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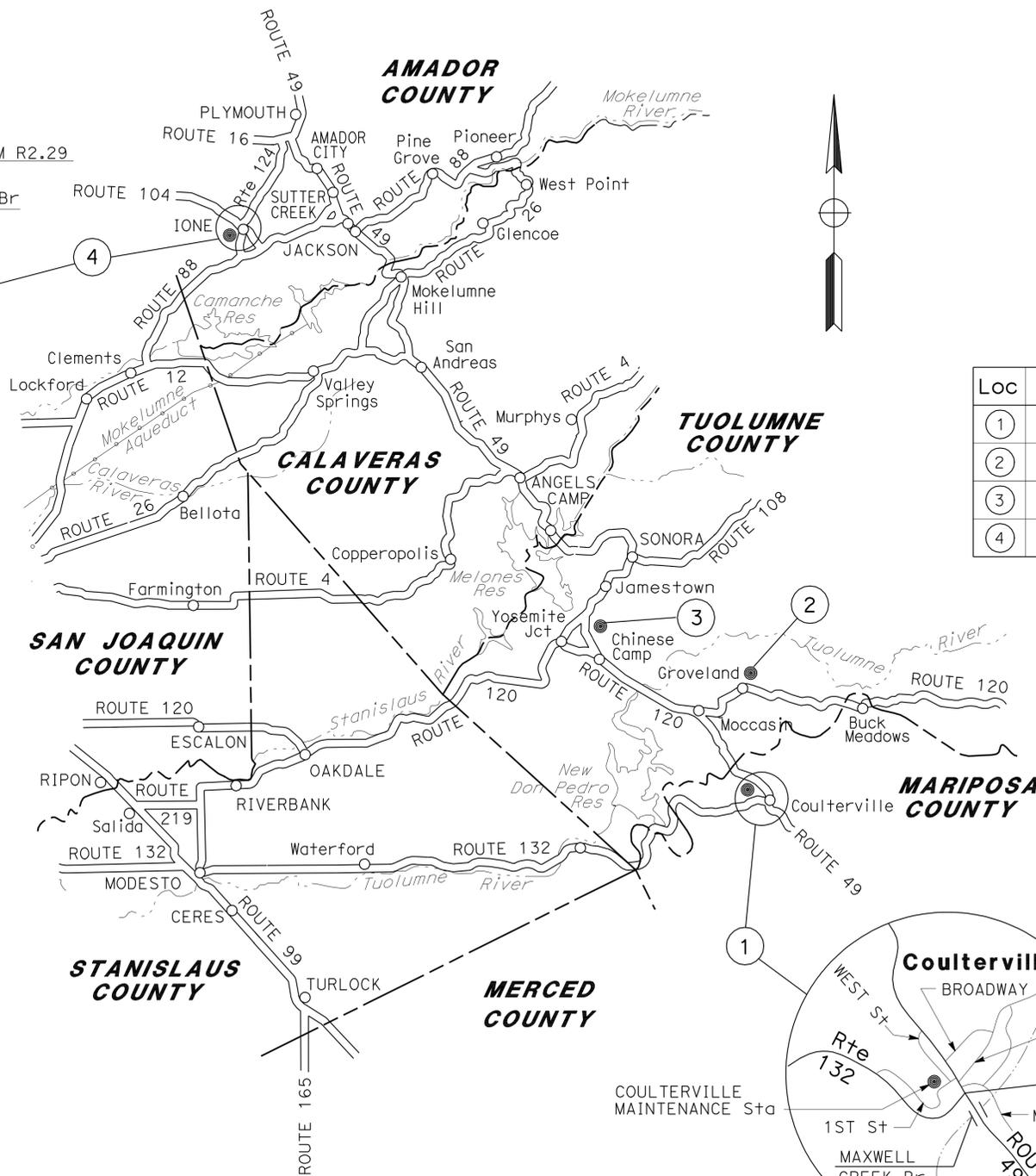
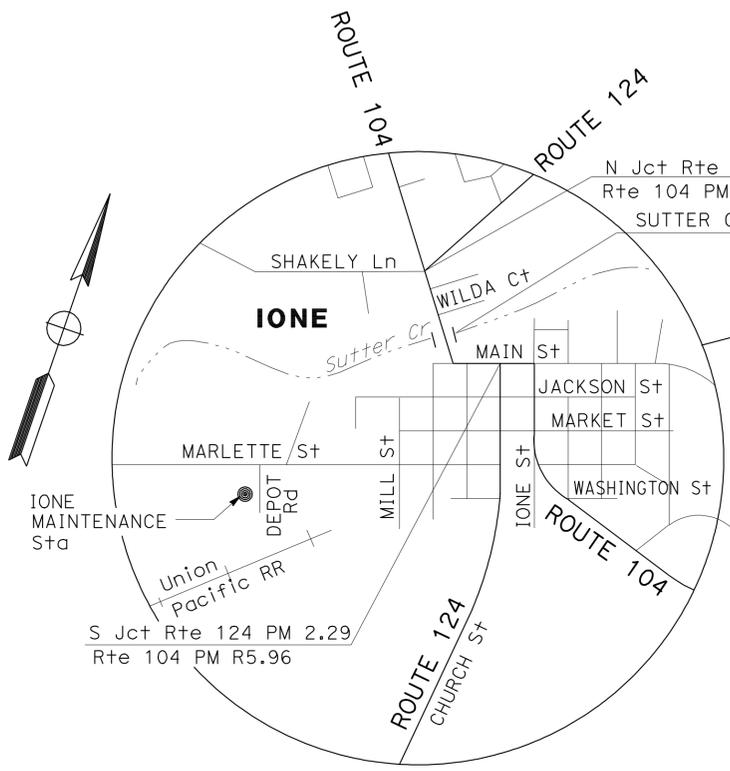
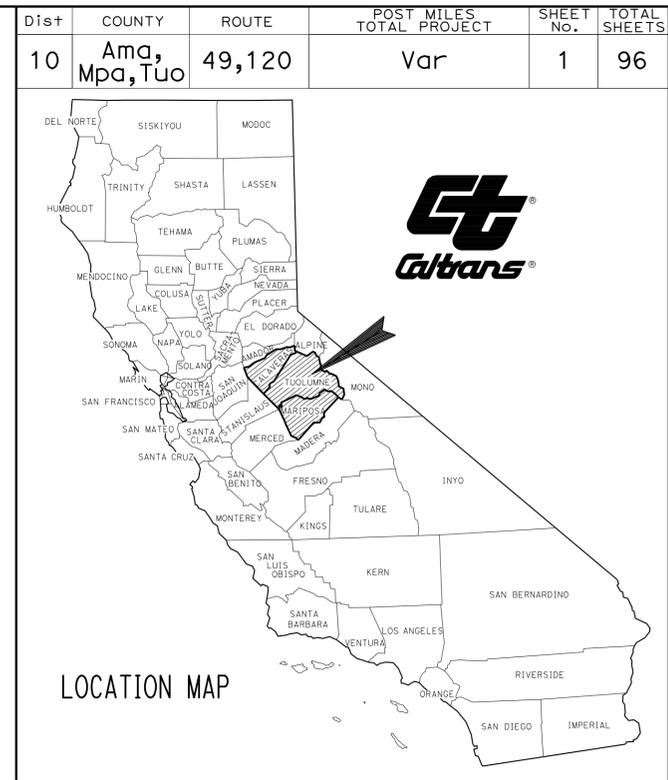
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON STATE HIGHWAY

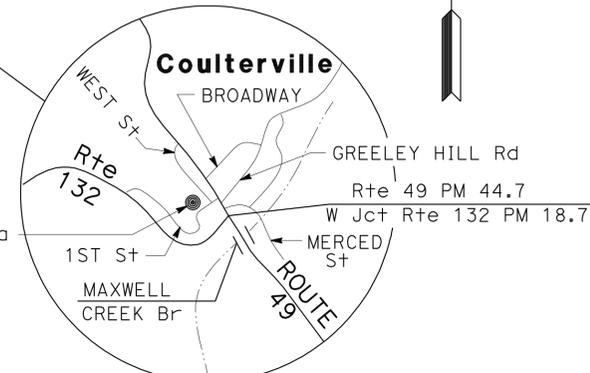
IN AMADOR, MARIPOSA AND TUOLUMNE COUNTIES AT VARIOUS LOCATIONS

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006



LOCATIONS OF CONSTRUCTION

Loc	Co	Rte	PM	STRUCTURE NAME	STATION No.
①	Mpa	49	44.7	COULTERVILLE MAINTENANCE STATION	5704
②	Tuo	120	32.57	GROVELAND MAINTENANCE STATION	5708
③	Tuo	49	11.5	SONORA MAINTENANCE STATION	5724
④	Ama	-	-	IONE MAINTENANCE STATION	5701



NO SCALE

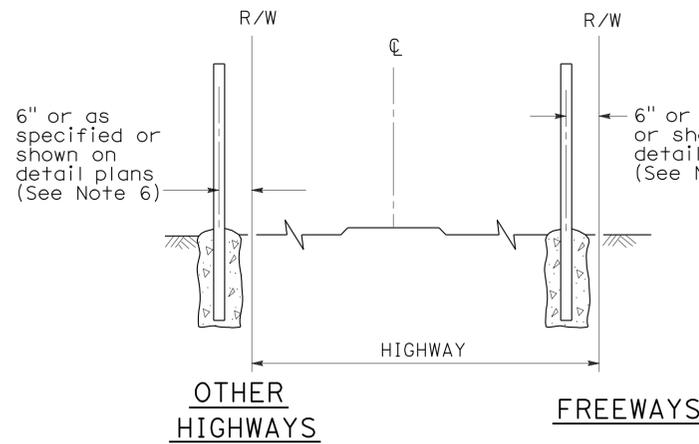
PROJECT MANAGER
ALVIN MANGINDIN

DESIGN ENGINEER
ALVIN MANGINDIN

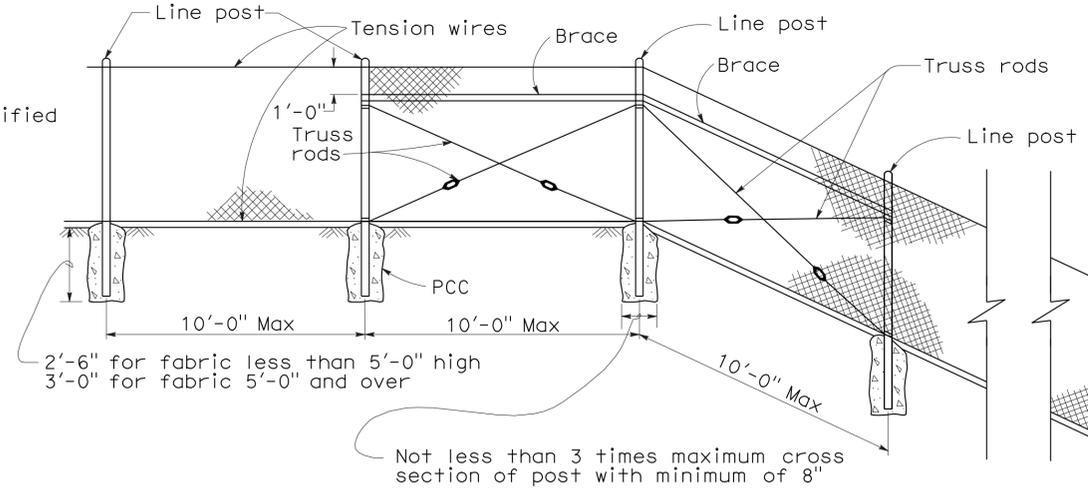
2/1/12
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
March 26, 2012
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



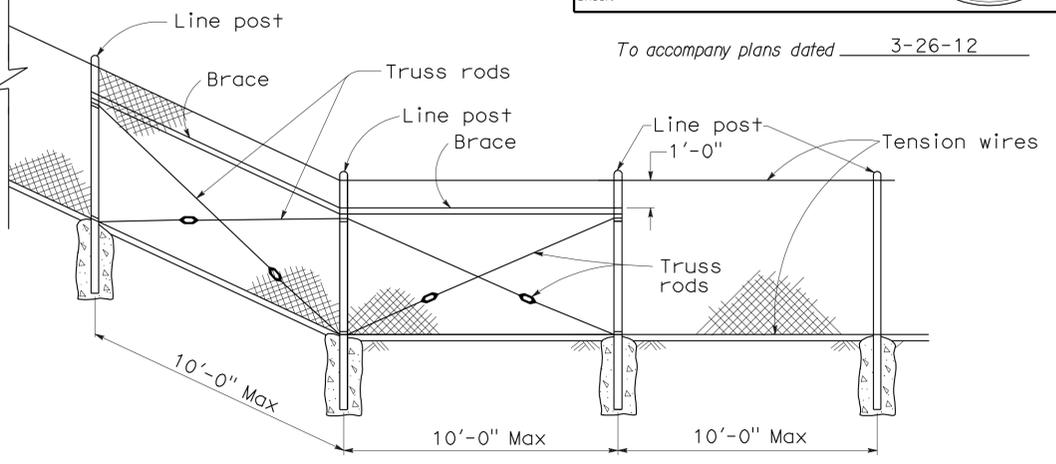
CONTRACT No.	10-OW5404
PROJECT ID	1000020669



FENCE LOCATION

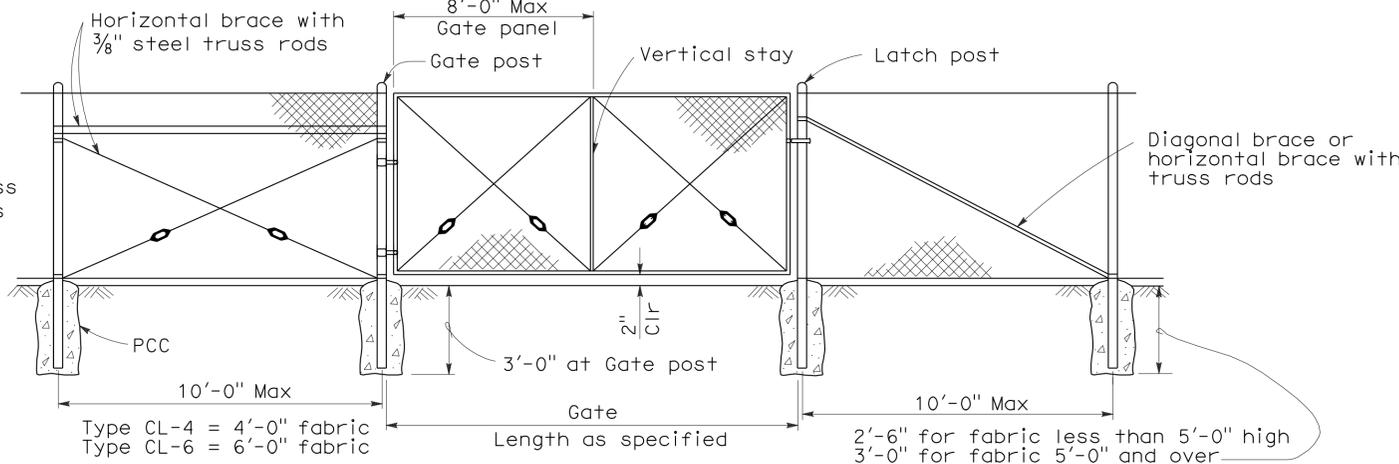
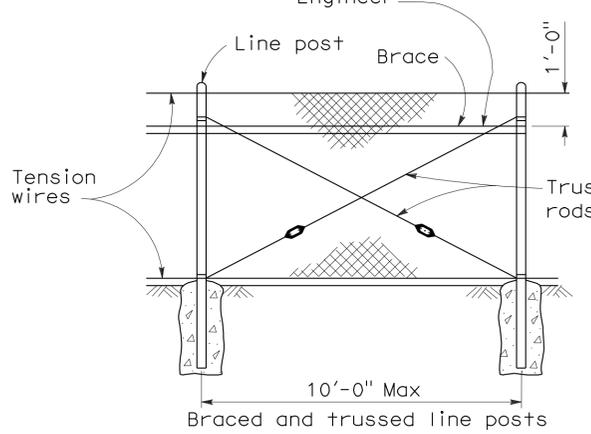


CHAIN LINK FENCE ON SHARP BREAK IN GRADE



To accompany plans dated 3-26-12

Brace to be removed after all other fence construction is completed unless otherwise directed by the Engineer



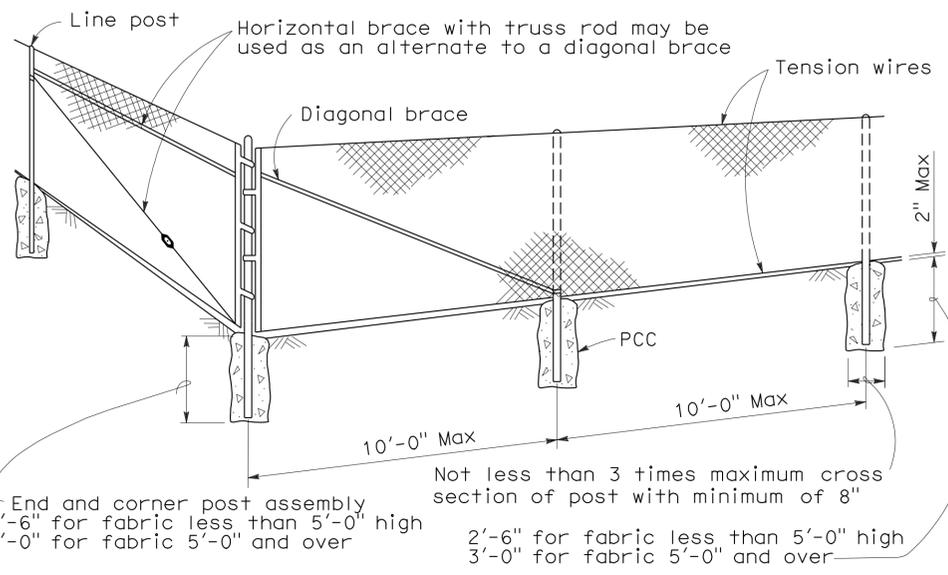
CHAIN LINK GATE INSTALLATION

NOTES:

- The below table shows examples of post and brace sections which may comply with the Specifications.
- Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.
- Other sections which comply with the strength requirements and other provisions of the Specifications may be used on approval of the Engineer.
- Options exercised shall be uniform on any one project.
- Dimensions shown are nominal.
- Offset to be 2'-0" at monument locations, measured at right angles to R/W lines. Taper to achieve offset to be at least 20'-0" long.

GATE POST			
FENCE HEIGHT	GATE WIDTHS	NOMINAL ID	WEIGHT PER FOOT
6'-0" and Less	Up thru 6'-0"	2 1/2"	4.95 LB
	Over 6'-0" thru 12'-0"	4"	10.79 LB
	Over 12'-0" thru 18'-0"	5"	14.62 LB
	Over 18'-0" to 24'-0" Max	6"	18.97 LB
Over 6'-0"	Up thru 6'-0"	3"	7.58 LB
	Over 6'-0" thru 12'-0"	5"	14.62 LB
	Over 12'-0" thru 18'-0"	6"	18.97 LB
	Over 18'-0" to 24'-0" Max	8"	28.55 LB

Above post dimensions and weights are minimums. Larger sizes may be used on approval of the Engineer.



CORNER POST

FENCE HEIGHT	TYPICAL MEMBER DIMENSIONS (See Notes)									
	LINE POSTS			END, LATCH & CORNER POSTS			BRACES			
	ROUND ID	H	ROLL FORMED	ROUND ID	ROLL FORMED		ROUND ID	H	ROLL FORMED	
6' & less	1 1/2"	1 7/8" x 1 5/8"	1 7/8" x 1 5/8"	2"	3 1/2" x 3 1/2"	2" x 1 3/4"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"
Over 6'	2"	2 1/4" x 2"	2" x 1 3/4"	2 1/2"	3 1/2" x 3 1/2"	2 1/2" x 2 1/2"	1 1/4"	1 1/2" x 1 5/16"	1 5/8" x 1 1/4"	1 3/4" x 1 1/4"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

CHAIN LINK FENCE

NO SCALE

RSP A85 DATED JUNE 5, 2009 SUPERSEDES STANDARD PLAN A85
DATED MAY 1, 2006 - PAGE 111 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP A85

2006 REVISED STANDARD PLAN RSP A85

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	3	96

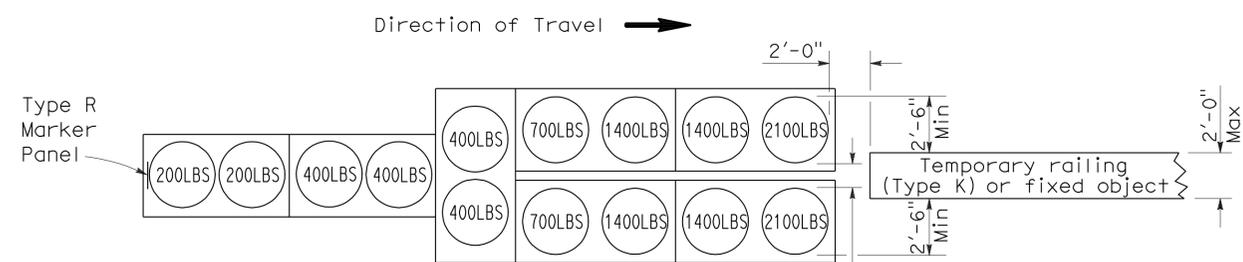
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

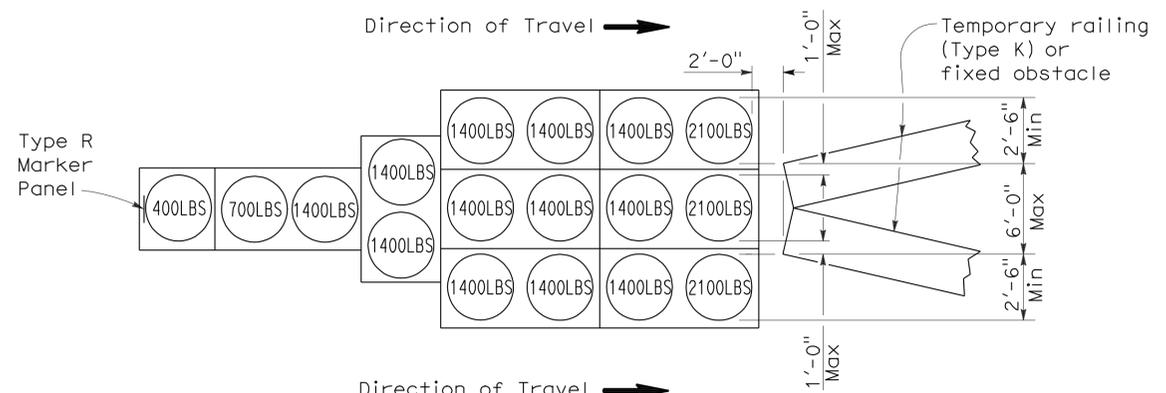
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

To accompany plans dated 3-26-12



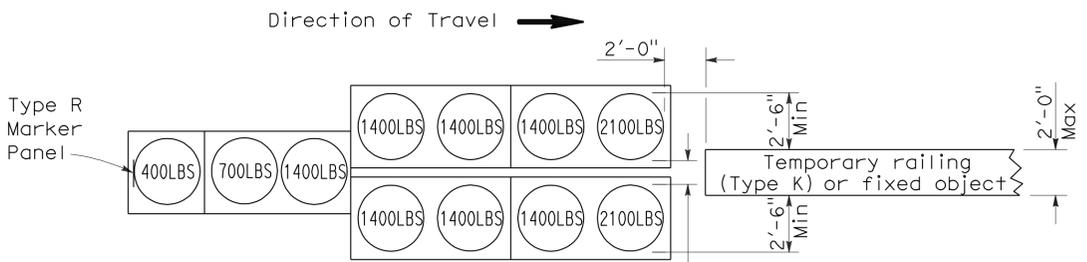
ARRAY 'TU14'

Approach speed 45 mph or more



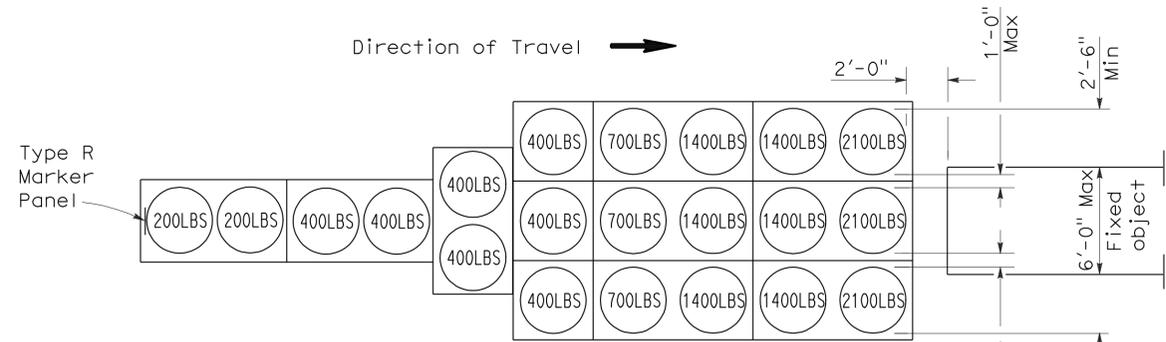
ARRAY 'TU17'

Approach speed less than 45 mph



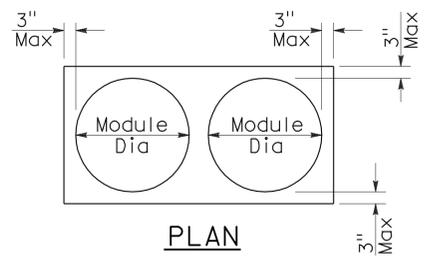
ARRAY 'TU11'

Approach speed less than 45 mph

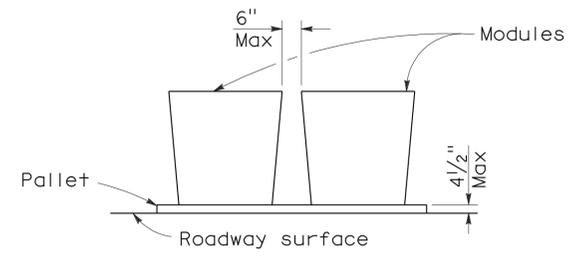


ARRAY 'TU21'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the top of Type R marker panel 1" below the module lid.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(UNIDIRECTIONAL)**

NO SCALE

RSP T1A DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1A
DATED MAY 1, 2006 - PAGE 211 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1A

2006 REVISED STANDARD PLAN RSP T1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Contra Costa	49,120	Var	4	96

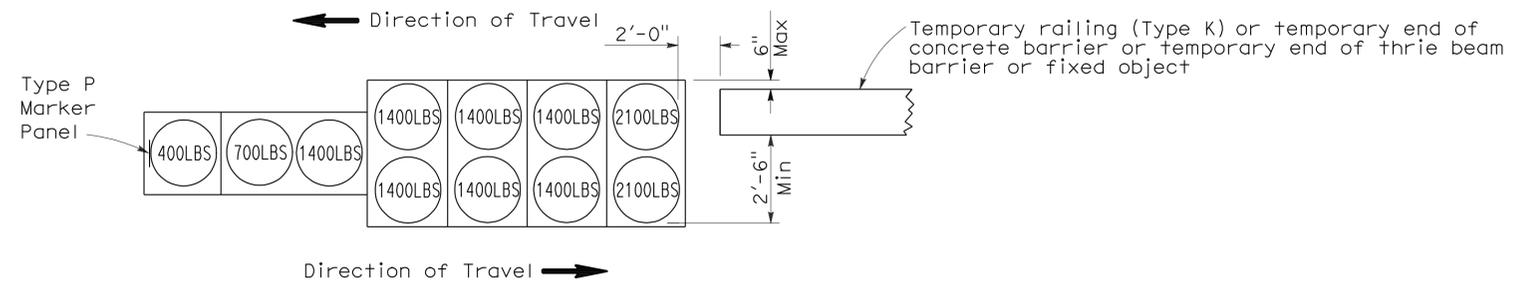
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

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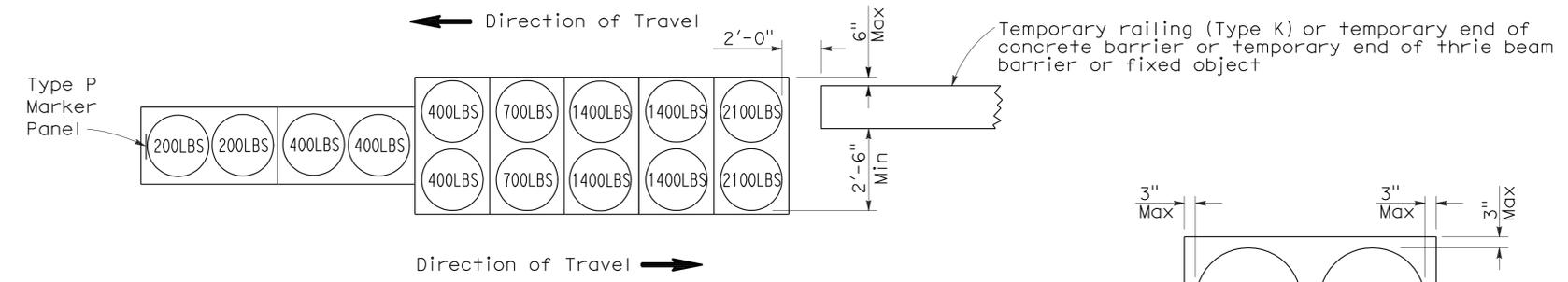
REGISTERED PROFESSIONAL ENGINEER
Randell D. Hiatt
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

To accompany plans dated 3-26-12



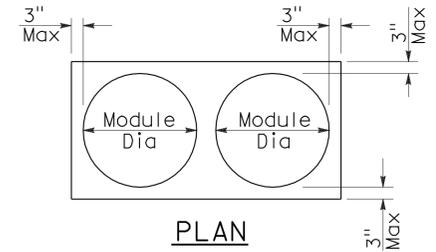
ARRAY 'TB11'

Approach speed less than 45 mph

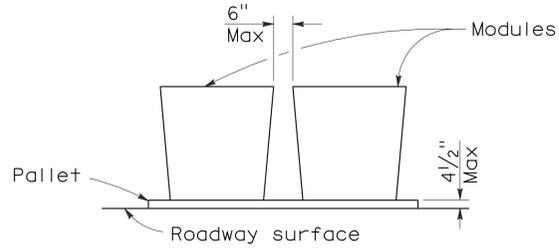


ARRAY 'TB14'

Approach speed 45 mph or more



PLAN



ELEVATION

CRASH CUSHION PALLET DETAIL

See Note 7

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. Temporary crash cushion arrays shall not encroach on the traveled way.
4. Place the Type P marker panel so that the bottom of the panel rests upon the pallet.
5. Refer to Standard Plan A73B for marker details.
6. Approach speeds indicated conform to NCHRP 350 Report criteria.
7. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(BIDIRECTIONAL)**

NO SCALE

RSP T1B DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T1B
DATED MAY 1, 2006 - PAGE 212 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T1B

2006 REVISED STANDARD PLAN RSP T1B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Tuolumne	49,120	Var	5	96

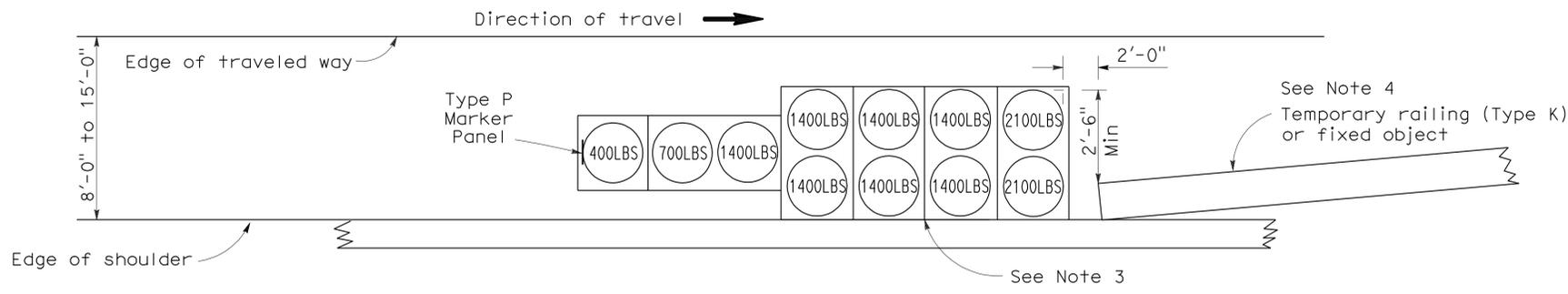
Randell D. Hiatt
REGISTERED CIVIL ENGINEER

June 6, 2008
PLANS APPROVAL DATE

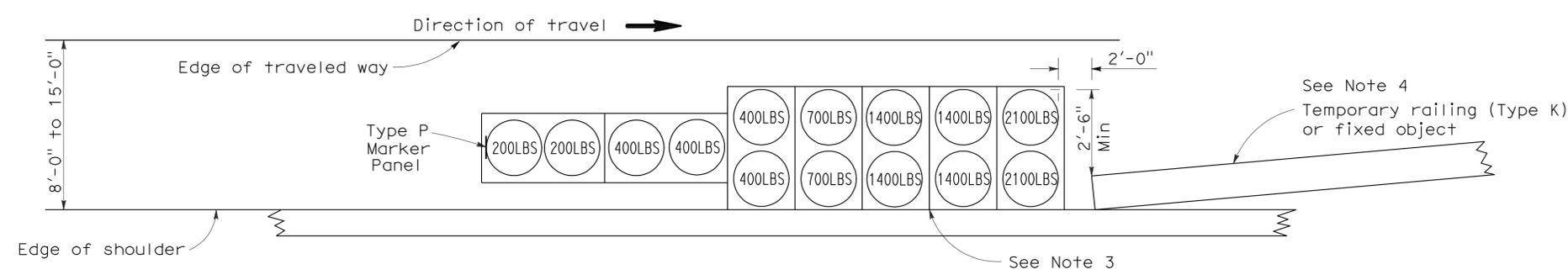
Randell D. Hiatt
REGISTERED PROFESSIONAL ENGINEER
No. C50200
Exp. 6-30-09
CIVIL
STATE OF CALIFORNIA

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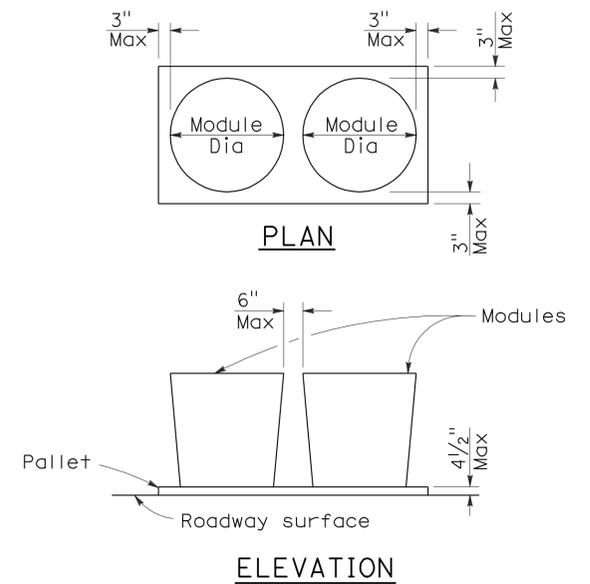
To accompany plans dated 3-26-12



ARRAY 'TS11'
Approach speed less than 45 mph
See Note 9



ARRAY 'TS14'
Approach speed 45 mph or more
See Note 9



CRASH CUSHION PALLET DETAIL
See Note 11

NOTES:

1. (XXX) Indicates sand filled module location and weight of sand in pounds for each module. Module spacing is based on the greater diameter of the module.
2. All sand weights are nominal.
3. The temporary crash cushion arrays shown on this plan shall be used only in locations where there will be traffic on one side of the temporary crash cushion array.
4. If the fixed object or approach end of the temporary railing is less than 15'-0" from the edge of traveled way, a temporary crash cushion is required in a construction or work zone.
5. Temporary crash cushion arrays shall not encroach on the traveled way.
6. Arrays for median shoulders shall conform to details shown on this plan for outside shoulders.
7. Place the Type P marker panel so that the bottom of the panel rests upon the pallet and faces traffic.
8. Refer to Standard Plan A73B for marker details.
9. For shoulder widths less than 8'-0", appropriate approved crash cushion protection, other than sand filled modules, shall be provided at fixed objects and at approach ends of temporary railing. The specific type of crash cushion shall be as shown on the project plans or as specified in the Special Provisions, or if not shown on the project plans or specified in the Special Provisions, shall be as approved by the Engineer.
10. Approach speeds indicated conform to NCHRP 350 Report criteria.
11. Use of pallets is optional.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY CRASH CUSHION,
SAND FILLED
(SHOULDER INSTALLATIONS)**

NO SCALE
RSP T2 DATED JUNE 6, 2008 SUPERSEDES STANDARD PLAN T2
DATED MAY 1, 2006 - PAGE 213 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP T2

2006 REVISED STANDARD PLAN RSP T2

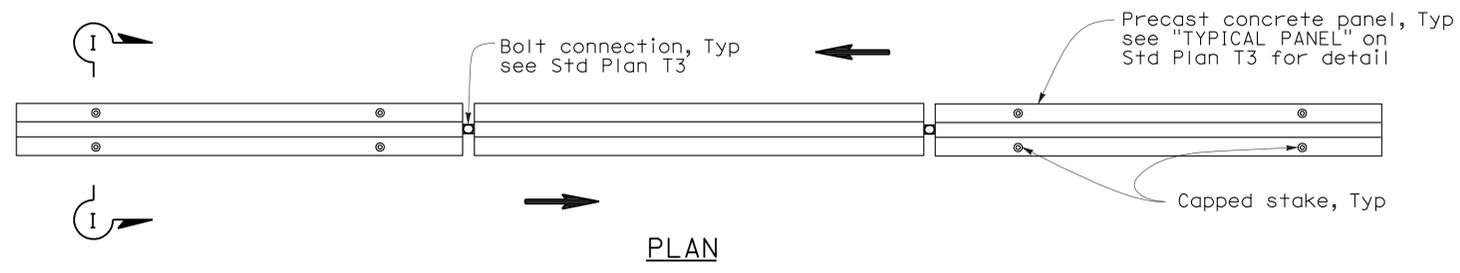
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	6	96

Randell D. Hiatt
REGISTERED CIVIL ENGINEER

May 20, 2011
PLANS APPROVAL DATE

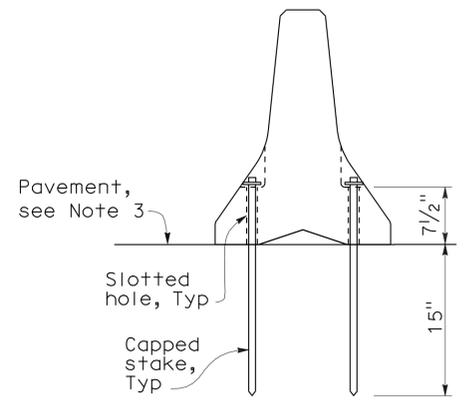
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To accompany plans dated 3-26-12



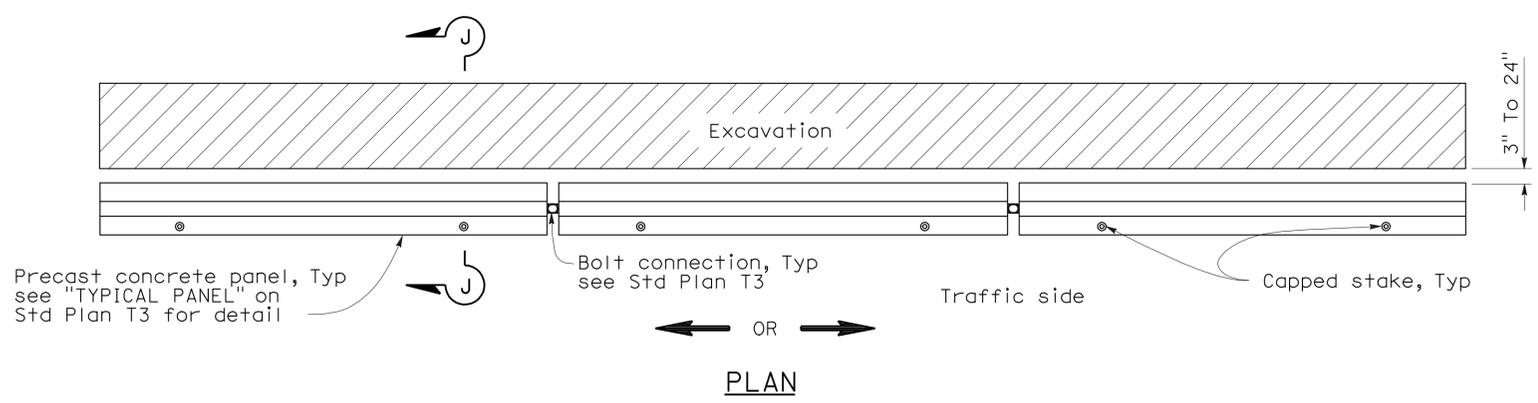
RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

See Note 1



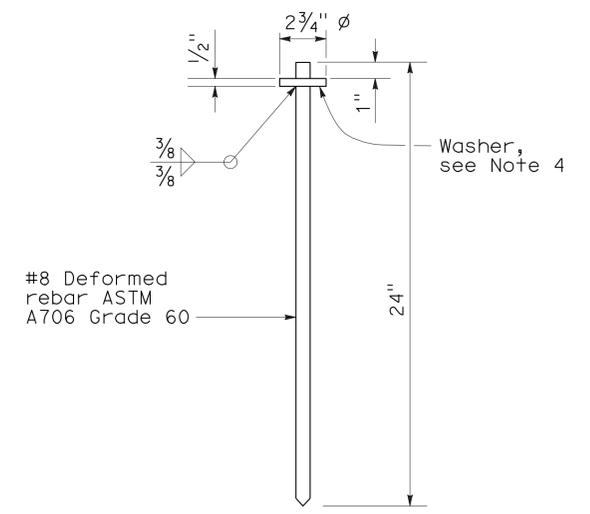
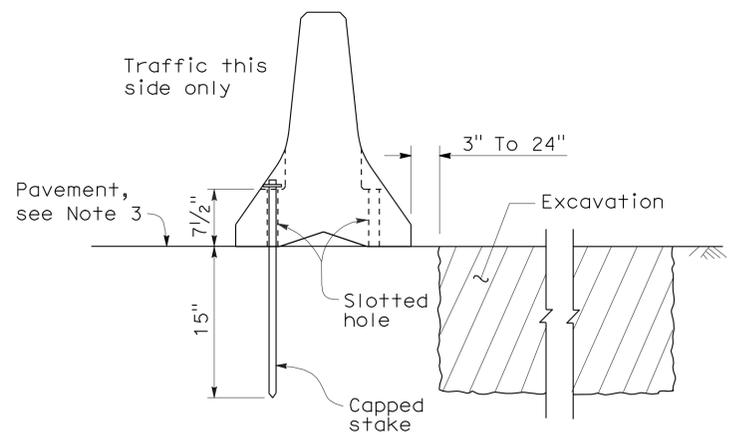
NOTES:

1. Where Type K Temporary Railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
2. Where Type K Temporary Railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
3. Staked Type K Temporary Railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
4. The minimum yield strength for the washer must be 60,000 psi.
5. Direction of adjacent traffic indicated by \Rightarrow .



RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

See Note 2



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

NO SCALE

NSP T3A DATED MAY 20, 2011 SUPPLEMENTS
THE STANDARD PLANS BOOK DATED MAY 2006.

