMENTS TO ACCOMMODATE FIELD CONDITIONS SHALL BE SUBMITTED IN DETAIL FOR THE PROJECT ARCHITECT/ENGINEER'S APPROVAL.</p> | <p>14. IN CASE OF DIFFERENCE BETWEEN BUILDING CODES, SPECIFICATIONS, INDUSTRY STANDARDS, UTILITY COMPANY REGULATIONS, FIRE INSURANCE CARRIER REQUIREMENTS AND CONTRACT DOCUMENTS, THE MOST STRINGENT SHALL GOVERN. PROMPTLY NOTIFY THE CITY REPRESENTATIVE IN WRITING OF ANY SUCH DIFFERENCE.</p> <p>15. CONFORM TO THE LATEST NFPA 90 "STANDARD FOR THE INSTALLATION OF VENTILATION SYSTEMS."</p> <p>16. DUCTWORK ON DRAWINGS ARE SCHEMATIC AND SHALL BE FABRICATED AND INSTALLED ON ACTUAL FIELD MEASUREMENT. COORDINATE WITH OTHER TRADES AS REQUIRED.</p> <p>17. SUPPORTS FOR ALL DUCTWORK AND PIPING SHALL BE IN ACCORDANCE WITH SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS."</p> | <p>18. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MISCELLANEOUS METAL AND SUPPORTS FOR THE PROPER INSTALLATION OF THE PIPE AND DUCT SUPPORTS TO THE BUILDING STRUCTURE.</p> |
|--|---|---|---|--|



**BUILDING DESIGN &  
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Project \_\_\_\_\_

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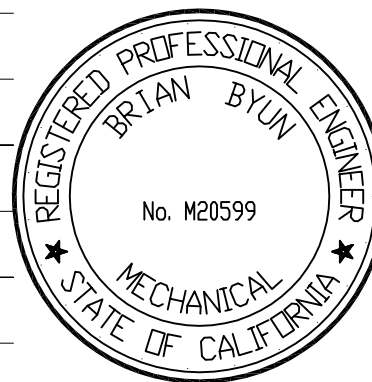
Consultant \_\_\_\_\_

<b>INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY &amp; COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028</b>	
DESIGNED BY: PL/AC	DATE: 03/2012
DRAWN BY: PL/AC	DATE: 03/2012
CHECKED BY: BB/KL/MC	DATE: 03/2012
APPROVED	
MAURICE CHEE SECTION MANAGER:	DATE:
NORMAN CHAN DEPUTY DIVISION MANAGER:	DATE:
PATRICK RIVERIA DIVISION MANAGER:	DATE:

**50% PROGRESS SET**

No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET MECHANICAL ENGINEER



Drawing Title \_\_\_\_\_

**PLUMBING ABBREVIATIONS,  
SYMBOLS AND LEGEND,  
GENERAL NOTES AND  
DRAWING LIST**

Sheet No. \_\_\_\_\_

**P-1**

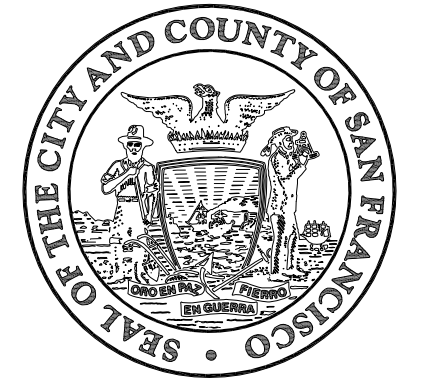
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ABBREVIATIONS				LEGEND AND SYMBOLS				GENERAL NOTES				
ABBREV	DESCRIPTION	ABBREV	DESCRIPTION	SYMBOL	ABBREV	DESCRIPTION	SYMBOL	ABBREV	DESCRIPTION			
@	AT	ID	INSIDE DIAMETER or INSIDE DIMENSION			DETAIL NUMBER		CR	CONCENTRIC REDUCER	1. LEGENDS ARE GENERIC STANDARDS, AND MAY DEPICT ITEMS NOT APPLICABLE TO THIS JOB. 2. BACKGROUNDS ARE FOR CONCEPTUAL REFERENCE AND MAY NOT BE CURRENT. SEE APPROPRIATE ARCHITECTURAL DRAWINGS FOR BUILDING DETAILS. PIPE ROUTING IS SHOWN AS A GUIDE AND SHOULD BE FOLLOWED AS CLOSELY AS POSSIBLE BUT MAY BE MODIFIED AS NECESSARY TO MEET ACTUAL FIELD CONDITIONS AND INTERFERENCES. VERIFY WITH PROJECT ARCHITECT/ENGINEER. 3. VERIFY AT PROJECT SITE, EXACT SIZE, LOCATION, AND CLEARANCE OF EXISTING SERVICES. 4. VERIFY EXACT INVERT ELEVATION OF POINTS OF CONNECTION TO EXISTING SERVICES PRIOR TO INSTALLATION OF NEW BRANCH, MAINS, OR SERVICE RELOCATION. 5. EXISTING EQUIPMENT PIPING ARE SHOWN ONLY WHERE NECESSARY TO ESTABLISH RELATIONSHIP OR CONNECTION POINTS WITH NEW WORK. NOT ALL EXISTING PIPING AND EQUIPMENT ARE SHOWN. 6. UPON REMOVAL OF EXISTING FIXTURES, REMOVE CONNECTED BRANCH PIPING AND CAP AT MAIN. 7. INSTALL PIPING TO BEST SUIT FIELD CONDITIONS AND COORDINATE WITH THE WORK OF OTHER TRADES. THE DRAWING ARE DIAGRAMMATIC AND SHALL NOT BE SCALED FOR EXACT LOCATIONS. 8. THE GENERAL LAYOUT OF PIPING ON THE DRAWINGS INDICATES BRANCH RUN OUTS TERMINATED AT INDIVIDUAL GROUPS OF EQUIPMENT. THE PIPING SHALL BE CONSIDERED CONTINUOUS AND FINALLY CONNECTED TO ALL EQUIPMENT. 9. ALL REFERENCES TO BRAND NAMES OR TRADE NAMES ON THIS SHEET INCLUDES THE PHRASE "OR APPROVED EQUAL." 10. ALL ITEMS NOT LABELED AS EXISTING SHALL BE BID AND INSTALLED AS NEW. 11. ALL DEMOLISHED ITEMS SHALL BE REMOVED AND DISPOSED OF AS THE CONTRACTOR'S PROPERTY UNLESS OTHERWISE NOTED. 12. RESTORATION OF AREAS DISTURBED BY PLUMBING AND ROOF DRAINAGE WORK - UNLESS OTHERWISE NOTED IN THE LANDSCAPE PLANS AND/OR SPECIFICATIONS, ALL LAWNS, PLANTING AREAS, ROADWAYS, CURBS, PATHWAYS OR OTHER AREAS DISTURBED BY THE ABANDONMENT AND/OR REMOVAL OF EXISTING PLUMBING AND ROOF DRAINAGE FACILITIES AND INSTALLATION OF NEW PLUMBING AND ROOF DRAINAGE FACILITIES WILL BE RESTORED BY THE CONTRACTOR TO MATCH THE EXISTING CONDITIONS IMMEDIATELY ADJACENT TO THE CONSTRUCTION AREA AT NO ADDITIONAL COST TO THE CITY.		
⊕	CENTERLINE	IE	INVERT ELEVATION			DRAWING NUMBER		ER	ECCENTRIC REDUCER			
∅	DIAMETER, ROUND or PHASE	IFC	IN FURRED CEILING				UN	UNION				
ABV	ABOVE	IFS	IN FURRED SPACE				FC	FLEXIBLE PIPE CONNECTOR				
AD	ACCESS DOOR or AREA DRAIN	IFW	IN FURRED WALL				PG	PIPE GUIDE				
AFF	ABOVE FINISHED FLOOR	IN	INCH				PA	PIPE ANCHOR				
AG	ABOVE GRADE	INV	INVERT				DCVA	DOUBLE CHECK VALVE ASSEMBLY				
AUTO	AUTOMATIC	IPC	IN PLUMBING CHASE				RPBP	REDUCED PRESSURE BACKFLOW PREVENTER				
AVG	AVERAGE	KW	KILOWATTS				RV	RELIEF VALVE				
BEL	BELOW	LAV	LAVATORY				PTRV	PRESSURE AND TEMPERATURE RELIEF VALVE				
BF	BELOW FLOOR	LBS	POUNDS				NO	NORMALLY OPEN TYPE OF VALVE INDICATED				
BFF	BELOW FINISHED FLOOR	LF	LINEAR FEET				NC	NORMALLY CLOSED VALVE OF TYPE INDICATED				
BFP	BACKFLOW PREVENTER	LG	LENGTH				SOV	SHUT-OFF VALVE				
BG	BELOW GRADE	LVL	LEVEL					SHUT-OFF VALVE RISER				
BOF	BOTTOM OF FOOTING	MAX	MAXIMUM				AV	ANGLE VALVE				
BHP	BRAKE HORSEPOWER	MBH	THOUSAND BTU PER HOUR				GV	GATE VALVE				
BLDG	BUILDING	MECH	MECHANICAL				GC	GAS COCK				
BS	BELOW SLAB	MFR	MANUFACTURER				PV	PLUGGED VALVE				
BSMT	BASEMENT	MH	MANHOLE				CV	CHECK VALVE				
BTU	BRITISH THERMAL UNIT	MIN	MINIMUM		POC	POINT OF CONNECTION	SCV	SILENT CHECK VALVE				
BTUH	BRITISH THERMAL UNIT PER HOUR	MISC	MISCELLANEOUS		(E)	EXISTING LINE	PRV	PRESSURE REDUCING VALVE				
		(N)	NOT APPLICABLE				SV	SOLENOID VALVE				
		NA	NOT IN CONTRACT				SGV	SEISMIC GAS SHUT-OFF VALVE				
		NIC	NORMALLY OPEN				BLV	BALANCING VALVE				
		NO	NOT TO SCALE				MV	MIXING VALVE				
		NTS	NOT TO SCALE				FS	FLOW SWITCH				
		OPEN	OPEN				PS	PRESSURE SWITCH				
		OC	ON CENTER				AST	AQUASTAT				
		OPER	OPERATING				WHA	WATER HAMMER ARRESTER				
		OPP	OPPOSITE				HB	HOSE BIBB				
		ORD	OVERFLOW ROOF DRAIN					PUMP				
		P	PUMP					BLIND FLANGE				
		PDI	PLUMBING AND DRAINAGE INSTITUTE					BV	BALANCING VALVE - DHW			
		PH	PHASE					LPS	LOW PRESSURE STEAM			
		PLBG	PLUMBING					HPS	HIGH PRESSURE STEAM			
		PRV	PRESSURE REDUCING VALVE					CHS	CHILLED WATER SUPPLY			
		PSI	POUNDS PER SQUARE INCH					CHR	CHILLED WATER RETURN			
		PSIG	POUNDS PER SQUARE INCH GAUGE					CR	CONDENSATE RETURN			
		QTY	QUANTITY					D	DRAIN			
		RD	ROOF DRAIN					TF	TEST FITTING			
		RE	RIM ELEVATION					TH	THERMOMETER			
		REF	REFERENCE					GLV	GLOBE VALVE			
		REQD	REQUIRED					FCV	FLOW CONTROL VALVE			
		RM	ROOM					MGV	GATE VALVE W/ MOTORIZED ACTUATOR			
		RPM	REVOLUTIONS PER MINUTE					MW	MAKE-UP WATER			
		RS	RELIEF SWITCH									
		RW	(HARVESTED) RAINWATER									
		RWL	RAINWATER LEADER		SS	SANITARY SEWER OR WASTE PIPING						
		S	SEWER									
		SAD	SEE ARCHITECTURAL DRAWINGS		V	SANITARY VENT						
		SCHED	SCHEDULE									
		SD	STORM DRAIN		SD	STORM DRAIN PIPING						
		SF	SQUARE FEET									
		SFD	SEE FIRE PROTECTION DRAWINGS									
		SHT	SHEET		OFD	OVERFLOW STORM DRAIN PIPING						
		SJ	SEISMIC JOINT									
		SK	SINK		CD	CONDENSATE DRAIN PIPING						
		SL	SLOPE									
		SLAD	SEE LANDSCAPE ARCHITECT DRAWINGS									
		SMD	SEE MECHANICAL DRAWINGS		DCW	DOMESTIC COLD WATER PIPING						
		SP	SWIMMING POOL									
		SPECS	SPECIFICATIONS		DHW	DOMESTIC HOT WATER PIPING						
		SQ	SQUARE									
		SS	SANITARY SEWER									
		SSK	SERVICE SINK		DHWR	DOMESTIC HOT WATER RETURN PIPING						
		SST	STAINLESS STEEL									
		STRUCT	STRUCTURAL		RW	(HARVESTED) RAINWATER						
		SYST	SYSTEM									
		TD	TRENCH DRAIN		TW	DOMESTIC TEMPERED WATER PIPING						
		TDH	TOTAL DYNAMIC HEAD									
		TEMP	TEMPERATURE		G	GAS PIPING - LOW PRESSURE						
		TP	TRAP PRIMER or TOTAL PRESSURE									
		TYP	TYPICAL		TP	TRAP PRIMER PIPING						
		UG	UNDERGROUND									
		UON	UNLESS OTHERWISE NOTED		AD/FD	AREA DRAIN/FLOOR DRAIN						
		V	SANITARY VENT or VOLTS									
		VIF	VERIFY IN FIELD									
		W	WASTE or WATTS		FCO/GCO	FLOOR CLEANOUT/GRADE CLEANOUT						
		WBF	WATER BOTTLE FILLER									
		WC	WATER CLOSET									
		WCO	WALL CLEANOUT		CO/WCO	CLEANOUT/WALL CLEANOUT						
		WH	WATER HEATER or WALL HYDRANT									
		WHA	WATER HAMMER ARRESTER									
		WM	WATER METER									

DRAWING LIST	
DWG. NO.	DESCRIPTION
P-1	PLUMBING ABBREVIATIONS, SYMBOLS AND LEGEND, GENERAL NOTES AND DRAWING LIST
P-2	PLUMBING SCHEDULES
P-3	PLUMBING FLOOR AND ROOF PLANS
P-4	PLUMBING SITE PLAN
P-5	PLUMBING DETAILS



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Project \_\_\_\_\_

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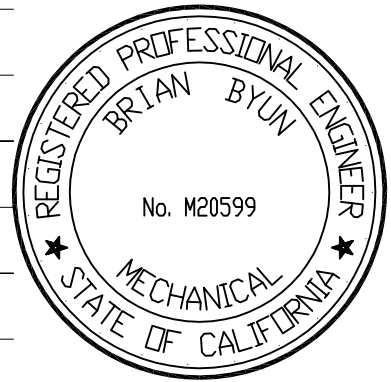
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<b>INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY &amp; COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028</b>	
DESIGNED BY: PL/AC	DATE 03/2012
DRAWN BY: PL/AC	DATE 03/2012
CHECKED BY: BB/KL/MC	DATE 03/2012
APPROVED	
MAURICE CHEE SECTION MANAGER:	DATE:
NORMAN CHAN DEPUTY DIVISION MANAGER:	DATE:
PATRICK RIVERIA DIVISION MANAGER:	DATE:

**50% PROGRESS SET**

No.	Date	Revisions

Section Head	T. LEUNG
Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET MECHANICAL ENGINEER



Drawing Title \_\_\_\_\_

**PLUMBING  
SCHEDULES**

Sheet No. \_\_\_\_\_

**P-2**

Scale NO SCALE

Job No. \_\_\_\_\_

**3092V**

		MINIMUM CONNECTION SIZE					PLUMBING FIXTURE SCHEDULE
SYMBOL	FIXTURE	TRAP	WASTE	VENT	CW	HW	DESCRIPTION
WC-1	WATER CLOSET	INTEGRAL	4"	2"	1"	-	ADA COMPLIANT, WALL-MOUNTED, EXPOSED TOP SPUD, TYPE 304 STAINLESS STEEL ELONGATED BOWL, 1.28 GPF, BLOWOUT JET FLUSH, 18-INCH INTEGRAL SEAT HEIGHT, CAP NUTS. ACORN ENGINEERING CO. MODEL NO. DURA-WARE 2100-T-FVBO-ADA-CN-PFS OR APPROVED EQUAL. WALL MOUNTED CARRIER (JR SMITH FIGURE 375Y OR APPROVED EQUAL). HINGED SEAT, OPEN FRONT LESS COVER. (OLSONITE MODEL NO.95SSCT, BENEKE 523 OR APPROVE EQUAL.) TOP SPUD, MANUAL FLUSH VALVE (SLOAN MODEL NO. ROYAL 111-1.28-SG OR APPROVED EQUAL.)
LAV-1	LAVATORY	INTEGRAL	2"	1-1/2"	1/2"	-	ADA COMPLIANT, FRONT ACCESS, TYPE 304 STAINLESS STEEL RECTANGULAR BOWL, OFF-FLOOR, WALL OUTLET, GRID STRAINER W/ CLOSED ELBOW, LAVATORY OVERFLOW. (ACORN ENGINEERING COMPANY MODEL NO. DURA-WARE 1951-1-DMS-9-H1-GE-OF OR APPROVED EQUAL.) ADA COMPLIANT, DECK-MOUNTED, SINGLE SUPPLY METERING SINK FAUCET, 0.35 GPM (CHICAGO FAUCETS MODEL NO. 420-E39VPABCP OR APPROVED EQUAL). COVER PLATE WITH LOCATING PIN AND MOUNTING HARDWARE. (CHICAGO FAUCETS MODEL NO. 240.627.21.1 OR APPROVED EQUAL.) ADA COMPLIANT LAVATORY PIPE INSULATION KIT. (HANDI LAV-GUARD OR APPROVED EQUAL.) INSULATE ALL EXPOSED PIPE, TYP.
MS-1	MOP SINK	INTEGRAL	3"	2"	1/2"	1/2"	ACORN ENGINEERING CO. MODEL NO. PENAL-WARE 1630-TF1-KDG3-KH36-KMH-KWG36-TA OR APPROVED EQUAL. CHICAGO FAUCETS MODEL NO. 835-369CP OR APPROVED EQUAL.
HB-1	HOSE BIBB	INTEGRAL	-	-	1/2"	-	VACUUM BREAKER, JOSAM HYDROSPAN I 71070-90 OR APPROVED EQUAL.
HB-2	HOSE BIBB	INTEGRAL	-	-	1/2"	-	VACUUM BREAKER, MEULLER/B&K MODELS 103-024 AND 108-904RP OR APPROVED EQUAL.

**NOTES:**

- ALL FIXTURES SHALL BE STAINLESS STEEL. CARRIER SUPPORTS SHALL BE JAY R. SMITH, JOSAM OR APPROVED EQUAL. REFER TO SPECIFICATION 22 00 00 - PLUMBING.
- FLUSH VALVES AND FAUCETS SHALL BE LISTED WITH THE CALIFORNIA ENERGY COMMISSION.
- ADA COMPLIANT FIXTURES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST CALIFORNIA PLUMBING CODE.
- INSTALL PLUMBING FIXTURES AND TRIMS FROM ONE MANUFACTURER FOR UNIFORMITY OF INSTALLATION.

ELECTRIC WATER HEATER SCHEDULE	
SYMBOL	EWH-1
LOCATION	PLUMBING CHASE
MANUFACTURER	BOSCH
MODEL	ARISTON GL4
INPUT-WATTS	1500
RECOVERY AT 90°F RISE	7.0 GPH
STORAGE(GAL.)	3.85
ELECTRIAL DATA	120V/1ø/60 Hz/12.5 AMPS
WEIGHT (LBS)	17.3
EQUIPMENT SHALL BE FURNISHED WITH THE FOLLOWING MINIMUM FEATURES: UL LISTED ADJUSTABLE THERMOSTATIC CONTROL ASME RATED TEMPERATURE AND PRESSURE RELIEF VALVE FURNISH ALL WALL MOUNTING ANCHORS FOR PROPER INSTALLATION INSULATE DHW PIPE	

PLUMBING SPECIALTIES SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL NO.	TOP CONFIGURATION	REMARKS
FCO	FLOOR CLEANOUT	JAY R. SMITH	Z1400-K-NH-VP	ROUND	ANCHOR FLANGE, NO-HUB OUTLET, VANDAL-PROOF SCREWS.
FD	FLOOR DRAIN	JAY R. SMITH	Z415-B-VP-NH-P-U	6" ROUND	TYPE "B" STRAINER, VANDAL-PROOF SCREWS, NO-HUB OUTLET, 1/2" TRAP PRIMER CONNECTION, HIGH EXTENSION ADAPTER
RD/OD	ROOF DRAIN/OVERFLOW DRAIN	JAY R. SMITH	1310/1080	3" ROUND	-
WCO	WALL CLEANOUT	JAY R. SMITH	ZS1468-VP	ROUND	BRONZE TAPER PLUG, ROUND STAINLESS STEEL COVER, AND VANDAL-PROOF SCREW.
TP	TRAP PRIMER	PRECISION PLUMBING PRODUCTS, INC.	PR-500 SERIES	-	COMPLIES WITH STATES' LEAD PLUMBING LAW 0.25% MAXIMUM WEIGHTED AVERAGE LEAD CONTENT REQUIREMENT.
WHA	WATER HAMMER ARRESTER	JAY R. SMITH	HYDROTROL 5000 SERIES	-	COMPLIES WITH STATES' LEAD PLUMBING LAW 0.25% MAXIMUM WEIGHTED AVERAGE LEAD CONTENT REQUIREMENT.
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER	ZURN	WILKINS 375XL-SAG	-	-

**BUILDING DESIGN &  
CONSTRUCTION**



Architecture • Construction  
Tara D. Lamont - Acting Deputy Division Manager  
30 Van Ness Avenue Suite 4100  
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94102-6028 Fax (415) 5574701

Project  
**2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN**  
STATES STREET PARK RESTROOM  
122 STATES ST, San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

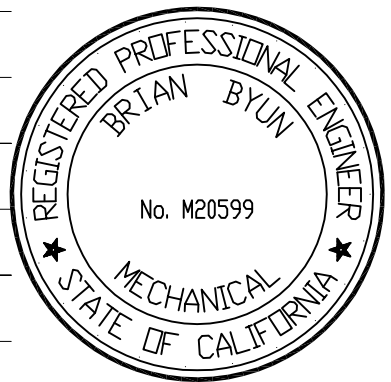
Consultant

INFRASTRUCTURE DIVISION DEPARTMENT OF PUBLIC WORKS/ CITY & COUNTY OF SAN FRANCISCO 30 VAN NESS AVENUE, 5TH FLOOR SAN FRANCISCO, CA 94102-6028	
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Proj. Mgr.	M. YEE
Proj. Arch.	T. LEUNG
Drawn	
Date	MARCH 2012
Phase	PERMIT SET MECHANICAL ENGINEER



Drawing Title

**PLUMBING  
FLOOR AND ROOF  
PLANS**

Sheet No.