2006 NEW STANDARD PLAN NSP T3A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Tuolumne	49,120	Var	7	96

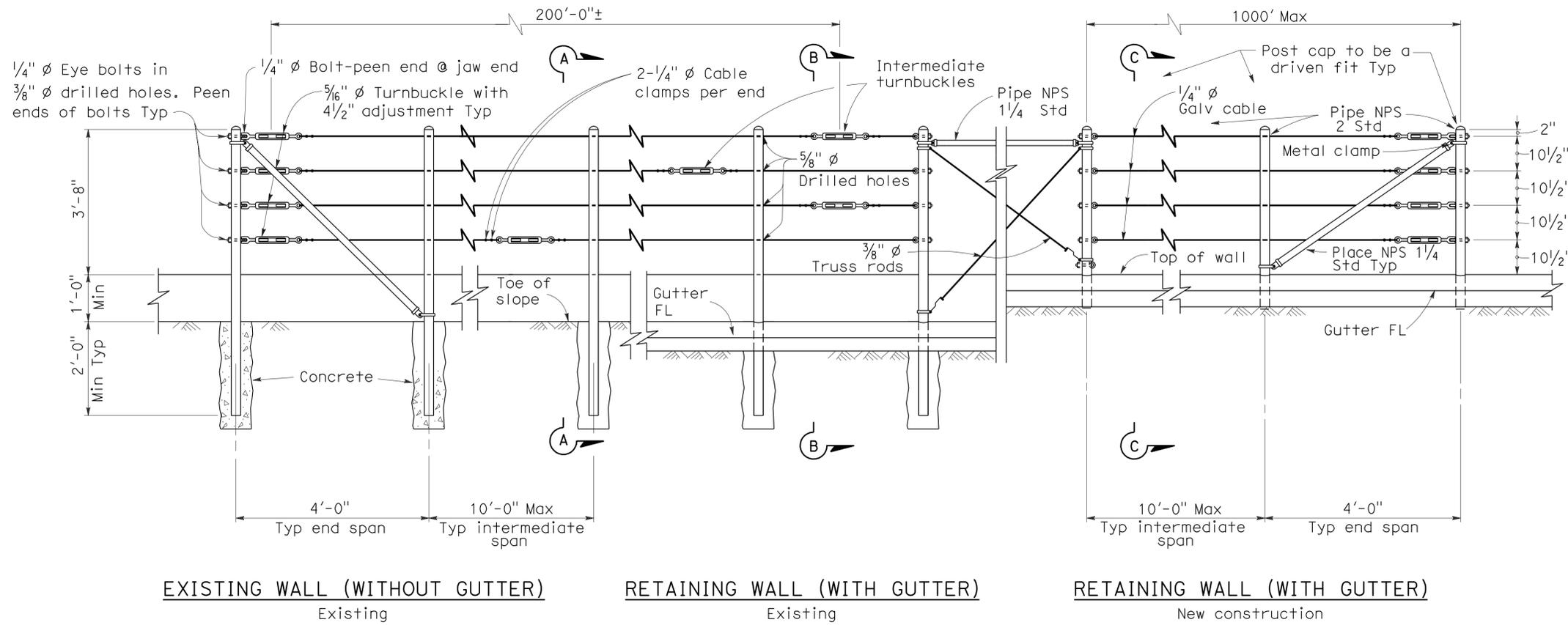
REGISTERED CIVIL ENGINEER

October 21, 2011
PLANS APPROVAL DATE

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To accompany plans dated 3-26-12

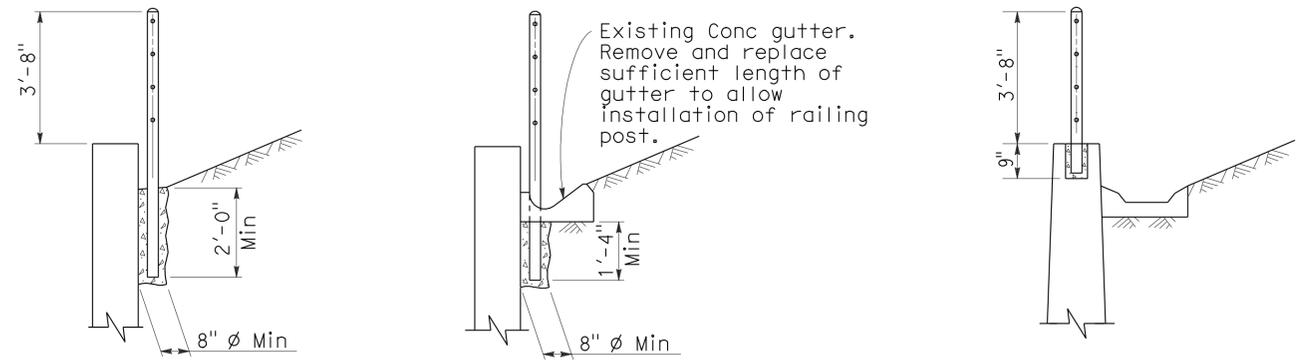
REGISTERED PROFESSIONAL ENGINEER
Tillat Satter
No. C42892
Exp. 3-31-12
CIVIL
STATE OF CALIFORNIA



ELEVATION

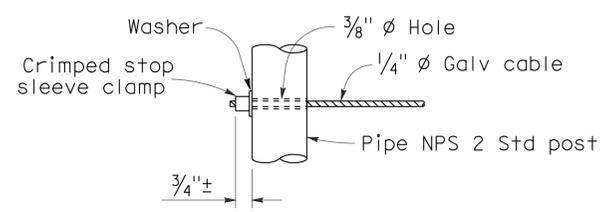
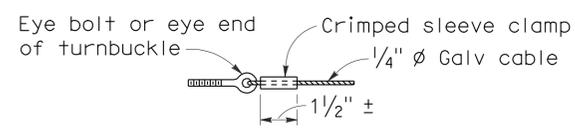
NOTES:

1. Maximum distance between turnbuckles shall be 200'-0"±.
2. Intermediate turnbuckles to be placed in adjacent spans.
3. Cable shall not be spliced between intermediate turnbuckles and end posts.
4. All posts, cable, and hardware to be galvanized.
5. Posts to be vertical.
6. Alignment of holes in posts may vary to conform to slope of top of retaining wall.
7. The Contractor shall verify all dependent dimensions in the field before ordering or fabricating any material.
8. Alternative details may be submitted by the Contractor for approval by the Engineer.
9. Line posts shall be braced horizontally and trussed diagonally in both directions at intervals not to exceed 1000'.
10. Post pockets to be centered in top of wall.
11. Typical end spans, braced in both directions, shall be constructed at changes in line where the angle of deflection is 15° or more.
12. Provide thimbles at all cable loops.

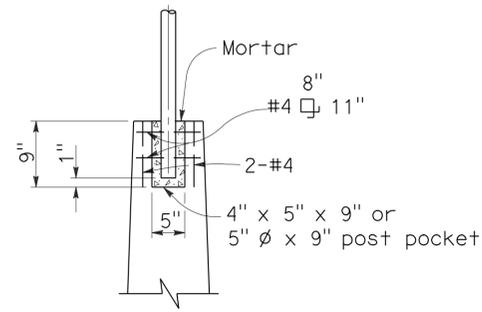


SECTION A-A Existing
SECTION B-B Existing
SECTION C-C New construction

ALTERNATIVE CABLE CONNECTION



ALTERNATIVE DEAD END ANCHORAGE



POST POCKET

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CABLE RAILING

NO SCALE

RSP B11-47 DATED OCTOBER 21, 2011 SUPERSEDES STANDARD PLAN B11-47 DATED MAY 1, 2006 - PAGE 268 OF THE STANDARD PLANS BOOK DATED MAY 2006.

REVISED STANDARD PLAN RSP B11-47

2006 REVISED STANDARD PLAN RSP B11-47

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	8	96

<i>Jerome R. Marcotte</i>	01-24-12
REGISTERED CIVIL ENGINEER	DATE

3-26-12
PLANS APPROVAL DATE

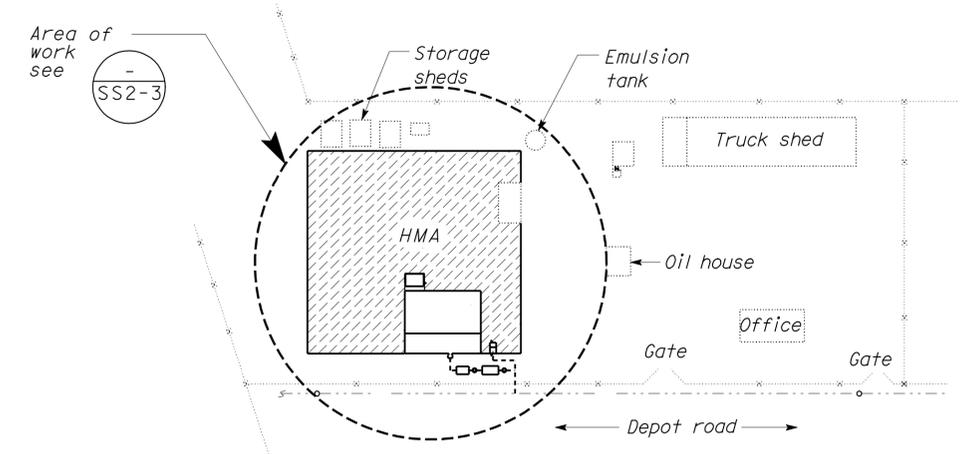
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ST2-12	CANOPY FRAMING DETAILS
STRUCTURAL (GROVELAND M. S.)	
ST3-1	DESIGN CRITERIA AND DETAIL NOTES
ST3-2	FOUNDATION PLAN
ST3-3	ROOF FRAMING PLAN
ST3-4	CANOPY SECTION
ST3-5	SPLASH GUARD DETAILS
ST3-6	CANOPY SECTION
ST3-7	WALL ELEVATION
ST3-8	BASIN SECTION
ST3-9	WALL ELEVATION
ST3-10	OUTLET BOX DETAILS
ST3-11	CANOPY FRAMING DETAILS
ST3-12	CANOPY FRAMING DETAILS
ST3-13	(E) CANOPY RELOCATION DETAILS
STRUCTURAL (SONORA M. S.)	
ST4-1	DESIGN CRITERIA AND DETAIL NOTES
ST4-2	FOUNDATION PLAN
ST4-3	ROOF FRAMING PLAN
ST4-4	CANOPY SECTION
ST4-5	SPLASH GUARD DETAILS
ST4-6	CANOPY SECTION
ST4-7	WALL ELEVATION
ST4-8	BASIN SECTION
ST4-9	WALL ELEVATION
ST4-10	OUTLET BOX DETAILS
ST4-11	CANOPY FRAMING DETAILS
ST4-12	CANOPY FRAMING DETAILS

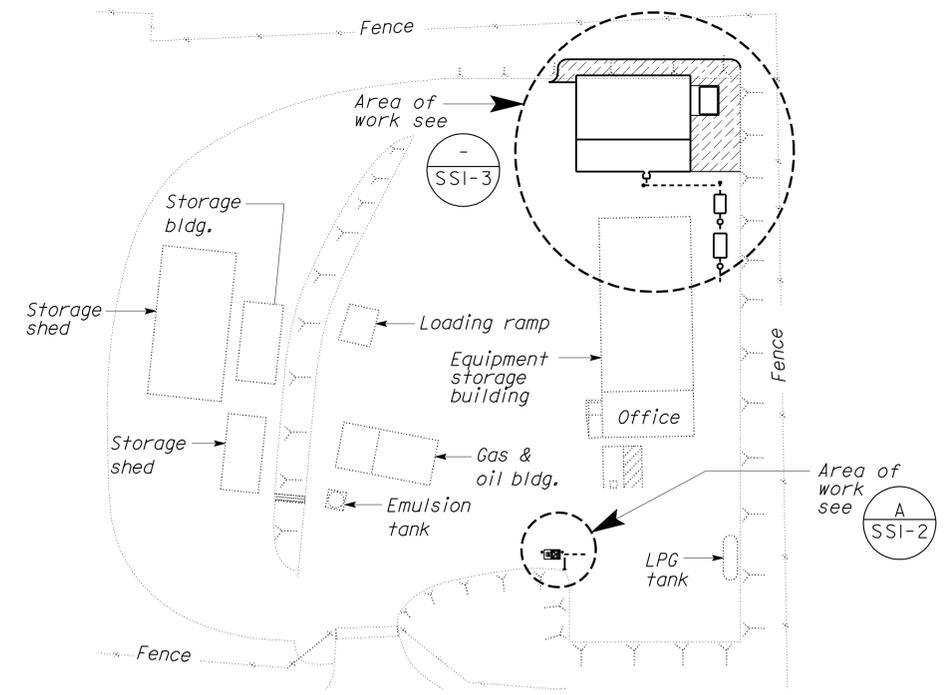


IONE M. S. GENERAL PLAN

SCALE 1" = 60'-0"



CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



COULTERVILLE M. S. GENERAL PLAN

SCALE 1" = 40' - 0"

APPROVED <i>R.E. Travis</i> DESIGN SUPERVISOR	DESIGN SUPERVISOR <i>Jerome R. Marcotte</i> DESIGN ENGINEER	DESIGN BY <i>Amar Baldwan</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS		SHEET GP-1
		DETAILS BY <i>Amar Baldwan</i> CHECKED <i>Don Hansen</i>			POST MILE X	IONE M. S., COULTERVILLE M. S.	GENERAL PLANS	
TAEMWW Imperial Rev. 7/10		QUANTITIES BY <i>Amar Baldwan</i> CHECKED <i>Don Hansen</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

26-MAR-2012 16:38 gp_1.dgn

ACCESSIBILITY NOTES

1. PEDESTRIAN ACCESSIBLE PATH OF TRAVEL (POT) FROM THE NEW FACILITIES AND ELEMENTS TO ALL (E) BLDGS AND FACILITIES NOT ALTERED UNDER THIS PROJECT IS NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
2. POT CONNECTING ALL (E) BLDGS AND FACILITIES NOT ALTERED UNDER THIS PROJECT IS NOT REQUIRED TO BE IN THE SCOPE OF WORK.
3. POT IS NOT REQUIRED TO ACCESS ALL THE NEW BASIN AREAS, AS SUCH AREAS ARE ACCESSIBLE BY SERVICE VEHICLES ONLY.
4. ALL THE NEW WASHRACK AREAS ARE PRIMARILY ACCESSIBLE BY VEHICLES, BUT THEIR SLABS SHALL HAVE 2% AND LESS SLOPE IN ANY DIRECTIONS TO PROVIDE POT INSIDE SUCH AREAS AS NEEDED.
5. ALL THE ADJACENT NEW EQUIPMENT STORAGE SHED SLABS SHALL HAVE 2% AND LESS SLOPE IN ANY DIRECTIONS. ANY LEVEL CHANGE BETWEEN THE ACCESS POINT AT STORAGE SHED AND ADJACENT GRADE SHALL BE MAX HALF AN INCH W/ MAX 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING A QUARTER OF AN INCH MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDING HALF AN INCH SHALL BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP.
6. SPECIFIC POTS NEED NOT BE IDENTIFIED TO ANY NEW ELEMENTS, SUCH AS TANK TRUCK FILLERS, INDUSTRIAL VACUUMS, WASH HOSE REELS, EMERGENCY EYEWASH AND SHOWER, BASIN OUTLET BOXES, ELECTRICAL BOXES, SANITARY DUMP STATIONS, ETC., AS POT SHALL BE PROVIDED AT THE IMMEDIATE ADJACENT GROUND OF AT LEAST 4-FOOT WIDE WALKWAYS ON ALL EXPOSED SIDES OF ANY NEW ELEMENTS WITH 2% AND LESS SLOPE IN ANY DIRECTIONS AND WITHOUT ANY LEVEL CHANGE OF MORE THAN HALF AN INCH, SO SERVICE VEHICLES MAY PARK NEXT TO WALKWAYS AND ACCESS ANY NEW ELEMENTS AS NEEDED, EXCEPT FOR THE ELEMENTS BELOW THAT ARE EXEMPT.

7. SAND-OIL SEPARATORS, CLARIFIER TANKS, SETTLING TANKS, SANITARY TANKS AT SANITARY DUMP STATIONS, CLEANOUT-TO-GRADE ACCESS BOXES, FLOW METERS, OBSERVATION WELLS AT INFILTRATION CHAMBERS ARE EXEMPT FROM THE ACCESSIBILITY REQUIREMENTS, BECAUSE THEIR ACCESSIBLE AND OPERABLE PARTS ARE LOCATED BELOW THE FINISH GRADE, LOWER THAN THE CODE REQUIRED MINIMUM HEIGHT FOR BOTH THE LOW FORWARD REACH AND LOW SIDE REACH. EXEMPTION DOCUMENT IS ON FILE.
8. SPECIFIC POTS NEED NOT BE IDENTIFIED TO ANY RELOCATED FACILITIES, SUCH AS STORAGE CONTAINER PORTABLE TANK, METAL SHED, SENDER RACK, THE CONVERTED MATERIALS STORAGE PAD, AS POT SHALL BE PROVIDED AT THE IMMEDIATE ADJACENT GROUND OF AT LEAST 4-FOOT WIDE WALKWAYS ON ALL EXPOSED SIDES OF EACH FACILITY WITH 2% AND LESS SLOPE IN ANY DIRECTIONS AND WITHOUT ANY LEVEL CHANGE OF MORE THAN HALF AN INCH, SO SERVICE VEHICLES MAY PARK NEXT TO WALKWAYS AND ACCESS ANY RELOCATED FACILITIES AS NEEDED. ANY LEVEL CHANGE BETWEEN THE ACCESS POINT AT ANY RELOCATED FACILITIES AND ADJACENT GRADE (WALKWAYS) SHALL BE MAX HALF AN INCH W/ MAX 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING A QUARTER OF AN INCH MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDING HALF AN INCH SHALL BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Am, Mpa, Tuo	49,120	Var	9	96

Jerome R. Marcotte
 REGISTERED CIVIL ENGINEER
 DATE 01-24-12
 No. C 36844
 Exp 06/30/12
 CIVIL
 STATE OF CALIFORNIA

3-26-12
 PLANS APPROVAL DATE
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CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any violation or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

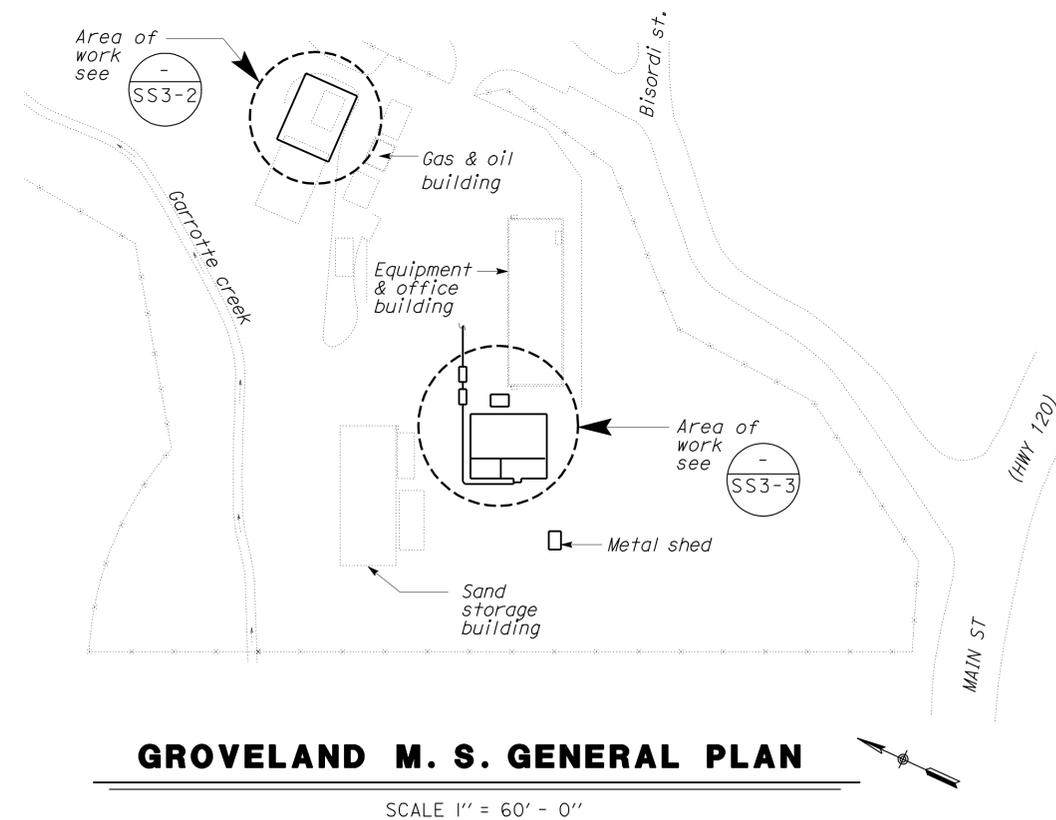
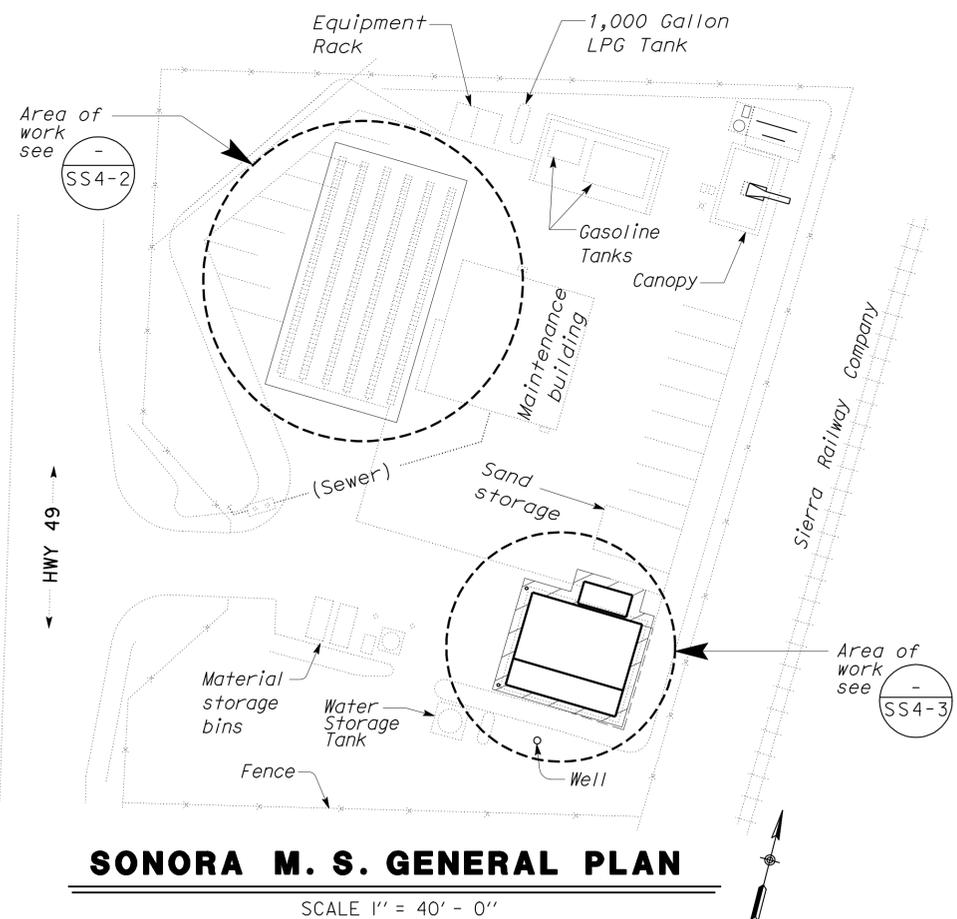
Reviewed by: *Francis Sotich*
 FRANCIS SOTICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA

PROJECT ID
100020669

Reviewed by: *W. Long*
 Date: 01-20-12



APPROVED <i>R.E. Travis</i> DESIGN SUPERVISOR	DESIGN SUPERVISOR <i>Jud Schoff</i> DESIGN ENGINEER <i>Jerome R. Marcotte</i>	DESIGN BY R. E. Schmitz	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS IONE M. S., COULTERVILLE M.S. SONORA M. S., GROVELAND M. S.	GENERAL PLANS	SHEET GP-2
		DETAILS BY R. E. Schmitz	CHECKED Don Hansen			POST MILE X			
QUANTITIES BY R. E. Schmitz	CHECKED Don Hansen								
TAEMWW Imperial Rev. 7/10		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3616 1000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	10	96

Jerome R. Marcotte 01-24-12
 REGISTERED CIVIL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

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BUILDING DATA

THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE

- 2010 TITLE 24 CALIFORNIA BUILDING CODE
- 2008 CALIFORNIA ENERGY EFFICIENCY STANDARDS
- 1991 AMERICANS WITH DISABILITIES ACT STANDARDS
- 2010 CALIFORNIA FIRE CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 2010 CALIFORNIA ENERGY CODE
- 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE

BUILDING NAME	OCCUPANCY GROUP	OCCUPANT LOAD TABLE 1004.1.1	CONST TYPE	NO OF STORIES	HEIGHT	ALLOWABLE AREA	ACTUAL AREA	
(NEW) WASH RACK	S-1	5	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	2,496 SF	3,296 SF TOTAL
(EXISTING) SAND STORAGE	S-1	2	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	800 SF	

BUILDING INFORMATION

FIRE SPRINKLER SYSTEM: NO

FIRE ALARM SYSTEM: NO

OTHER FIRE PROTECTION: NONE

SMOKE CONTROL SYSTEM: NONE

for SONORA M.S. only

BUILDING DATA

THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE

- 2010 TITLE 24 CALIFORNIA BUILDING CODE
- 2008 CALIFORNIA ENERGY EFFICIENCY STANDARDS
- 1991 AMERICANS WITH DISABILITIES ACT STANDARDS
- 2010 CALIFORNIA FIRE CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 2010 CALIFORNIA ENERGY CODE
- 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE

BUILDING NAME	OCCUPANCY GROUP	OCCUPANT LOAD TABLE 1004.1.1	CONST TYPE	NO OF STORIES	HEIGHT	ALLOWABLE AREA	ACTUAL AREA
WASH RACK	S-1	5	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	2,496 SF

BUILDING INFORMATION

FIRE SPRINKLER SYSTEM: NO

FIRE ALARM SYSTEM: NO

OTHER FIRE PROTECTION: NONE

SMOKE CONTROL SYSTEM: NONE

for IONE M.S. only

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
100020669

Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any addition or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

BUILDING DATA

THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE

- 2010 TITLE 24 CALIFORNIA BUILDING CODE
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- 1991 AMERICANS WITH DISABILITIES ACT STANDARDS
- 2010 CALIFORNIA FIRE CODE
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- 2010 CALIFORNIA ENERGY CODE
- 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE

BUILDING NAME	OCCUPANCY GROUP	OCCUPANT LOAD TABLE 1004.1.1	CONST TYPE	NO OF STORIES	HEIGHT	ALLOWABLE AREA	ACTUAL AREA	
(NEW) WASH RACK	S-1	5	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	2,496 SF	6,896 SF TOTAL
(EXISTING) EQUIPMENT BUILDING	S-1	9	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	4,400 SF	

BUILDING INFORMATION

FIRE SPRINKLER SYSTEM: NO

FIRE ALARM SYSTEM: NO

OTHER FIRE PROTECTION: NONE

SMOKE CONTROL SYSTEM: NONE

for GROVELAND M.S. only

BUILDING DATA

THE BUILDING WORK ON THIS PROJECT HAS BEEN DESIGNED TO CONFORM TO THE

- 2010 TITLE 24 CALIFORNIA BUILDING CODE
- 2008 CALIFORNIA ENERGY EFFICIENCY STANDARDS
- 1991 AMERICANS WITH DISABILITIES ACT STANDARDS
- 2010 CALIFORNIA FIRE CODE
- 2010 CALIFORNIA MECHANICAL CODE
- 2010 CALIFORNIA PLUMBING CODE
- 2010 CALIFORNIA ELECTRICAL CODE
- 2010 CALIFORNIA ENERGY CODE
- 2010 CALIFORNIA GREEN BUILDING STANDARDS CODE

BUILDING NAME	OCCUPANCY GROUP	OCCUPANT LOAD TABLE 1004.1.1	CONST TYPE	NO OF STORIES	HEIGHT	ALLOWABLE AREA	ACTUAL AREA	
(NEW) WASH RACK	S-1	5	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	2,496 SF	6,336 SF TOTAL
(EXISTING) EQUIPMENT BUILDING	S-1	9	V-B	I (ALLOWED) I (ACTUAL)	40'-0" (ALLOWED) 24'-0" (ACTUAL)	9,000 SF	3,840 SF	

BUILDING INFORMATION

FIRE SPRINKLER SYSTEM: NO

FIRE ALARM SYSTEM: NO

OTHER FIRE PROTECTION: NONE

SMOKE CONTROL SYSTEM: NONE

for COULTERVILLE M.S. only

DESIGN BY <i>R. E. Schmitz</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS		SHEET
			POST MILE	IONE M. S., COULTERVILLE M.S. SONORA M. S., GROVELAND M. S.	GP-3	
			X	BUILDING DATA		
DETAILS BY <i>R. E. Schmitz</i> CHECKED <i>Don Hansen</i>						
QUANTITIES BY <i>R. E. Schmitz</i> CHECKED <i>Don Hansen</i>						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 1000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
EA 10-0W5401				8-11-11 9-08-11 11-02-11 01-24-12		gp_3.dgn

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ABBREVIATIONS

AB	AGGREGATE BASE	IN	INCH
AC	ASPHALT CONCRETE	JB	JUNCTION BOX
B	BUNG	kW	KILOWATT
BLDG	BUILDING	L	LENGTH
C	CONDUIT	LB	POUND
C-C	CENTER TO CENTER	LS	LANDSCAPE IRRIGATION
CFS	CUBIC FEET PER SECOND	LT	LEFT
CI	CAST IRON	MAX	MAXIMUM
CL	CHAIN LINK	MBV	MOTORIZED BALL VALVE
CMP	CORRUGATED METAL PIPE	MH	MANHOLE
CONC	CONCRETE	MIN	MINIMUM
COTF	CLEANOUT TO FLOOR	(N)	NEW
COTG	CLEANOUT TO GRADE	N	NORTH
CPLG	COUPLING	NB	NORTHBOUND
CW	COLD WATER PIPE	NIC	NOT IN CONTRACT
D	DRAIN	NO	NUMBER
DBH	DIAMETER AT BREAST HEIGHT	OC	ON CENTER
DI	DRAIN INLET	OD	OUTSIDE DIAMETER
DIA	DIAMETER	OG	ORIGINAL GROUND
DP	DRAIN PIPE	P	PITCH
E	ELECTRICAL	PCC	PORTLAND CEMENT CONCRETE
(E)	EXISTING	PH	PHASE
EA	EACH	PRV	PRESSURE REDUCING VALVE
EL	ELEVATION	PVC	POLYVINYL CHLORIDE
EP	EDGE OF PAVEMENT	R	RADIUS
EQ	EQUAL	RCP	REINFORCED CONCRETE PIPE
FOB	FACE OF BUILDING	REQ	REQUIRED
FF	FINISH FLOOR	rpm	REVOLUTIONS PER MINUTE
FG	FINISH GRADE	RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
FL	FLOW LINE	RPU	RECYCLE PROCESS UNIT
FM	FORCE MAIN	RT	RIGHT
FOC	FACE OF CONCRETE	R/W	RIGHT-OF-WAY
FS	FLOW SWITCH	S	SEWER
FT	FEET	SB	SOUTHBOUND
FTR	FLUE THROUGH ROOF	SCH	SCHEDULE
GA	GAUGE	SD	STORM DRAIN
GAC	GRANULAR ACTIVATED CARBON	SP	SEWER PIPE
GAL	GALLON	SQ	SQUARE
GPM	GALLONS PER MINUTE	STA	STATION
GALV	GALVANIZED	STD	STANDARD
GSP	GALVANIZED STEEL PIPE	TBM	TEMPORARY BENCH MARK
GV	GATE VALVE	TOC	TOP OF CONCRETE
GS	GOVERNMENT SERVICE LINE	TOT	TOTAL
H	HEIGHT	TYP	TYPICAL
HF	HOSE FAUCET	VAC	VOLTS AC
HMA	HOT MIX ASPHALT	VCP	VITRIFIED CLAY PIPE
HP	HORSEPOWER	W	WATER
ID	INSIDE DIAMETER	W/O	WITHOUT
IE	INVERT ELEVATION (IN FEET)	WP	WATER PIPE
		WSP	WELDED STEEL PIPE

LEGEND

	FENCE		DETAIL SHEET NUMBER
	SURFACE DRAINAGE	99.00	NEW GRADE IN FEET
	ABANDON	X (100.00)	EXISTING SPOT GRADE IN FEET
	SANITARY SEWER		BENCHMARK ELEVATION
	DRAIN		CENTERLINE
	RETURN DRAIN		DIAMETER
	VENT		SECTION / ELEVATION LETTER SHEET NUMBER
	WATER		TREE
	FORCE MAIN		DIRECTION OF TRAFFIC
	LEACH LINES		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	11	96

Jerome R. Marcotte 01-24-12
 REGISTERED CIVIL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

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 Date: 01-20-12

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 Approval of this plan does not authorize or approve any deviation or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

PIPE FITTINGS AND VALVES

	CAP
	ELBOW, TURNED DOWN
	FLEXIBLE CONNECTOR
	REDUCER, CONCENTRIC
	REDUCER, ECCENTRIC
	PRESSURE GAUGE (WITH VALVE AND SNUBBER)
	UNION
	UNION, INSULATING
	VALVE, BALL
	VALVE, CHECK
	VALVE, GATE
	VALVE, SAFETY RELIEF
	VALVE, PRESSURE REDUCING
	HOSE FAUCET

GENERAL WORK NOTES

The Contractor shall verify all controlling field dimensions and conditions before ordering or fabricating any materials.
 The Contractor shall verify exact location of all underground facilities and utilities prior to start of construction.
 No 90 degree bends allowed on drain or sewer pipe. Where 90 degree bends are shown, use two 45 degree bends

DESIGN BY <i>Amar Baidwan</i> CHECKED <i>Jerry Marcotte</i> DETAILS BY <i>Amar Baidwan</i> CHECKED <i>Don Hansen</i> QUANTITIES BY <i>Amar Baidwan</i> CHECKED <i>Don Hansen</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		BRIDGE NO. X	DISTRICT 10 WASHRACKS			SHEET
					POST MILE X	NOTES, LEGEND & ABBREVIATION			SS0-1
							IONE M. S., COULTERVILLE M.S., SONORA M. S., GROVELAND M. S.		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT PROJECT NUMBER & PHASE: 3616 1000206691

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 8-11-11, 9-08-11, 10-06-11, 11-02-11, 01-24-12

SHEET OF: 11 OF 96

EA 10-0W5401

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	12	96
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP
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PROJECT ID
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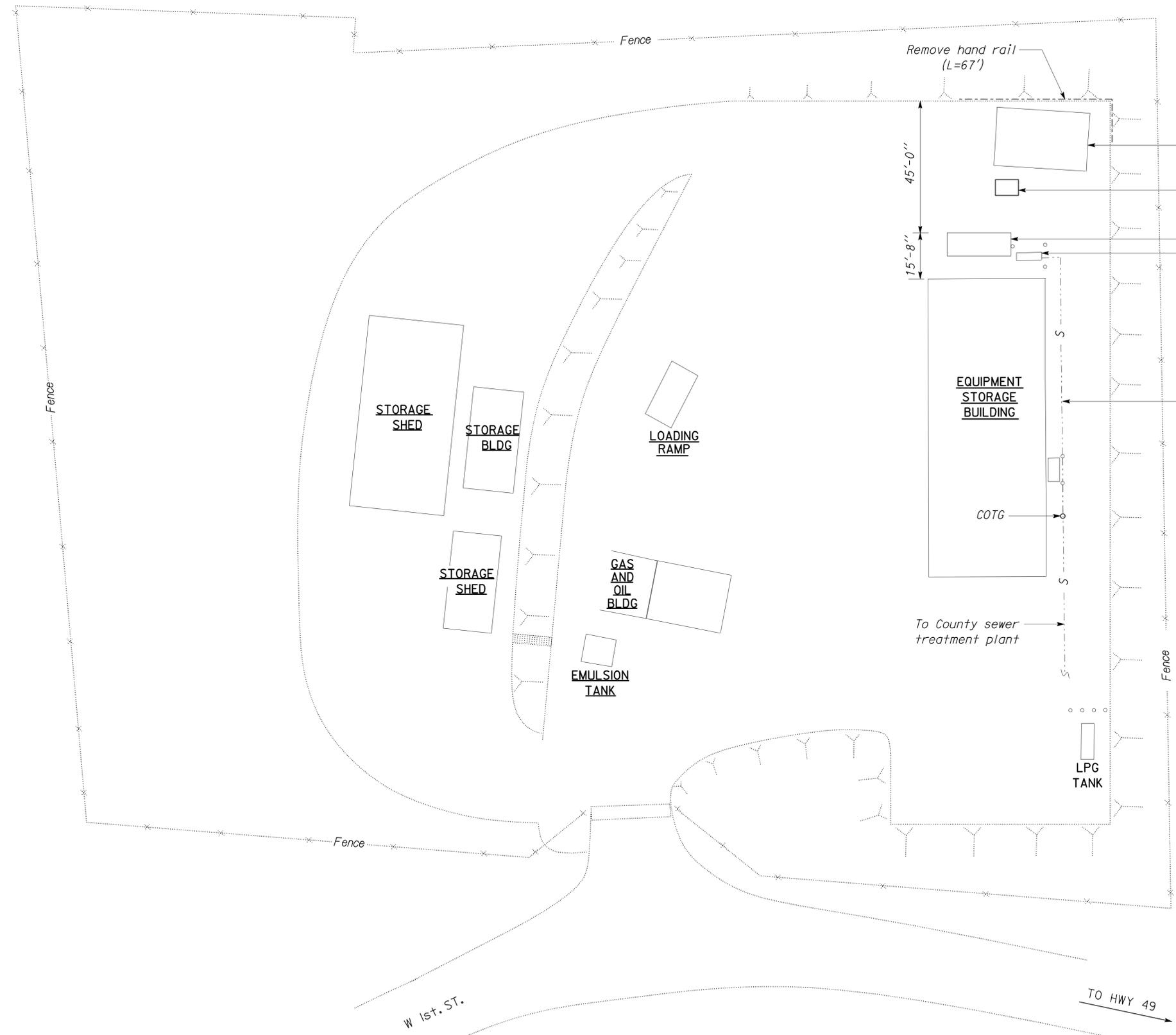
Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
Date: 02-08-12
FRANCIS SOLICH

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



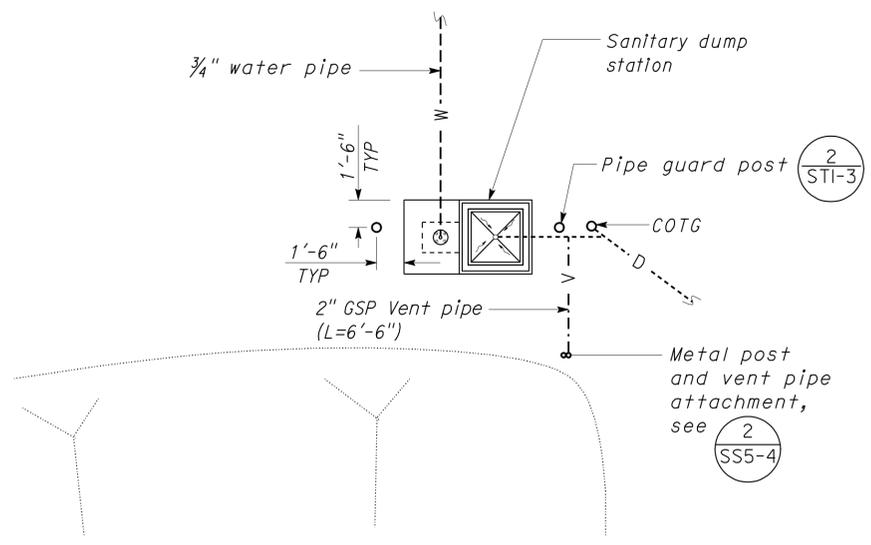
EXISTING SITE PLAN
SCALE 1" = 20'-0"



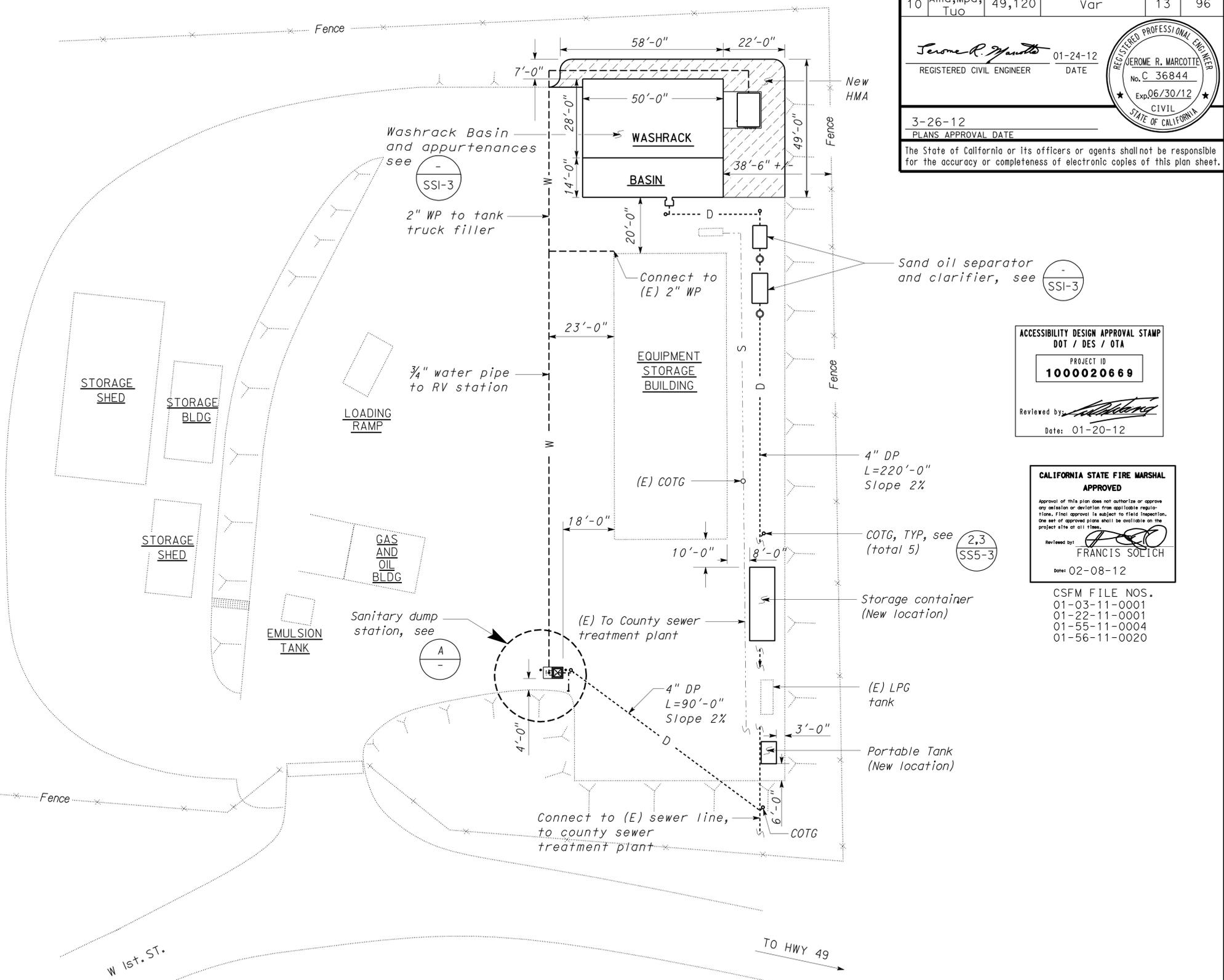
DESIGN BY <i>Amar Baldwan</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 40M5704	DISTRICT 10 WASHRACKS		SHEET	
			POST MILE X	COULTERVILLE M.S.	EXISTING SITE PLAN	SS1-1	
DETAILS BY <i>Amar Baldwan</i> CHECKED <i>Don Hansen</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Amar Baldwan</i> CHECKED <i>Don Hansen</i>			8-11-11 9-08-11 10-06-11 11-02-11 10-24-12			EA 10-0W5401	ss1_1.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	13	96

<i>Jerome R. Marcotte</i>		01-24-12
REGISTERED CIVIL ENGINEER	DATE	
3-26-12		
PLANS APPROVAL DATE		
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A SANITARY DUMP STATION
NO SCALE