**P-3**

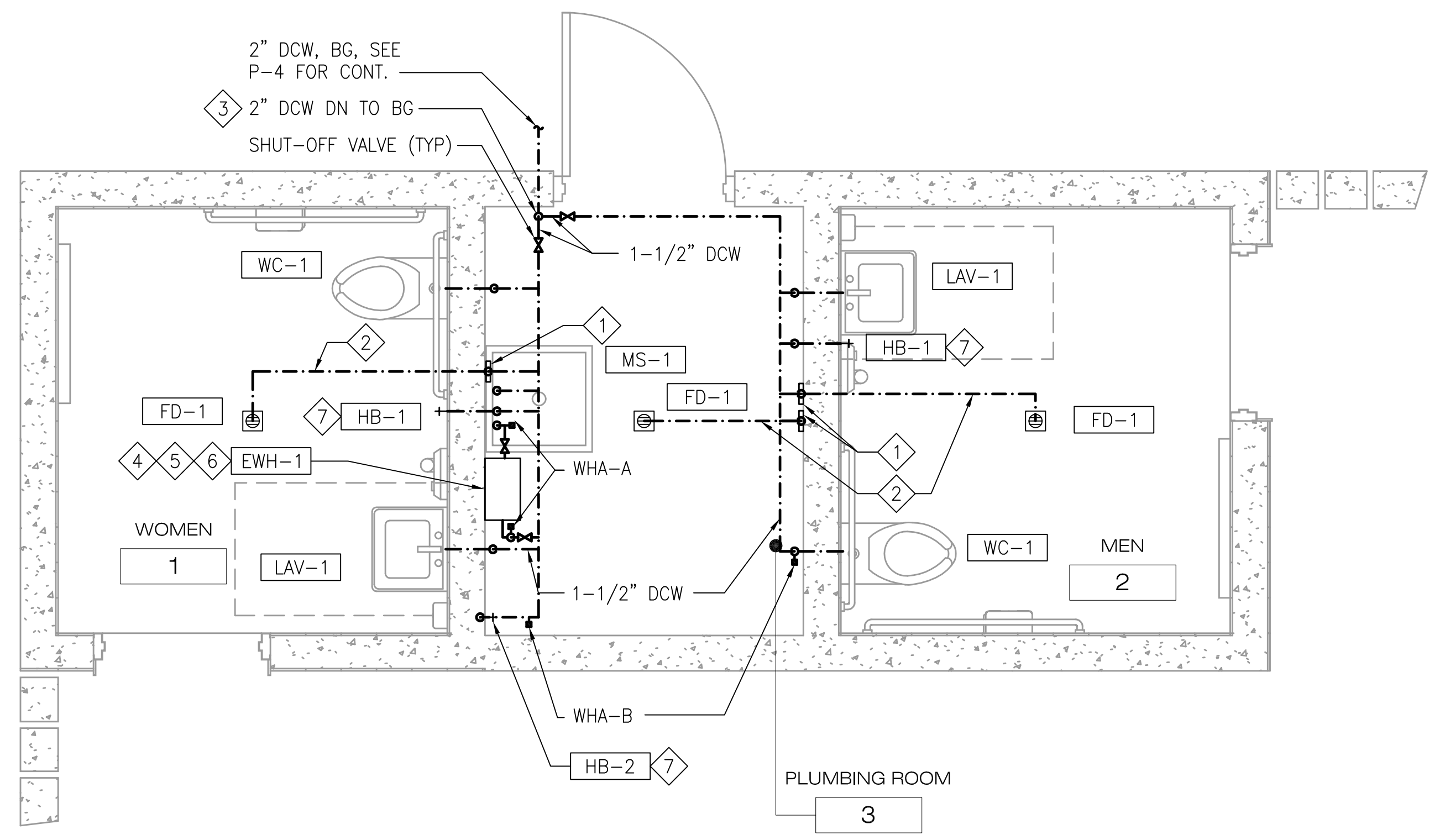
Scale AS SHOWN

Job No. 3092V

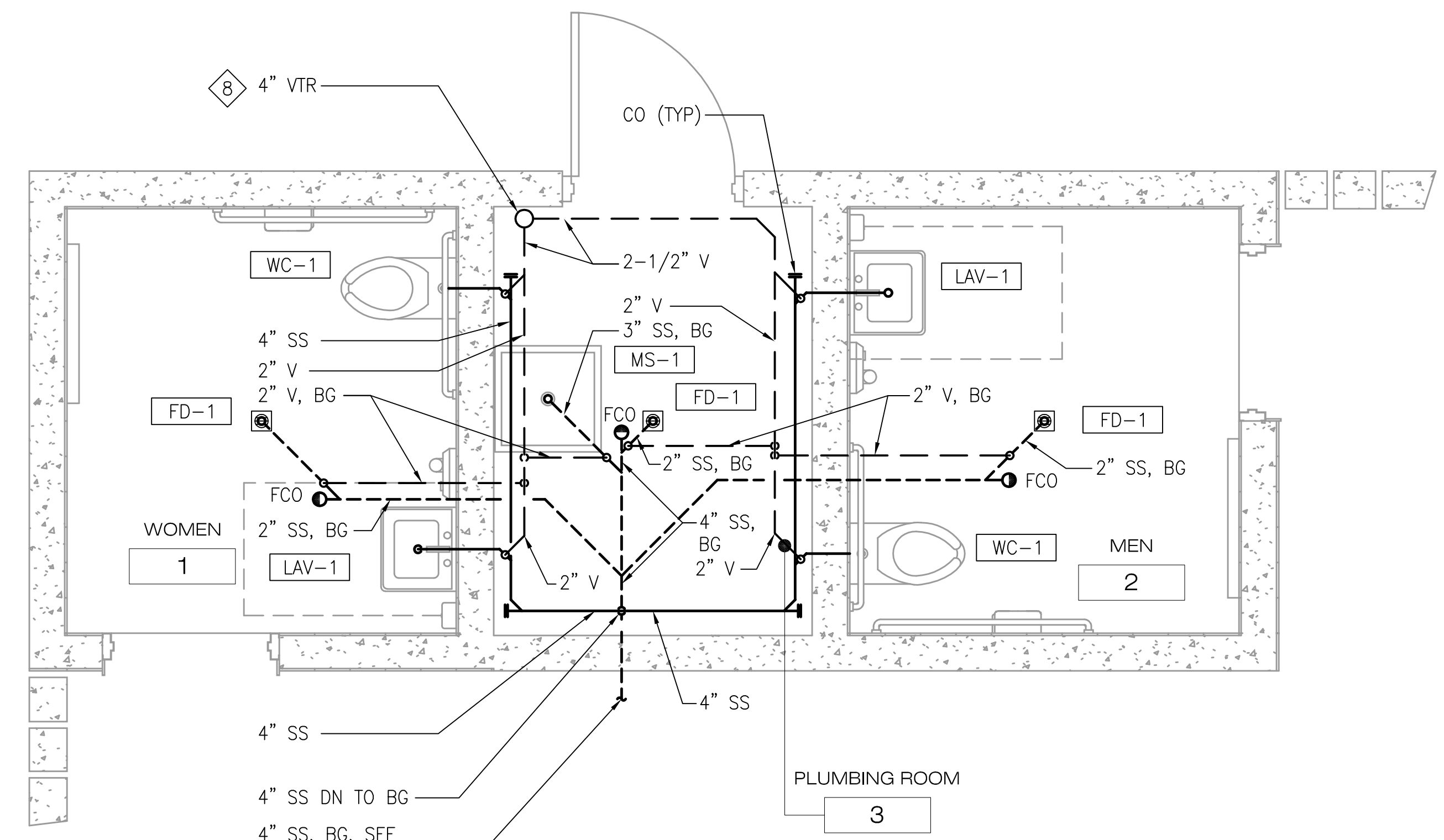
**SHEET NOTES:**

- 1 PROVIDE FLOOR DRAIN TRAP PRIMER WITH BALL VALVE.
- 2 1/2" DCW DOWN TO BELOW SLAB TO FLOOR DRAIN TRAP PRIMER CONNECTION. SEE DETAIL A/P-5. SAD FOR EXACT LOCATION OF FLOOR DRAIN.
- 3 PROVIDE 2" DCW WITH SHUT-OFF VALVE AT RISER.

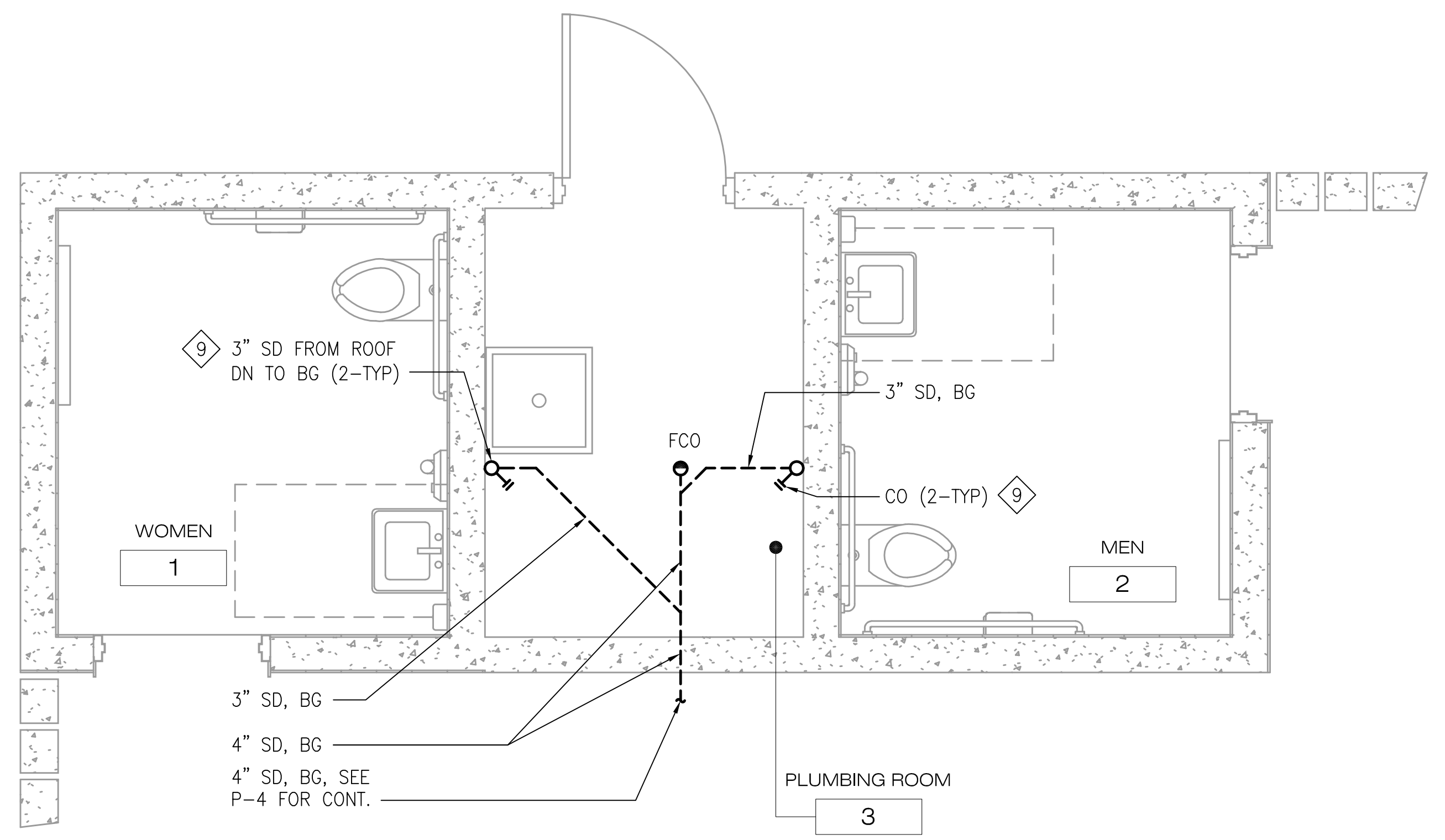
- 4 PROVIDE ELECTRIC WATER HEATER, EWH-1, COORDINATE EXACT LOCATION WITH ARCHITECT. EWH SHALL BE PROVIDED WITH MOUNTING KIT. REFER TO MANUFACTURER'S INSTALLATION MANUAL FOR MOUNTING INSTRUCTIONS.
- 5 PROVIDE 1/2" DCW AND 1/2" DHW CONNECTIONS TO EWH-1. INSULATE ALL DHW PIPING.
- 6 PROVIDE 3/4" TEMPERATURE & PRESSURE RELIEF VALVE WITH AN AIR GAP AND SHALL DISCHARGE TO MOP SINK, MS-1.
- 7 SAD FOR EXACT LOCATION OF HOSE BIBB, HB.
- 8 SEE J/P-6 FOR VTR DETAIL.
- 9 STORM DRAIN DOWNSPOUT, SAD FOR EXACT LOCATION. FOR DETAIL, SEE C/P-5.



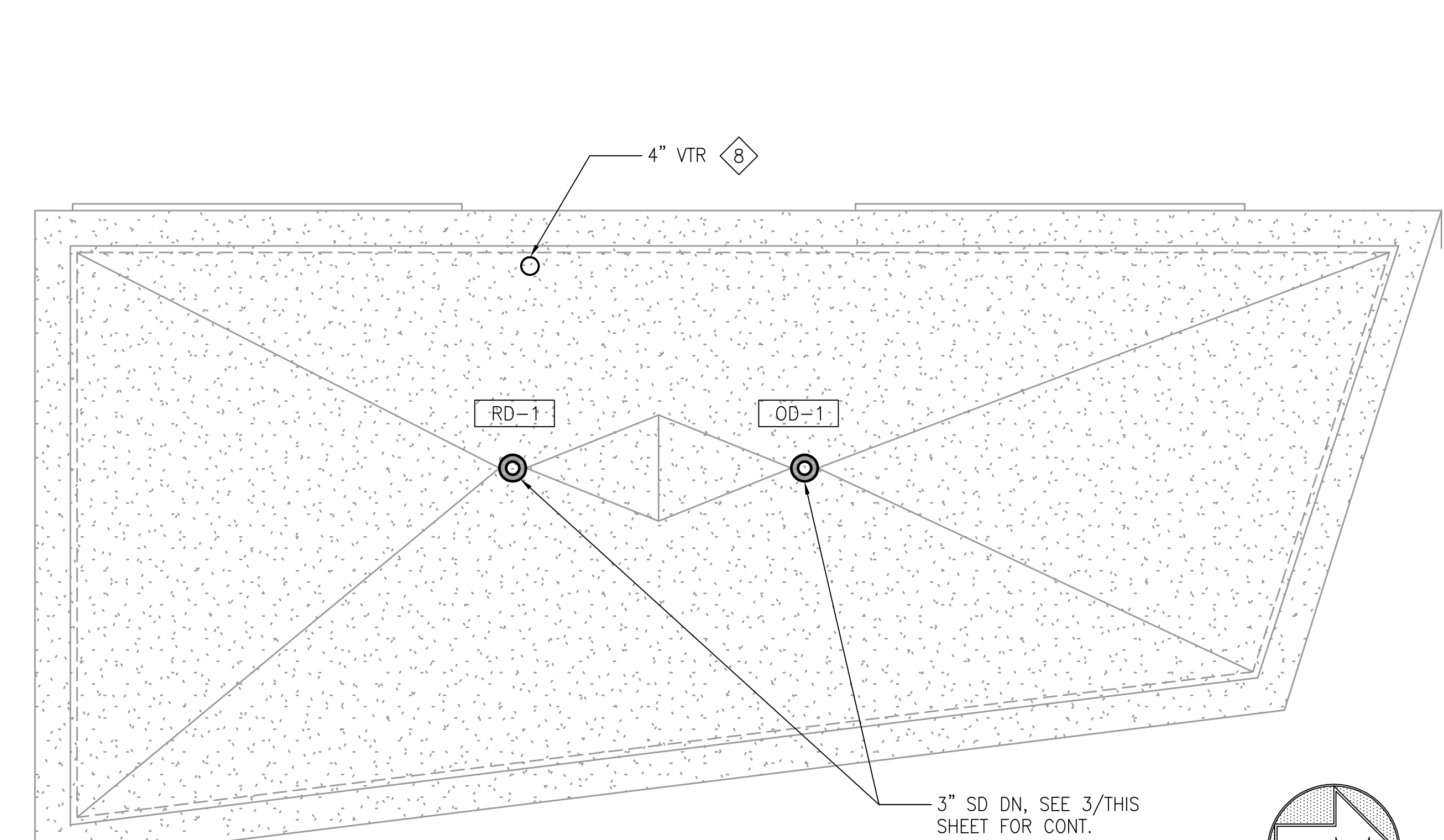
**1 DCW AND DHW PIPING PLAN**  
SCALE: 1/2" = 1'-0"



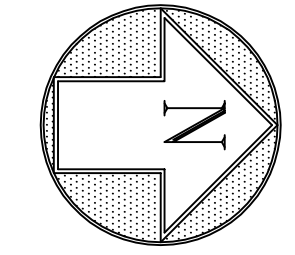
**2 SEWER AND VENT PIPING PLAN**  
SCALE: 1/2" = 1'-0"



**3 STORM DRAIN PLAN**  
SCALE: 1/2" = 1'-0"



**4 ROOF PLAN**  
SCALE: 1/2" = 1'-0"





**BUILDING DESIGN &  
CONSTRUCTION**



Architecture • Construction  
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Project \_\_\_\_\_

**2008 PARK BOND RESTROOM  
REPLACEMENT PROJECT  
CONTEMPORARY DESIGN**

STATES STREET PARK RESTROOM  
122 STATES ST. San Francisco, CA 94114  
Block No. 2615 - Lot No. 002

Consultant \_\_\_\_\_

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Drawn	
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Phase	PERMIT SET MECHANICAL ENGINEER



Drawing Title \_\_\_\_\_

**PLUMBING  
SITE PLAN**

Sheet No. \_\_\_\_\_

**P-4**

Scale AS SHOWN

Job No. \_\_\_\_\_

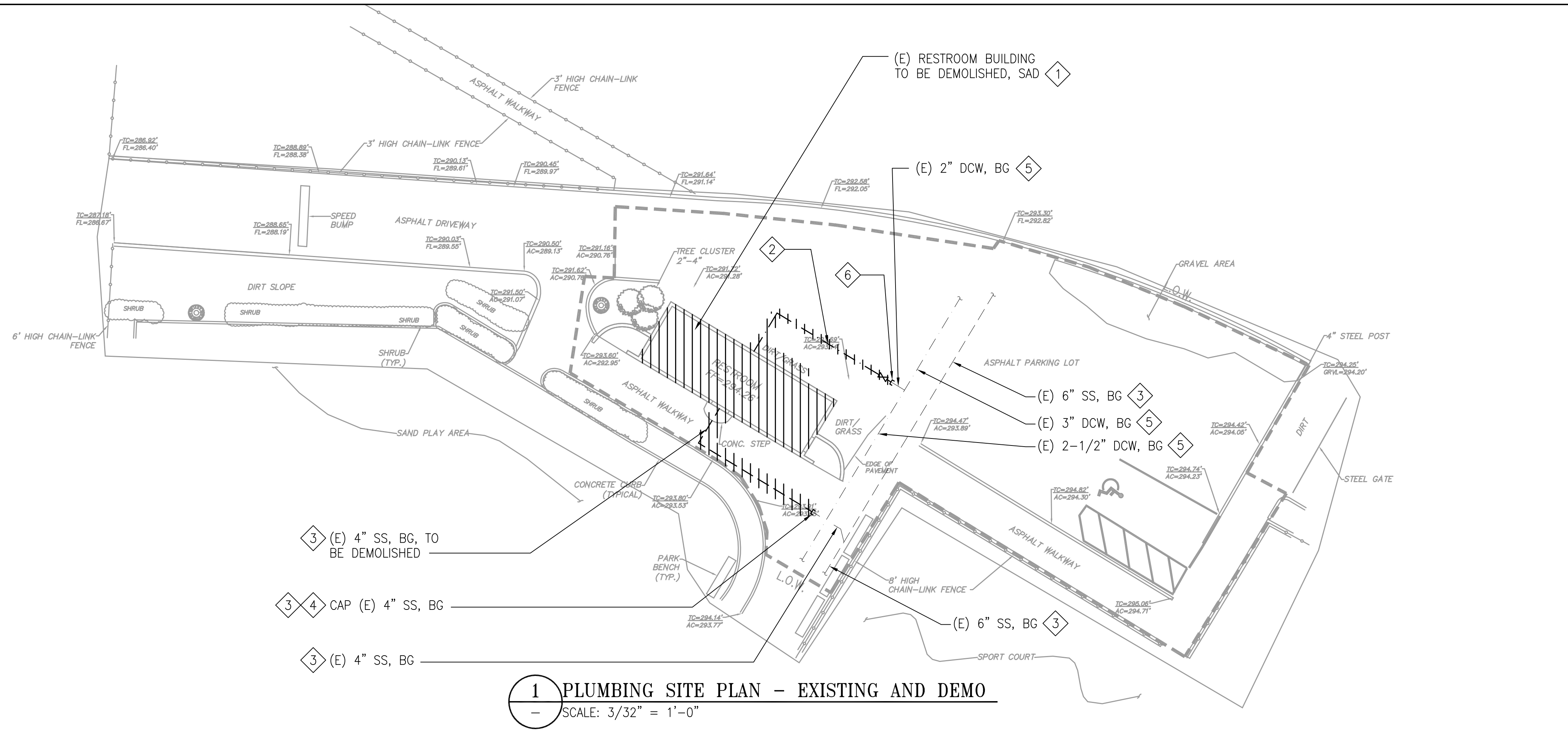
**3092V**

**SHEET NOTES:**

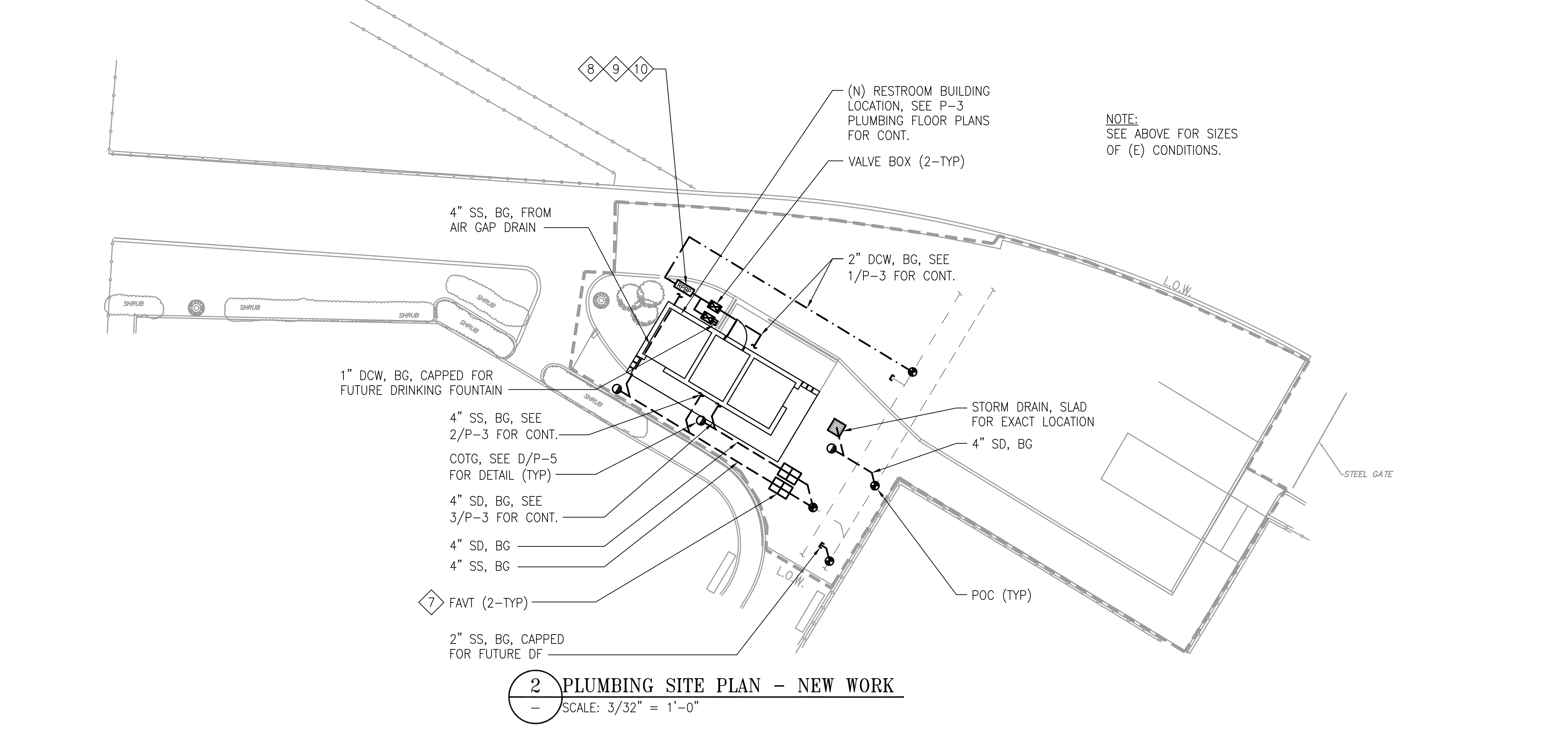
- 1 DEMOLISH ALL (E) PLUMBING FIXTURES AND ASSOCIATED PIPING AND APPURTENANCES.
- 2 DEMOLISH (E) 2" DCW.
- 3 (E) SEWER LINE. VERIFY IN FIELD ACTUAL SEWER LINE LOCATION AND SIZE.
- 4 CAP (E) 4" SEWER TO ACCOMMODATE NEW WORK.
- 5 (E) DCW LINE. VERIFY IN FIELD ACTUAL DCW LINE LOCATION AND SIZE.
- 6 CAP (E) 2" DCW.
- 7 PROVIDE SEWER LINE WITH FRESH AIR VENT TRAP.
- 8 PROVIDE 2" REDUCED PRESSURE BACKFLOW PREVENTER WITH PROTECTIVE ENCLOSURE AND SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.
- 9 RBPB SHALL BE INSTALLED NO FURTHER THAN 25 FEET FROM THE POC. COORDINATE EXACT LOCATION WITH ARCHITECT AND LANDSCAPE ARCHITECT.
- 10 PROVIDE RBPB WITH AN AIR GAP AND SHALL DISCHARGE TO A 4" DRAIN.