MODIFIED SITE PLAN
SCALE 1" = 20' - 0"



CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

DESIGN	BY	Amar Baldwan	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	40M5704	DISTRICT 10 WASHRACKS COULTERVILLE M. S.	MODIFIED SITE PLAN	SHEET SS1-2	
	DETAILS	BY	Amar Baldwan	CHECKED			Don Hansen	POST MILE				X
	QUANTITIES	BY	Amar Baldwan	CHECKED			Don Hansen	UNIT PROJECT NUMBER & PHASE				3616 10000206691
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	EA 10-0W5401	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	27-MAR-2012 05:53		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	14	96

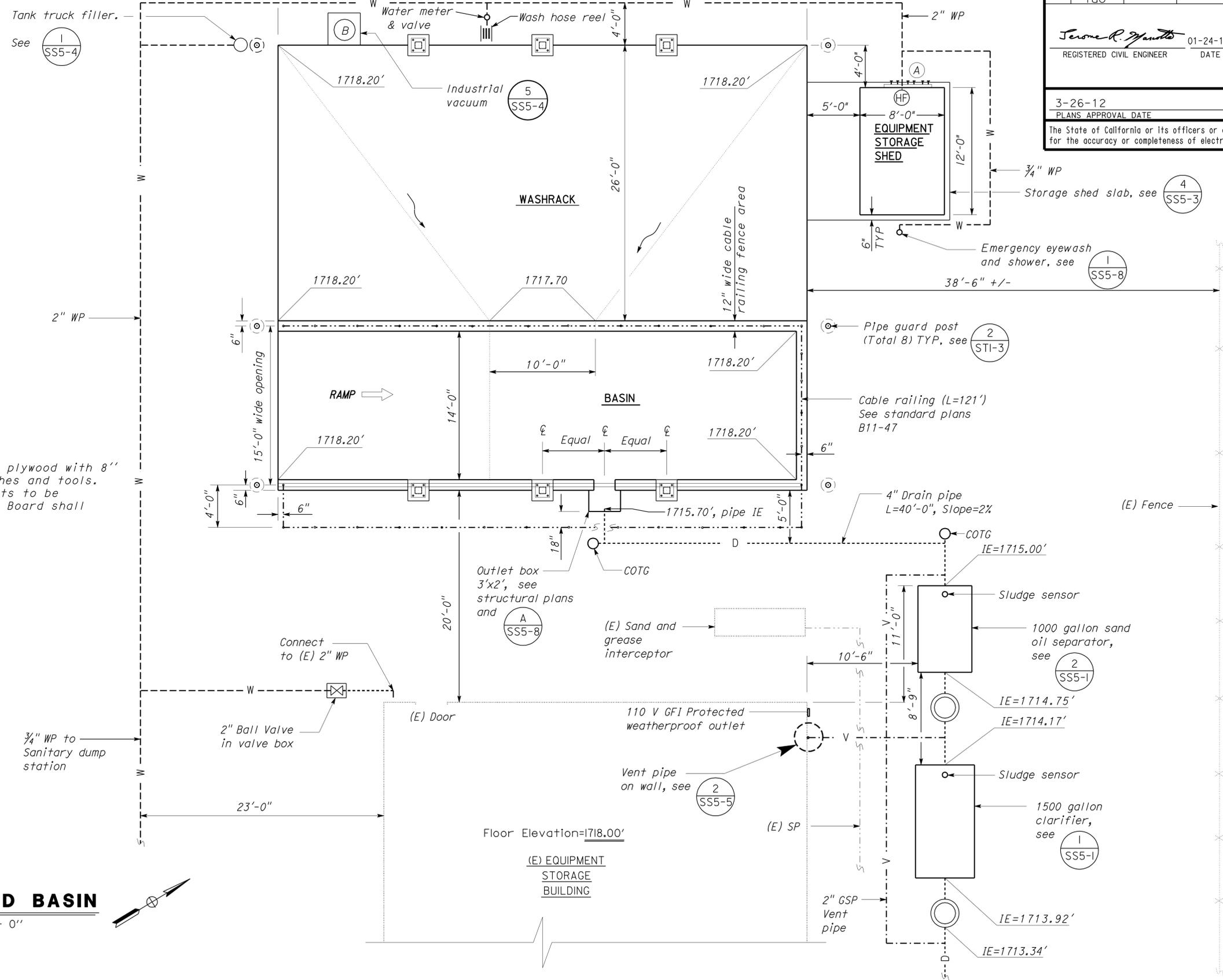
01-24-12 DATE	3-26-12 PLANS APPROVAL DATE
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
1000020669
Reviewed by:
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any addition or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

- Notes:
- Slope away from washrack and basin. see (3) SS5-5
 - Attach all the signs as shown on details.
 - (A) Tool rack. Tool rack shall be 6'x 2'x3/4", plywood with 8" galvanized lag bolts to hold shovel, brushes and tools. Length of board and placement of lag bolts to be determined in the field by the engineer. Board shall be painted to match building.
 - (B) Industrial Vacuum cleaner



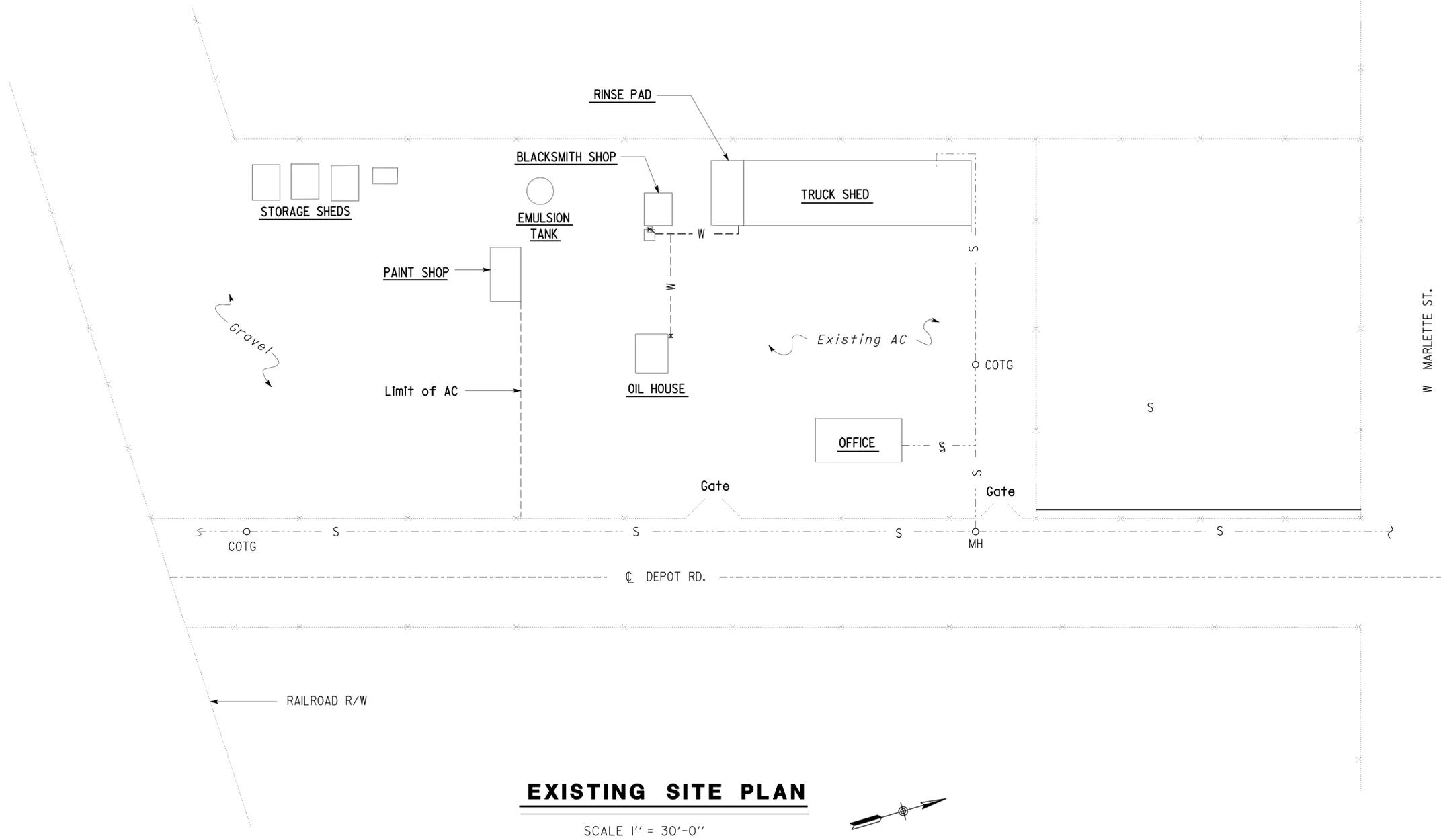
WASHRACK AND BASIN
SCALE 1" = 5' - 0"

DESIGN	BY Amar Baldwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baldwan	CHECKED Don Hansen
QUANTITIES	BY Amar Baldwan	CHECKED Don Hansen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO. 40M5704	DISTRICT 10 WASHRACKS		SHEET
POST MILE X	COULTERVILLE M. S.	WASHRACK & BASIN	SS1-3

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	15	96
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1000020669

Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

DESIGN	BY Amar Baldwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baldwan	CHECKED Don Hansen
QUANTITIES	BY Amar Baldwan	CHECKED Don Hansen

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

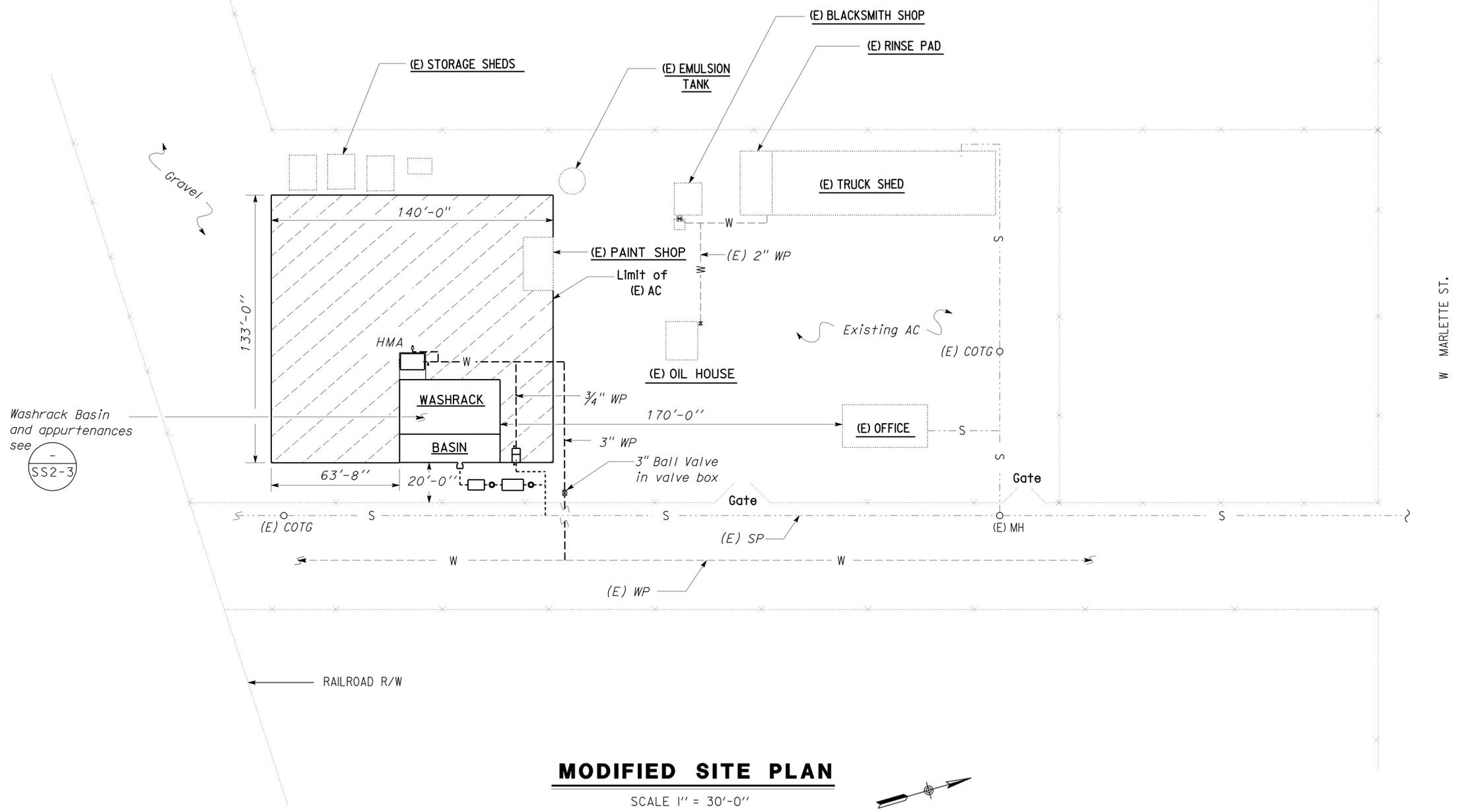
BRIDGE NO. 26M5709
POST MILE X

DISTRICT 10 WASHRACKS
IONE M.S.
EXISTING SITE PLAN

SHEET OF
SS2-1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	16	96

Jerome R. Marcotte
 REGISTERED CIVIL ENGINEER
 DATE 01-24-12
 PLANS APPROVAL DATE 3-26-12
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



MODIFIED SITE PLAN
SCALE 1" = 30'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
1000020669
 Reviewed by: *[Signature]*
 Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
FRANCIS SOLICH
 Date: 02-08-12

- CSFM FILE NOS.
- 01-03-11-0001
 - 01-22-11-0001
 - 01-55-11-0004
 - 01-56-11-0020

DESIGN	BY Amar Baldwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baldwan	CHECKED Don Hansen
QUANTITIES	BY Amar Baldwan	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	26M5709
POST MILE	X

DISTRICT 10 WASHRACKS
 IONE M.S.
 MODIFIED SITE PLAN

SHEET
SS2-2

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	17	96

Approved by: <i>Francis Solich</i> FRANCIS SOLICH Date: 02-08-12	Reviewed by: <i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER No. C 36844 Exp. 06/30/12 CIVIL STATE OF CALIFORNIA
01-24-12	DATE
3-26-12	PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED

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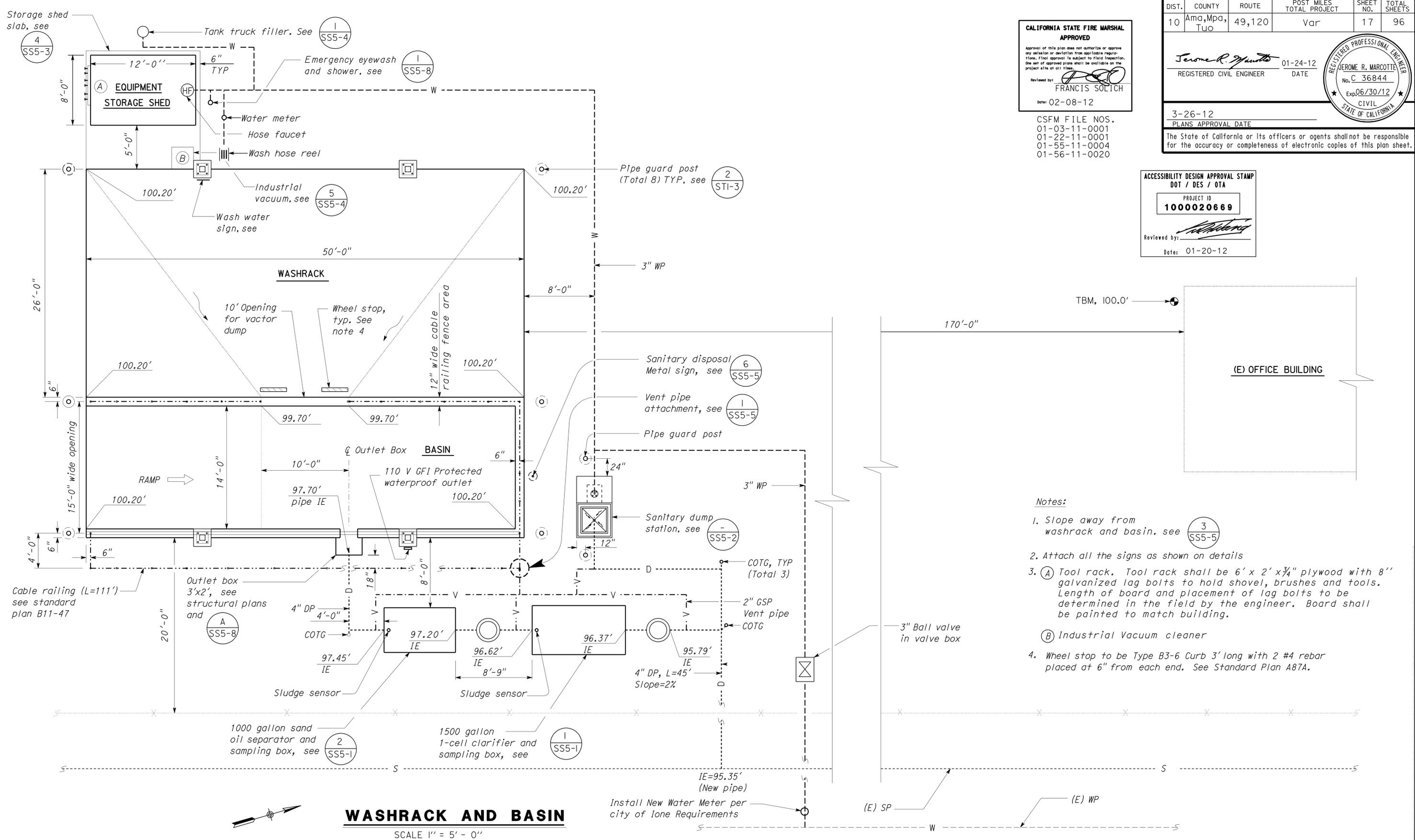
Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA

PROJECT ID
100020669

Reviewed by: *[Signature]*
 Date: 01-20-12



Notes:

- Slope away from washrack and basin. see (3) SS5-5
- Attach all the signs as shown on details
- (A) Tool rack. Tool rack shall be 6' x 2' x 3/4" plywood with 8" galvanized lag bolts to hold shovel, brushes and tools. Length of board and placement of lag bolts to be determined in the field by the engineer. Board shall be painted to match building.
 (B) Industrial Vacuum cleaner
- Wheel stop to be Type B3-6 Curb 3' long with 2 #4 rebar placed at 6" from each end. See Standard Plan A87A.

WASHRACK AND BASIN

SCALE 1" = 5' - 0"

DESIGN	BY Amar Baldwan	CHECKED Jerry Marcotte
DETAILS	BY Amar Baldwan	CHECKED Don Hansen
QUANTITIES	BY Amar Baldwan	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.
 26M5709
 POST MILE
 X

DISTRICT 10 WASHRACKS

IONE M. S.
 WASHRACK AND BASIN

SHEET
SS2-3

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	18	96

Jerome R. Marcotte
 REGISTERED CIVIL ENGINEER
 DATE 01-24-12

3-26-12
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
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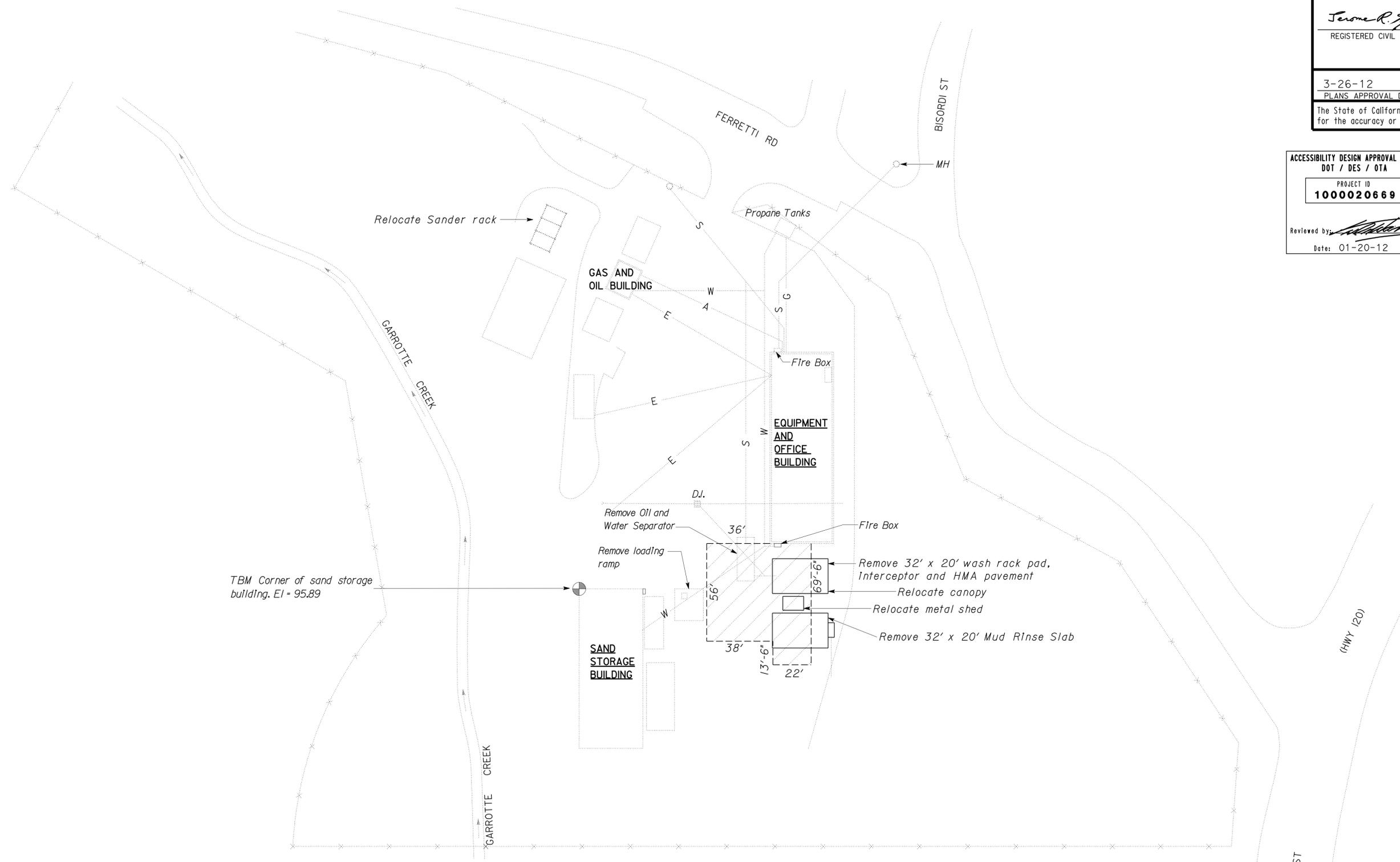
Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
Date: 02-08-12
FRANCIS SOLICH

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



EXISTING SITE PLAN

SCALE 1"=30'-0"

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DESIGN BY <i>R. E. Schmitz</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 32M5708	DISTRICT 10 WASHRACKS GROVELAND MS.	SHEET OF SS3-1
	DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Don Hansen</i>			POST MILE X		
QUANTITIES BY <i>R. E. Schmitz</i> CHECKED <i>Don Hansen</i>	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	EA 10-OW5401	ss3_1.dgn	27-MAR-2012 05:53

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	20	96
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1000020669

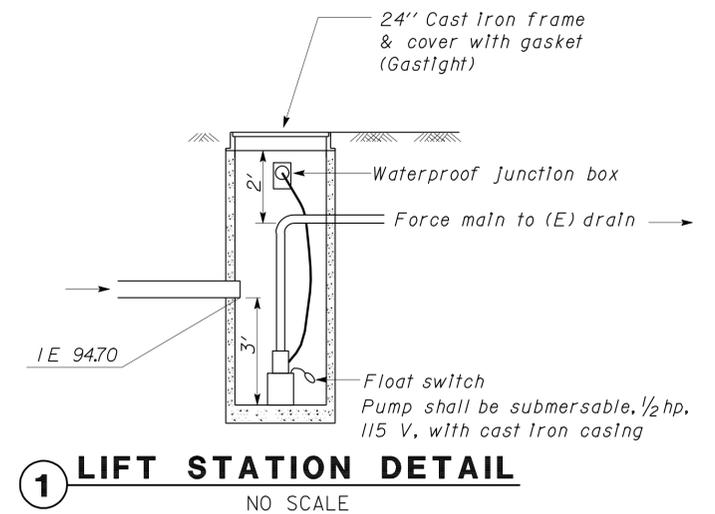
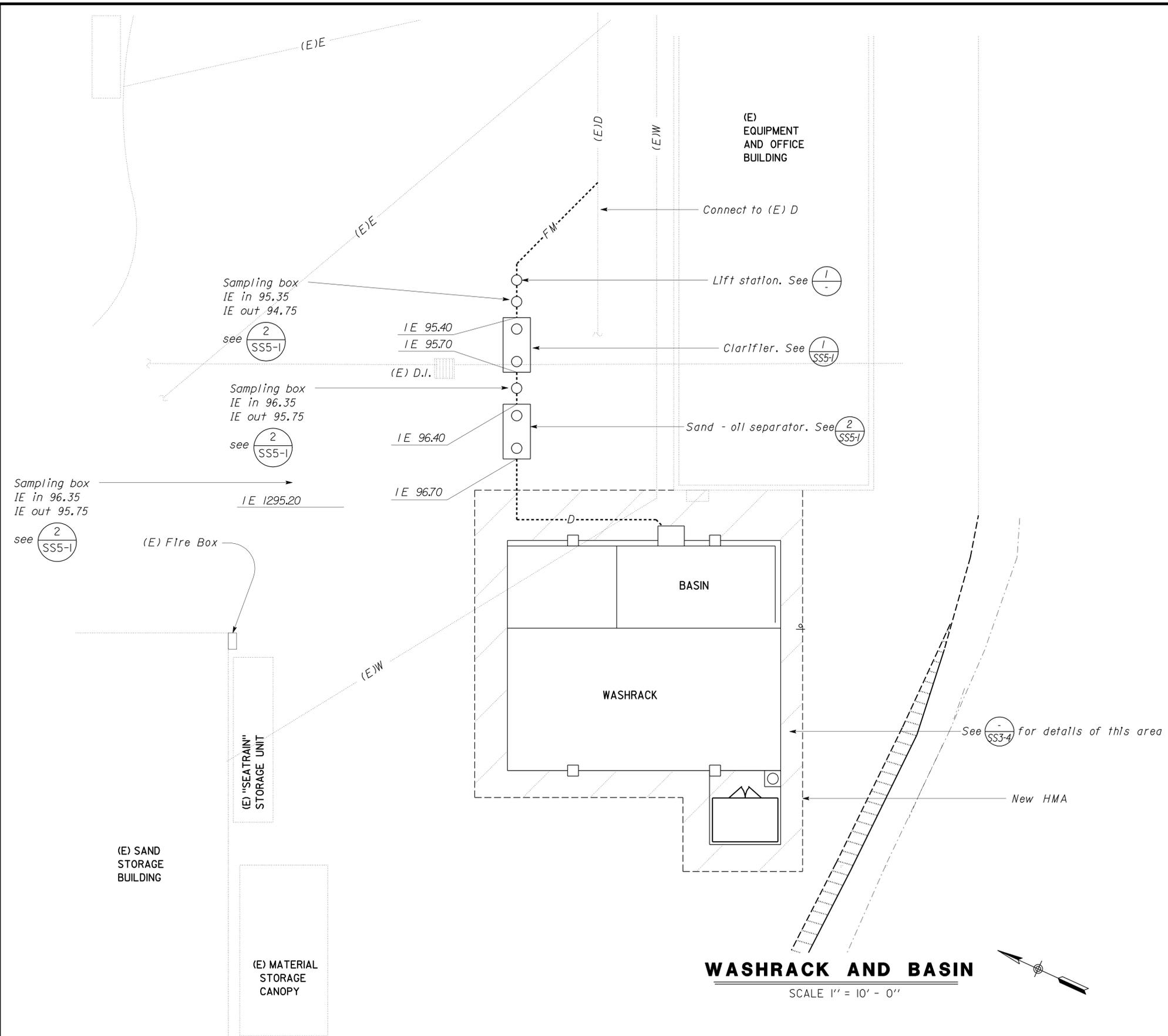
Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL
APPROVED

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



WASHRACK AND BASIN
SCALE 1" = 10' - 0"

TAEMWW Imperial Rev. 7/10	DESIGN	BY <i>R. E. Schmitz</i>	CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS		SHEET
	DETAILS	BY <i>J.R. Stangl</i>	CHECKED <i>Don Hansen</i>			32M5708	GROVELAND MS.	MODIFIED SITE PLAN	SS3-3
	QUANTITIES	BY <i>R. E. Schmitz</i>	CHECKED <i>Don Hansen</i>			POST MILE			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT PROJECT NUMBER & PHASE		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
0 1 2 3				3616 10000206691		8-11-11 9-08-11 10-06-11 10-20-11 10-24-12		SHEET OF	
				EA 10-OW5401				27-MAR-2012 05:53	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tu	49,120	Var	21	96

<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER No. C 36844 Exp. 06/30/12 CIVIL STATE OF CALIFORNIA	
01-24-12	DATE
3-26-12	PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
1000020669
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CALIFORNIA STATE FIRE MARSHAL
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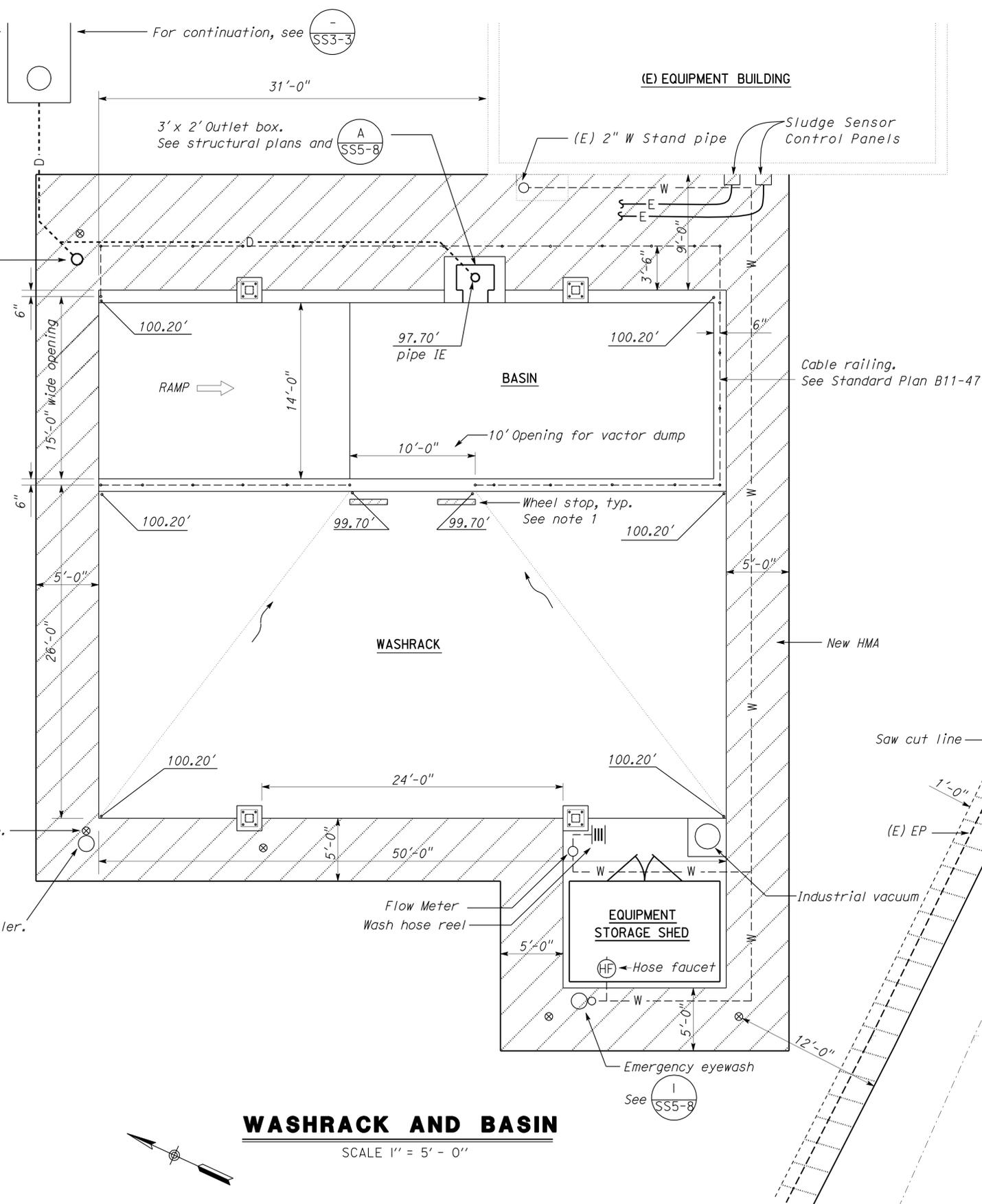
CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

1000 gallon sand oil separator, see $\text{\textcircled{2}}_{SS5-1}$

COTG See $\text{\textcircled{2}}_{SS5-3}$ typ.

Pipe guard post, typ. See $\text{\textcircled{2}}_{STI-3}$

Tank truck filler. See $\text{\textcircled{1}}_{SS5-4}$



Notes:
 1. Wheel stop to be Type B3-6 Curb 3' long with 2 #4 rebar placed at 6" from each end. See Standard Plan A87A.

WASHRACK AND BASIN
 SCALE 1" = 5' - 0"

DESIGN	BY R. E. Schmitz	CHECKED Jerry Marcotte
DETAILS	BY J. R. Stangl	CHECKED Don Hansen
QUANTITIES	BY R. E. Schmitz	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	32M5708
POST MILE	X

DISTRICT 10 WASHRACKS
 GROVELAND MS.
WASHRACK AND BASIN

SHEET **SS3-4**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	22	96

Jerome R. Marcotte 01-24-12
 REGISTERED CIVIL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

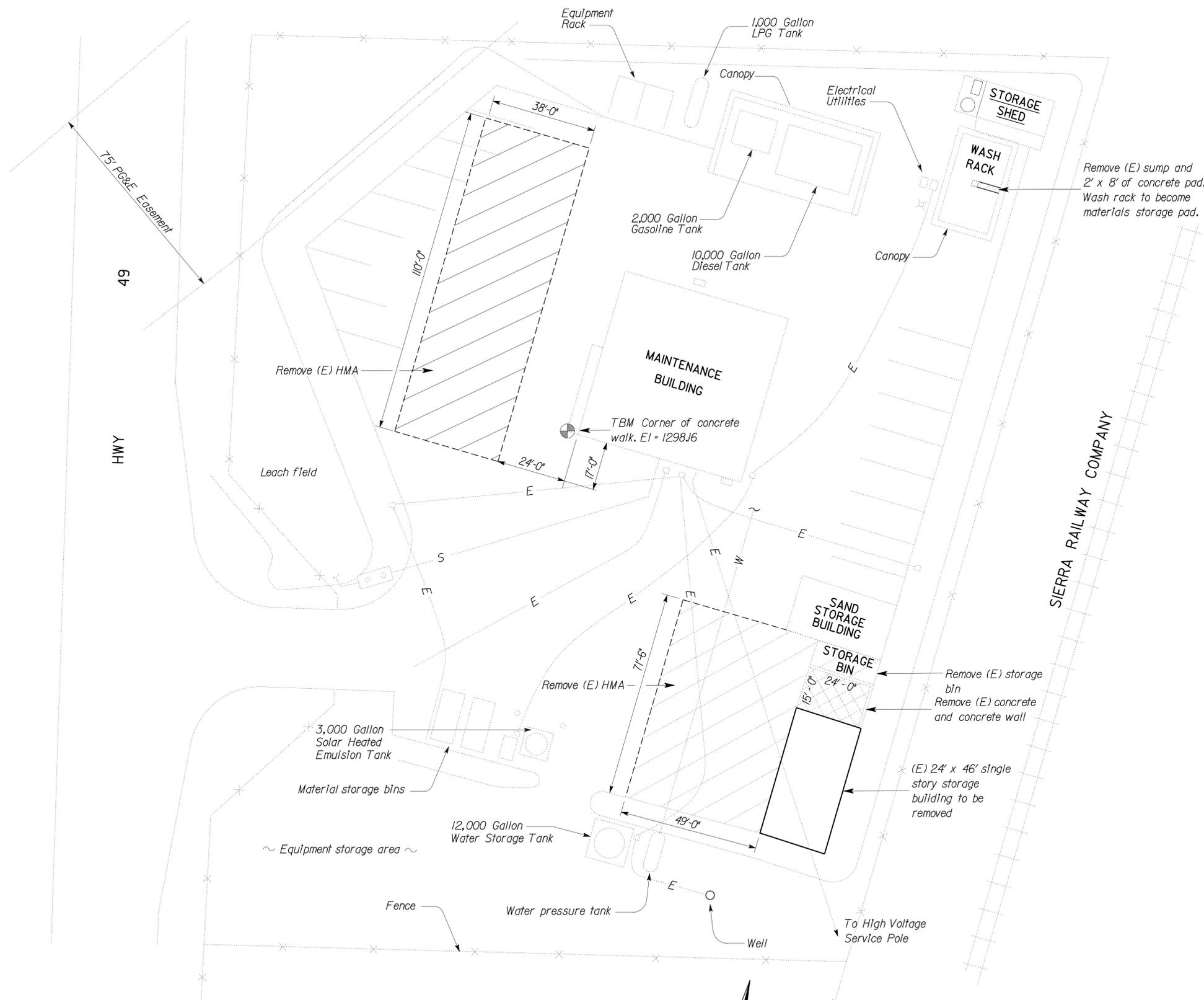
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ACCESSIBILITY DESIGN APPROVAL STAMP
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 PROJECT ID
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CALIFORNIA STATE FIRE MARSHAL
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FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



EXISTING SITE PLAN

SCALE 1"=20'-0"



DESIGN	BY R. E. Schmitz	CHECKED Jerry Marcotte
DETAILS	BY J. R. Stangl	CHECKED Don Hansen
QUANTITIES	BY R. E. Schmitz	CHECKED Don Hansen

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	32M5724
POST MILE	X

DISTRICT 10 WASHRACKS
 SONORA M.S.
 EXISTING SITE PLAN

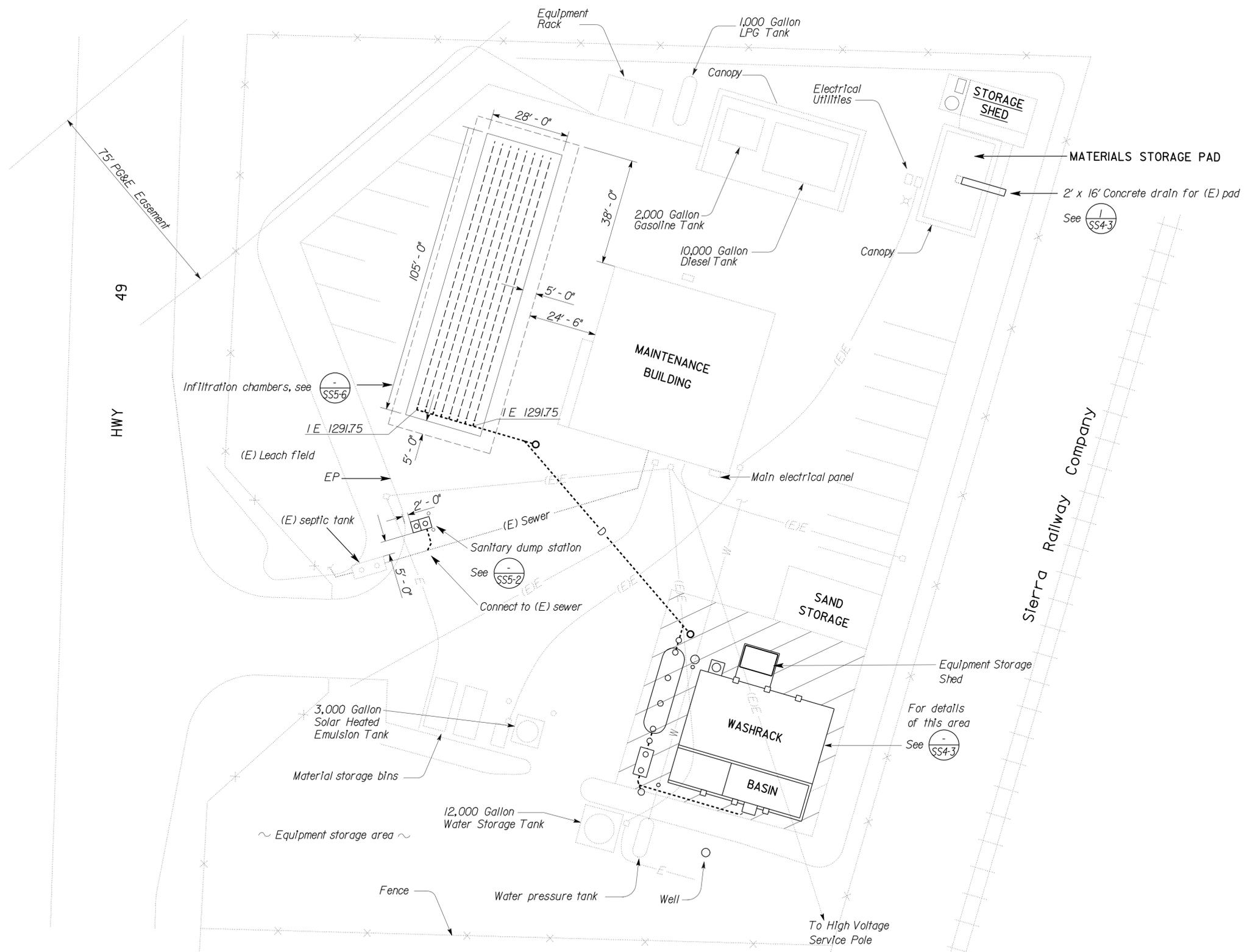
SHEET
SS4-1

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	23	96

Jerome R. Marcotte 01-24-12
 REGISTERED CIVIL ENGINEER DATE

3-26-12
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
100020669
 Reviewed by: *[Signature]*
 Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

MODIFIED SITE PLAN
 SCALE 1" = 20' - 0"

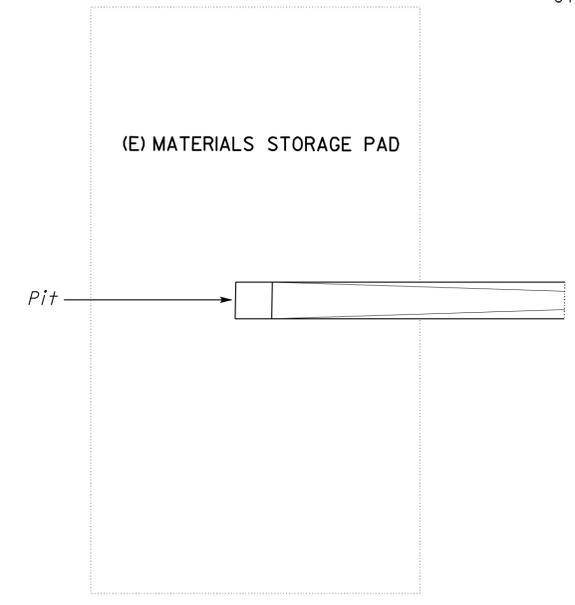
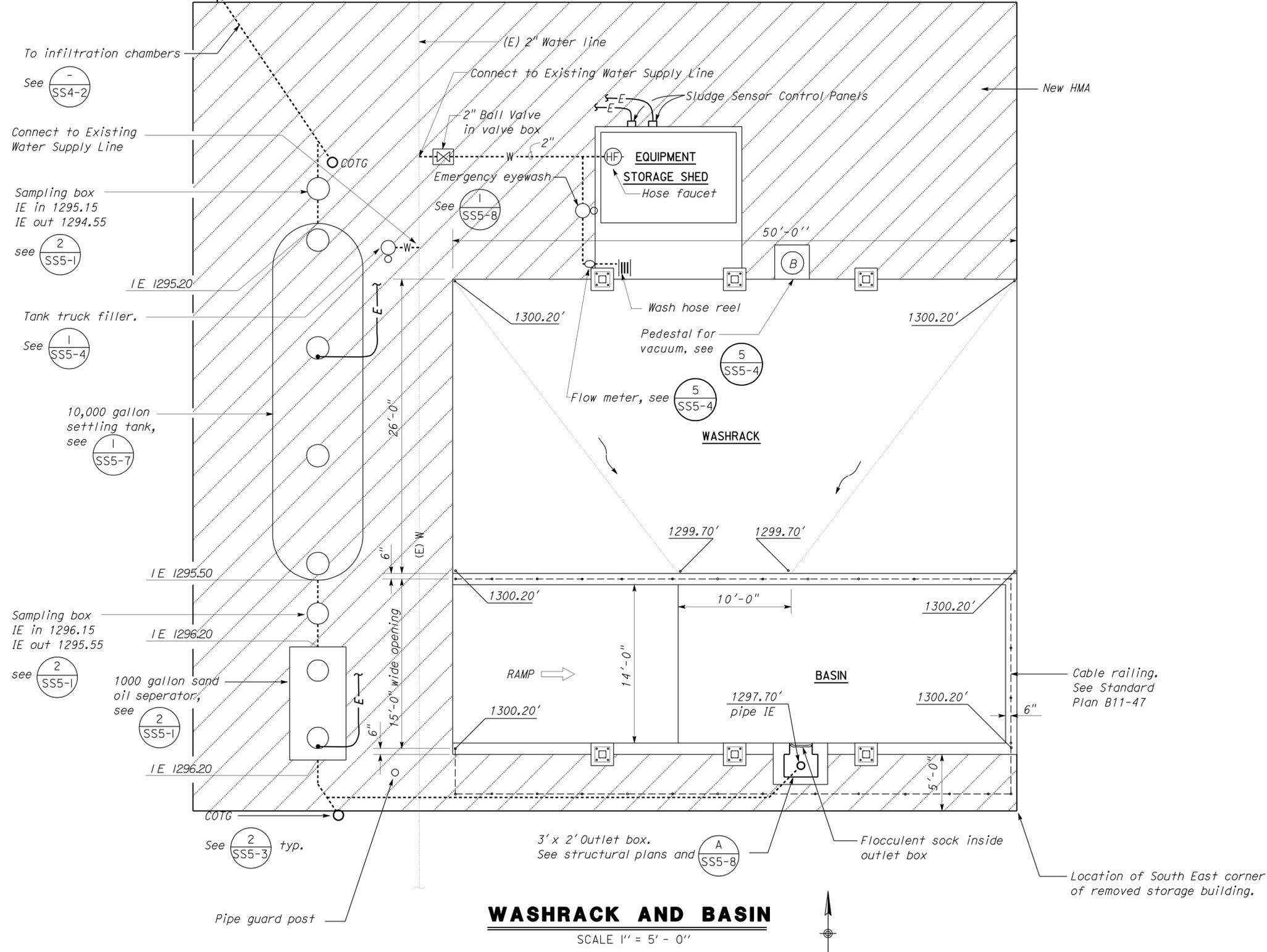


NOTE:
 Contractor to verify location of underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of construction.