**GENERAL NOTES:**

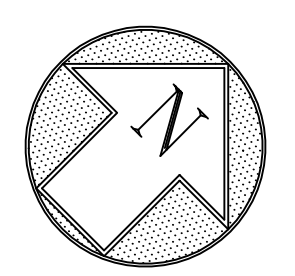
1. ALL DISTANCES ARE BASED UPON THE U.S. SURVEY FOOT AND DECIMALS THEREOF.
2. THE NORTH ORIENTATION AND THE COORDINATES OF THIS DRAWING ARE ASSUMED.
3. SINCE A TITLE INSURANCE POLICY WAS NOT AVAILABLE AT THE TIME OF THIS SURVEY, THE SURVEYOR IS NOT RESPONSIBLE FOR THE OMISSION HEREON OF ANY FACTS SUCH AS, BUT NOT LIMITED TO, THE EXISTENCE OF EASEMENTS, WHICH ARE NORMALLY DISCLOSED BY SUCH A POLICY.



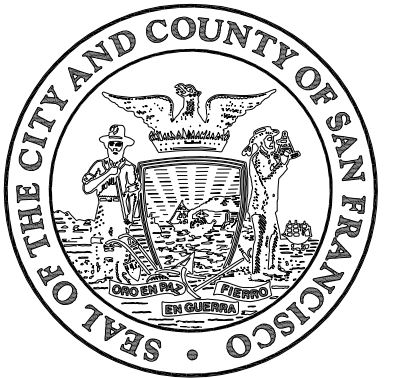
**1 PLUMBING SITE PLAN - EXISTING AND DEMO**  
SCALE: 3/32" = 1'-0"



**2 PLUMBING SITE PLAN - NEW WORK**  
SCALE: 3/32" = 1'-0"





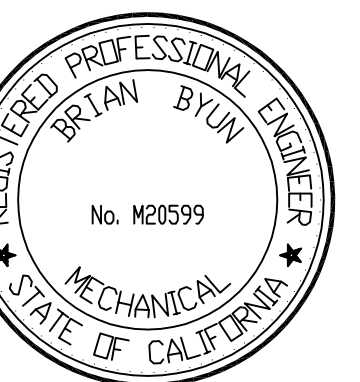


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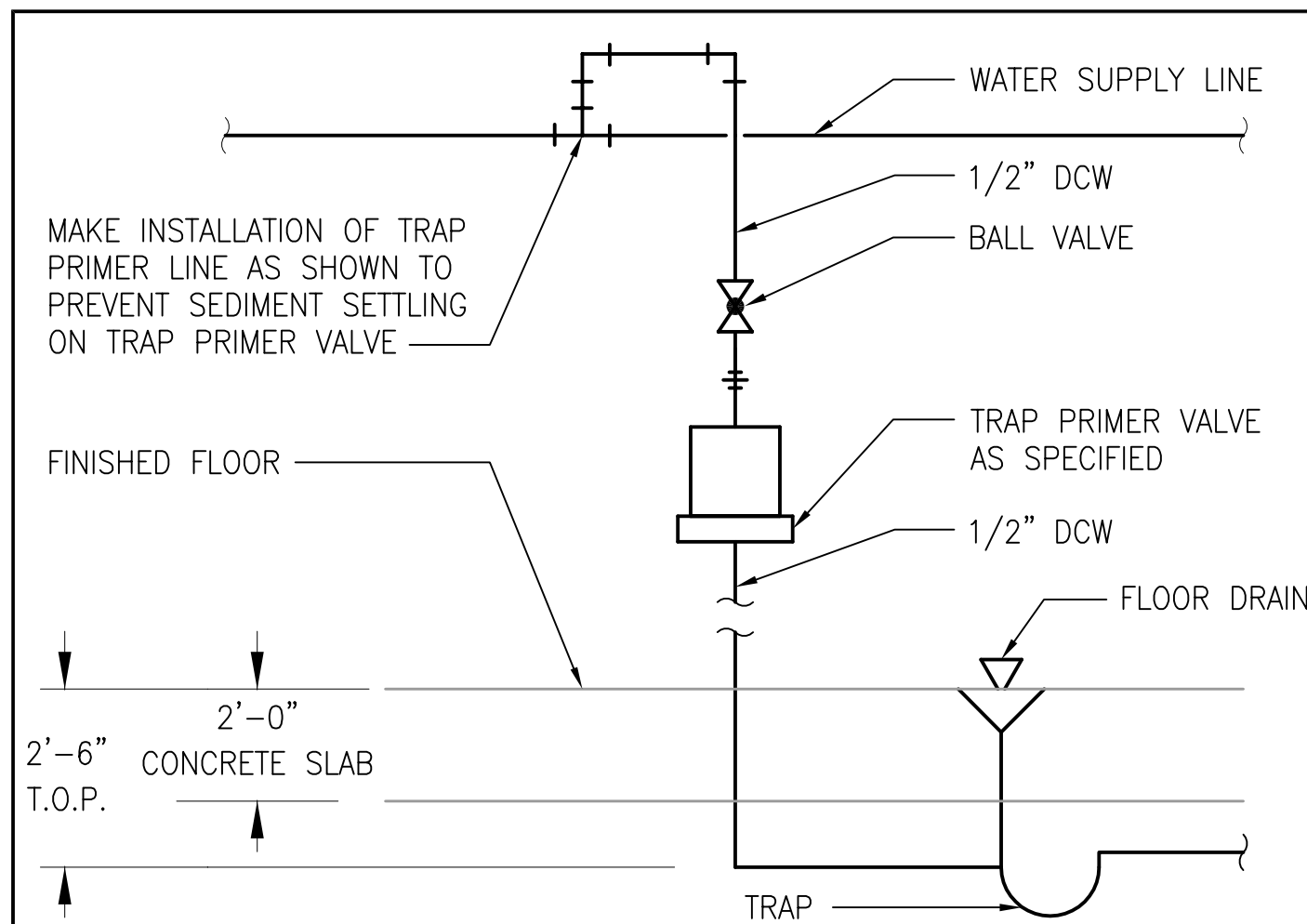
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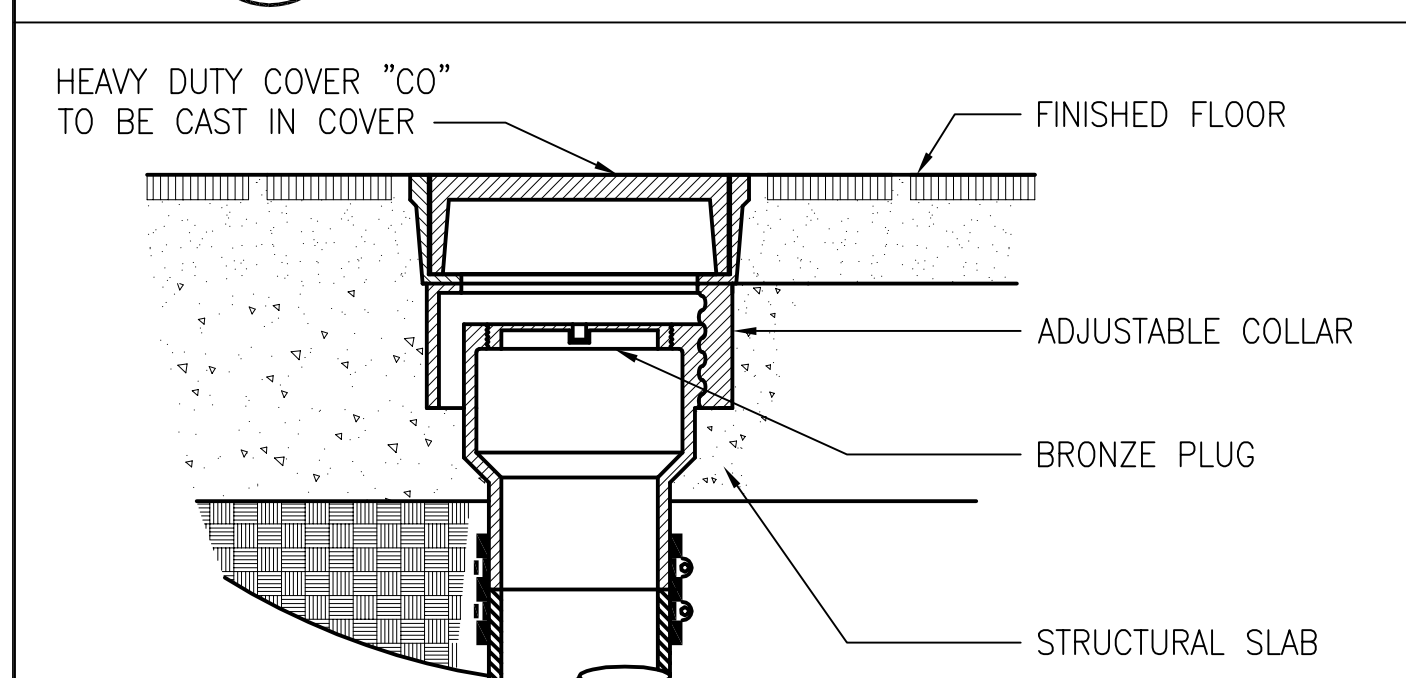