TAEMWW Imperial Rev. 7/10	DESIGN BY <i>R. E. Schmitz</i> CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 32M5724	DISTRICT 10 WASHRACKS SONORA M.S.	SHEET SS4-2
	DETAILS BY <i>J.R. Stangl</i> CHECKED <i>Don Hansen</i>			POST MILE X		
	QUANTITIES BY <i>R. E. Schmitz</i> CHECKED <i>Don Hansen</i>			UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 8-11-11 9-08-11 10-06-11 10-24-12

27-MAR-2012 07:35
 ss4_2.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuó	49,120	Var	24	96
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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Notes:

Fill pit with backfill material. Top 4" to be concrete with 4" x 4" wire mesh.

Construct 2' x 16' gutter with 4" thick concrete with 4" x 4" wire mesh. Grade to drain. Slopes may not exceed 2%.

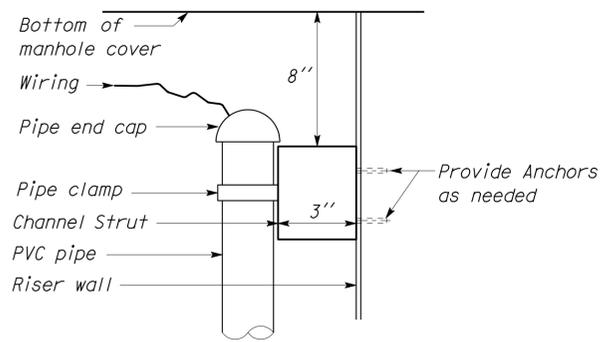
MATERIALS STORAGE PAD DRAIN DETAIL

1 SCALE 1" = 5' - 0"

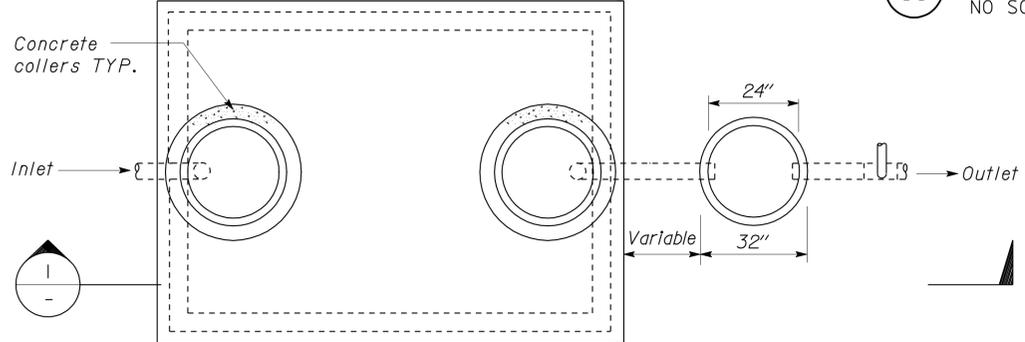
DESIGN BY <i>R. E. Schmitz</i>	CHECKED <i>Jerry Marcotte</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 32M5724	DISTRICT 10 WASHRACKS		SHEET OF SS4-3
				POST MILE X	SONORA M.S.	WASHRACK AND BASIN	
DETAILS BY <i>J.R. Stangl</i>	CHECKED <i>Don Hansen</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES BY <i>R. E. Schmitz</i>	CHECKED <i>Don Hansen</i>			8-11-11 9-08-11 10-06-11 10-24-12		SHEET	OF

Notes:

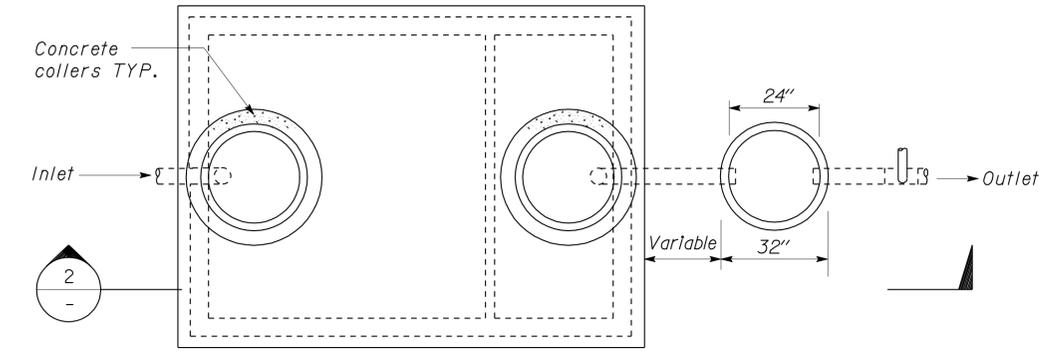
1. Tank dimensions to be per manufacturer.
2. Install one oil absorbent pillow in the first chamber of sand-oil separator and, one in the clarifier.
3. Anchor straps, connectors, and deadmen to be approved by tank manufacturer for use with tank.
4. For electrical, see EE-sheets. Follow tank manufacturer's instructions for riser wall openings.
5. Contractor to verify location of underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.



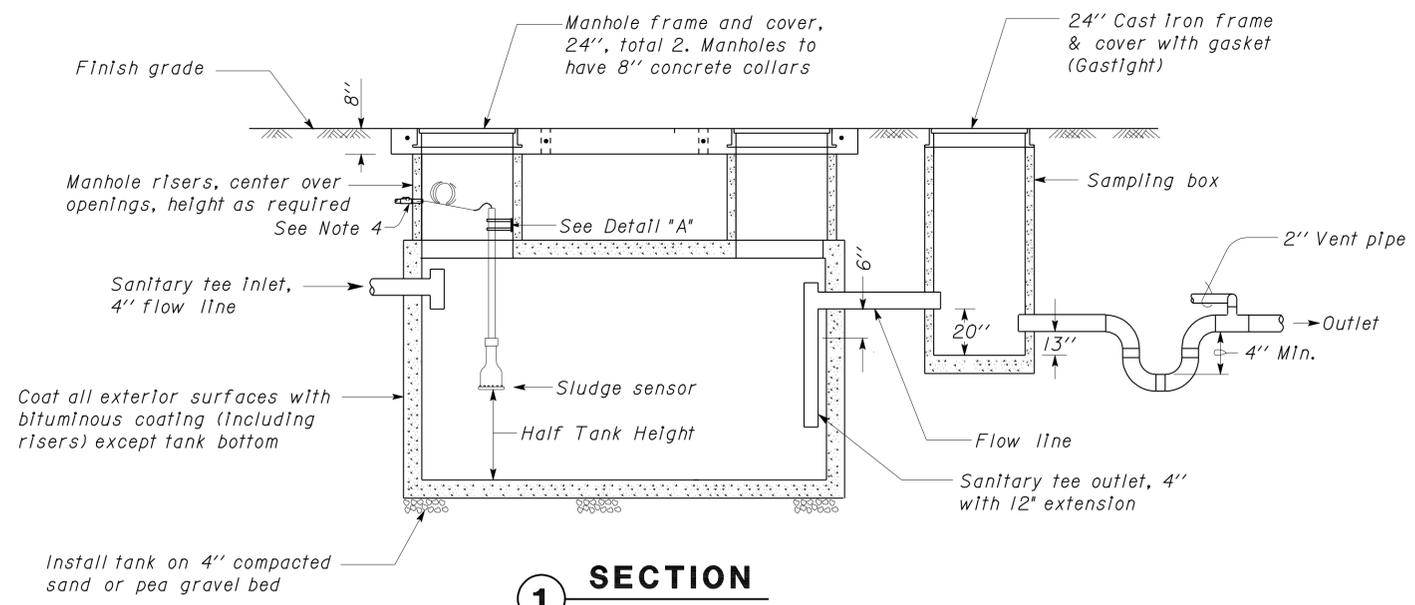
A **DETAIL**
NO SCALE



PLAN



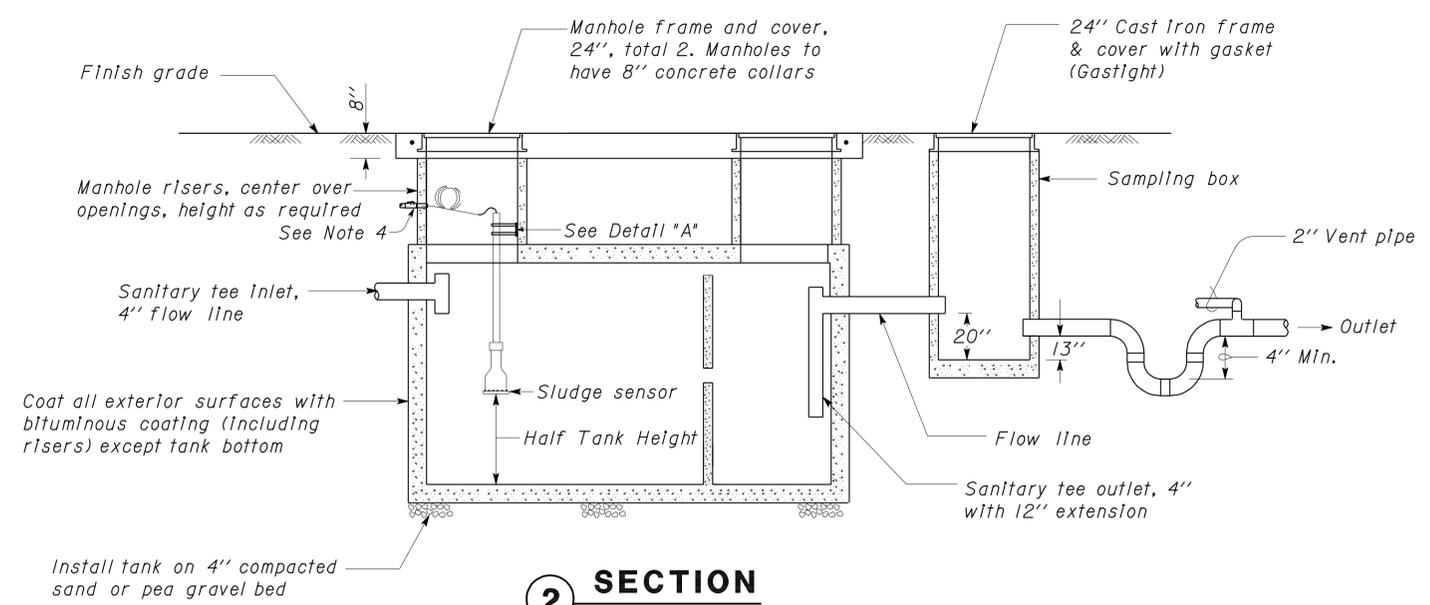
PLAN



1 **SECTION**

1500 GALLON CLARIFIER TANK

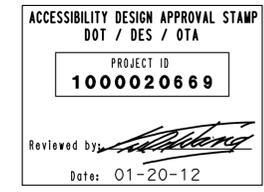
NO SCALE



2 **SECTION**

1000 GALLON SAND-OIL SEPARATOR

NO SCALE



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	25	96

REGISTERED CIVIL ENGINEER	DATE
<i>Jerome R. Marcotte</i>	01-24-12
3-26-12	PLANS APPROVAL DATE

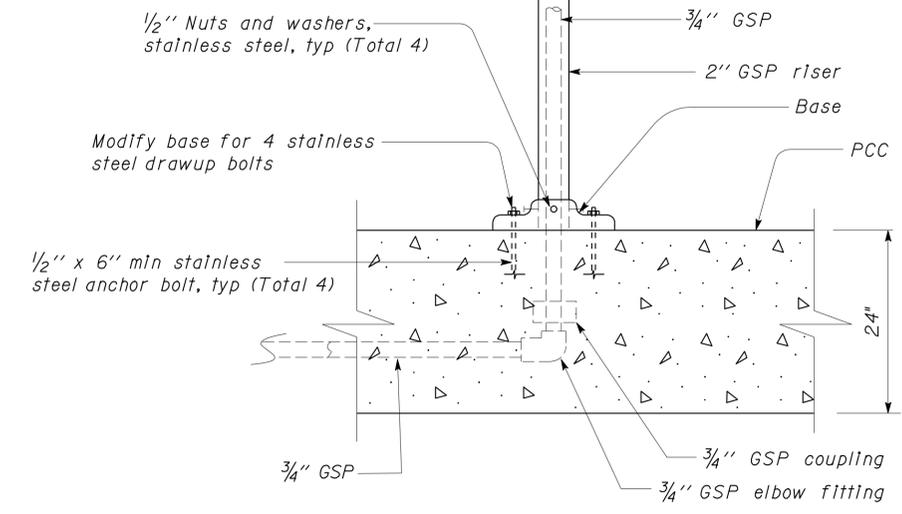
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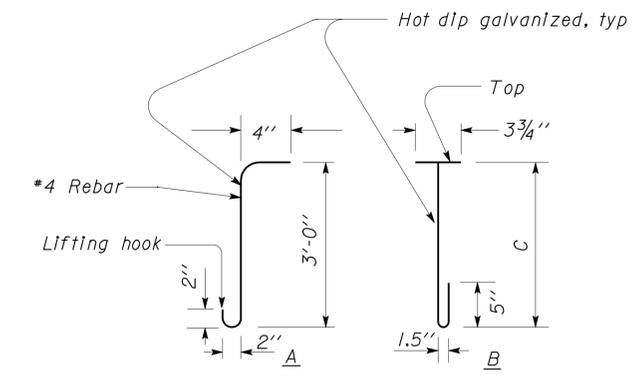
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuco	49,120	Var	26	96

<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER DATE 01-24-12		
PLANS APPROVAL DATE 3-26-12		

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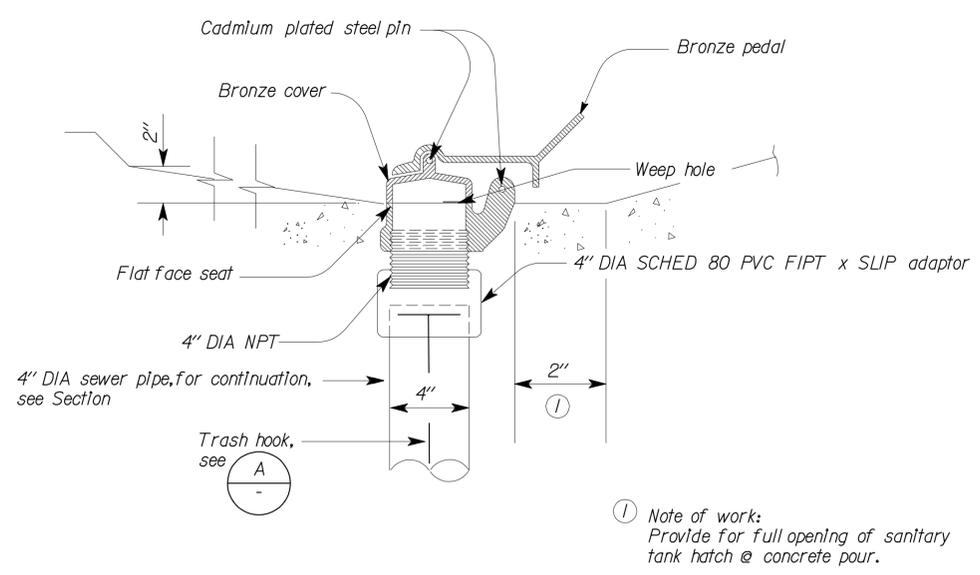


3 WATER TOWER BASE
NO SCALE



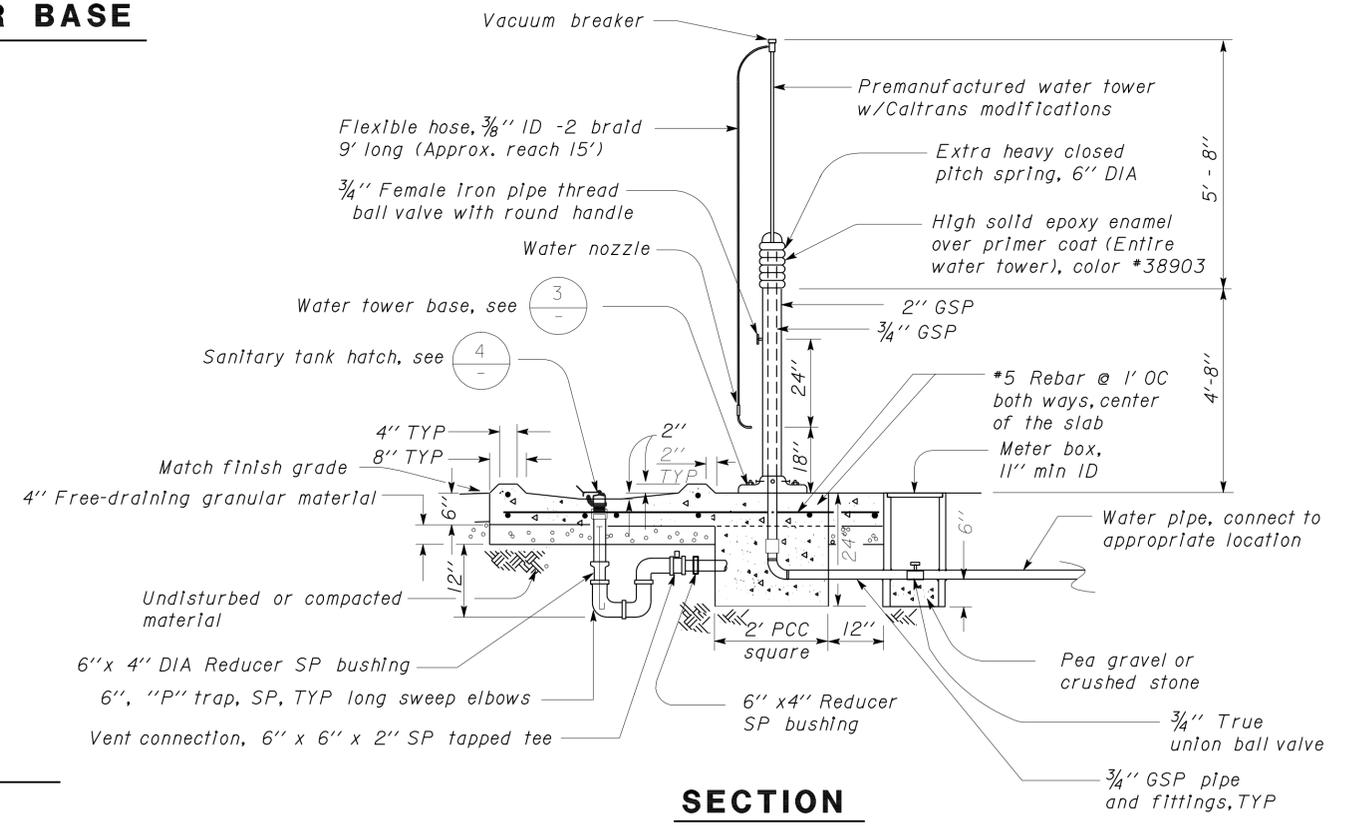
A LIFTING HOOK/TRASH HOOK
NO SCALE

- NOTES**
- A. Deliver lift hook to Engineer @ the Jobsite.
 - B. Install in sanitary station dump.
 - C. Length to be set in field. Set top 6" below hatch opening.

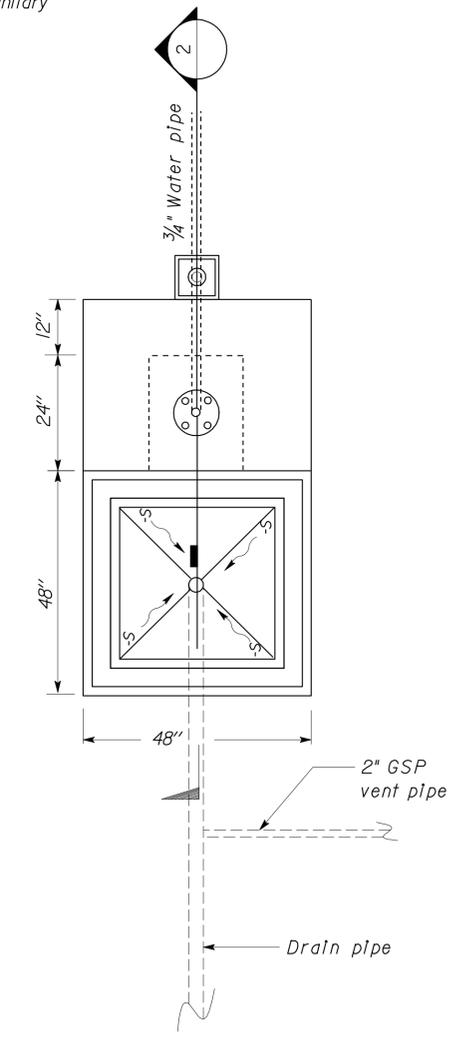


4 SANITARY TANK HATCH
NO SCALE

① Note of work:
Provide for full opening of sanitary tank hatch @ concrete pour.



2 WATER TOWER
NO SCALE



1 SANITARY DUMP STATION
NO SCALE

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1000020669

Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any addition or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12

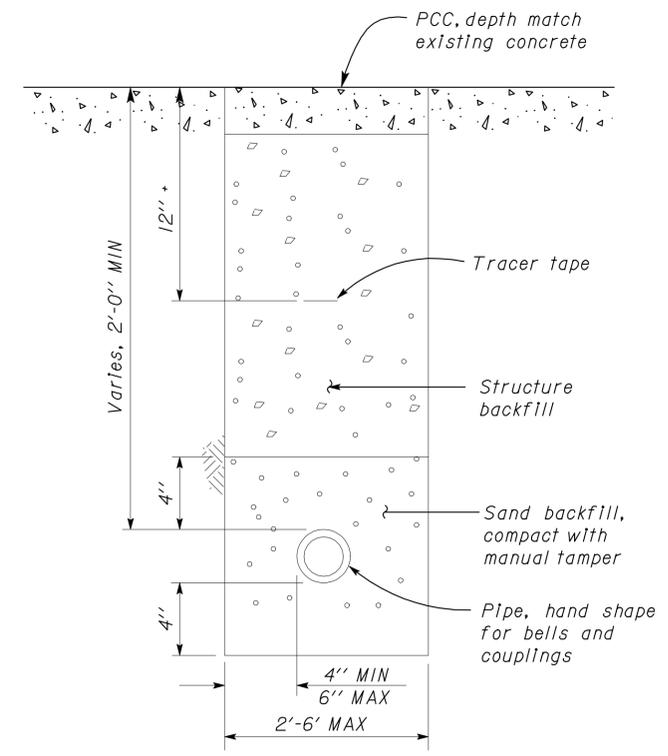
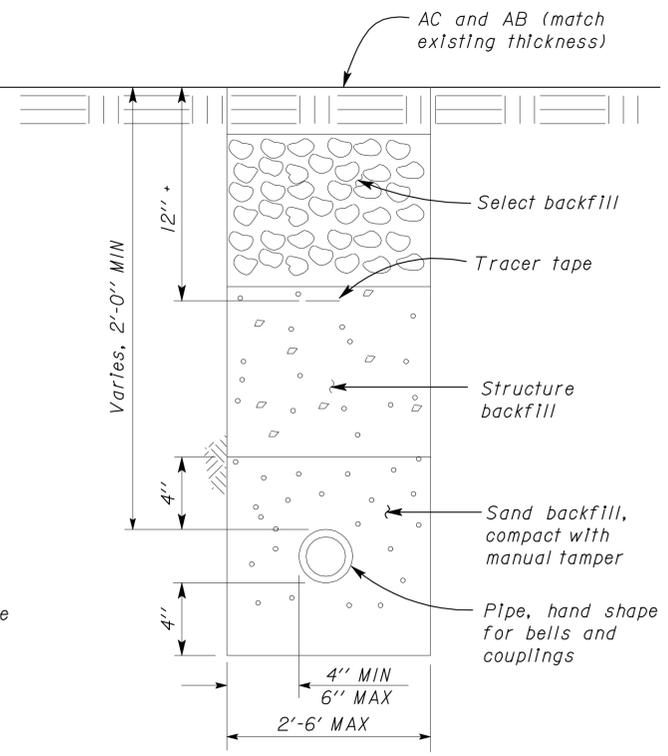
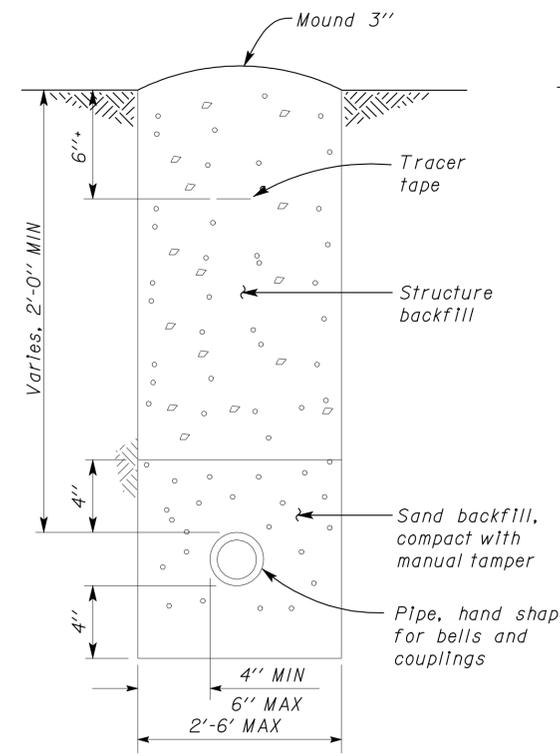
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01-22-11-0001
01-55-11-0004
01-56-11-0020

DESIGN	BY	Amar Baidwan	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET	
	DETAILS	BY	Amar Baidwan	CHECKED			Don Hansen			POST MILE
QUANTITIES	BY	Amar Baidwan	CHECKED	Don Hansen	UNIT PROJECT NUMBER & PHASE	10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3			8-11-11 10-6-11 11-02-11 101-24-12		

TAEMWW Imperial Rev. 7/10
EA 10-0W5401
27-MAR-2012 07:35
ss5_2.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	27	96

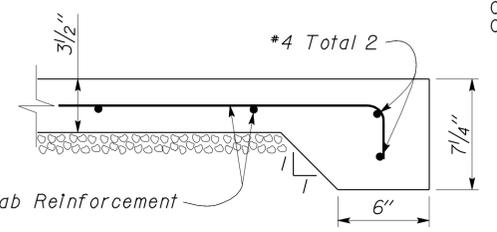
01-24-12
 REGISTERED CIVIL ENGINEER DATE
 3-26-12
 PLANS APPROVAL DATE
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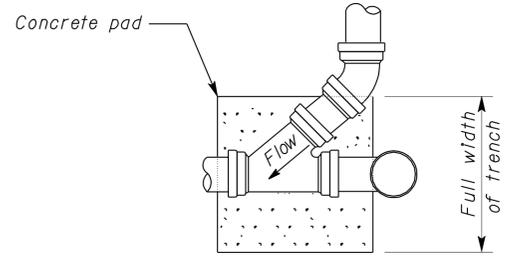
1 UNDERGROUND SEWER PIPE
NO SCALE



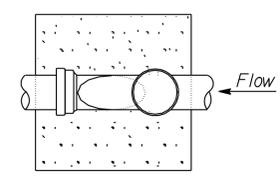
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 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



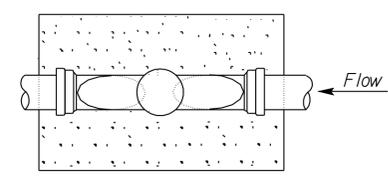
4 STORAGE SHED SLAB DETAIL
NO SCALE



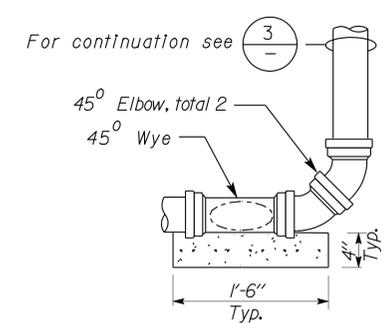
PLAN



PLAN

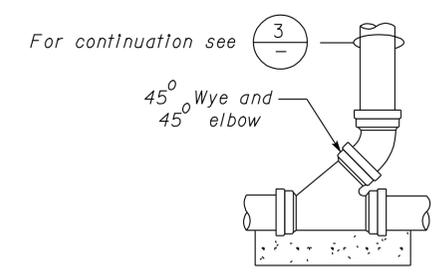


PLAN



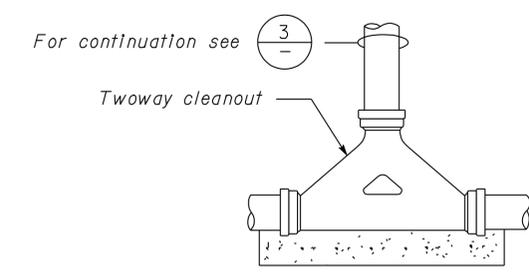
ELEVATION

CLEANOUT (AT BEND)



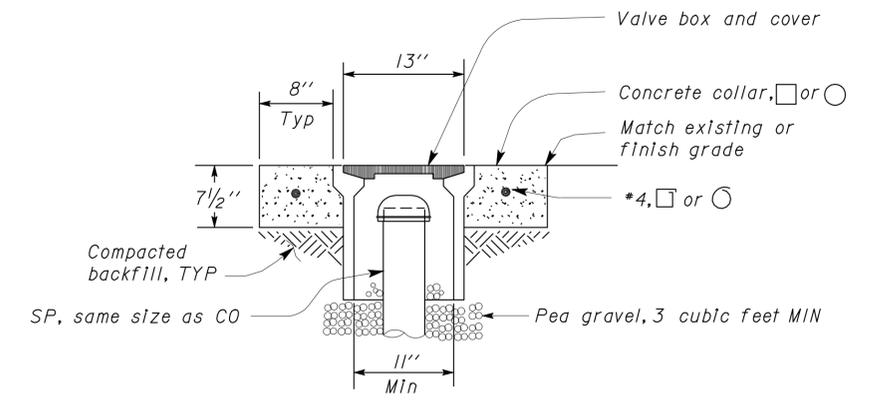
ELEVATION

2 CLEANOUT (STANDARD) CLEANOUT TO GRADE - GRAVITY



ELEVATION

TWO-WAY CLEANOUT



3 COTG ACCESS BOX
NO SCALE

Note:
Concrete pad shown typical for all cleanouts.

DESIGN BY Amar Baldwan CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET
			POST MILE X		DETAILS-I
DETAILS BY Amar Baldwan CHECKED Don Hansen	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Amar Baldwan CHECKED Don Hansen	EA 10-OW5401	6-11-11 10-6-11 11-02-11 01-24-12			27-MAR-2012 07:35

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	28	96

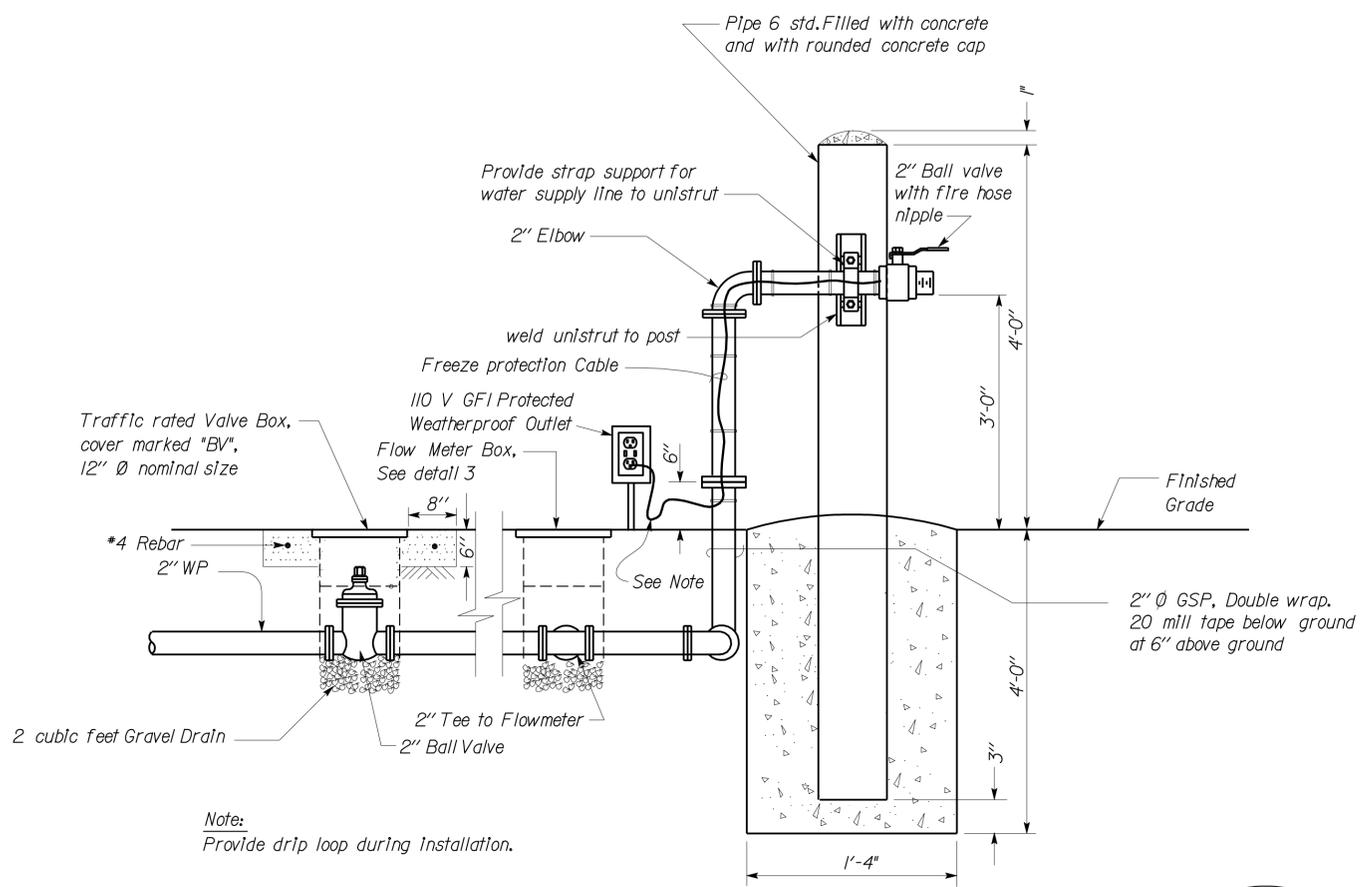
<i>Jerome R. Marcotte</i>		01-24-12
REGISTERED CIVIL ENGINEER	DATE	

3-26-12
PLANS APPROVAL DATE

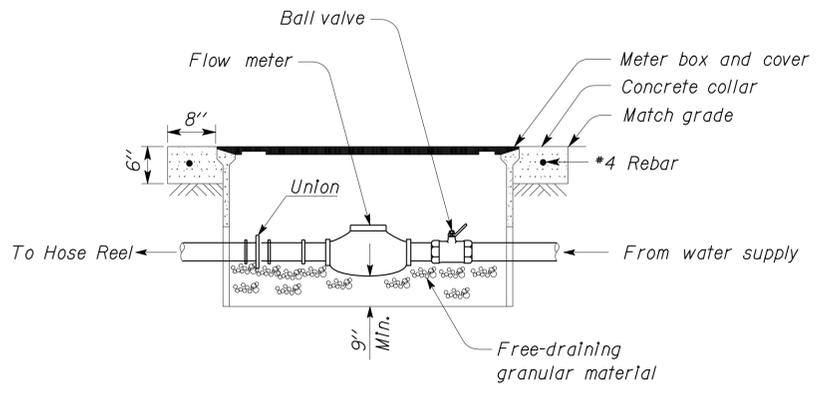
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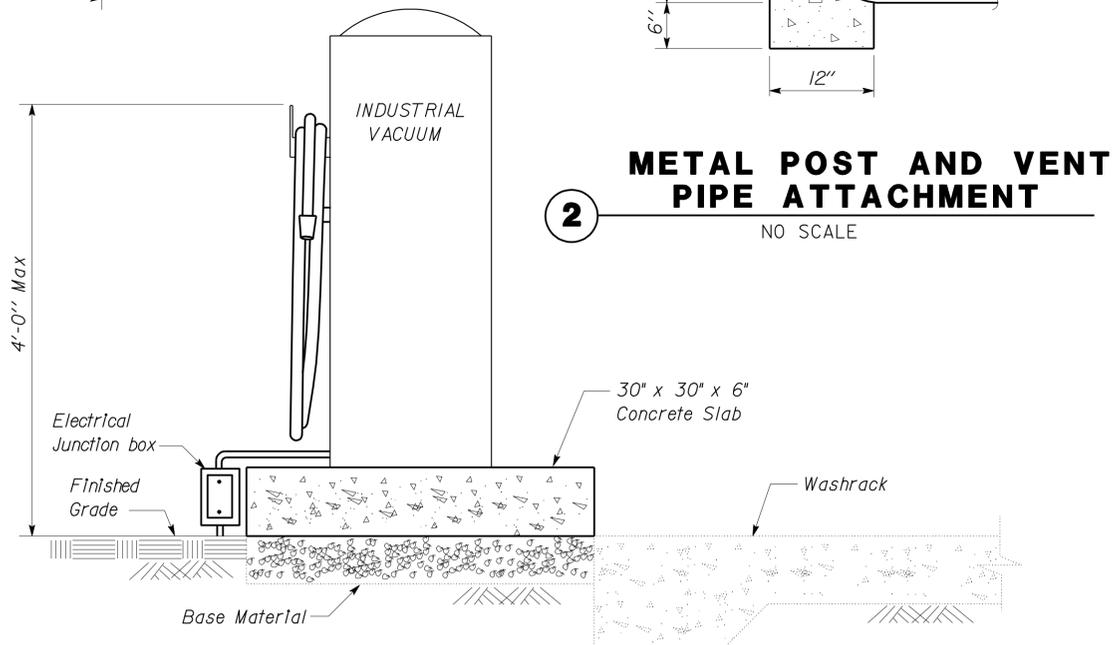
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 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



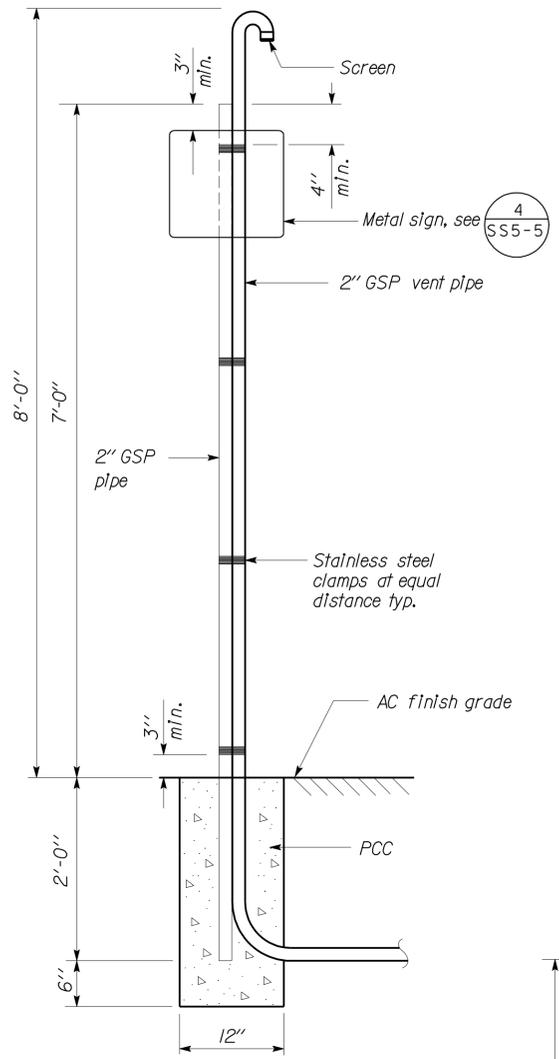
1 TANK TRUCK FILLER
NO SCALE



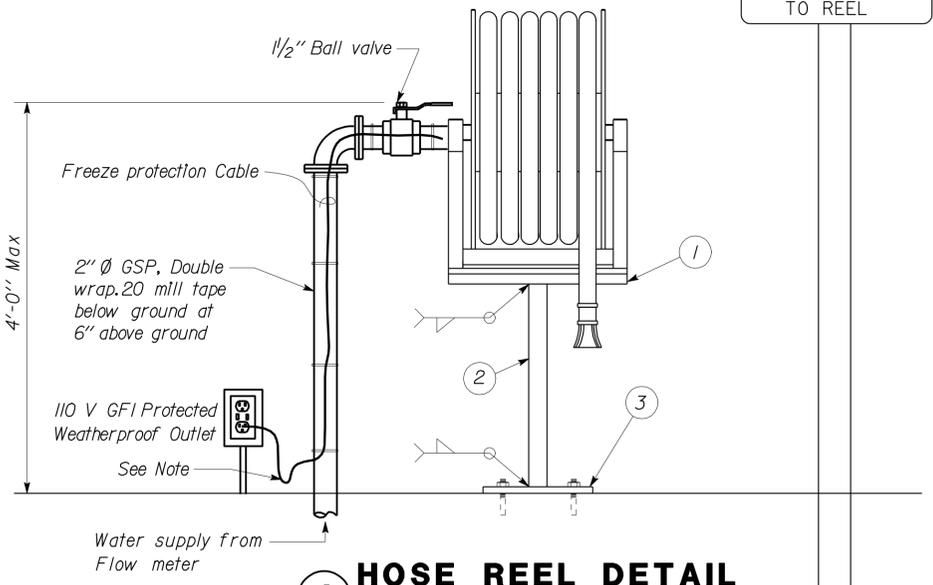
3 FLOW METER
NO SCALE



5 VACUUM FOUNDATION DETAIL
NO SCALE



2 METAL POST AND VENT PIPE ATTACHMENT
NO SCALE



4 HOSE REEL DETAIL
NO SCALE

- Note:
 1. Provide drip loop during installation.
 2. 1/2" Hose size @ all locations except 1/2" @ Sonora.
- Fabrication Notes:
 ① 1/4" steel plate, size per template from reel manufacturer.
 ② 3" square steel tube.
 ③ 9"x9"x1/4" steel plate. Secure with 4-3/8" x 3" bolts with washers. Paint color to match equipment shed.