**PLUMBING  
DETAILS**

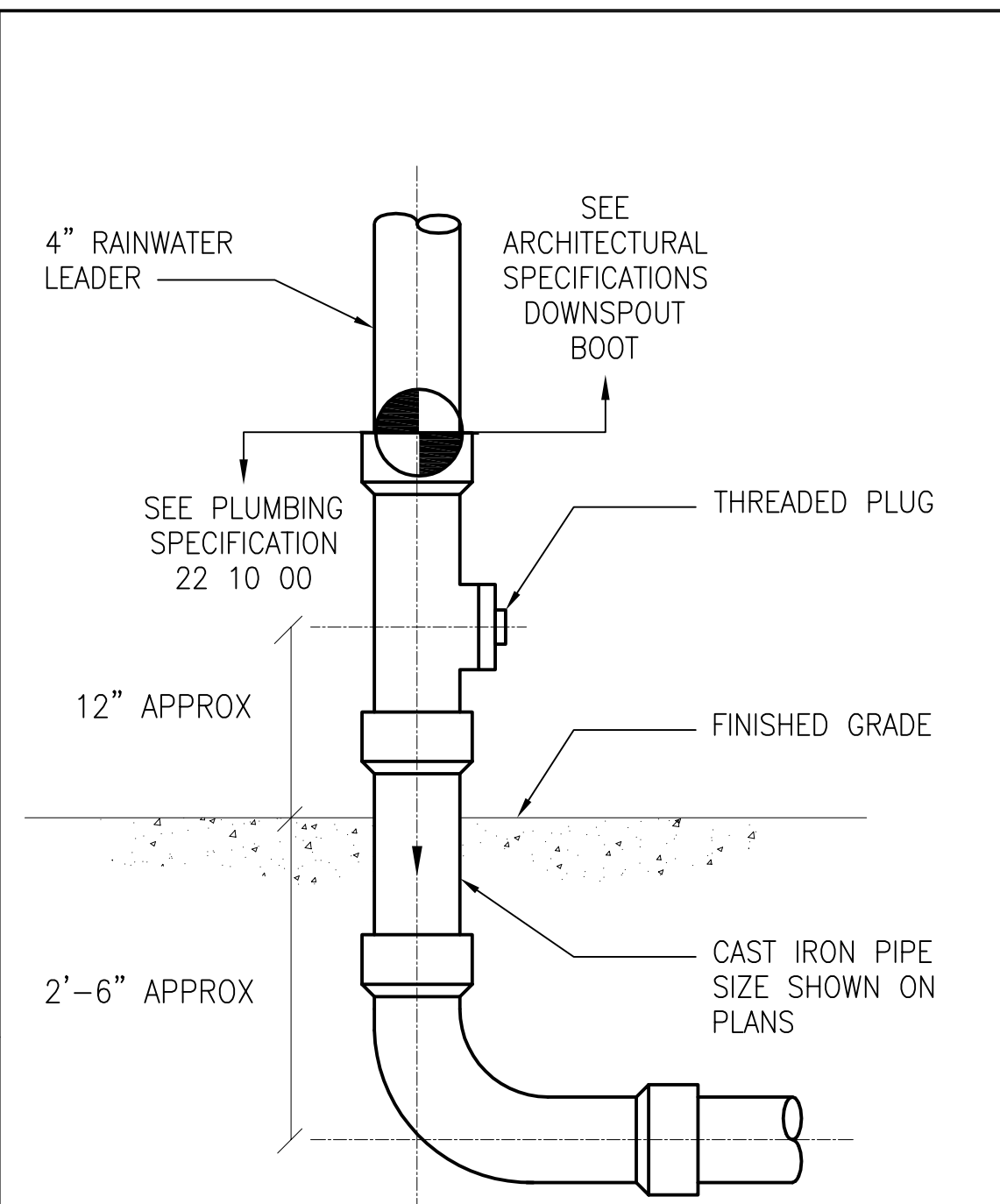
**P-5**



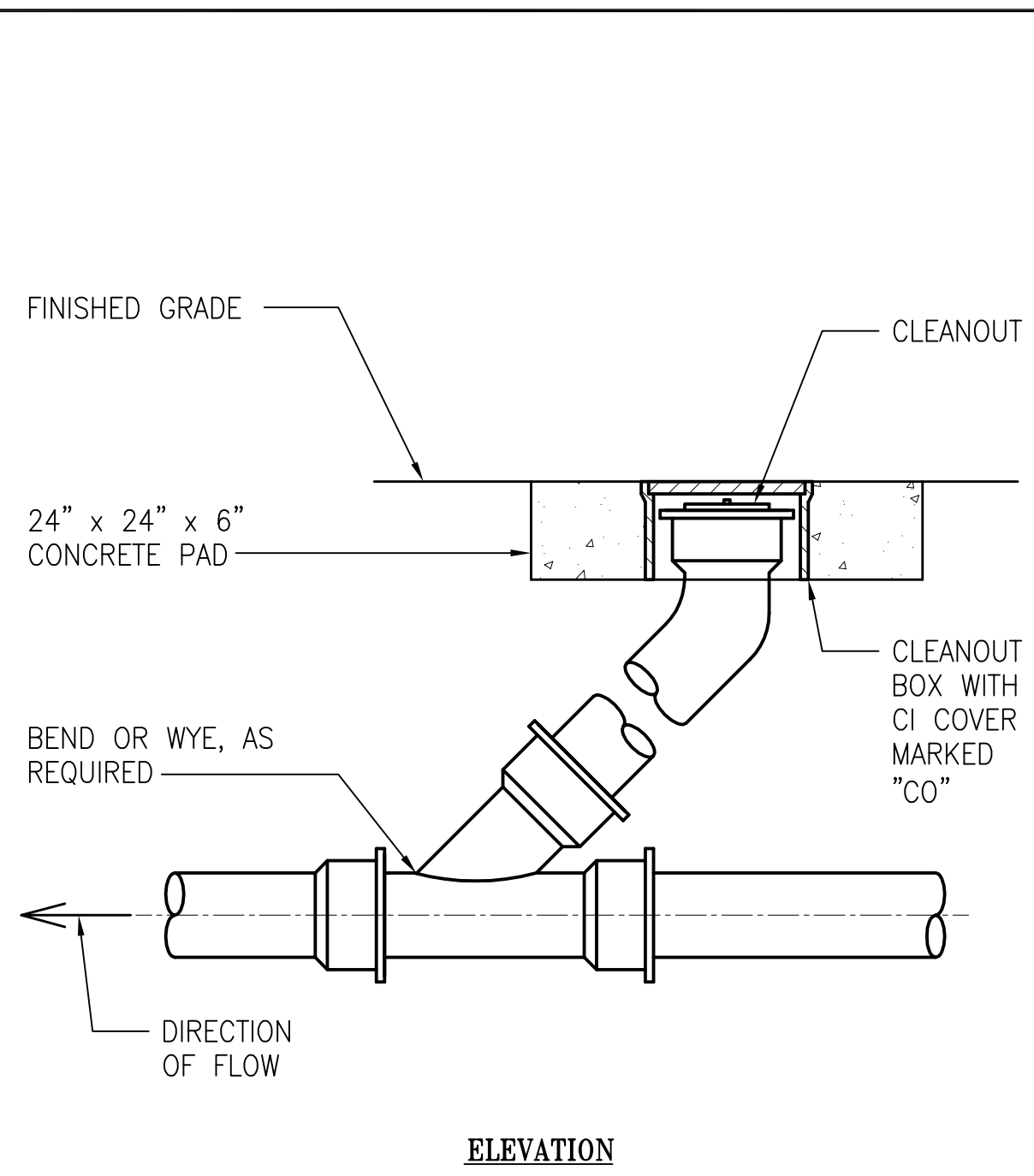
**A FLOOR DRAIN TRAP PRIMER VALVE**  
SCALE: NO SCALE



**B INTERIOR CLEANOUT ASSEMBLY**  
SCALE: NO SCALE

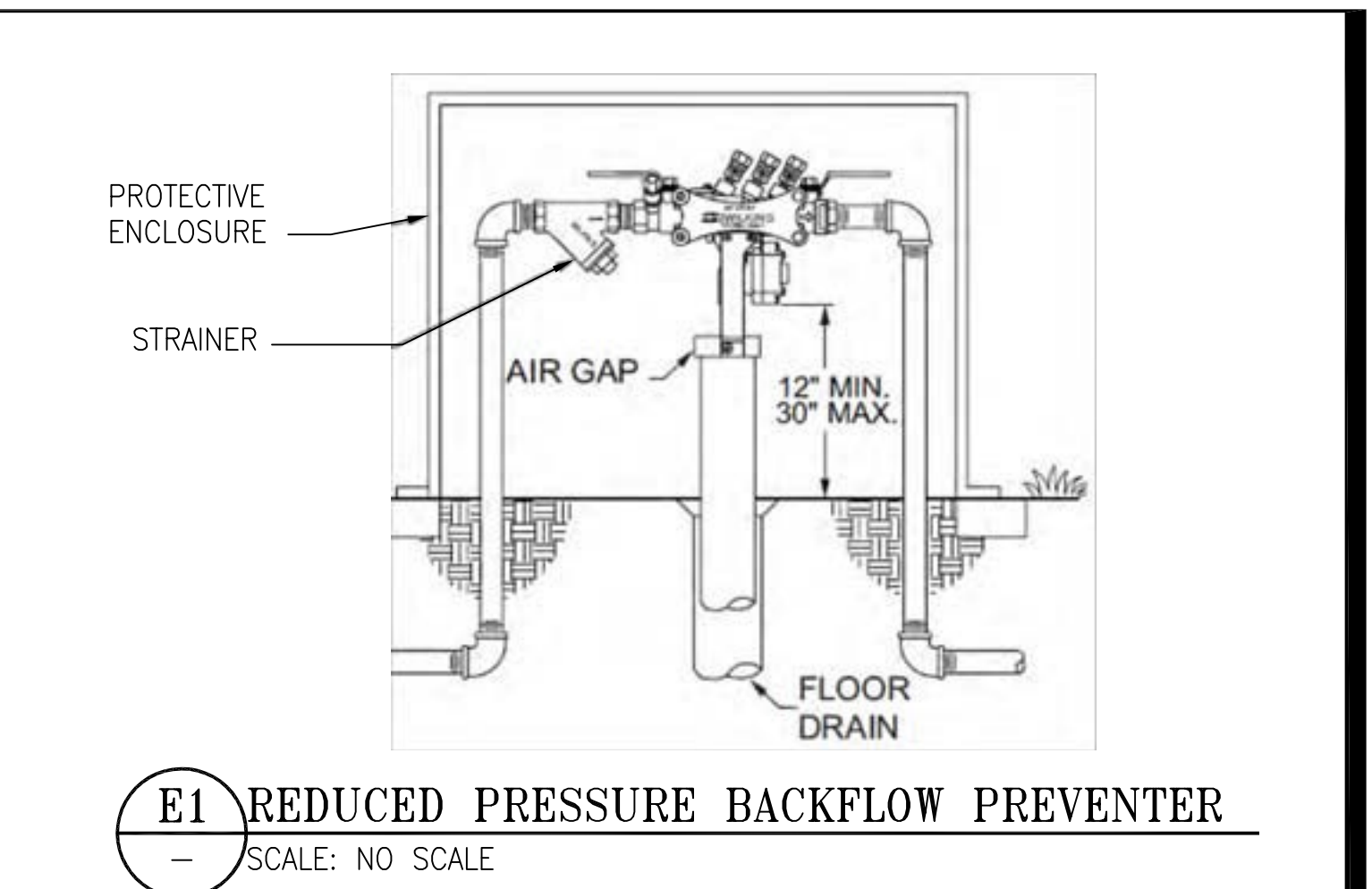