DESIGN BY Amar Baidwan	CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	DISTRICT 10 WASHRACKS DETAILS-2	SHEET
DETAILS BY Amar Baidwan	CHECKED Don Hansen		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		SS5-4
QUANTITIES BY Amar Baidwan	CHECKED Don Hansen			X		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
					8-11-10 6-11-10 1-24-12	

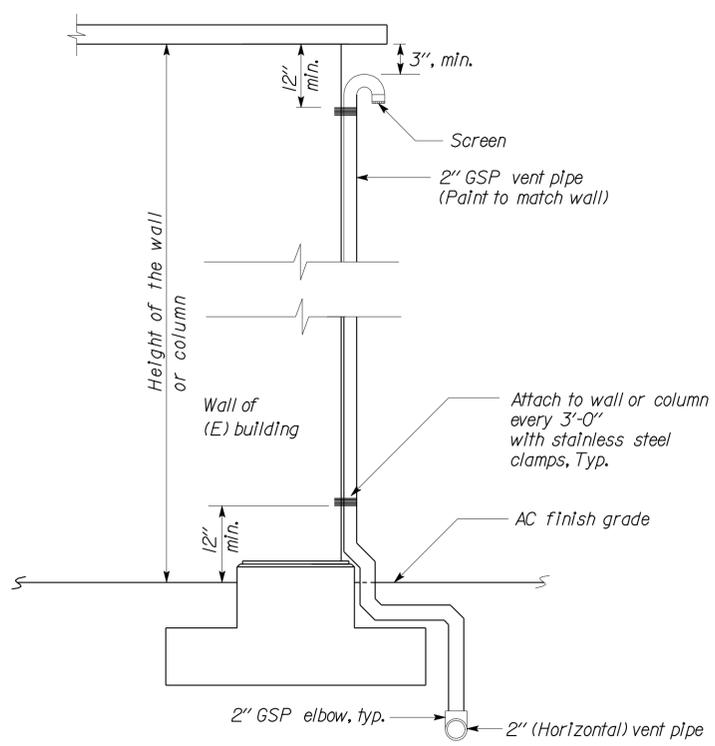
EA 10-0W5401

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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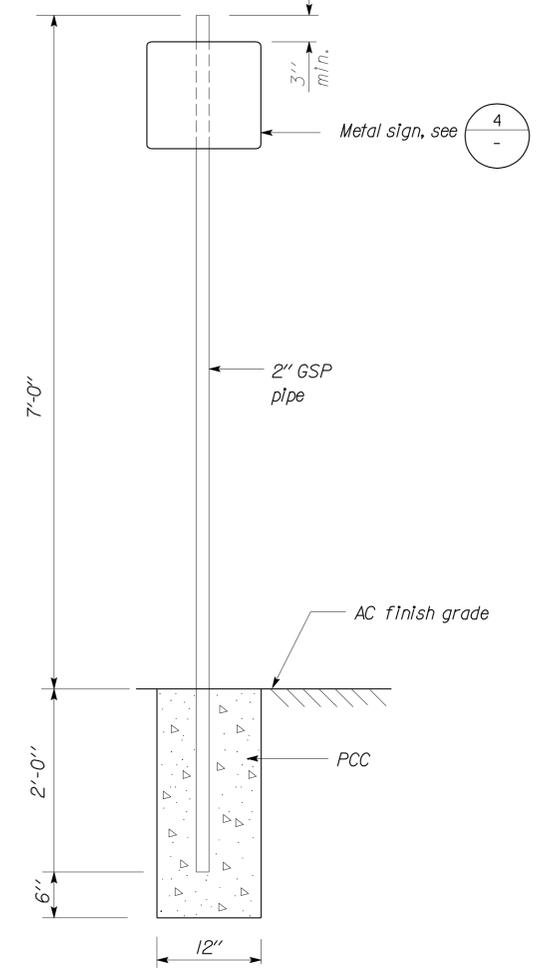
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER No. C 36844 Exp. 06/30/12 CIVIL STATE OF CALIFORNIA		01-24-12 DATE
3-26-12 PLANS APPROVAL DATE		

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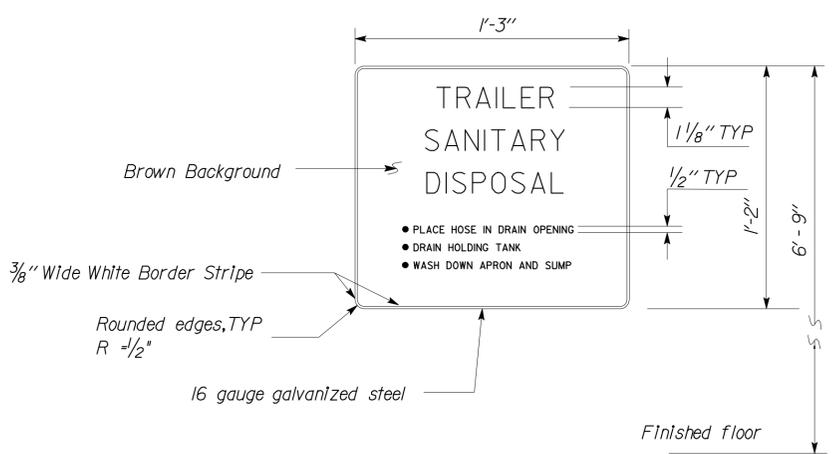
5 NOT USED



2 VENT PIPE ON WALL
NO SCALE

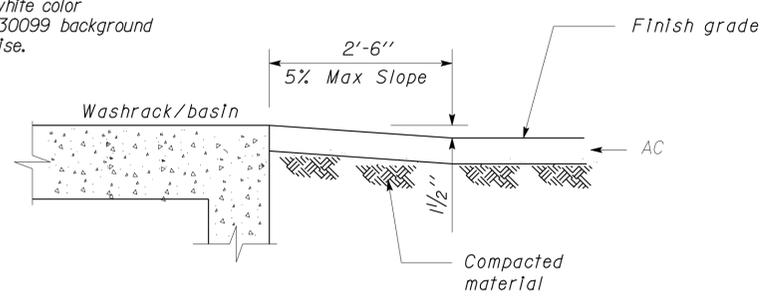


6 METAL POST WITH SIGN
NO SCALE

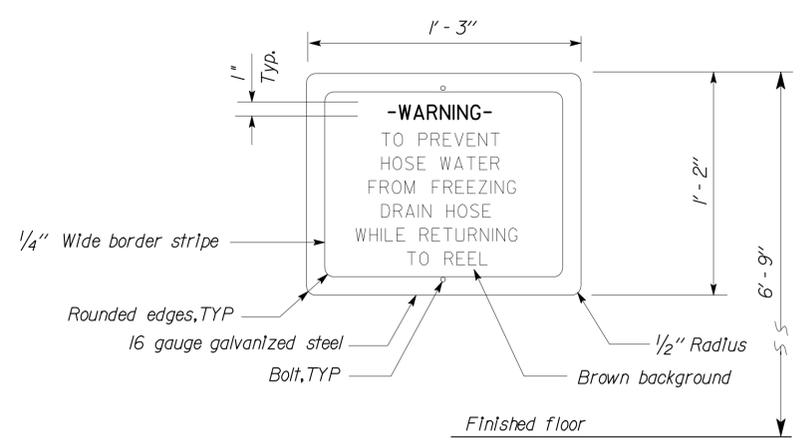


4 METAL SIGN
NO SCALE

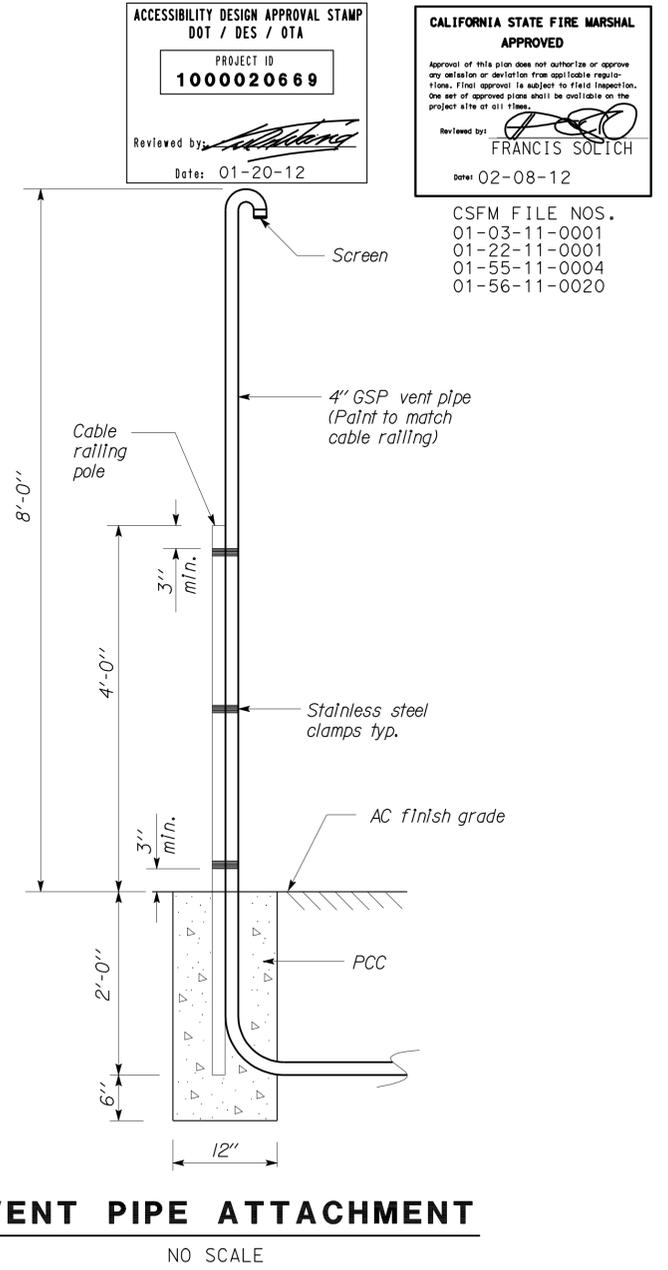
- NOTES**
- Bolt to metal post as shown on plans using galvanized 2/5" x 1 1/2" lag bolts.
 - All letters shall be baked white color 27925 on brown color * 30099 background except where noted otherwise.



3 OUT SIDE SLOPE FOR WASHRACK & BASIN
NO SCALE



7 HOSE REEL SIGN DETAIL
NO SCALE



1 VENT PIPE ATTACHMENT
NO SCALE

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
1000020669
Reviewed by: *[Signature]*
Date: 01-20-12

CALIFORNIA STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or approve any deviation or variation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12
CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

DESIGN	BY	Amar Baidwan	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. POST MILE X	DISTRICT 10 WASHRACKS DETAILS-3	SHEET SS5-5
	DETAILS	BY	Amar Baidwan	CHECKED					
QUANTITIES	BY	Amar Baidwan	CHECKED	Don Hansen	UNIT PROJECT NUMBER & PHASE EA 10-OW5401	3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tu	49,120	Var	30	96

Jerome R. Marcotte
 REGISTERED CIVIL ENGINEER
 DATE 01-24-12
 No. C 36844
 Exp. 06/30/12
 CIVIL
 STATE OF CALIFORNIA

3-26-12
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA

PROJECT ID
1000020669

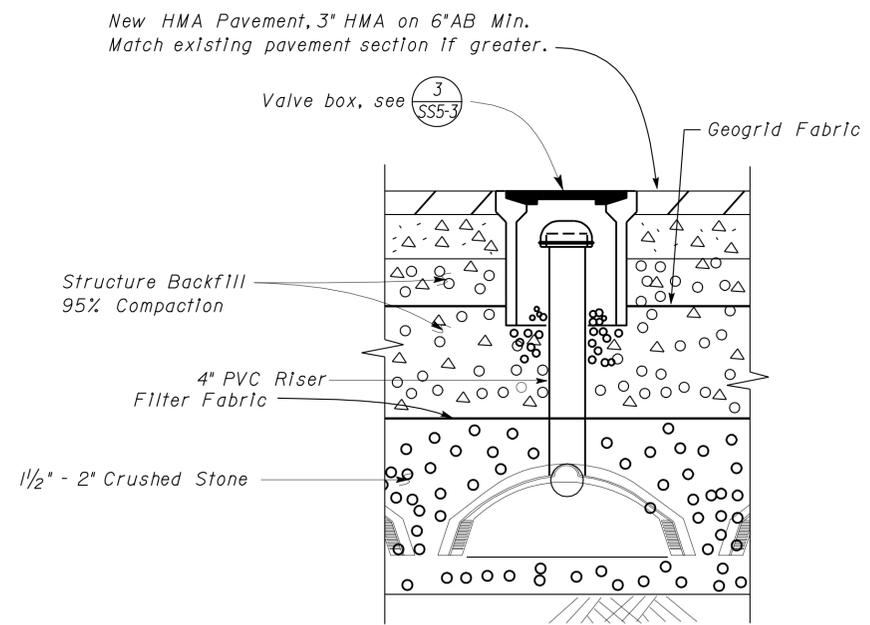
Reviewed by: *[Signature]*
 Date: 01-20-12

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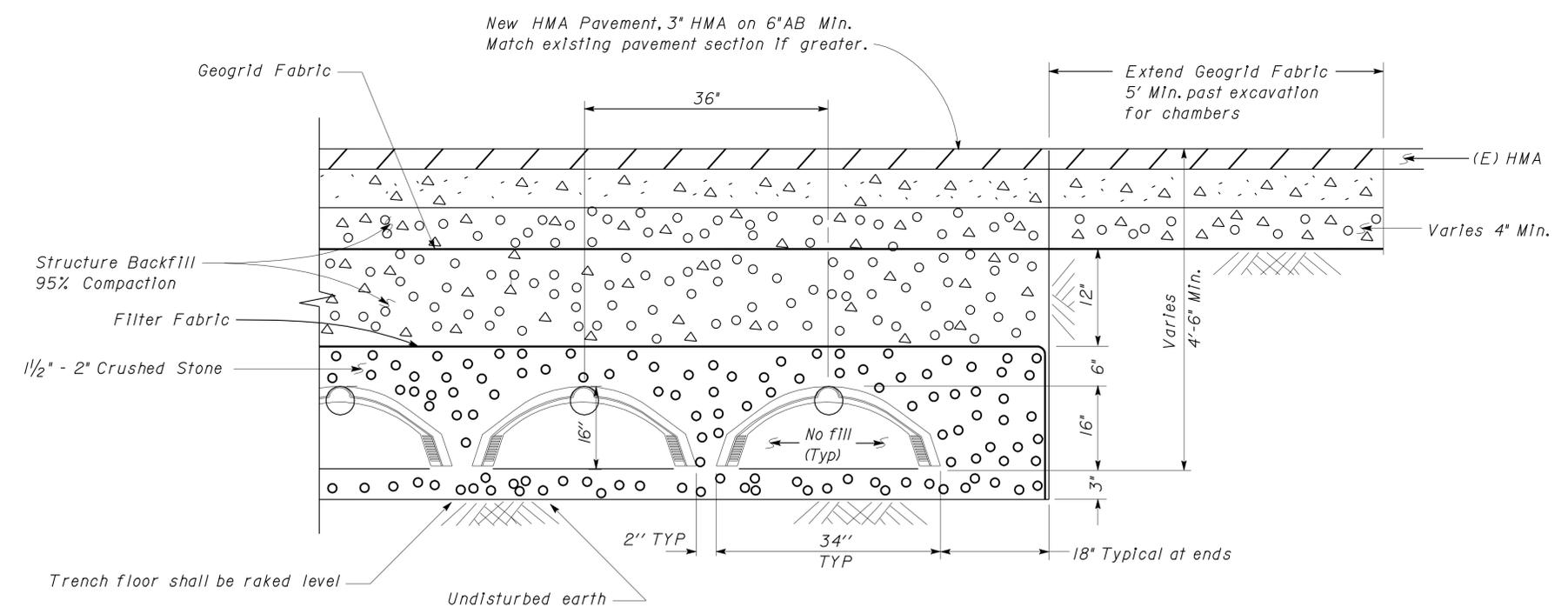
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 FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



OBSERVATION WELL
 NO SCALE

Note:
 Place 2 per Infiltration chamber, 20ft. in from the end of each chamber. Total required = 24.



INFILTRATION CHAMBERS
 NO SCALE

Note:
 New HMA pavement over Geogrid Fabric to be 38ft. wide. Excavation for chambers to be 28ft. wide. Place 8 rows of Infiltration chambers, 96 ft. long.

DESIGN	BY	R E Schmitz	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET							
	DETAILS	BY	J. R. Stangl	CHECKED			Don Hansen			POST MILE	DETAILS - 4	SS5-6				
QUANTITIES	BY	R E Schmitz	CHECKED	Don Hansen	UNIT	3616	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	EA 10-0W5401	PROJECT NUMBER & PHASE	10000206691	9-8-11	10-6-11	11-8-11	10-1-12	OF

TAEMWW Imperial Rev. 7/10
 EA 10-0W5401
 ss5_6.dgn

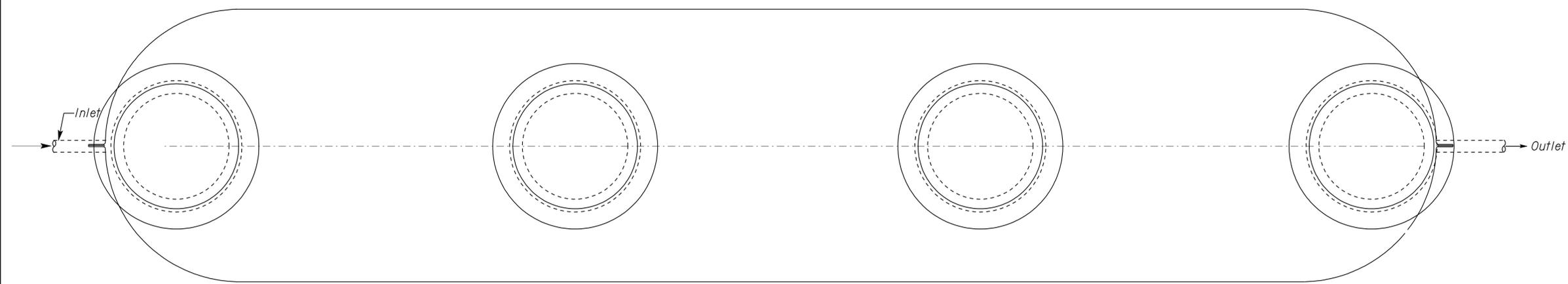
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tu	49,120	Var	31	96

Jerome R. Marcotte 01-24-12
 REGISTERED CIVIL ENGINEER DATE

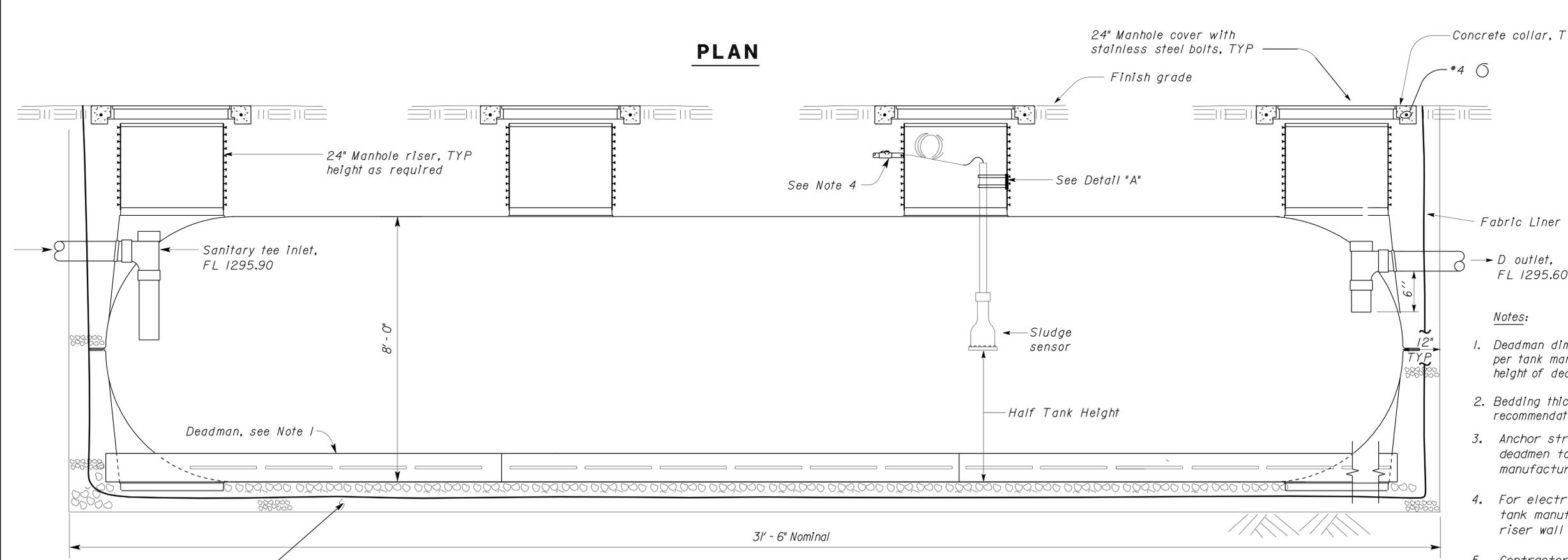
REGISTERED PROFESSIONAL ENGINEER
 JEROME R. MARCOTTE
 No. C 36844
 Exp. 06/30/12
 CIVIL
 STATE OF CALIFORNIA

3-26-12
 PLANS APPROVAL DATE

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PLAN



SECTION

1 10,000 GALLON SETTLING TANK
No Scale

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1000020669

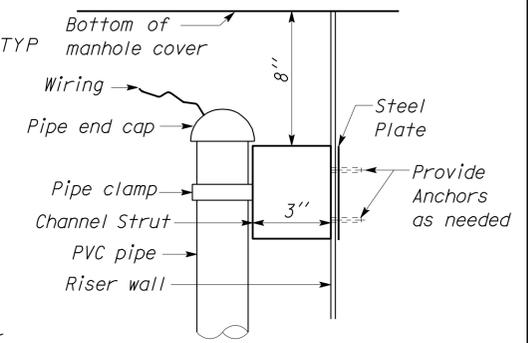
Reviewed by: *[Signature]*
Date: 01-20-12

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Date: 02-08-12

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01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



A DETAIL
NO SCALE

Notes:

1. Deadman dimensions may vary by manufacturer. Install deadman per tank manufacturer's recommendations. Width and height of deadman per manufacturer's recommendation.
2. Bedding thickness and depth per manufacturer's recommendation.
3. Anchor straps, connectors, and deadmen to be approved by tank manufacturer for use with tank.
4. For electrical, see EE-sheets. Follow tank manufacturer's instructions for riser wall openings.
5. Contractor to verify location of underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tanks.
6. According to a geotechnical report prepared in December of 1982, ground water was encountered at depths of 15' to 18'. Contractor shall dewater the tank excavation as required by field conditions.

DESIGN BY R. E. Schmitz CHECKED Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET
			POST MILE X		10,000 GALLON SETTLING TANK
DETAILS BY J.R. Stangl CHECKED Don Hansen	UNIT PROJECT NUMBER & PHASE 3616 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		
QUANTITIES BY R. E. Schmitz CHECKED Don Hansen	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 10-OW5401	8-11-11	9-08-11	10-06-11
TAEMWW Imperial Rev. 7/10			11-01-11	11-24-11	

27-MAR-2012 07:36
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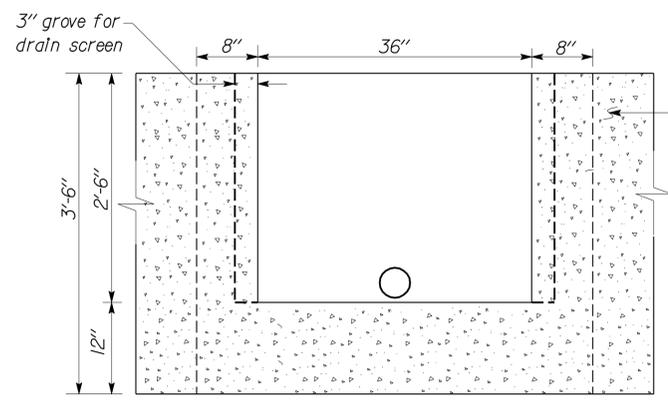
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuco	49, 120	Var	32	96

Jerome R. Marcotte REGISTERED CIVIL ENGINEER	01-24-12 DATE
3-26-12 PLANS APPROVAL DATE	
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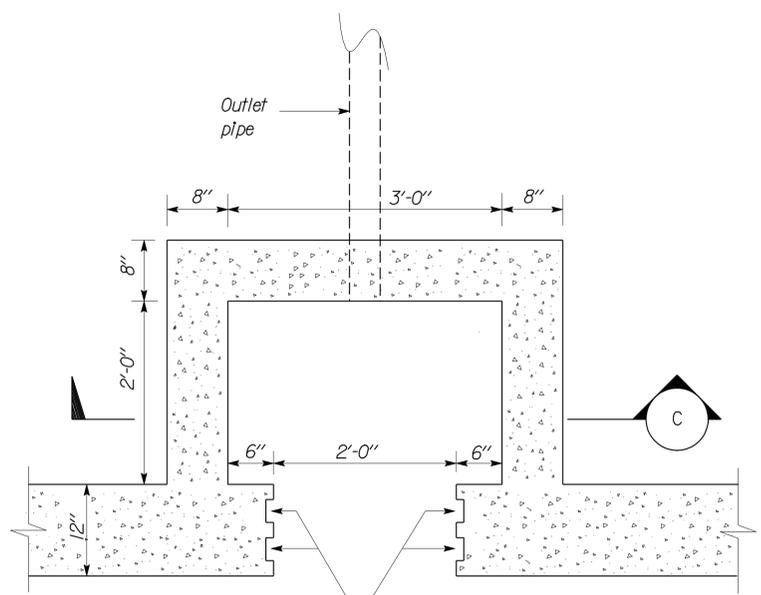
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
1000020669
 Reviewed by:
 Date: 01-20-12

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 FRANCIS SOLICH
 Date: 02-08-12

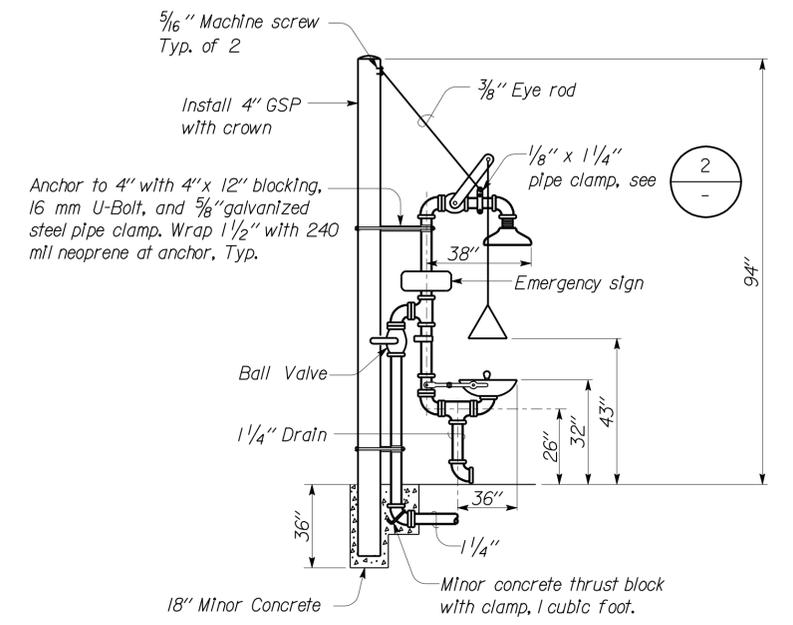
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 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



C SECTION

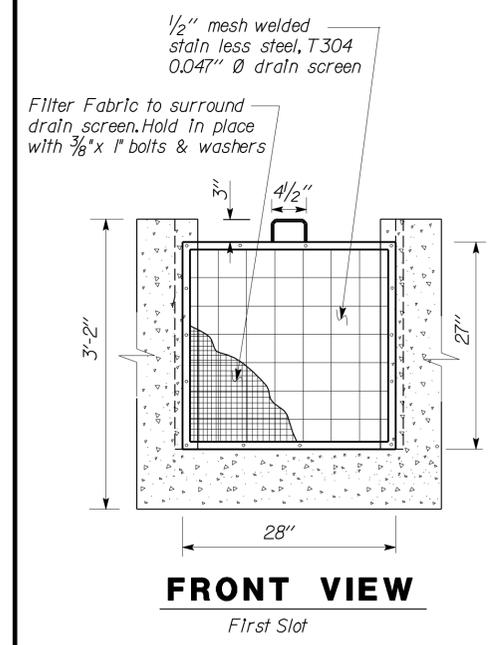


PLAN VIEW

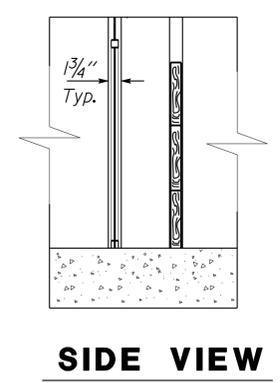


1 EMERGENCY EYEWASH AND SHOWER DETAIL

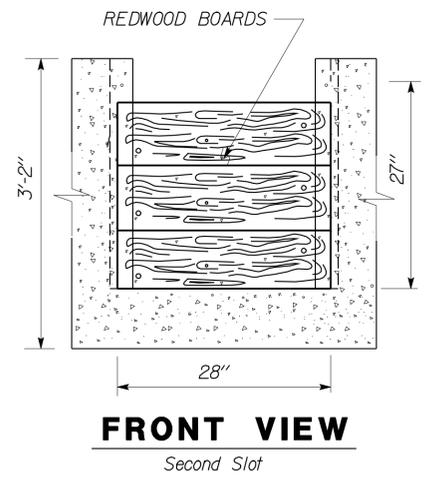
(DISABLED ACCESSIBLE)
 NO SCALE



FRONT VIEW
 First Slot

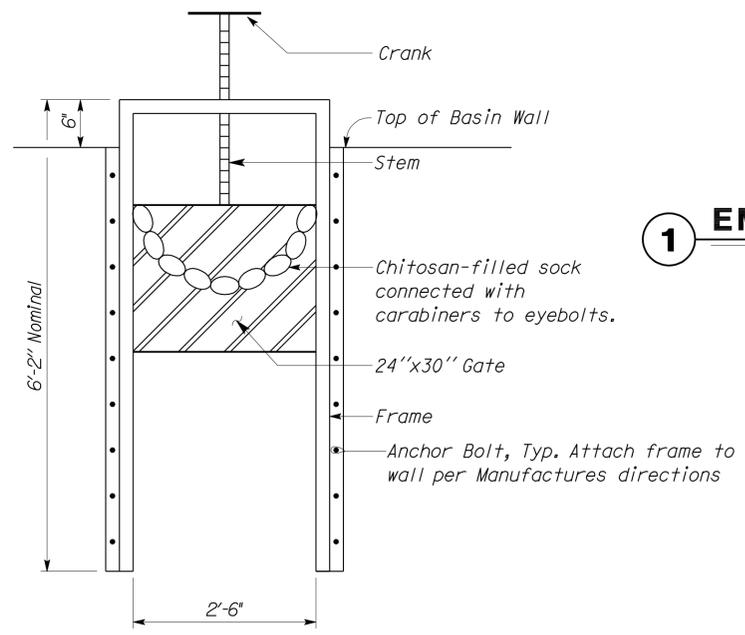


SIDE VIEW



FRONT VIEW
 Second Slot

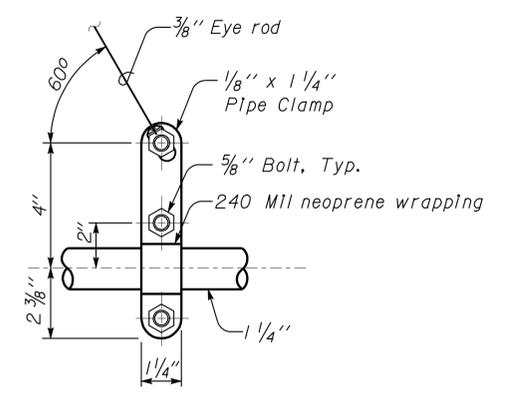
B DRAIN SCREEN PLATE
 SCALE 1"=1'-0"



3 DOWNWARD OPENING WEIR GATE

NO SCALE

Notes:
 1. Crank, Stem, Gate and Frame per Manufacturer
 2. See Sheet ST4-10 for outlet box details



2 PIPE SUPPORT DETAIL

NO SCALE

DESIGN	BY	Amar Baldwan	CHECKED	Jerry Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET
	DETAILS	BY	Amar Baldwan	CHECKED			Don Hansen		
QUANTITIES	BY	Amar Baldwan	CHECKED	Don Hansen	UNIT PROJECT NUMBER & PHASE	3616 10000206691	X	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		8-11-11 9-08-11 10-6-11 11-02-11 11-24-12	OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amador, Tuolumne	49,120	Var	33	96

RJP 11-7-11
REGISTERED CIVIL ENGINEER DATE

REGISTERED PROFESSIONAL ENGINEER
 Robert du Plaine
 No. 51447
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

3-26-12
PLANS APPROVAL DATE

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ABBREVIATIONS

AAD Adhesive Anchorage Device	HD Holdown	Hex Hexagon
AB Anchor Bolt	Horiz Horizontal	HSB High Strength Bolt
AC Asphalt Concrete	HSS Hollow Structural Section	Jt Joint
Alt Alternate		
APA American Plywood Association		
APC Alternative Pipe Culvert		
Bldg Building	LOL Layout Line	LVL Laminated Veneer Lumber
Blkg Blocking		
BN Boundary Nailing		
Btm Bottom	m Meter	Max Maximum
CB Carriage Bolt	MEA Mechanical Expansion Anchor	Mech Mechanical
CIDH Cast In Drilled Hole	Mfr Manufacturer	mm Millimeter
CJ Control Joint	Min Minimum	MIW Malleable Iron Washer
Clr Clear	OC On Center	OG Original Grade
CMU Concrete Masonry Unit	OH Opposite Hand	Opt Optional
Conc Concrete	P Pitch	PDF Powder Driven Fastener
Const Construction	PIWD Plywood	PT Pressure Treated
Cont Continuous	PW Puddle Weld	PWB Prefabricated Wood I Beam
CP Complete Penetration Weld	RCP Reinforced Concrete Pipe	Relnf Reinforced, Reinforcing
Dbl Double	Req'd Required	SDSTS Self Drill, Self Tap Screw
DF Douglas Fir	Sq Square	Stagg Staggered
Dia Diameter	Std Standard	SW Stud Weld
DIP Ductile Iron Pipe	Sym Symmetrical	T&G Tongue-and-Groove
DN Diameter Nominal	TN Toe Nail	TS Tube Steel
do Ditto	Typ Typical	UON Unless Otherwise Noted
(E) Existing		
Ea Each		
EL Elevation		
Elec Electrical		
Embed Embedment		
EN Edge Nail		
Eq Equal		
Exp Expansion		
FDGM Free Draining Granular Material		
FG Finish Grade		
FL Flow Line		
Fir Floor		
FN Face (Field) Nail		
FOC Face of Concrete		
FOM Face of Masonry		
FOS Face of Stud		
Ftg Footing		
Ga Gage		
Galv Galvanized		
GLM Glue Laminated Member		
Gyp Bd Gypsum Board		

SYMBOLS

	Blocking in Section or Elevation		CMU Wall on Plan Views
	Continuous Member in Section		Dropped Slab on Plan Views
	End of Member		Reinforced Concrete
	Bearing Wall		Sand
	Shear Wall		Structural Backfill
	Length Shearwall Schedule Symbol Reference		Structural Excavation
	Glue Laminated Member Section		Original Ground
	North Arrow		Limits of Structural Backfill (shown on plan view)
	Partial Section Cut		Free Draining Granular Material
	Full Section Cut		Bottom of Footing
	Revision Callout		Elevation or Working Point
	Grid Line Indicator		Existing Features
	Center Line		Holdown, Typ (Manufacturers are those noted in the order shown.)
	Station Line		Frame Connector (Manufacturers are those noted in the order shown.)
	Steel Plate		Detail Number or Note Number Additional Reference (if required) Sheet Number
	Diameter		
	Square		

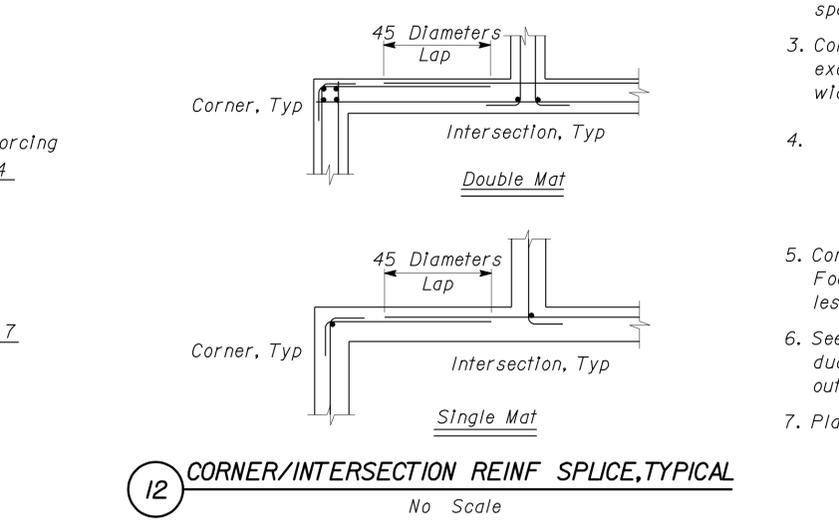
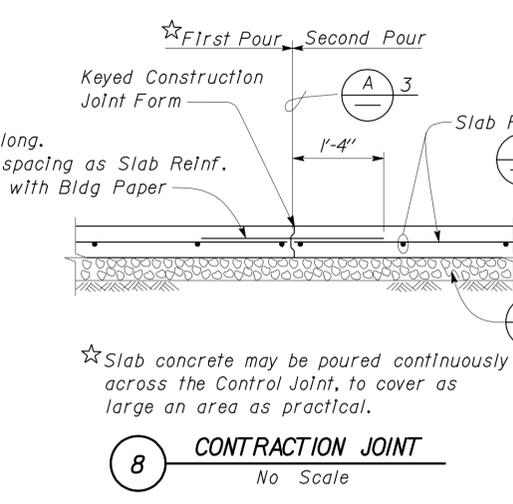
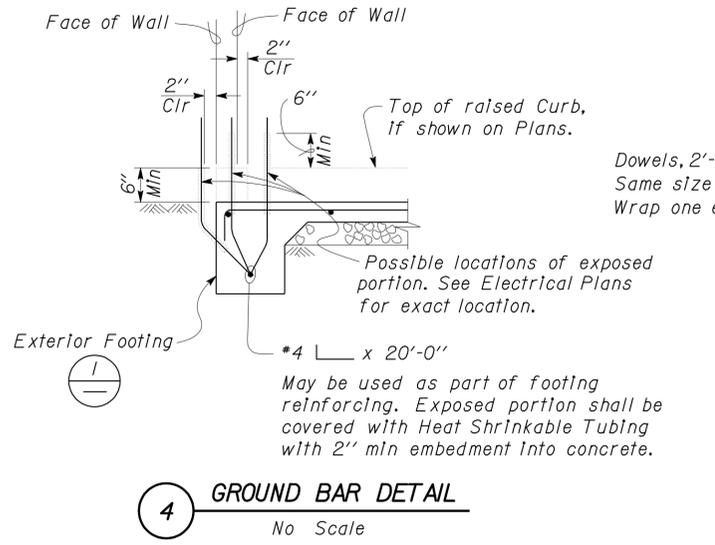
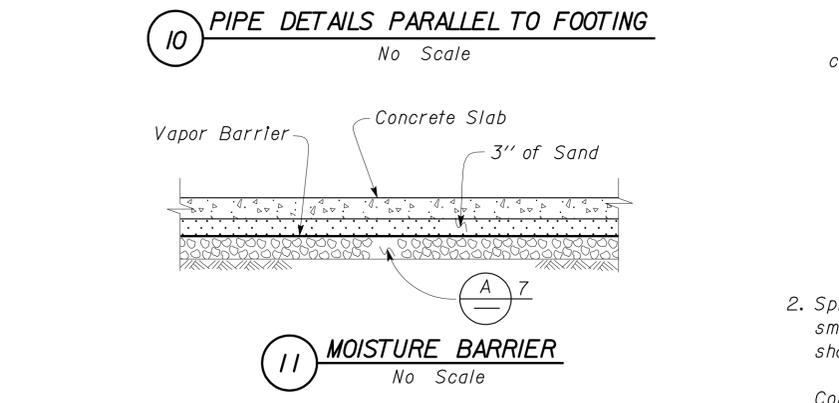
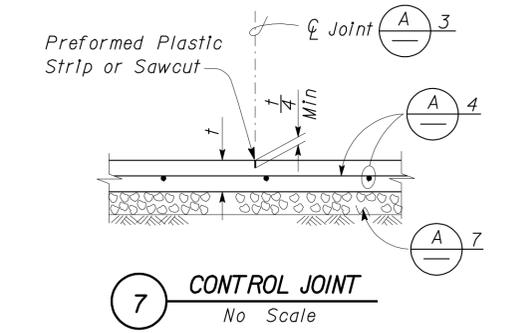
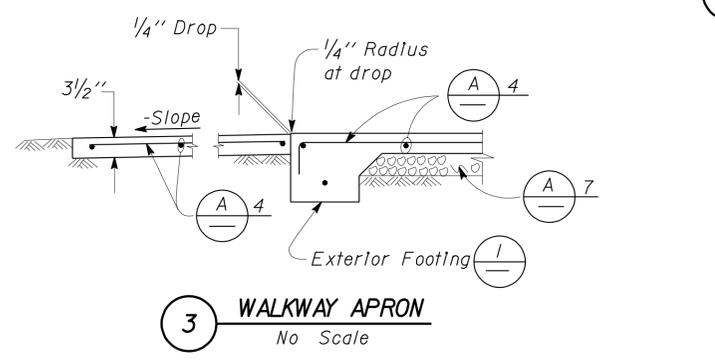
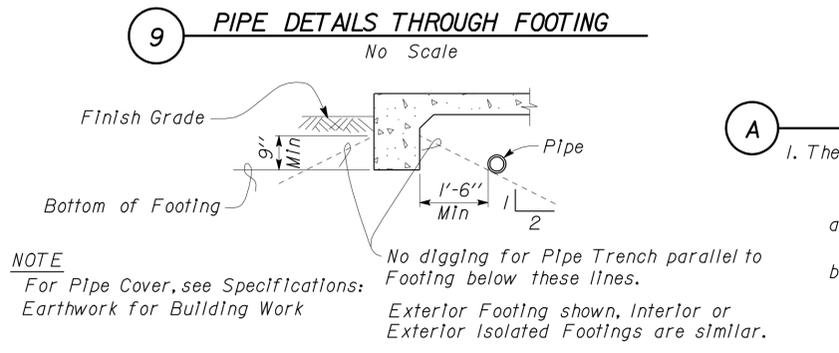
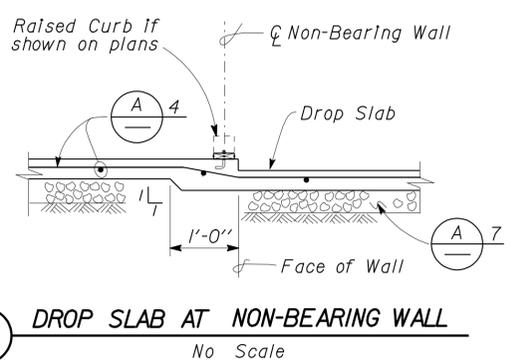
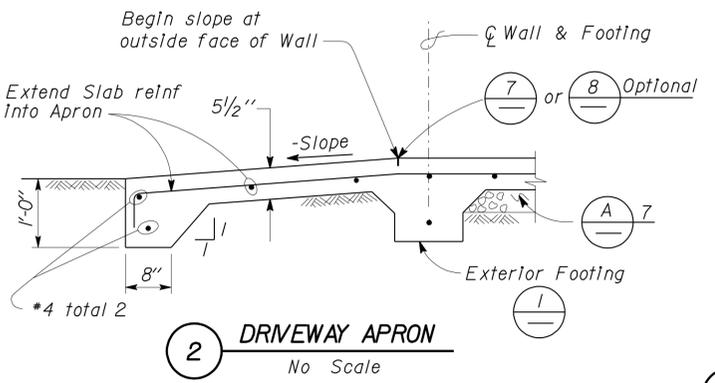
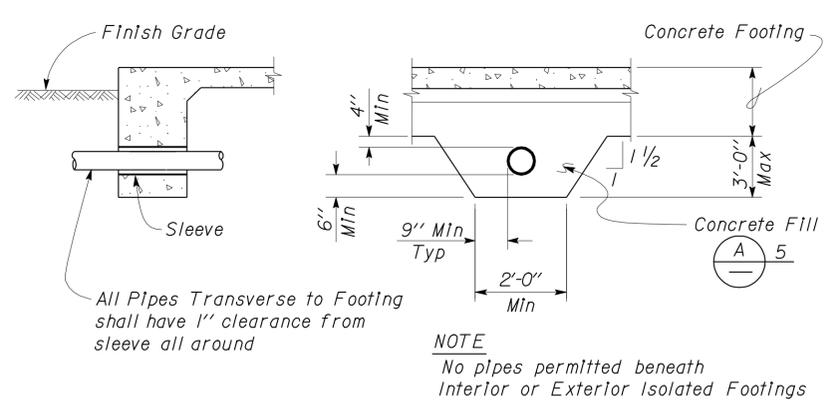
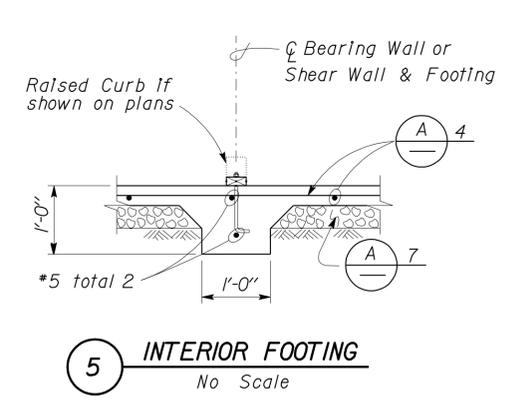
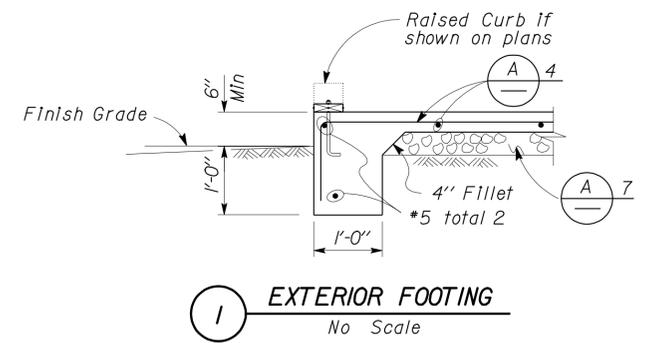
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

FILE NO. XS-25-0		DESIGN BY <i>Sean Samal</i>		CHECKED <i>George E. Rowe</i>		APPROVED <i>R.E. Travis</i>		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		COULTERVILLE MS		DISTRICT 10 WASHRACKS		SHEET	
DRAWING DATE 1-04		DETAILS BY <i>George E. Rowe</i>		CHECKED <i>Sean Samal</i>		DESIGN SUPERVISOR		DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE		GROVELAND MS		LEGEND		ST-1	
SUBMITTED BY <i>Sean Samal</i>		DESIGN ENGINEER								UNIT 3599		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
DOES SD Imperial Rev. 9/02										PROJECT NUMBER & PHASE 10000206691		1-16-04							

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

27-MAR-2012 07:58 st_1.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amador, Tuolumne	49,120	Var	34	96
RJP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



- CONCRETE NOTES**
1. The following minimum concrete cover shall be provided for reinforcement.
- | | Minimum Cover |
|---|---------------|
| a. Concrete cast against and permanently exposed to earth | 3" |
| b. Concrete exposed to earth or weather but cast in forms: | |
| *6 thru *18 bars | 2" |
| *5 bar and smaller, W31 or D31 Wire, and smaller | 1 1/2" |
| c. Concrete not exposed to weather or in contact with ground: | |
| Slabs, Walls and Joists: | |
| *14 and *18 Bar | 1 1/2" |
| *11 Bar and smaller | 3/4" |
| Beams and Columns: | |
| Primary Reinforcement, Ties, Stirrups and Spirals | 1 1/2" |
2. Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller shall have a lap of 45 diameters and the splices in adjacent bars shall not be less than 5'-0" apart.
- Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.
3. Contraction Joints and Control Joints shall divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 15'-0".
4. Slab Thickness (t) Reinforcement
- | | |
|--------|---|
| 3 1/2" | *3 @ 18 Each way, place in center of Slab |
| 5 1/2" | *4 @ 18 Each way, place in center of Slab |
5. Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
6. See Mechanical and Architectural Plans for size and locations of pipe, vents, ducts and other similar openings. See Electrical Plans for conduits and outlet boxes in floors, walls, etc.
7. Place 4" of free draining granular material under slabs.

NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

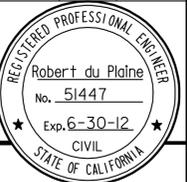
FILE NO. XS-25-1	DESIGN BY Sean Seavel	CHECKED Steve G. ...	APPROVED R.E. ...	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	COULTERVILLE MS	DISTRICT 10 WASHRACKS	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY Peter F. ...	CHECKED ...	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	IONE MS	CONCRETE STANDARD	
DOES SD Imperial Rev. 9/02	SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC).

DETAIL NOTES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amador, Merced, Tuolumne	49,120	Var	35	96




 11-7-11
 REGISTERED CIVIL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.66$ $S_{DS} = 0.56$
 $S_I = 0.33$ $S_{DI} = 0.38$
 Seismic Design Category = D

Seismic Force-Resisting System:
 Ordinary Steel Moment Frame
 $R = 3.5$ $C_S = 0.16$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

SNOW LOAD: 0.0 psf

1. All miscellaneous metal shall be hot-dipped galvanized after fabrication.
2. All lock washers shall be helical spring lock washers.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3000$ psi
 $F_y = 60,000$ psi

STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Plates $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi

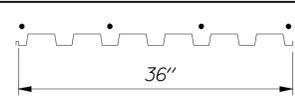
FOUNDATION:
 Allowable Soil Pressure (DL + LL) : = 1,500 psf

A METAL DECK NOTES

METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Metal Decking	1.5" x 20 Ga	0.220 in ⁴ /ft	0.235 in ³ /ft	0.246 in ³ /ft	38 Ksi

SCREW SCHEDULE and METAL DECK PROFILE

Metal Deck Profile	Self-Drilling Self-Tapping Screws			Minimum Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - #10 Per Support	#10 @ 12" OC	Button Punch @ 12" OC	350 lb/ft

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5704
POST MILE	COULTEVILLE MS

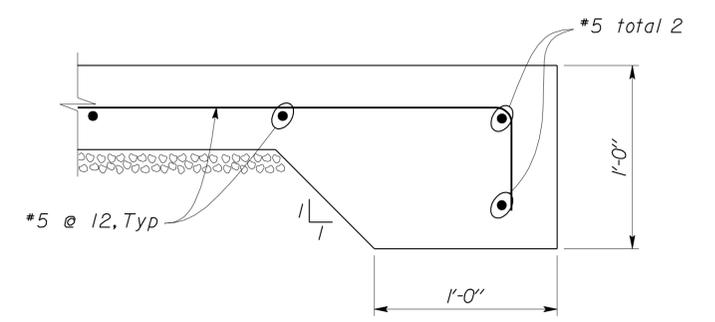
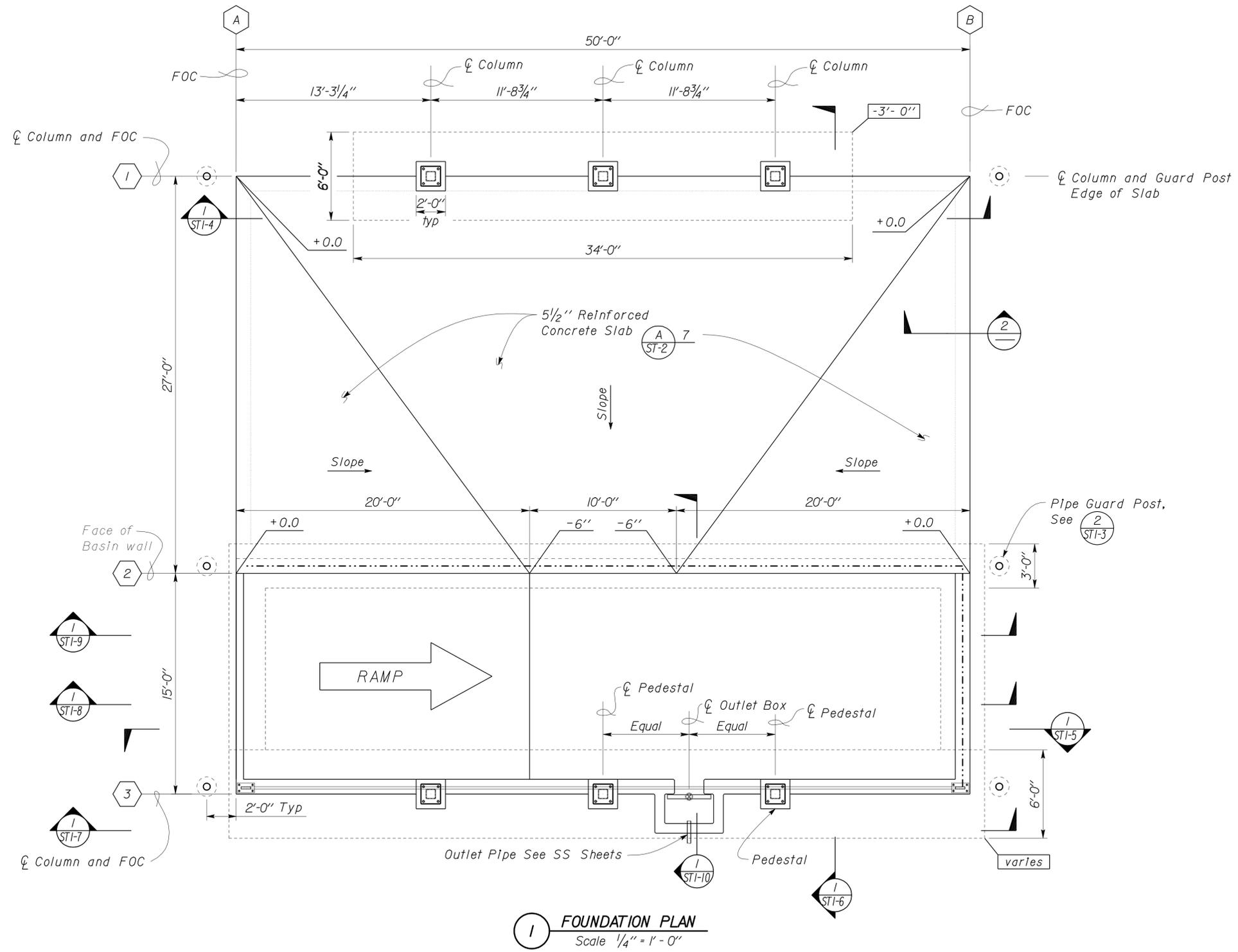
DISTRICT 10 WASHRACKS
DESIGN CRITERIA AND DETAIL NOTES

SHEET **ST1-1**



27-MAR-2012 07:58

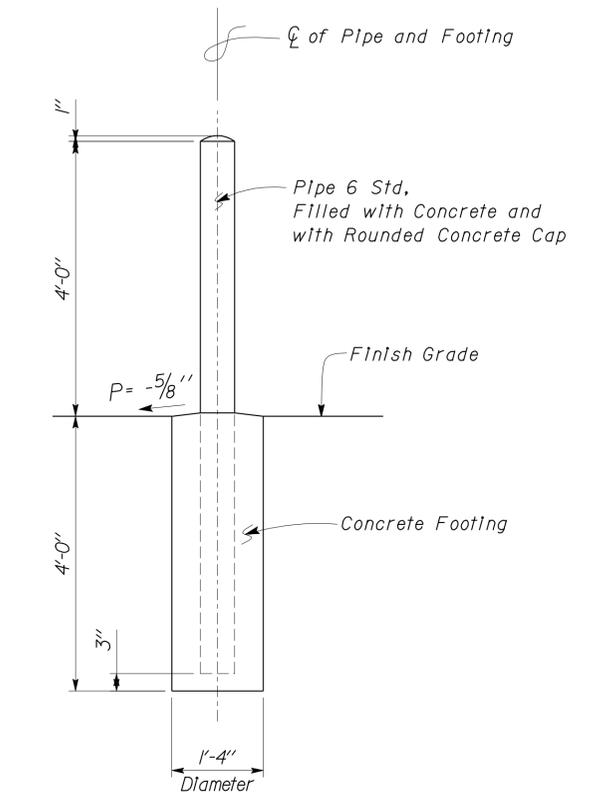
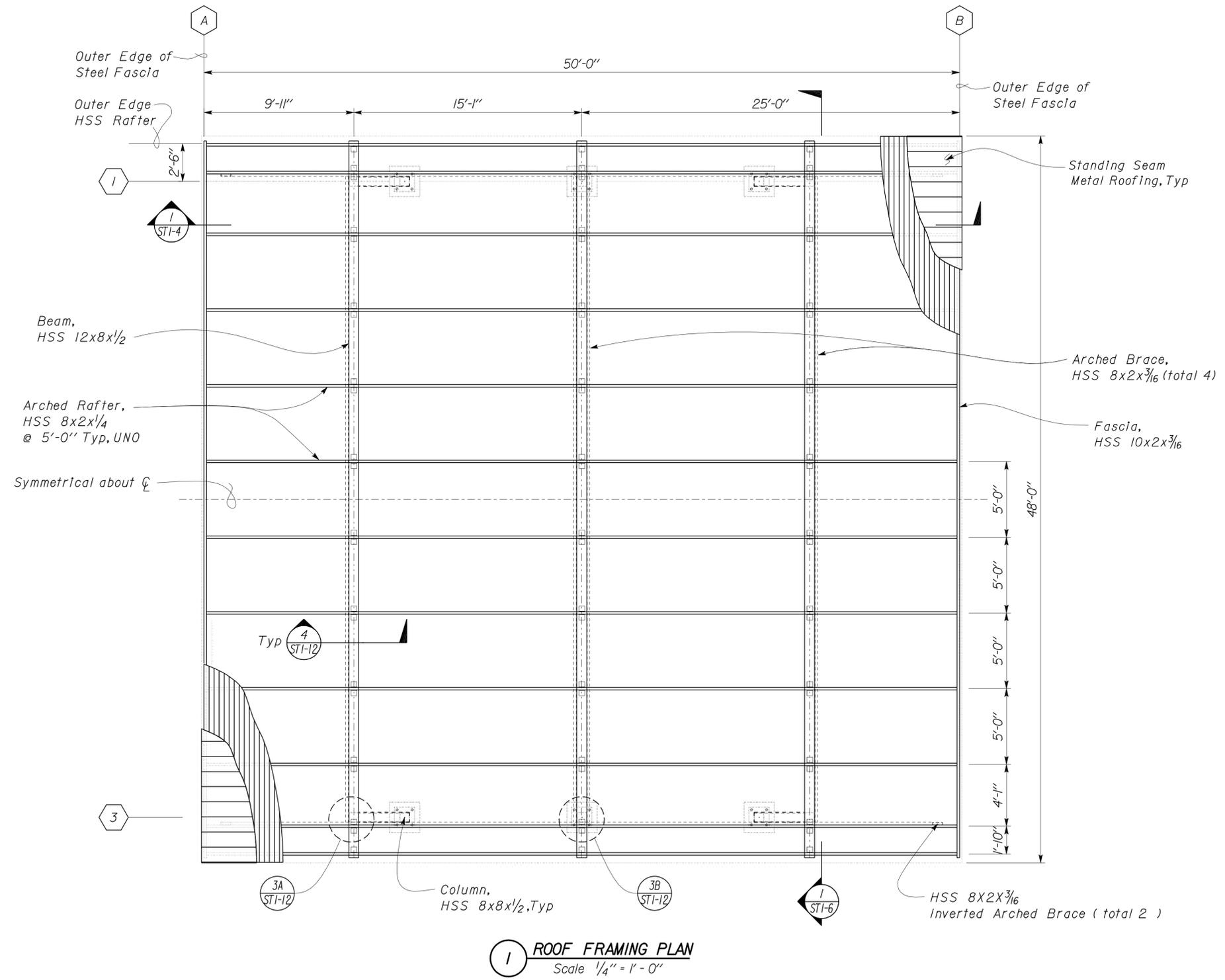
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Merced, Tuolumne	49,120	Var	36	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12					
PLANS APPROVAL DATE					
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TAEMWW Imperial Rev. 7/10 	DESIGN BY Robert du Plaine CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704 POST MILE COULTERVILLE MS	DISTRICT 10 WASHRACKS FOUNDATION PLAN	SHEET OF ST1-2
	DETAILS BY Janice Fujii CHECKED BY Robert du Plaine			PROJECT NUMBER & PHASE 3599 10000206691 UNIT EA 10-0W5401		

27-MAR-2012 07:58

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	37	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

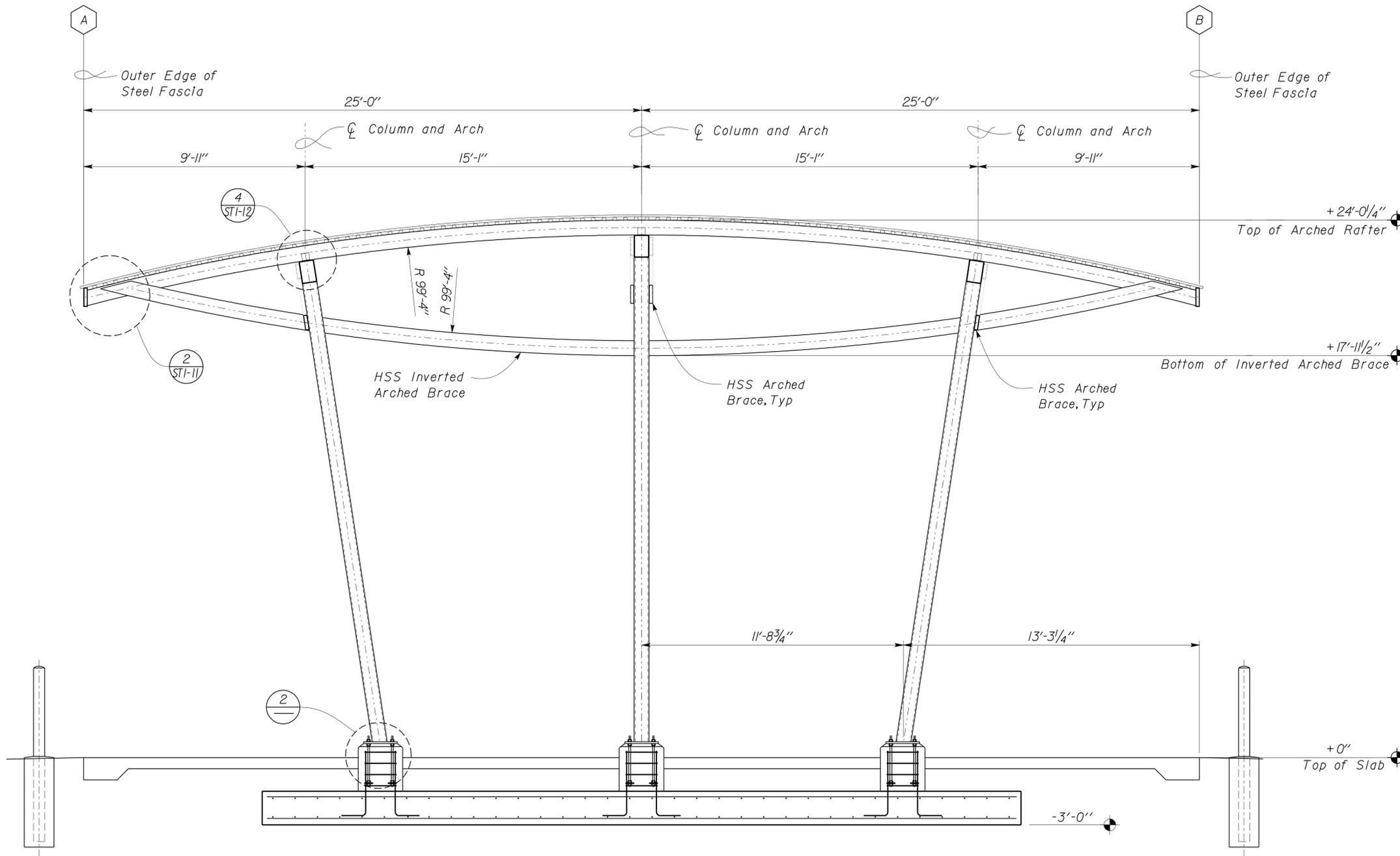
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5704
POST MILE COULTEVILLE MS

DISTRICT 10 WASHRACKS
ROOF FRAMING PLAN

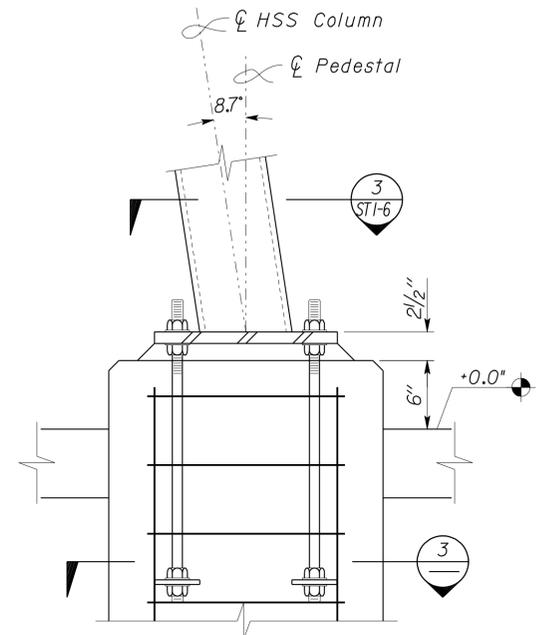
SHEET ST1-3 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
					
			3-26-12		
			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

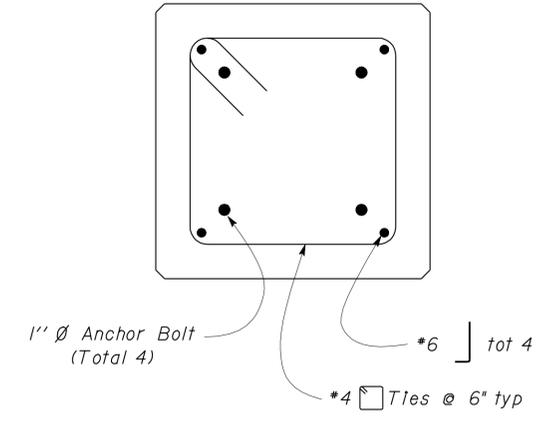


1 CANOPY SECTION
Scale 3/8" = 1' - 0"

Note
For details not shown,
see **2**
ST1-6



2 COLUMN PEDESTAL DETAIL
Scale 1 1/2" = 1' - 0"



3 COLUMN PEDESTAL SECTION
Scale 1 1/2" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

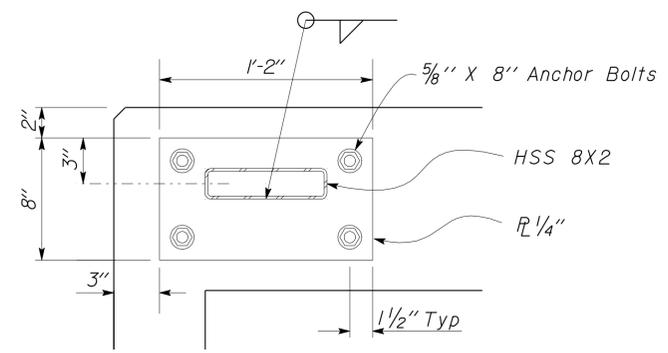
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5704
POST MILE COULTEVILLE MS

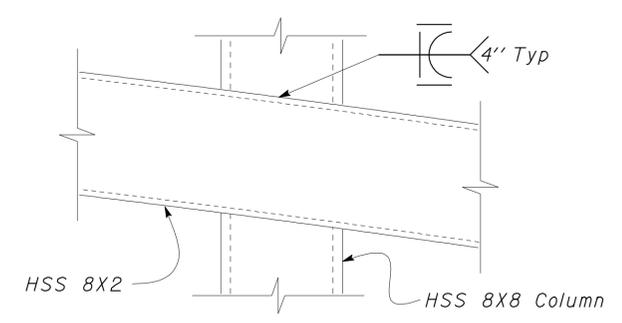
DISTRICT 10 WASHRACKS
CANOPY SECTION

SHEET **ST1-4** OF

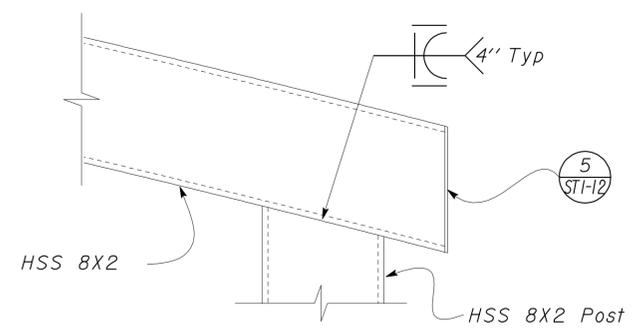
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amador, Tuolumne	49,120	Var	39	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



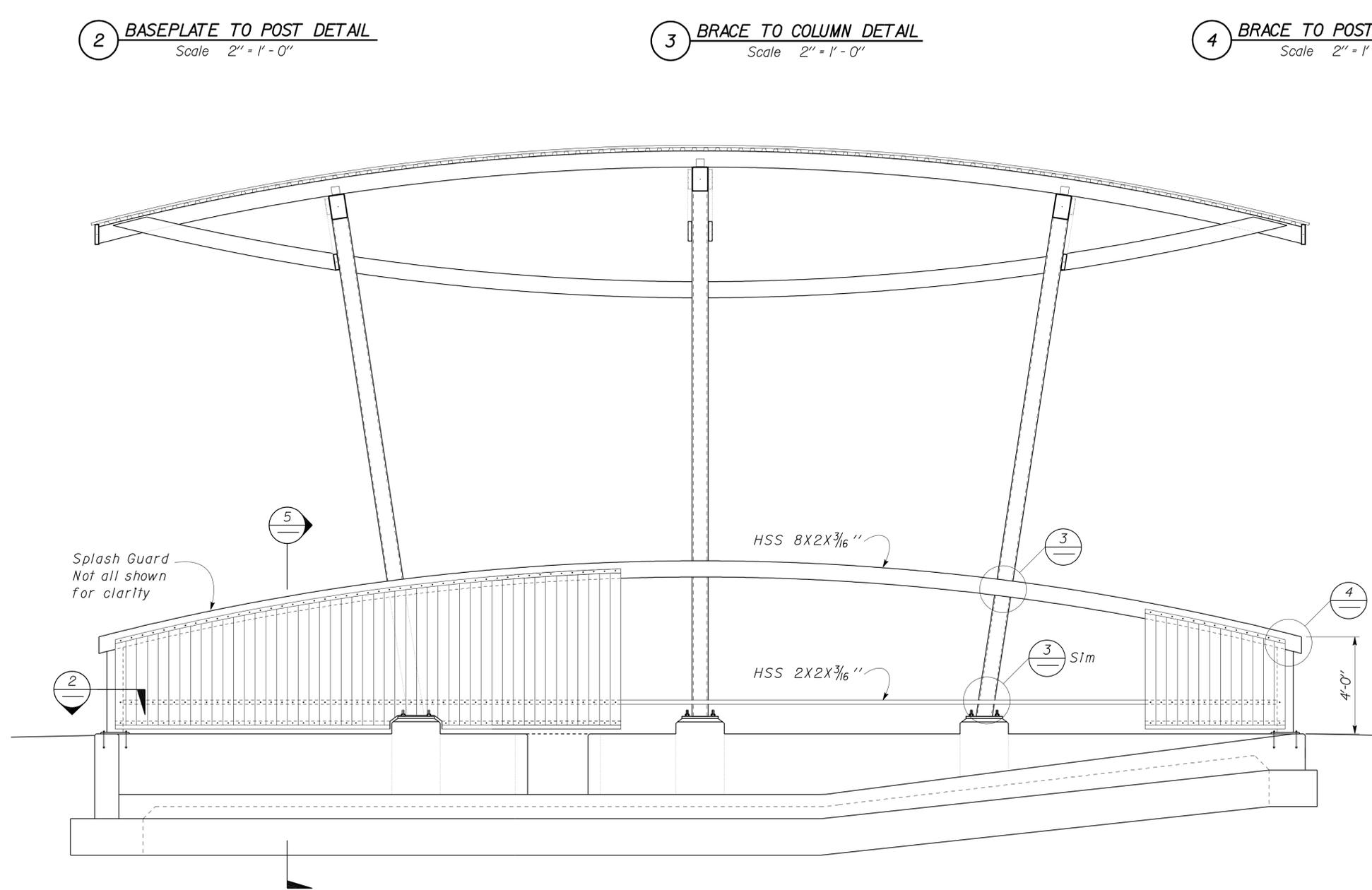
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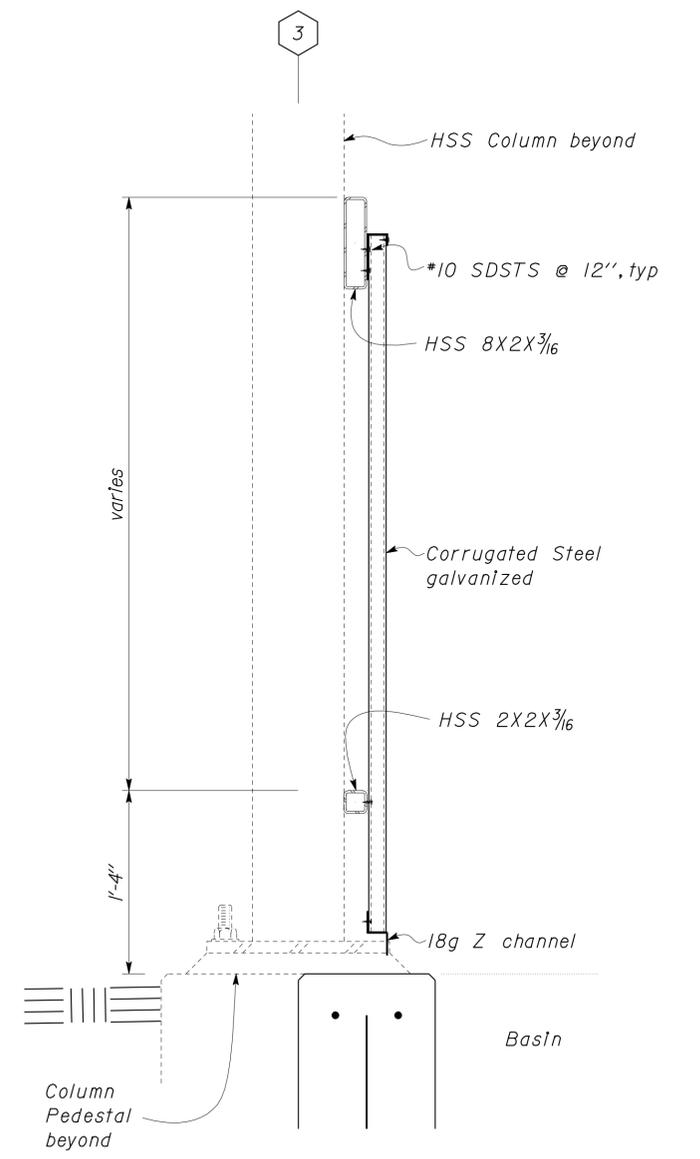
3 BRACE TO COLUMN DETAIL
Scale 2" = 1'-0"



4 BRACE TO POST DETAIL
Scale 2" = 1'-0"

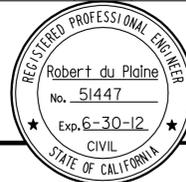


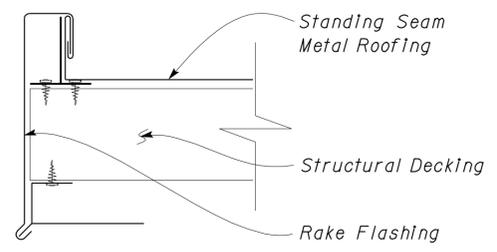
1 CANOPY SECTION
Scale 3/8" = 1'-0"



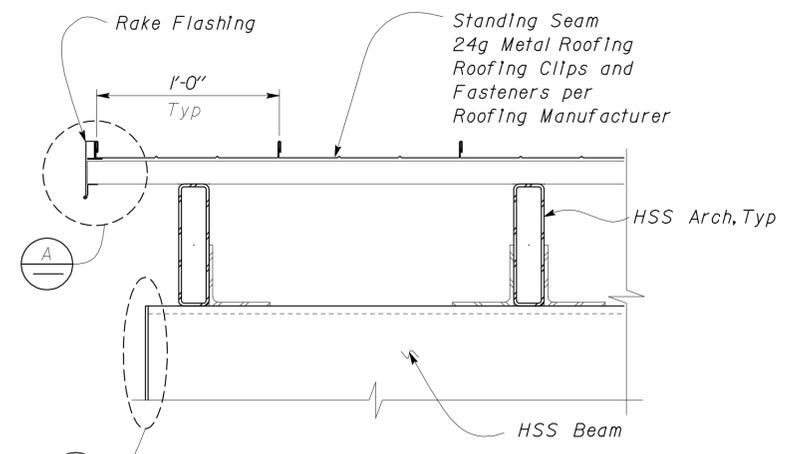
5 SPLASH SCREEN SECTION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	COULTERVILLE MS	DISTRICT 10 WASHRACKS SPLASH GUARD DETAILS	SHEET ST1-5
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 10-0W5401	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

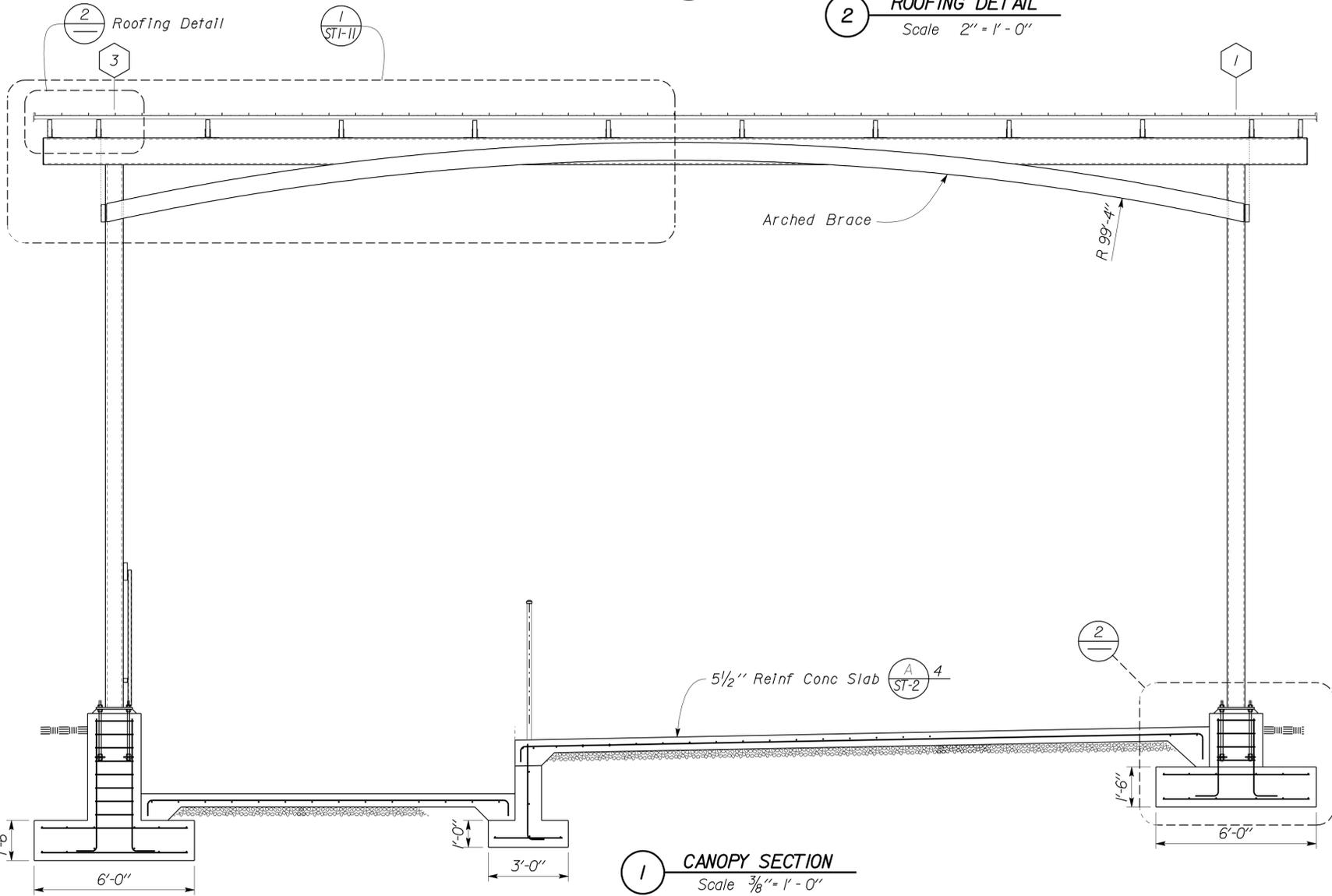
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10	Alameda, Contra Costa, Tuolumne	49,120	Var	40	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
					
			3-26-12		
			PLANS APPROVAL DATE		
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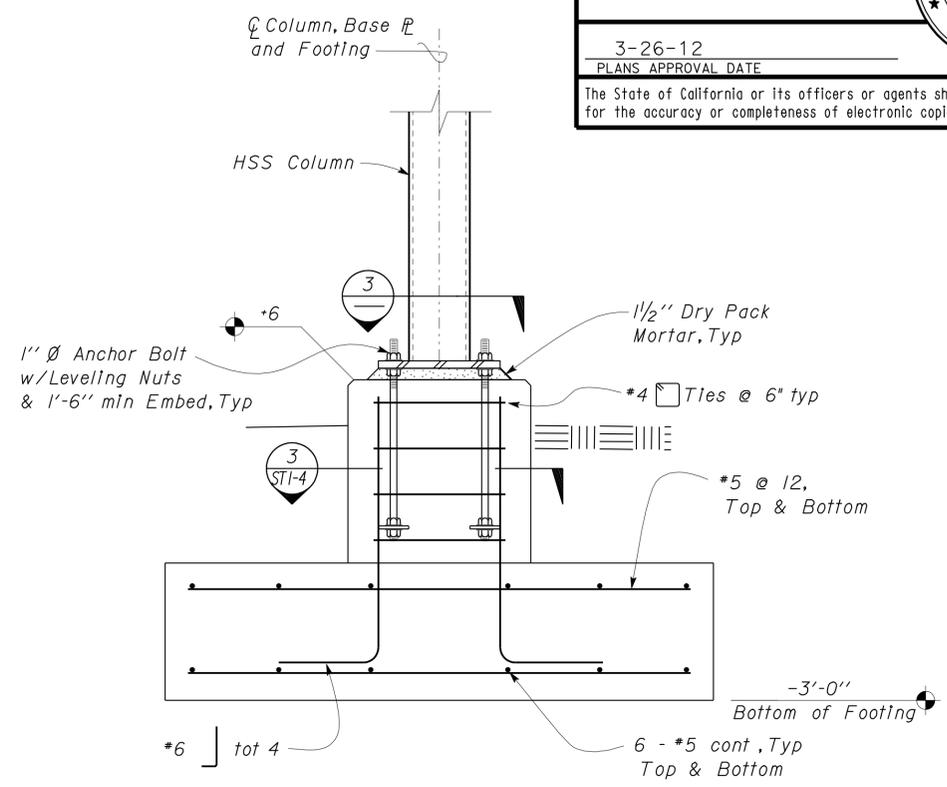
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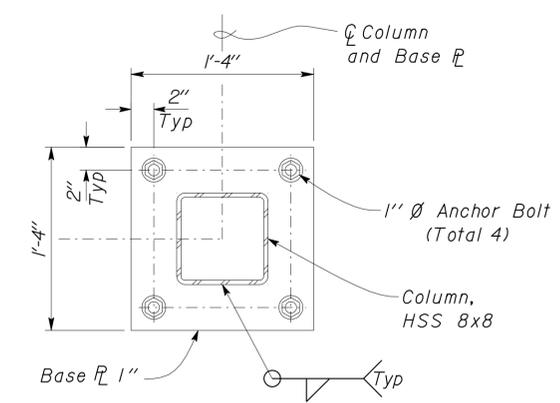
2 ROOFING DETAIL
Scale 2" = 1'-0"



1 CANOPY SECTION
Scale 3/8" = 1'-0"



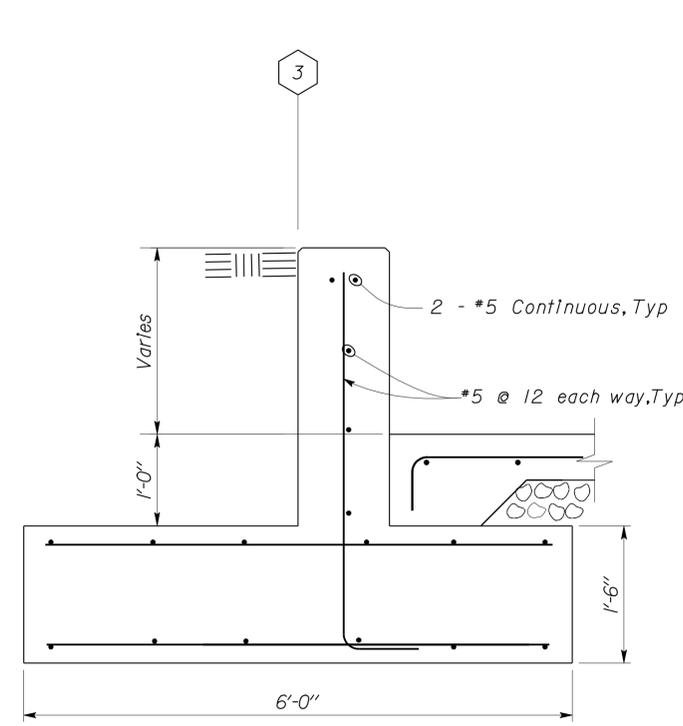
2 CANOPY FOOTING DETAIL
Scale 1" = 1'-0"



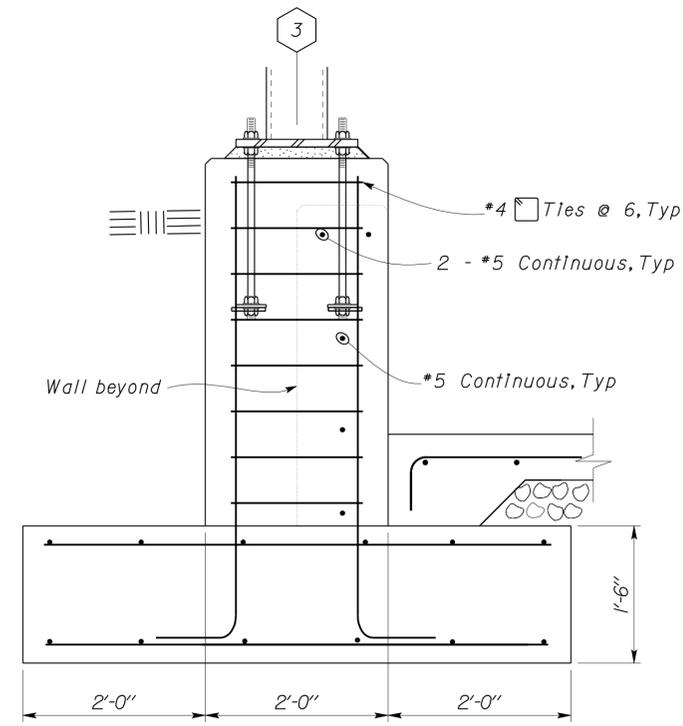
3 BASE PLATE DETAIL
Scale 1 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	COULTERVILLE MS	DISTRICT 10 WASHRACKS	SHEET ST1-6
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	EA 10-0W5401		D:\User\Projects\Dist_10\WashRack\Temp\st1_06.dgn		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	41	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
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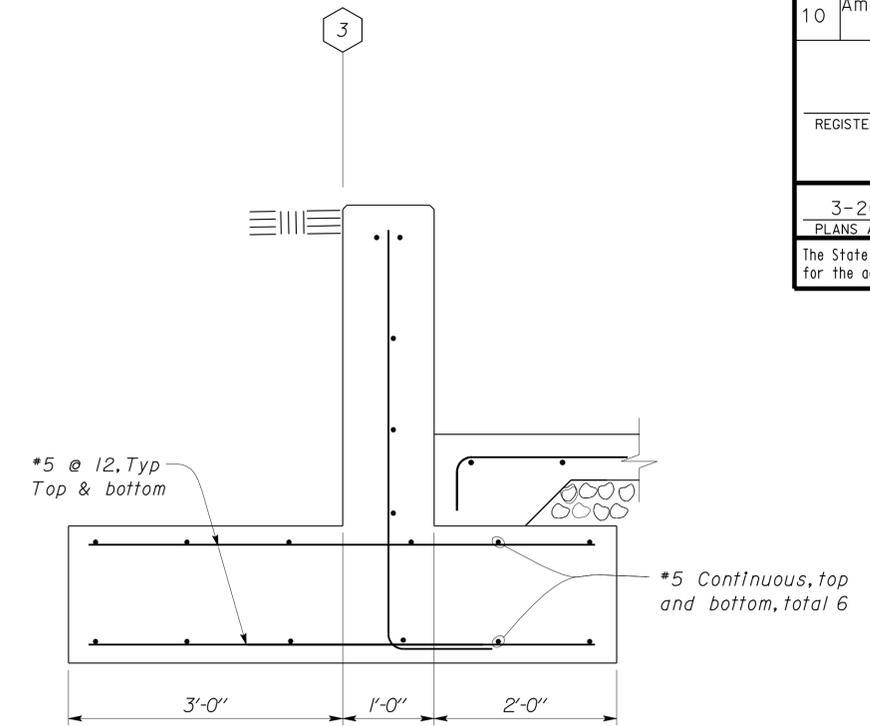


2 WALL SECTION
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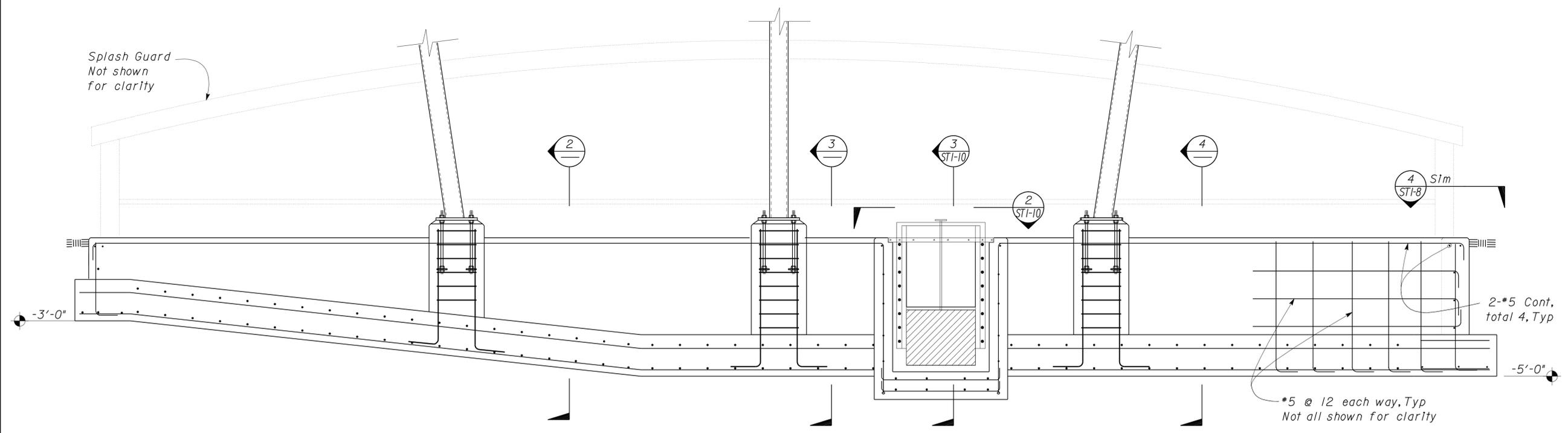


3 WALL SECTION
Scale 1" = 1'-0"

Note
For Details
not shown, see **2**
STI-6



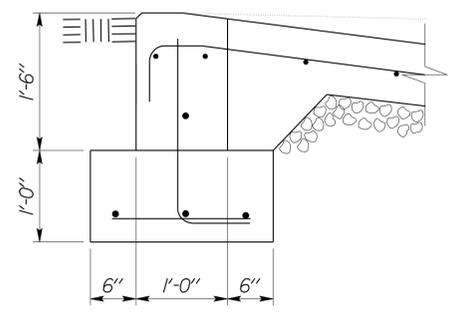
4 WALL SECTION
Scale 1" = 1'-0"



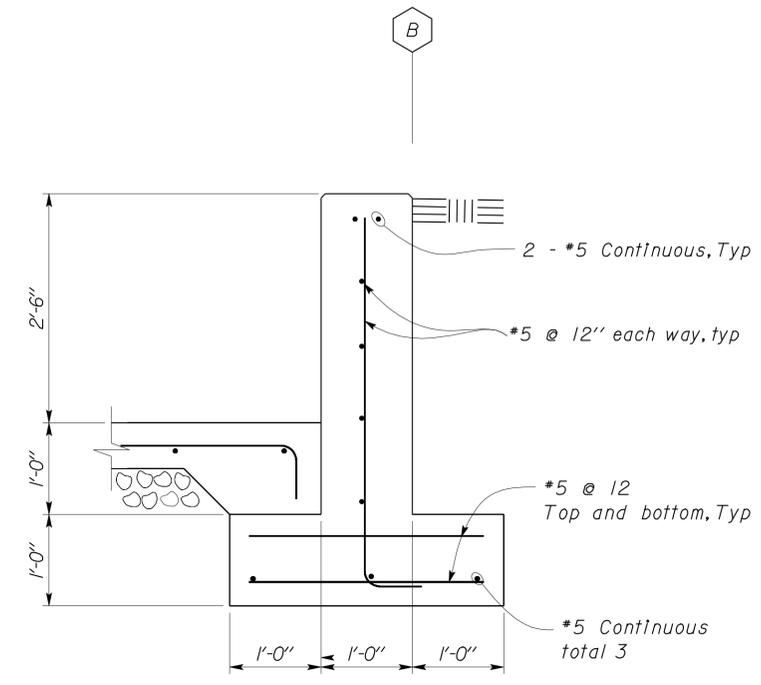
1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	COULTERVILLE MS	DISTRICT 10 WASHRACKS	SHEET ST1-7
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 10-0W5401	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

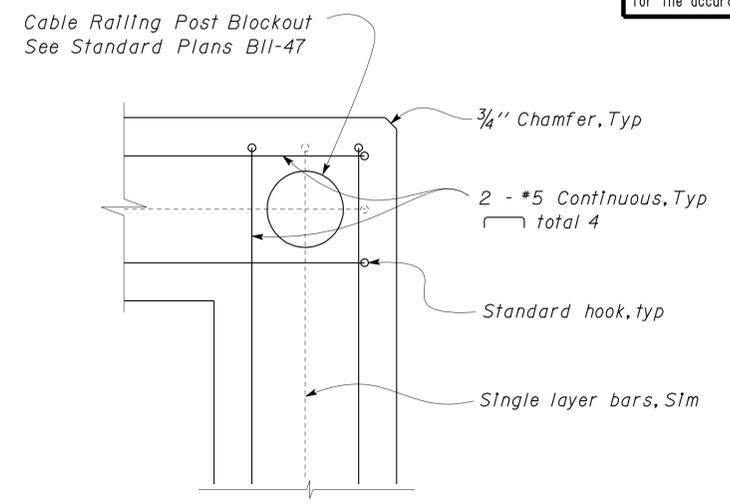
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	42	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



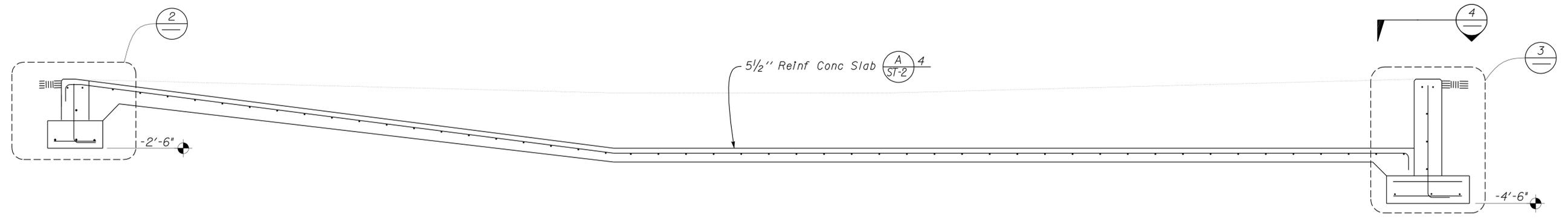
2 RAMP SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"



4 CORNER REINFORCEMENT
Scale 2" = 1'-0"



1 BASIN SECTION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

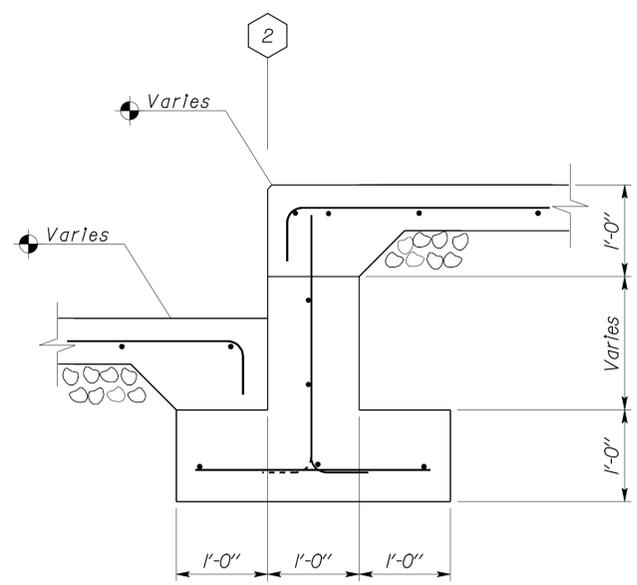
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5704
POST MILE	COULTEVILLE MS

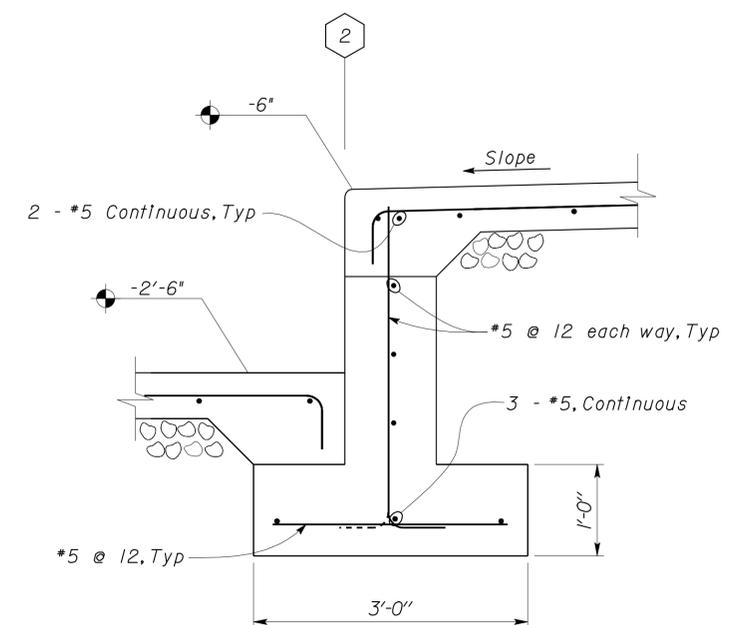
DISTRICT 10 WASHRACKS
BASIN SECTION

SHEET **ST1-8**

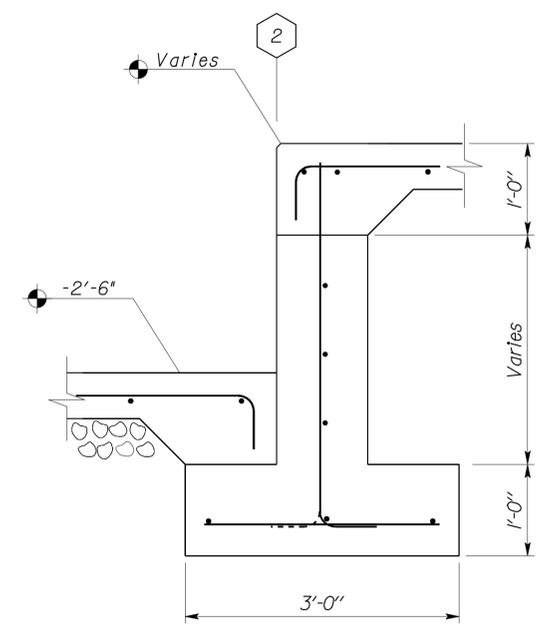
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amo, Mps, Tuo	49,120	Var	43	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



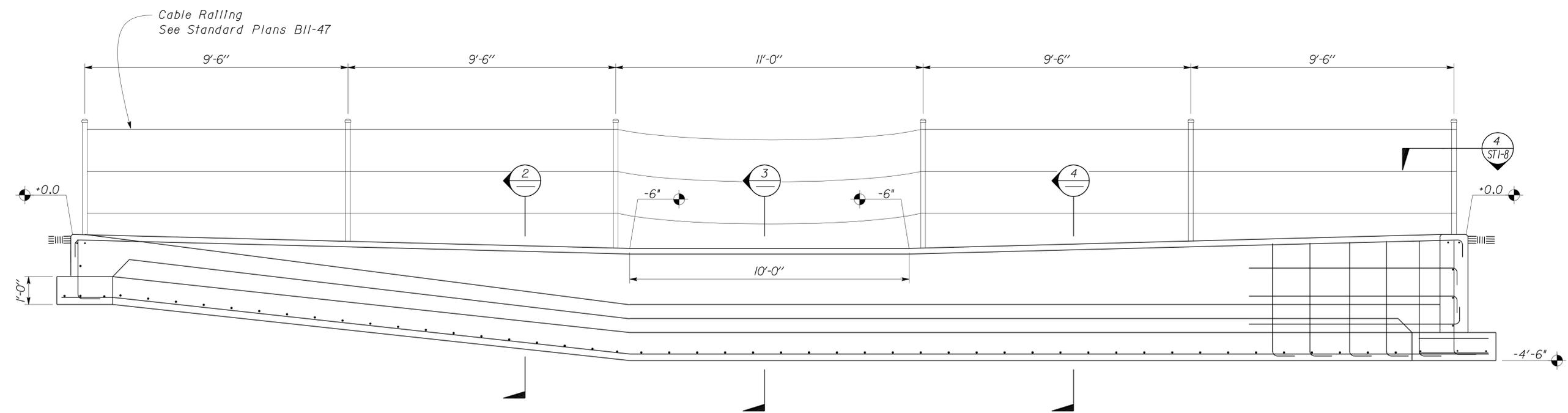
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"



4 WALL SECTION
Scale 1" = 1'-0"



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

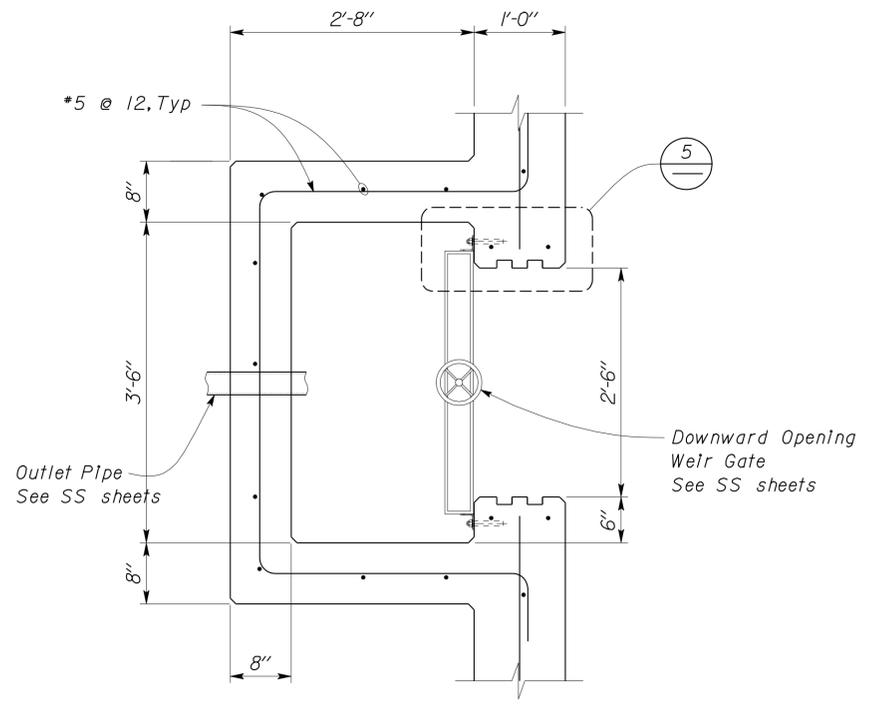
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5704
POST MILE	COULTERVILLE MS

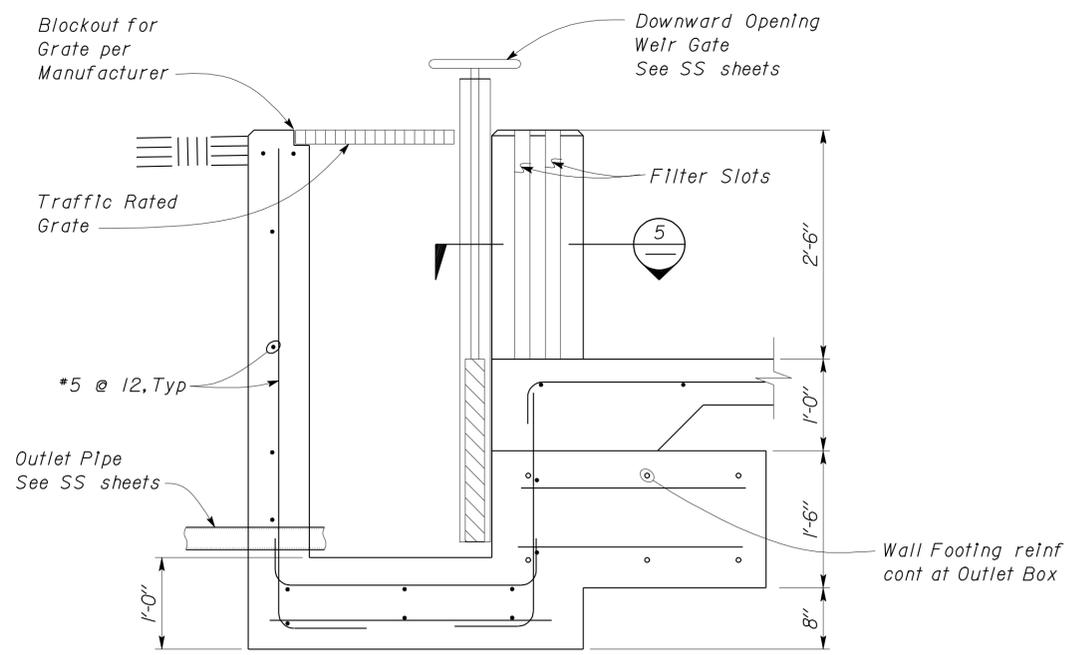
DISTRICT 10 WASHRACKS
WALL ELEVATION

SHEET **ST1-9** OF

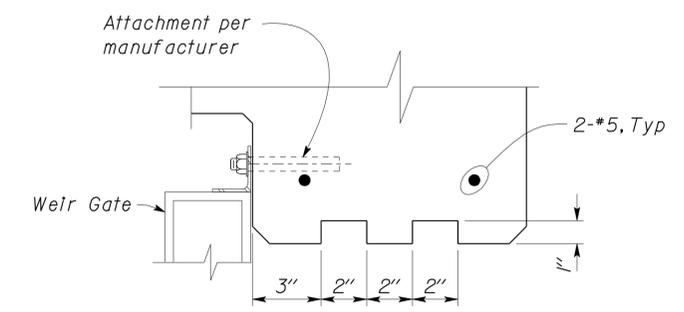
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	44	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



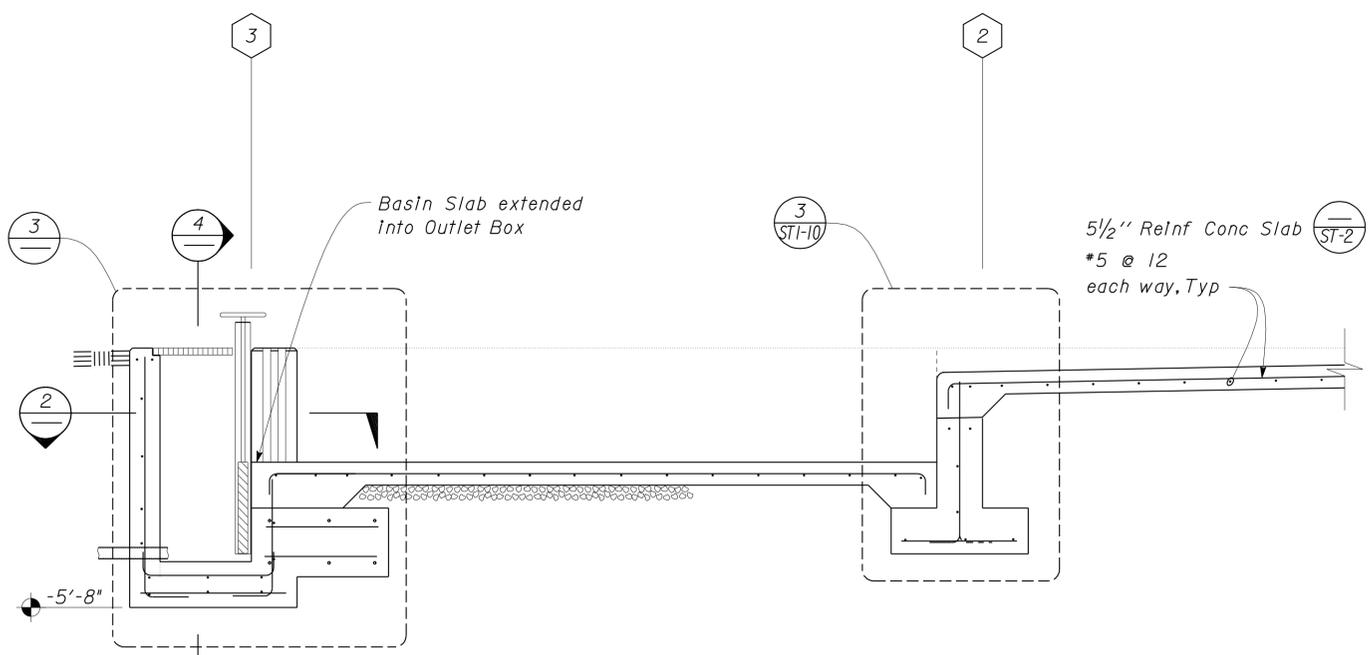
2 OUTLET BOX SECTION
Scale 1" = 1'-0"



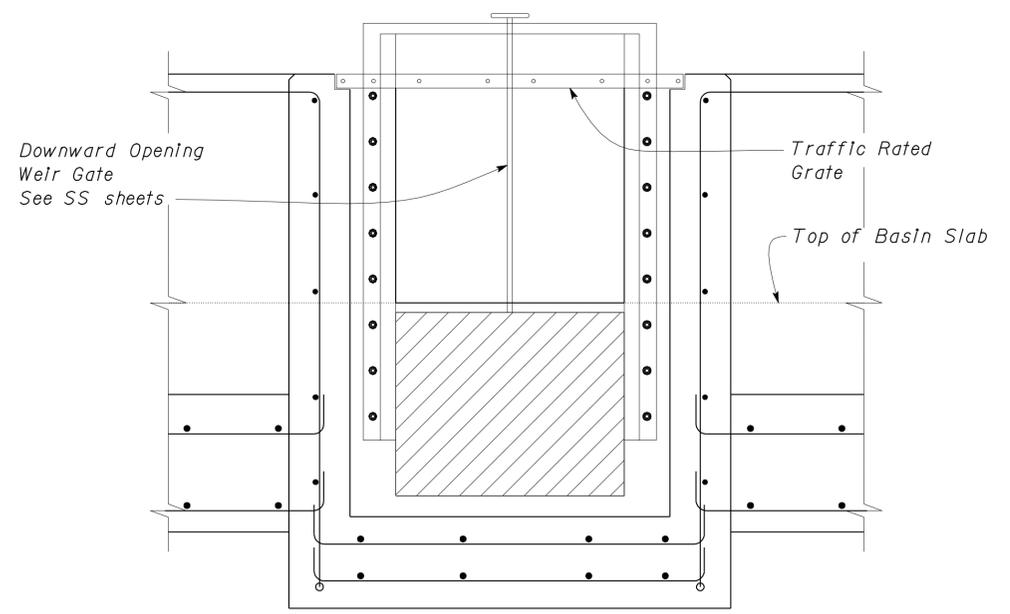
3 OUTLET BOX DETAIL
Scale 1" = 1'-0"



5 FILTER SLOT DETAIL
Scale 3" = 1'-0"

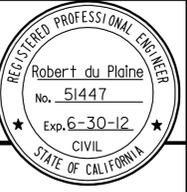


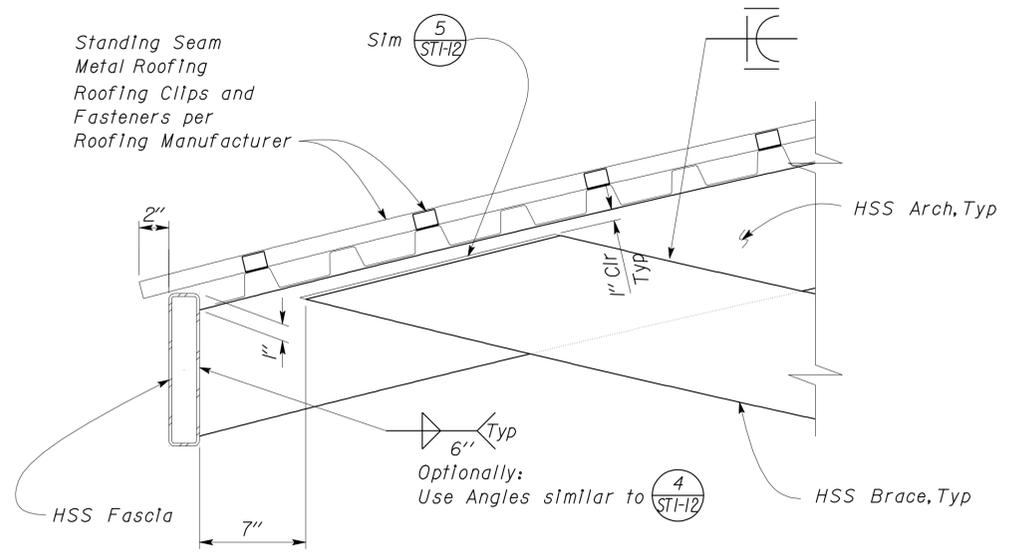
1 BASIN & SLAB SECTION
Scale 1/2" = 1'-0"



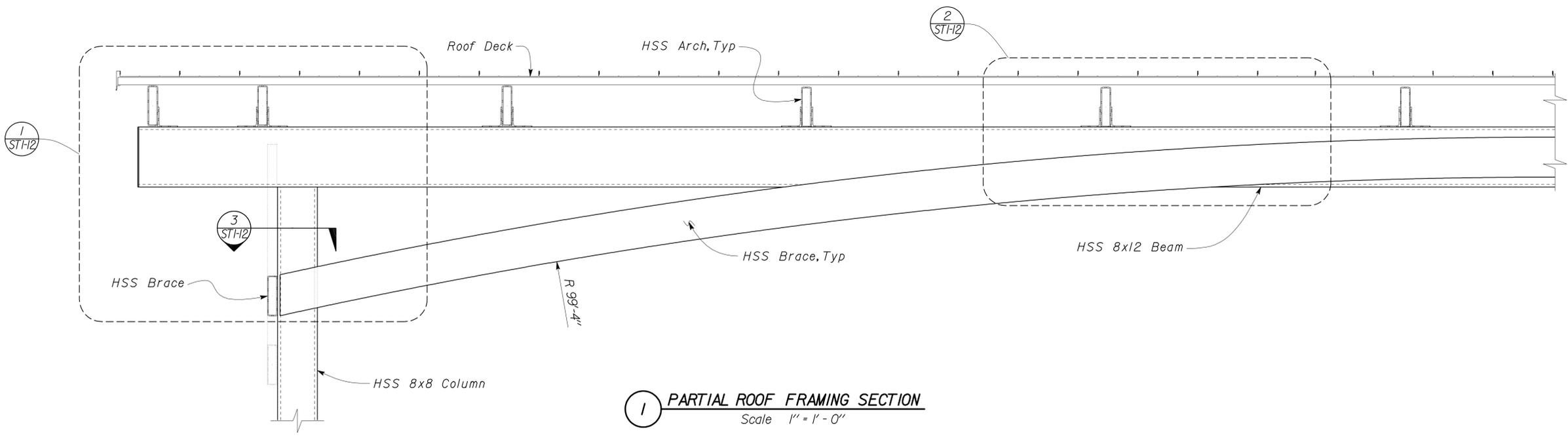
4 OUTLET BOX SECTION
Scale 1" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	COULTERVILLE MS	DISTRICT 10 WASHRACKS OUTLET BOX DETAILS	SHEET ST1-10
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 10-OW5401	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Tuolumne	49,120	Var	45	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



2 ROOFING DETAIL
Scale 2" = 1' - 0"



1 PARTIAL ROOF FRAMING SECTION
Scale 1" = 1' - 0"

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	DISTRICT 10 WASHRACKS	SHEET ST1-11
				DETAILS BY Janice Fujii		
QUANTITIES BY	CHECKED	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		11-01-11		

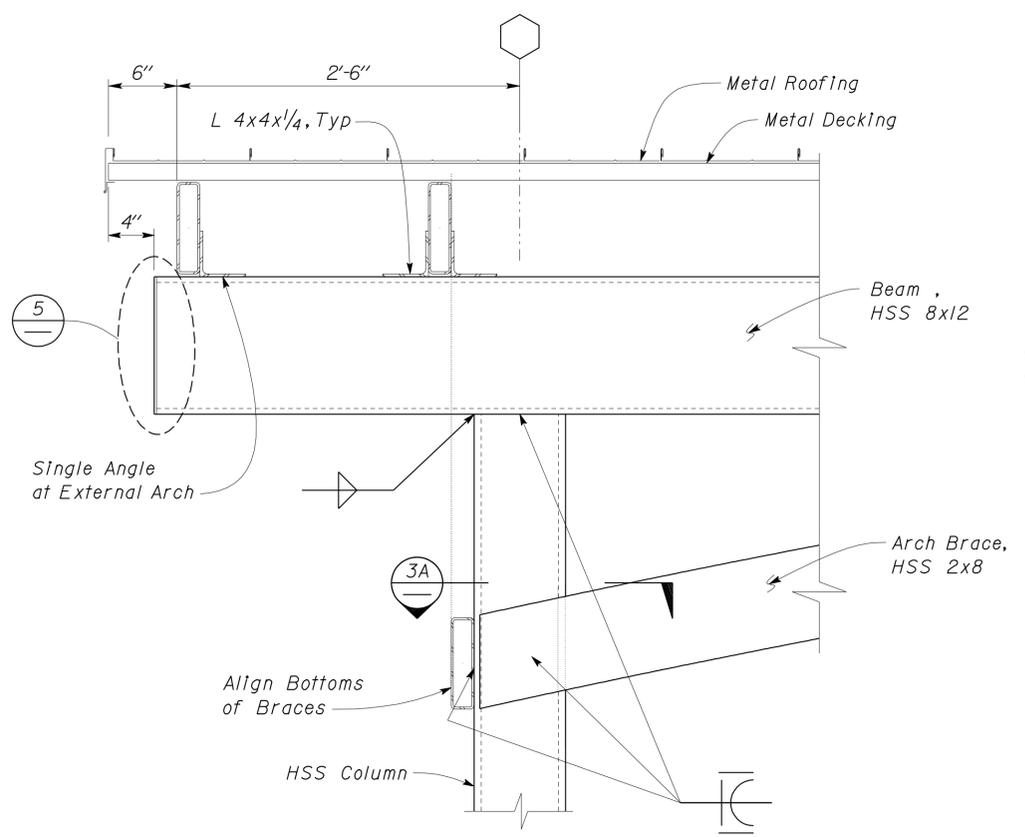
TAEMWW Imperial Rev. 7/10

EA 10-0W5401

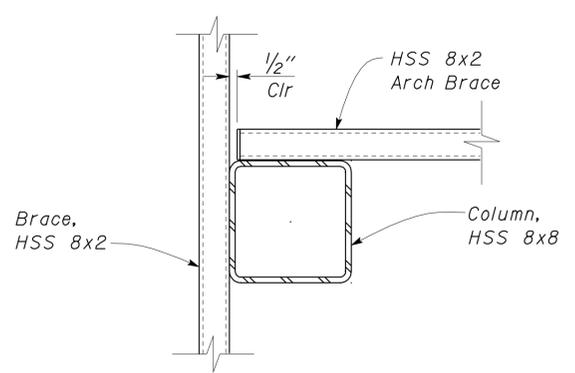
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27-MAR-2012 07:59

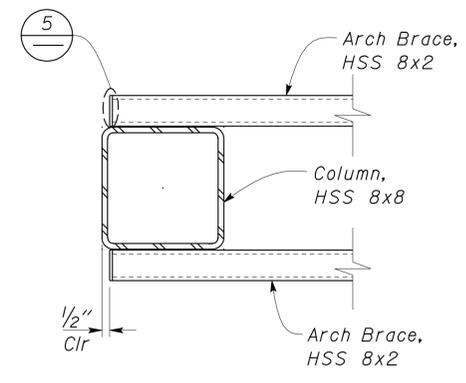
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	46	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



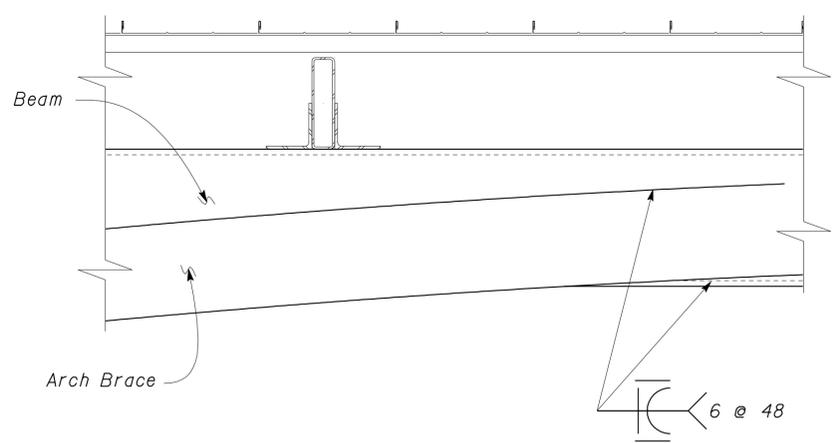
1 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



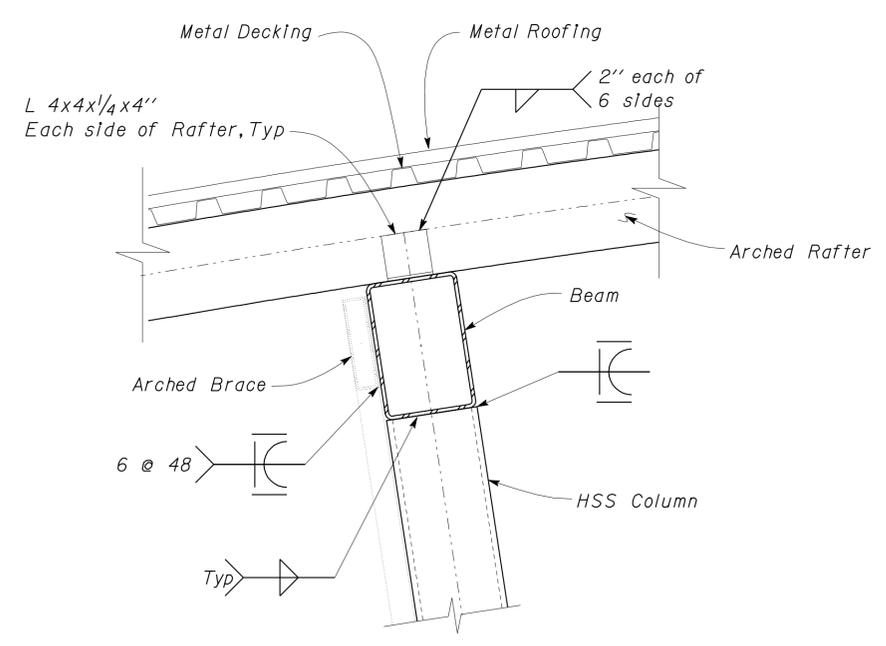
3A COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



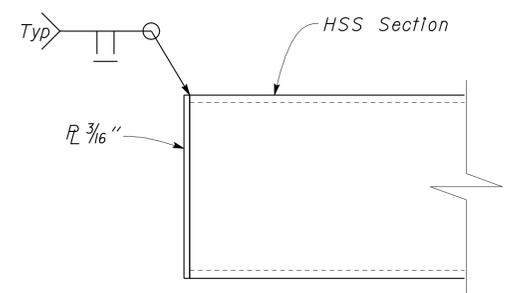
3B COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



2 BRACE TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



4 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



5 END PLATE
No Scale

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

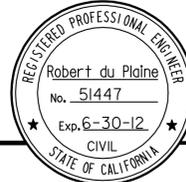
DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5704	DISTRICT 10 WASHRACKS	SHEET ST1-12
				POST MILE COULTEVILLE MS		
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine	UNIT 3599	PROJECT NUMBER & PHASE 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	11-01-11		

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC).

DETAIL NOTES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuu	49,120	Var	47	96




 11-7-11
 REGISTERED CIVIL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.66$ $S_{DS} = 0.56$
 $S_I = 0.33$ $S_{DI} = 0.38$
 Seismic Design Category = D

Seismic Force-Resisting System:
 Ordinary Steel Moment Frame
 $R = 3.5$ $C_S = 0.16$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

SNOW LOAD: 0.0 psf

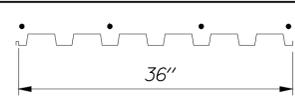
- All miscellaneous metal shall be hot-dipped galvanized after fabrication.
- All lock washers shall be helical spring lock washers.