**C ABOVE GRADE EXTERIOR CLEANOUT**  
SCALE: NO SCALE

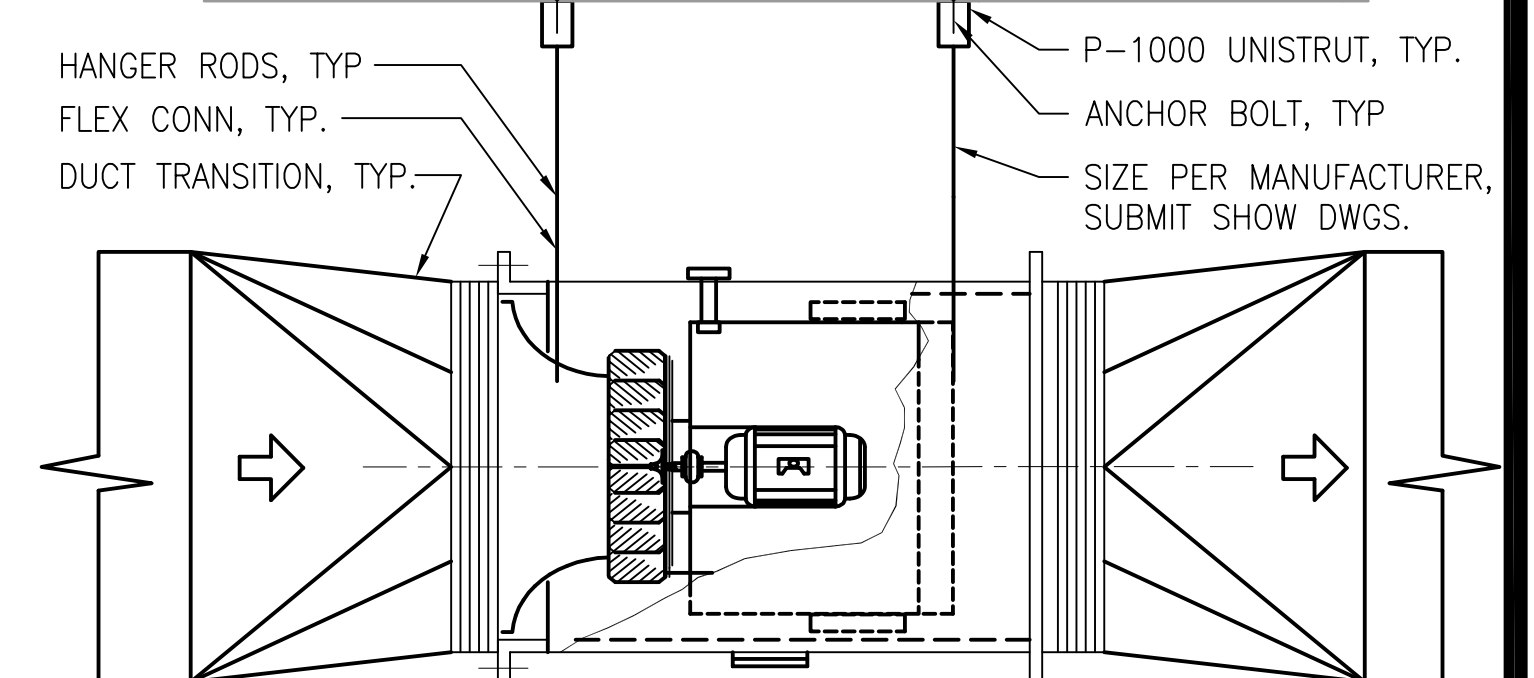


**D EXTERIOR CLEANOUT ASSEMBLY**  
SCALE: NO SCALE

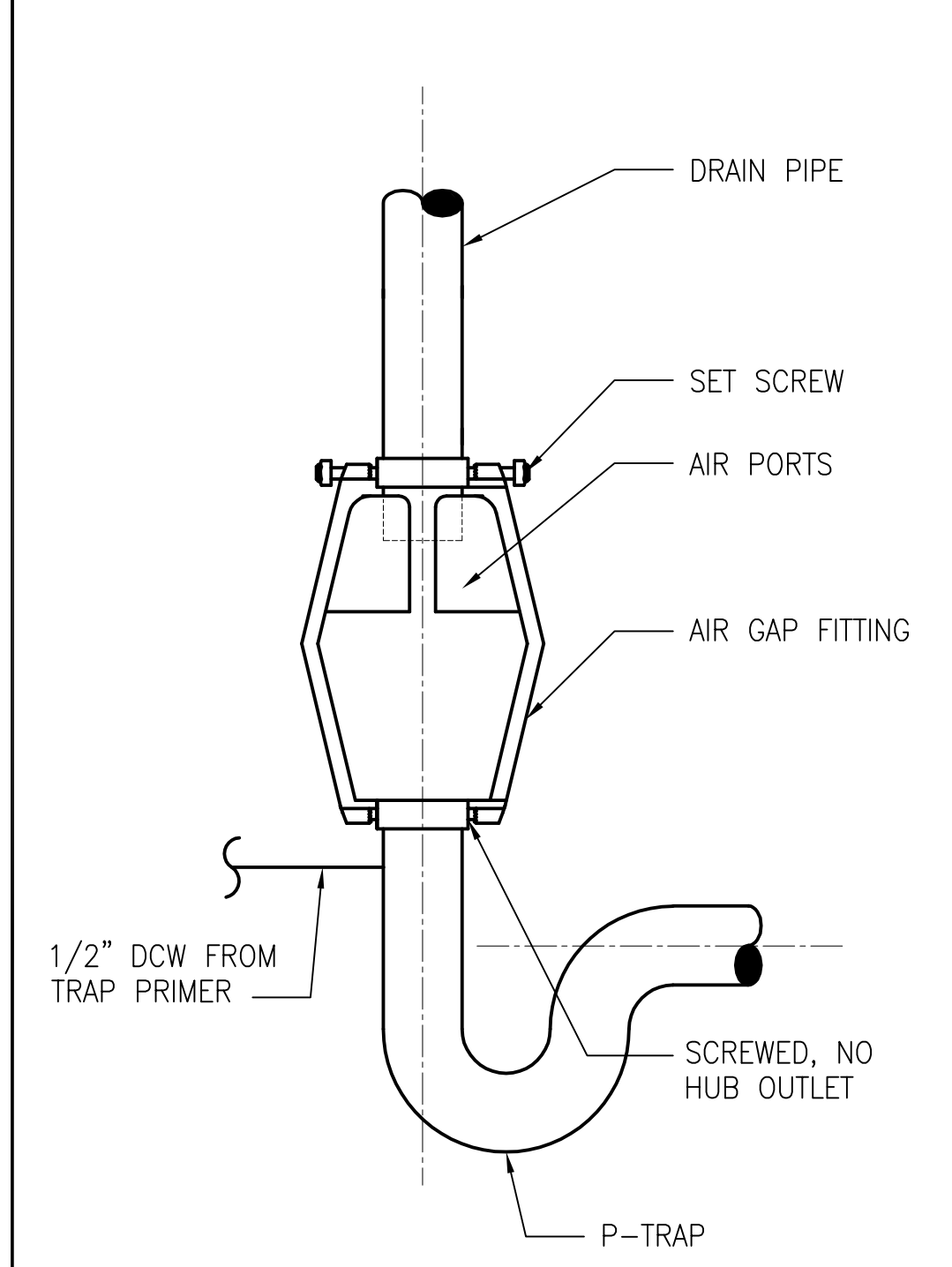
NOTE:  
CLEANOUTS TO BE INSTALLED ON SIDE WALKS AND PATHWAYS SHALL BE SIMILAR TO DETAIL



**E1 REDUCED PRESSURE BACKFLOW PREVENTER**  
SCALE: NO SCALE

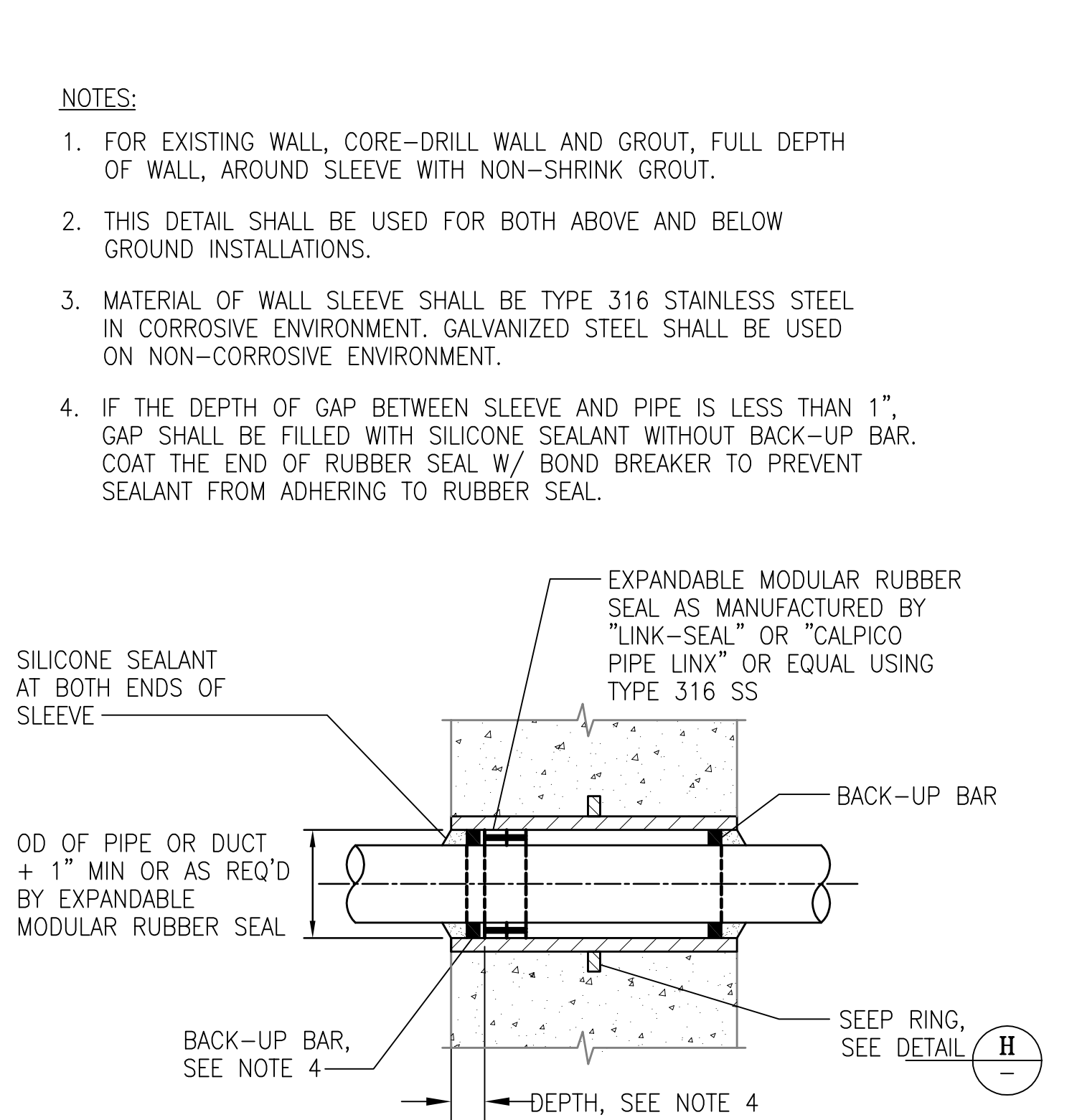


**E2 EF SUPPORT DETAIL**  
SCALE: NO SCALE



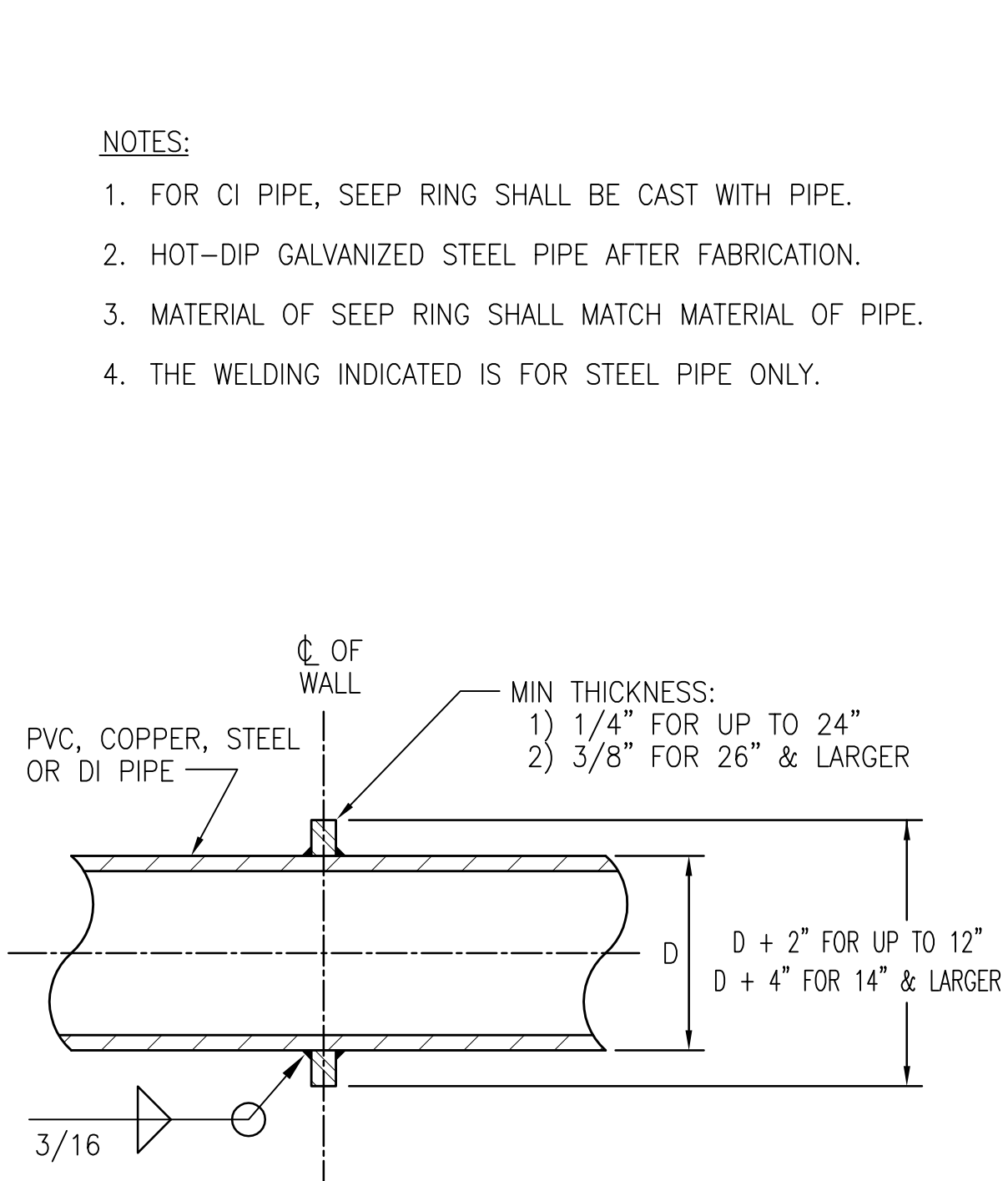
**F AIR GAP DRAIN DETAIL**  
SCALE: NO SCALE

NOTE:  
AIR GAP DRAIN SHALL BE PROVIDED WITH 8x8 ACCESS DOOR.



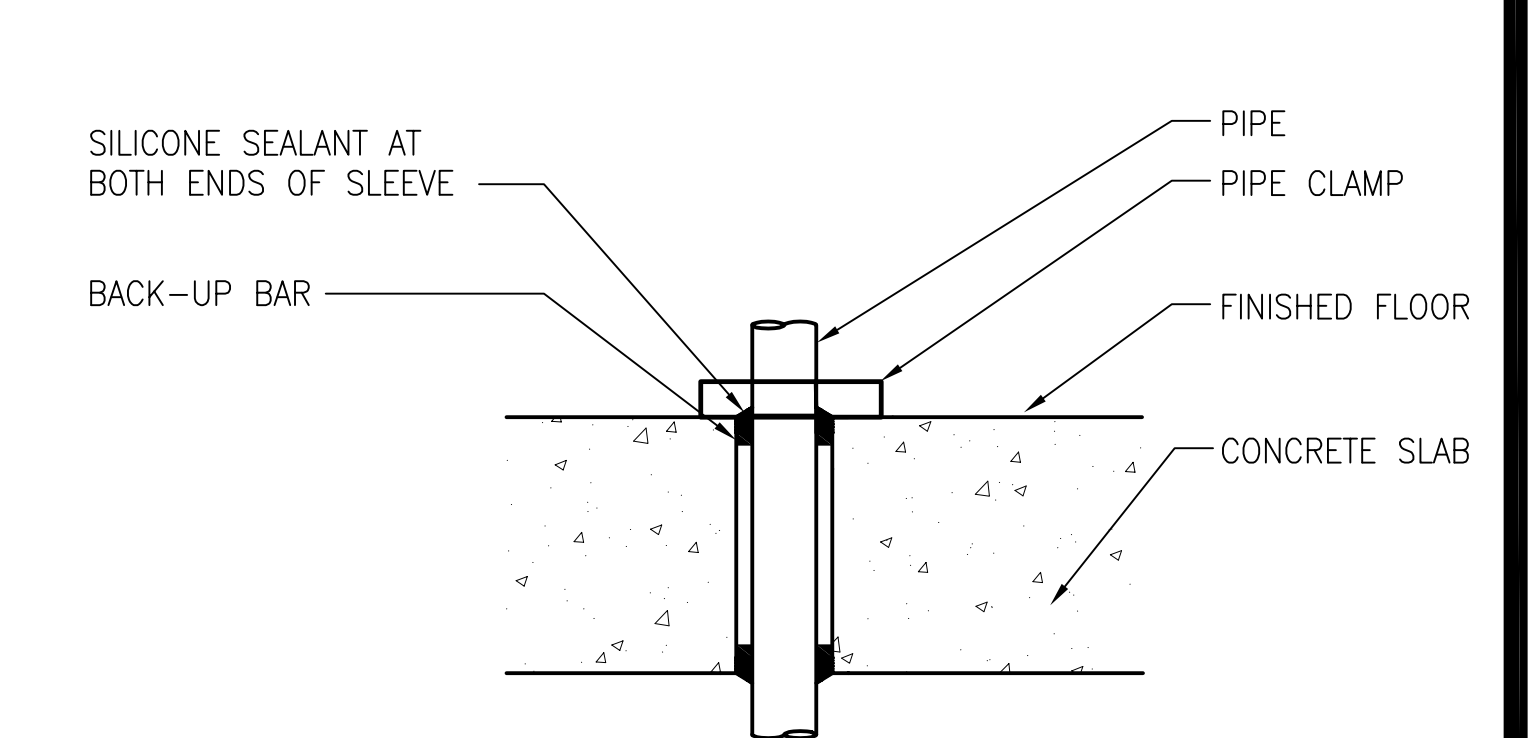
**G WALL SLEEVE DETAIL**  
SCALE: NO SCALE

- NOTES:
- FOR EXISTING WALL, CORE-DRILL WALL AND GROUT, FULL DEPTH OF WALL, AROUND SLEEVE WITH NON-SHRINK GROUT.
  - THIS DETAIL SHALL BE USED FOR BOTH ABOVE AND BELOW GROUND INSTALLATIONS.
  - MATERIAL OF WALL SLEEVE SHALL BE TYPE 316 STAINLESS STEEL IN CORROSIVE ENVIRONMENT. GALVANIZED STEEL SHALL BE USED ON NON-CORROSIVE ENVIRONMENT.
  - IF THE DEPTH OF GAP BETWEEN SLEEVE AND PIPE IS LESS THAN 1", GAP SHALL BE FILLED WITH SILICONE SEALANT WITHOUT BACK-UP BAR. COAT THE END OF RUBBER SEAL W/ BOND BREAKER TO PREVENT SEALANT FROM ADHERING TO RUBBER SEAL.

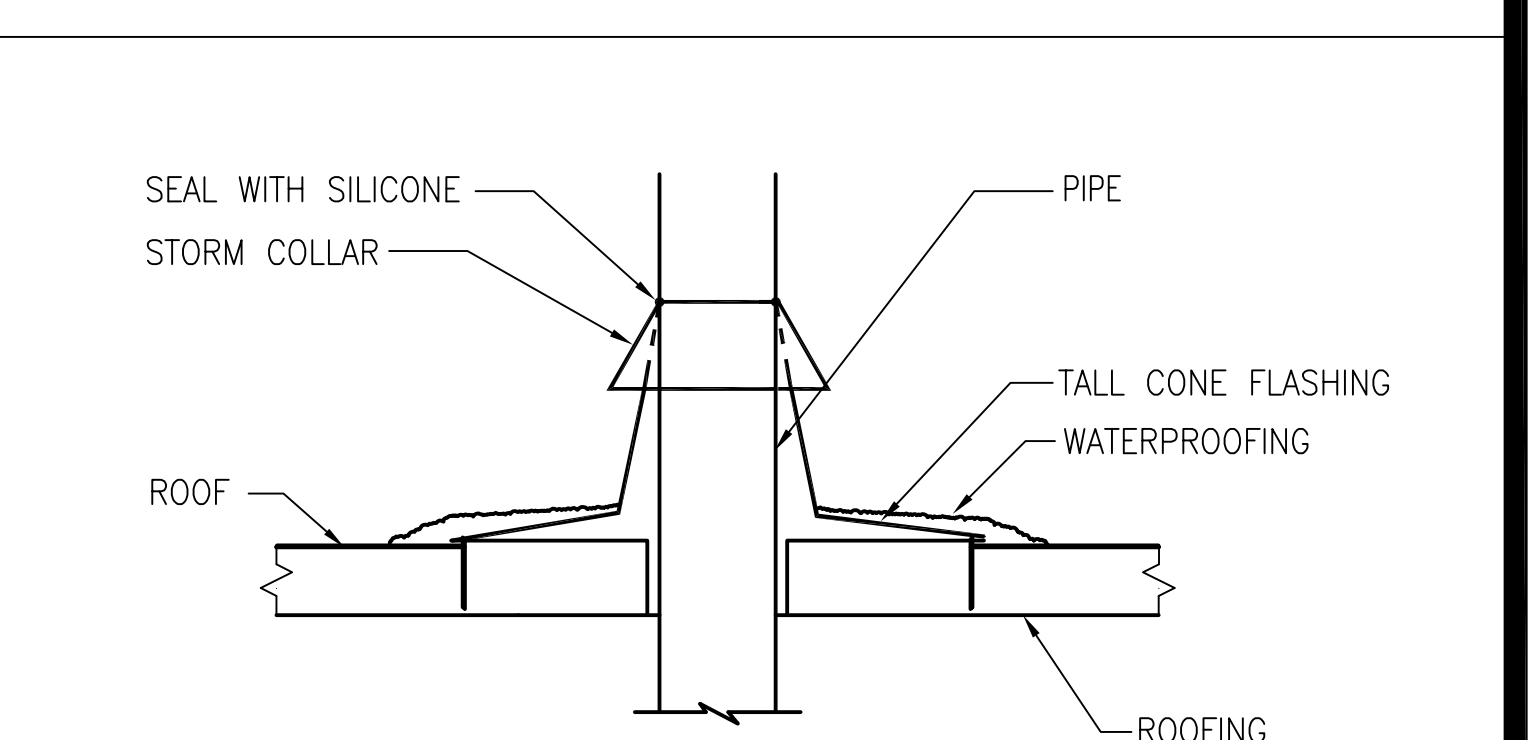


**H SEEP RING DETAIL**  
SCALE: NO SCALE

- NOTES:
- FOR CI PIPE, SEEP RING SHALL BE CAST WITH PIPE.
  - HOT-DIP GALVANIZED STEEL PIPE AFTER FABRICATION.
  - MATERIAL OF SEEP RING SHALL MATCH MATERIAL OF PIPE.
  - THE WELDING INDICATED IS FOR STEEL PIPE ONLY.



**I PIPE PENETRATION THRU FLOOR/CONCRETE SLAB**  
SCALE: NO SCALE



**J VENT THRU ROOF DETAIL**  
SCALE: NO SCALE