A METAL DECK NOTES

METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Metal Decking	1.5" x 20 Ga	0.220 in ⁴ /ft	0.235 in ³ /ft	0.246 in ³ /ft	38 Ksi

SCREW SCHEDULE and METAL DECK PROFILE

Metal Deck Profile	Self-Drilling Self-Tapping Screws			Minimum Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - #10 Per Support	#10 @ 12" OC	Button Punch @ 12" OC	350 lb/ft

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3000$ psi
 $F_y = 60,000$ psi

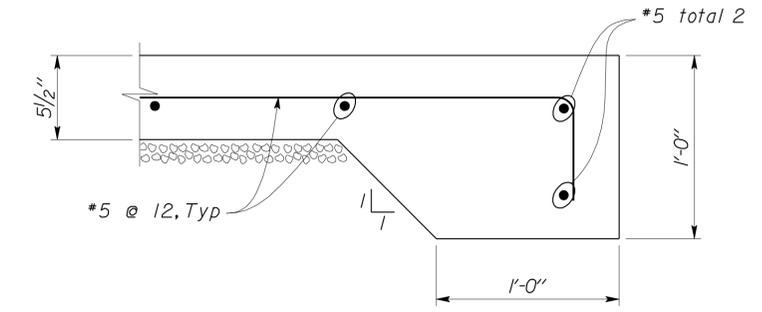
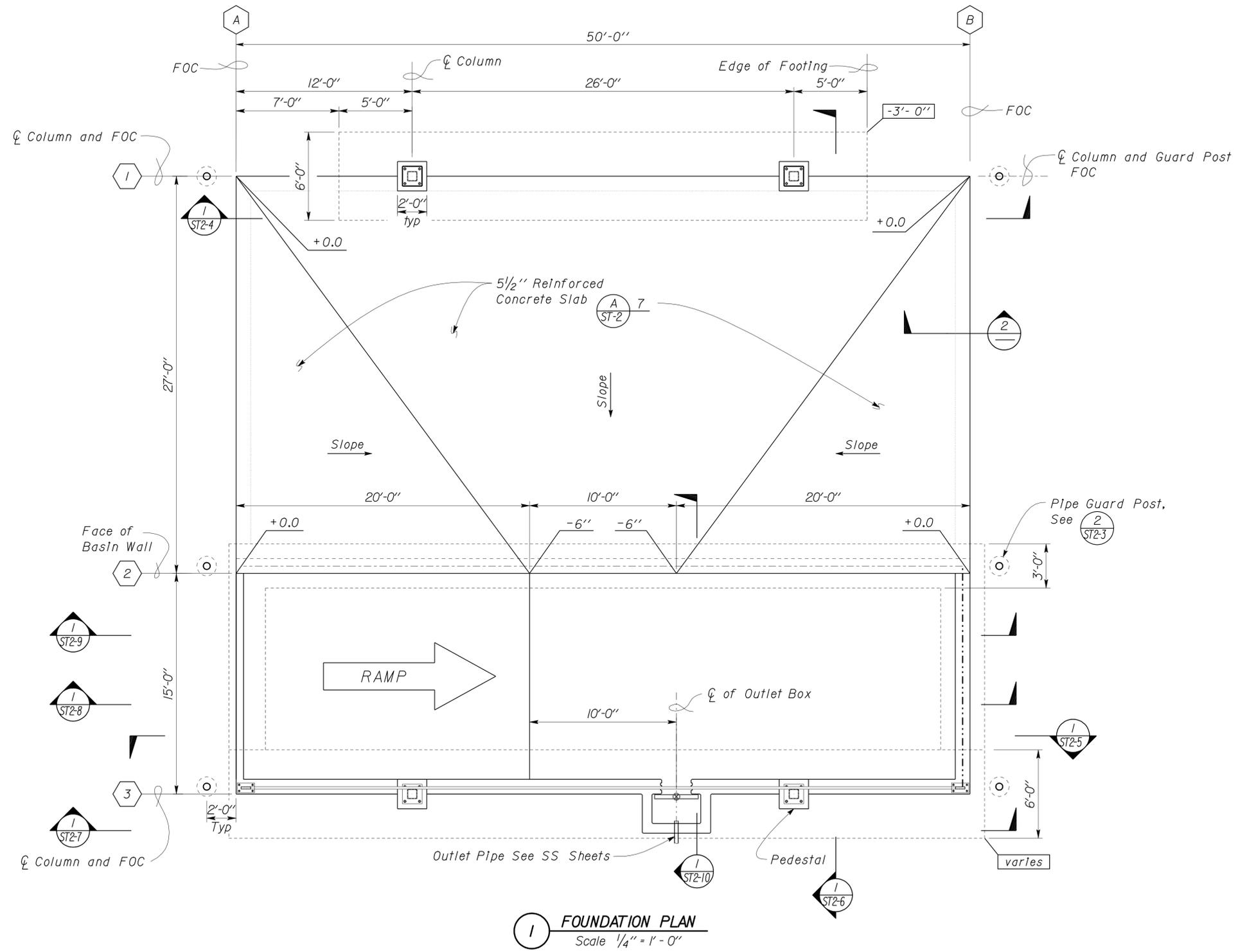
STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Plates $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi

FOUNDATION:
 Allowable Soil Pressure (DL + LL) : = 1,500 psf

DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. M5709	DISTRICT 10 WASHRACKS	SHEET ST2-1
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE IONE MS		
QUANTITIES BY	CHECKED BY		DESIGN CRITERIA AND DETAIL NOTES			

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT PROJECT NUMBER & PHASE: 3599 10000206691
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 11-01-11
 REVISION DATES (PRELIMINARY STAGE ONLY):
 TAEMWW Imperial Rev. 7/10
 EA 10-0W5401
 C:\Documents and Settings\jfuji1\Desktop\Temp2_Ione\st12_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	48	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

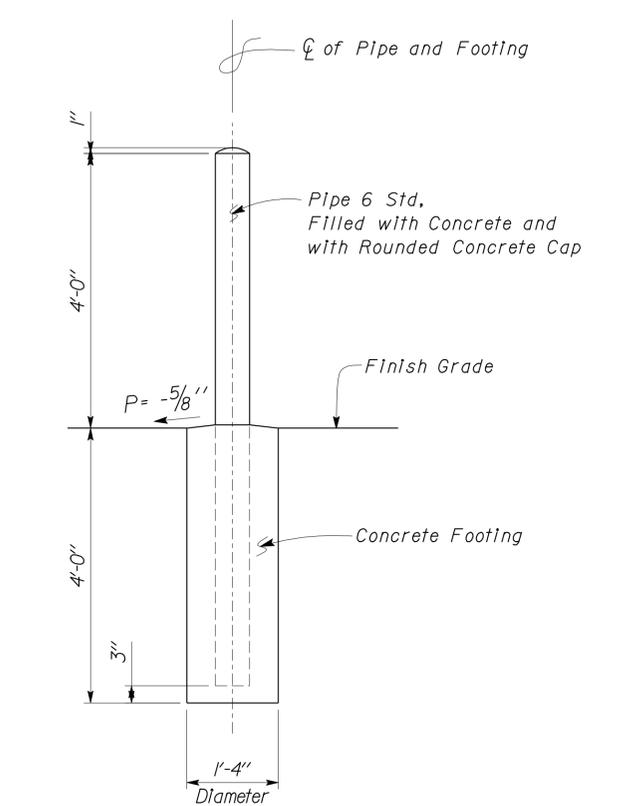
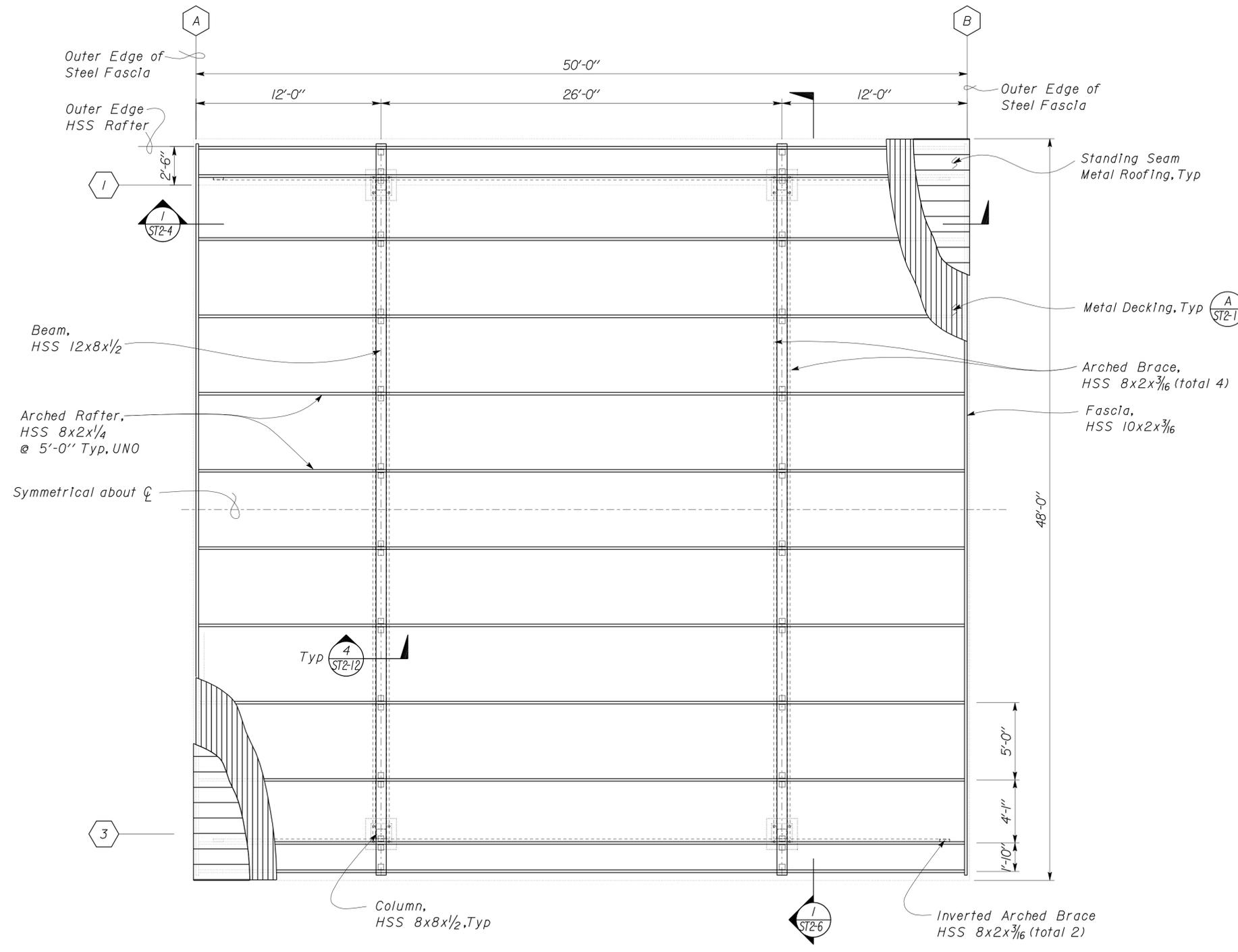


	DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. M5709	DISTRICT 10 WASHRACKS FOUNDATION PLAN	SHEET OF ST2-2
	DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE IONE MS		
QUANTITIES BY	CHECKED	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	49	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

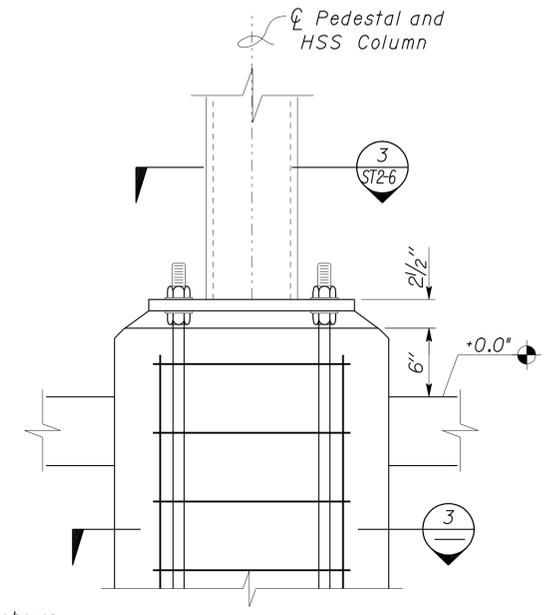
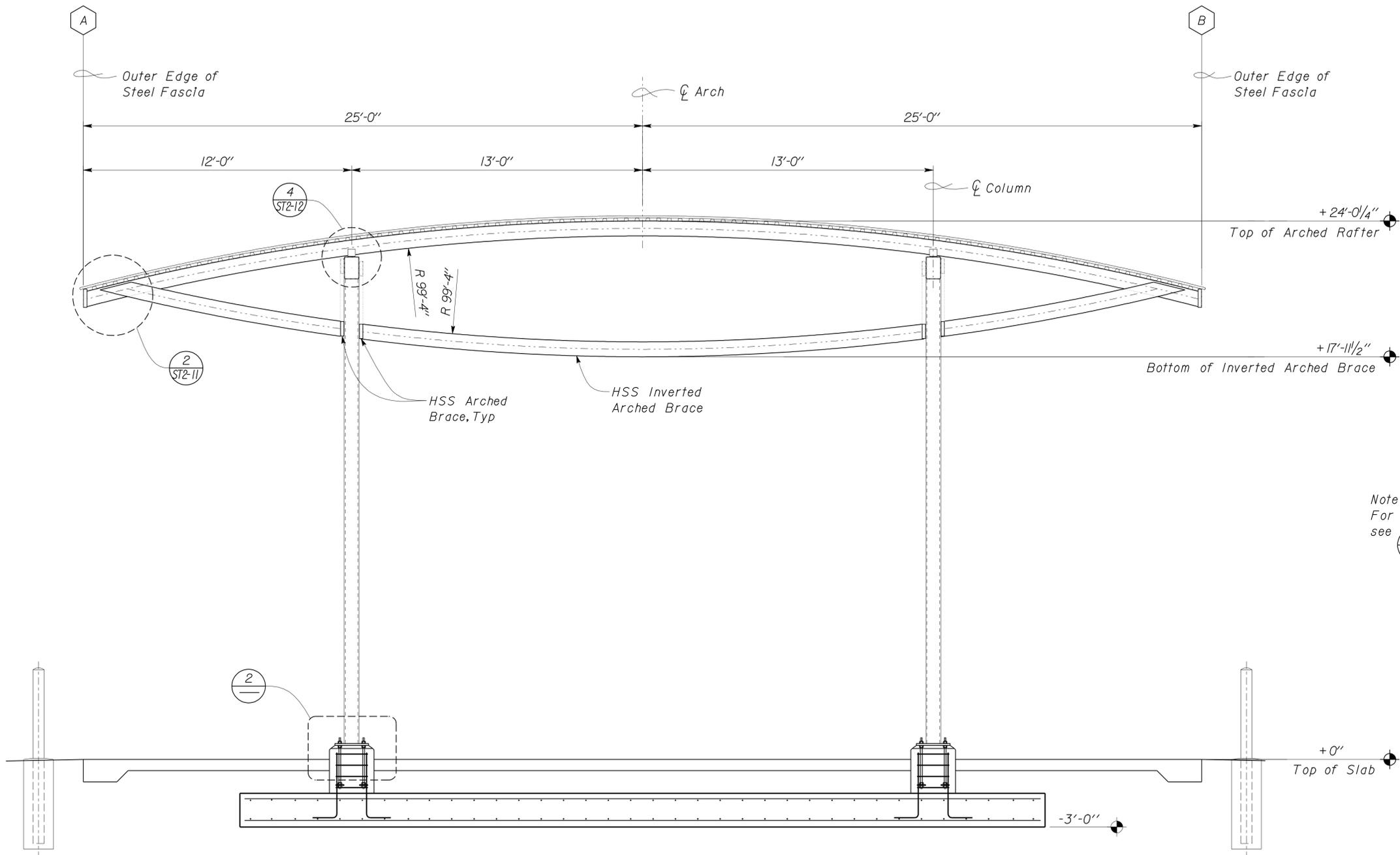


1 ROOF FRAMING PLAN
Scale 1/4" = 1'-0"

2 PIPE GUARD POST DETAIL
Scale 3/4" = 1'-0"

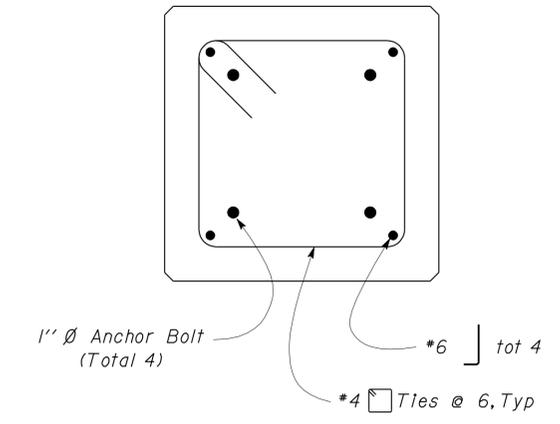
DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5709	DISTRICT 10 WASHRACKS	SHEET ST2-3
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine		
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3	EA 10-0W5401	11-01-11		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	50	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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Note
For details not shown,
see ST2-6

COLUMN PEDESTAL DETAIL
Scale 1 1/2" = 1' - 0"

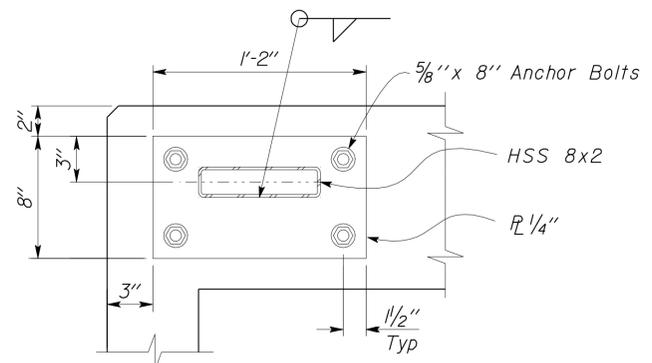


COLUMN PEDESTAL SECTION
Scale 1 1/2" = 1' - 0"

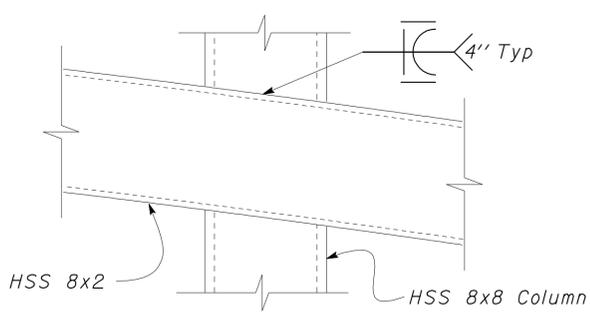
CANOPY SECTION
Scale 3/8" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5709	IONE MS	DISTRICT 10 WASHRACKS CANOPY SECTION	SHEET ST2-4
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE EA 10-0W5401	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEMWW Imperial Rev. 7/10		0 1 2 3		11-01-11		C:\Documents and Settings\jfuji1\Desktop\Temp2\ione\st2_04.dgn		27-MAR-2012 06:20

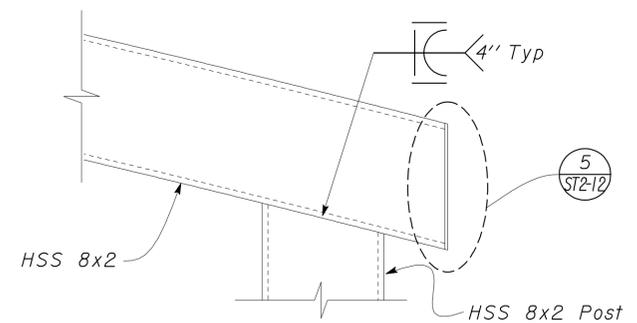
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	51	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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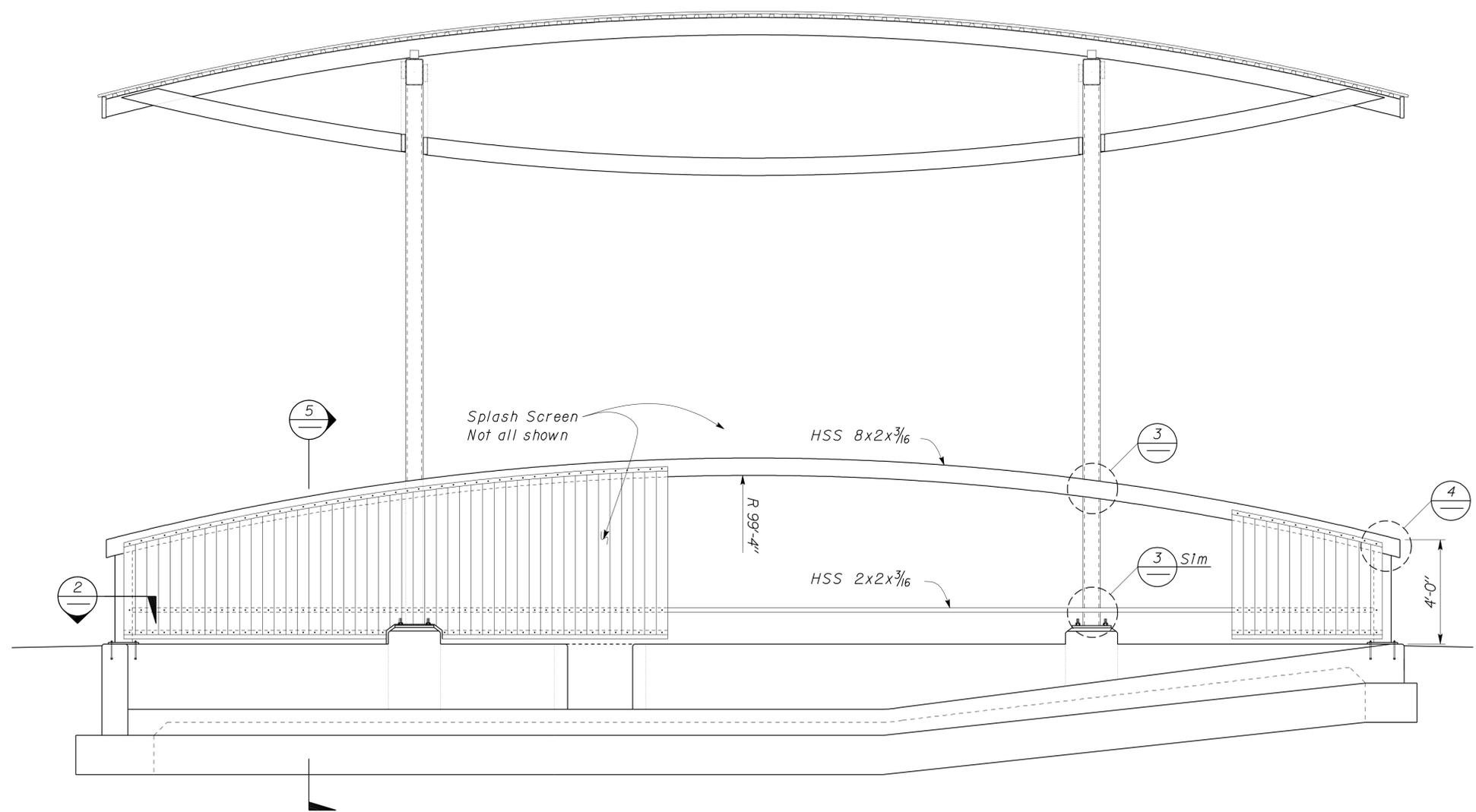
2 BASEPLATE TO POST DETAIL
Scale 2" = 1'-0"



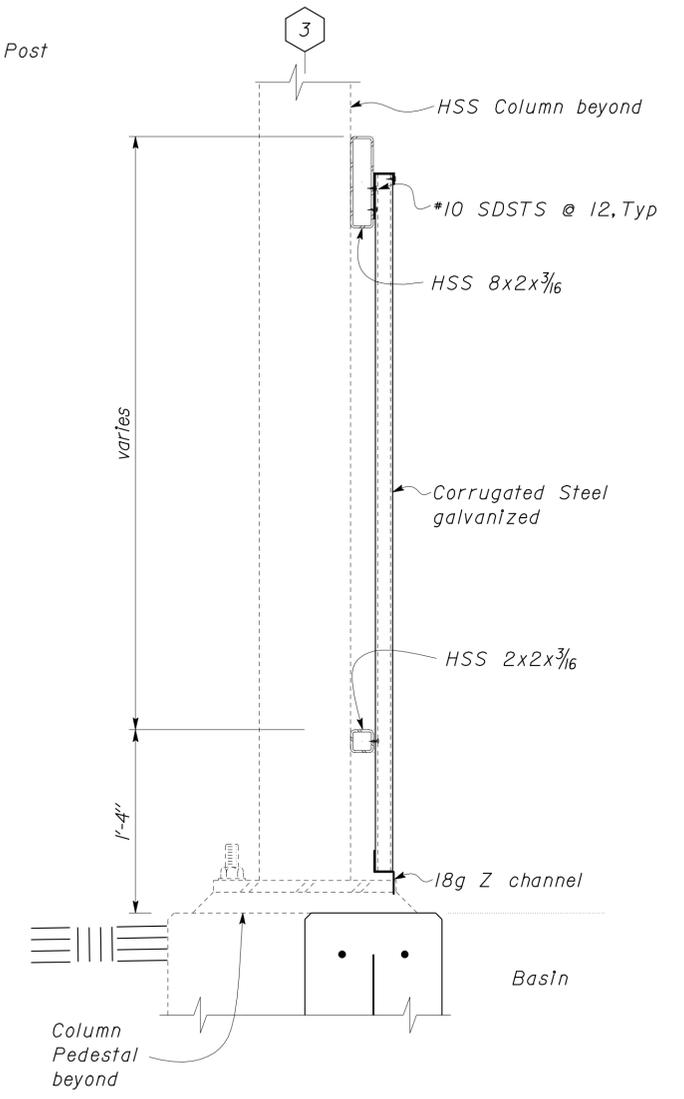
3 BRACE TO COLUMN DETAIL
Scale 2" = 1'-0"



4 BRACE TO POST DETAIL
Scale 2" = 1'-0"



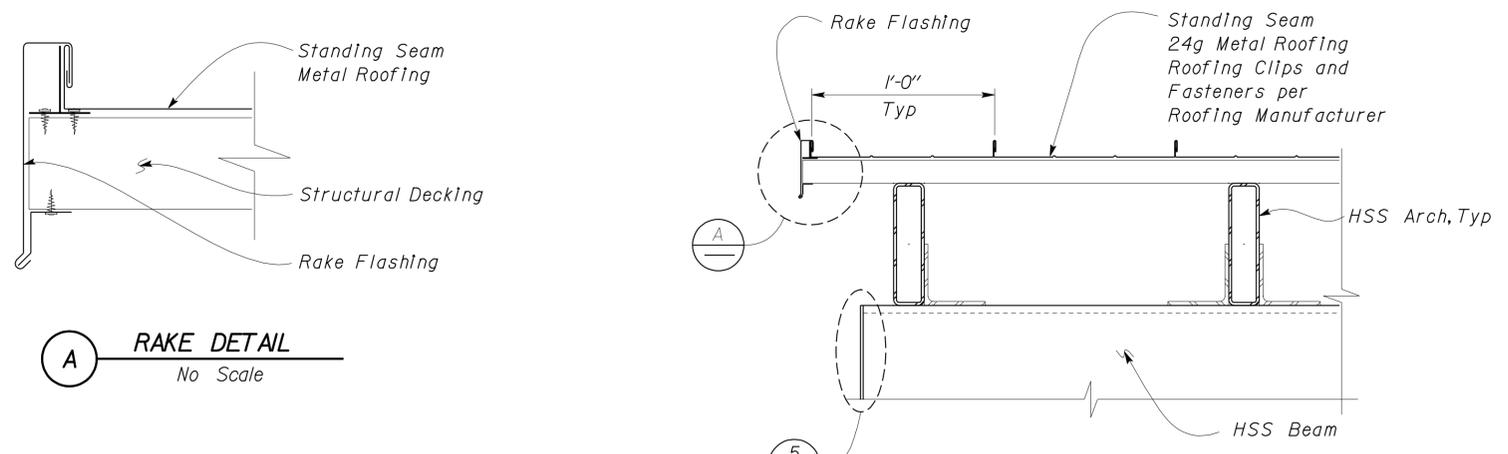
1 SPLASH SCREEN DETAILS
Scale 3/8" = 1'-0"



5 SPLASH SCREEN SECTION
Scale 1 1/2" = 1'-0"

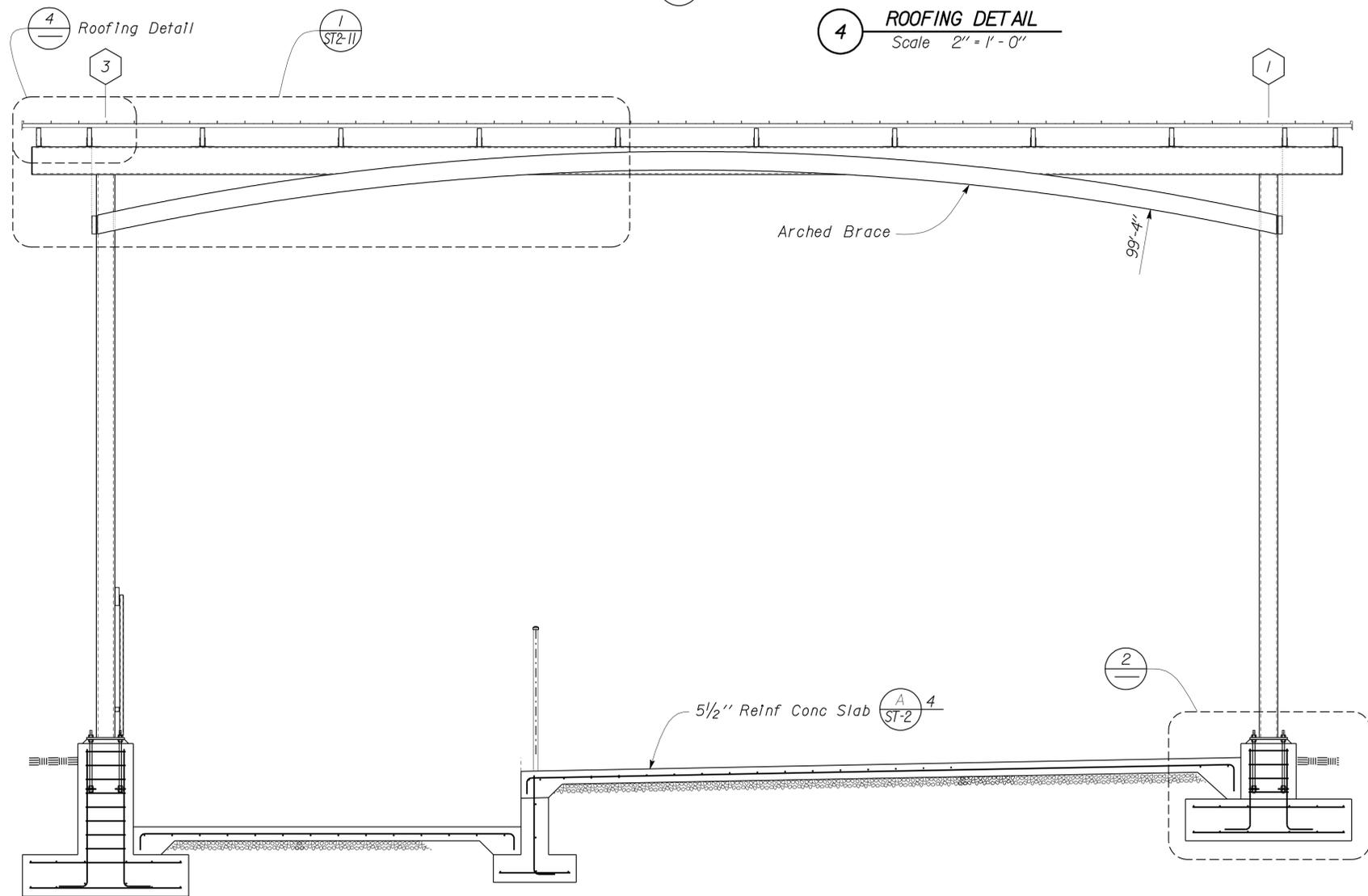
DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5709	DISTRICT 10 WASHRACKS	SHEET ST2-5
				POST MILE IONE MS		
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	EA 10-0W5401	C:\Documents and Settings\jfuji\Desktop\Temp2\ione\st2_05.dgn			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	52	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
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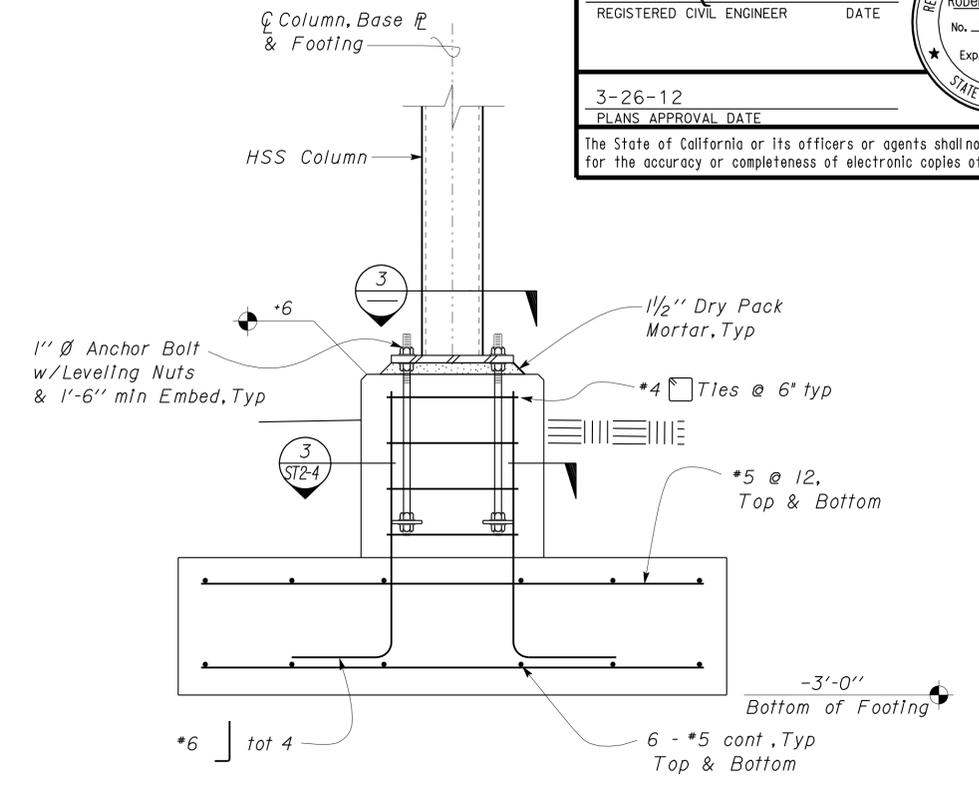


A RAKE DETAIL
No Scale

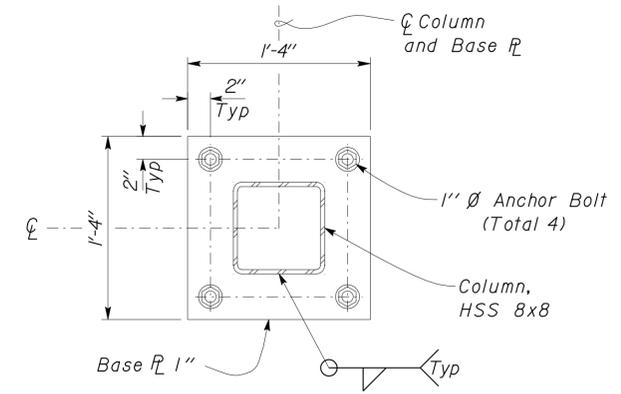
4 ROOFING DETAIL
Scale 2" = 1' - 0"



1 CANOPY SECTION
Scale 3/8" = 1' - 0"



2 CANOPY FOOTING DETAIL
Scale 1" = 1' - 0"



3 BASE PLATE DETAIL
Scale 1 1/2" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5709	IONE MS	DISTRICT 10 WASHRACKS CANOPY SECTION	SHEET ST2-6
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 10-0W5401	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE

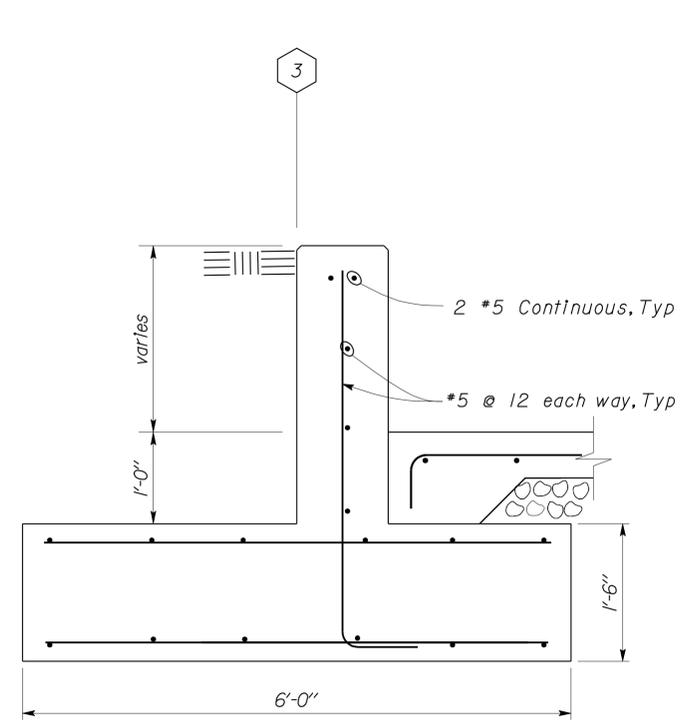
DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

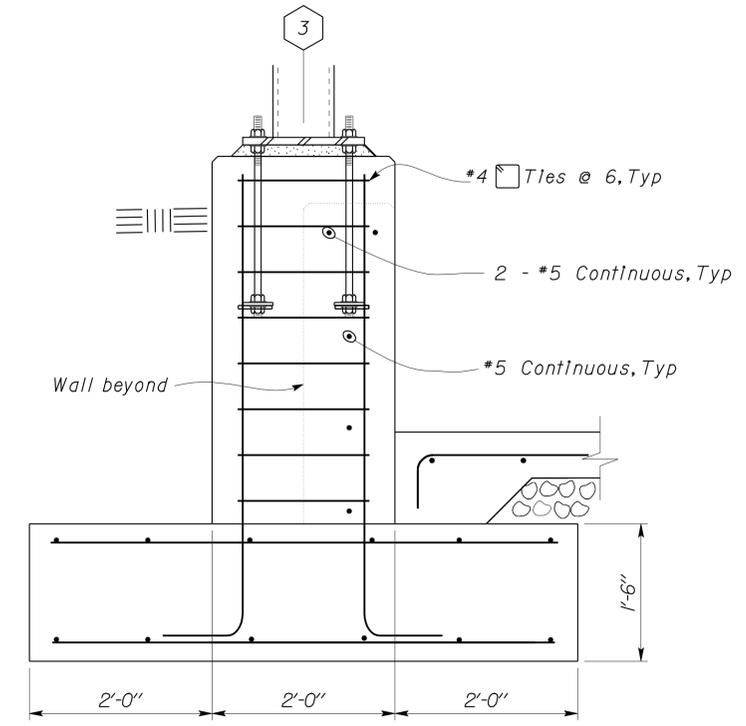
SHEET OF

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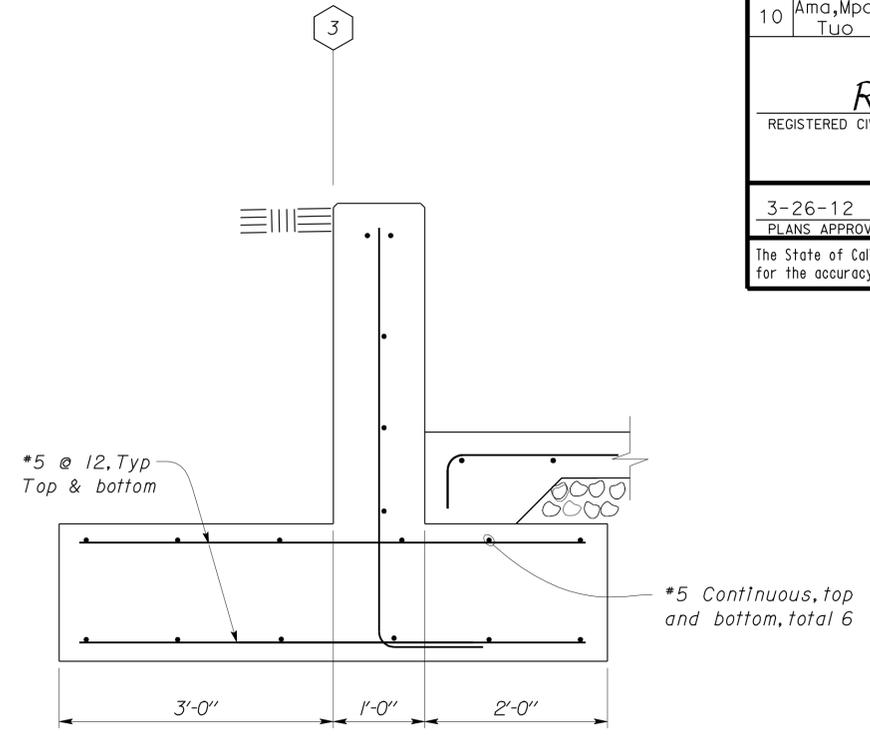
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tu	49,120	Var	53	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



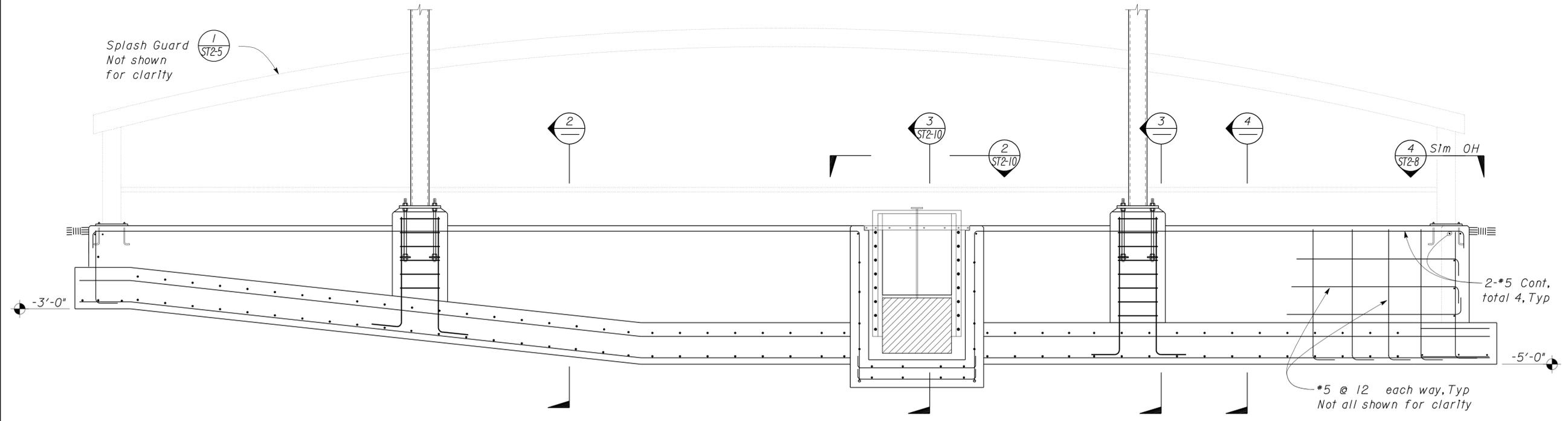
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"
Note: For Details not shown, see 2



4 WALL SECTION
Scale 1" = 1'-0"



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

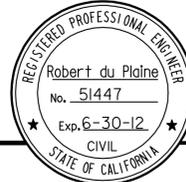
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

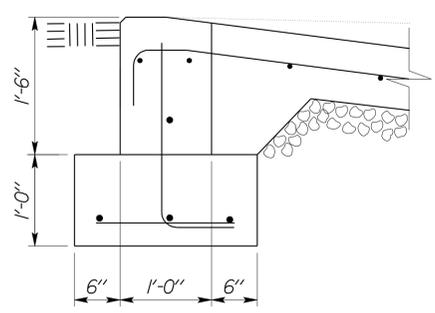
BRIDGE NO.	M5709
POST MILE	IONE MS

DISTRICT 10 WASHRACKS

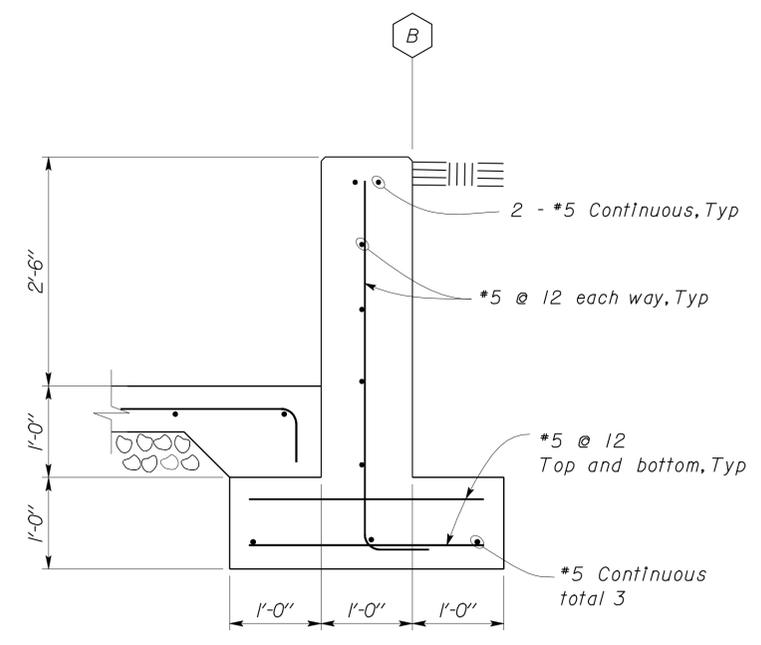
WALL ELEVATION

SHEET **ST2-7** OF

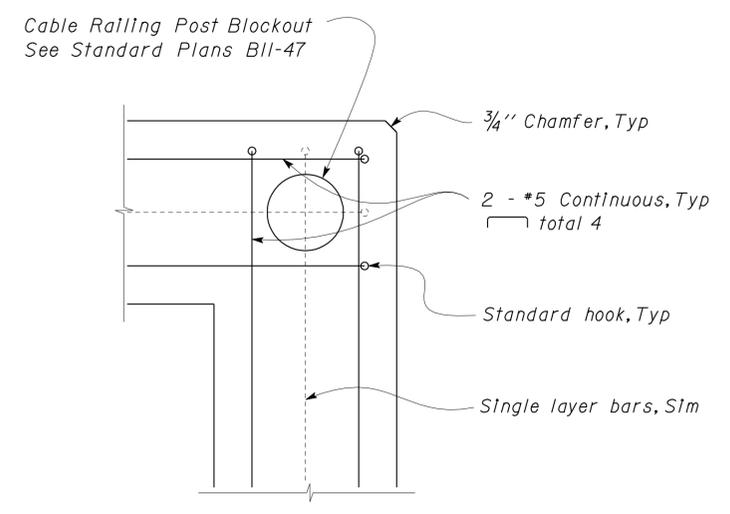
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	54	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



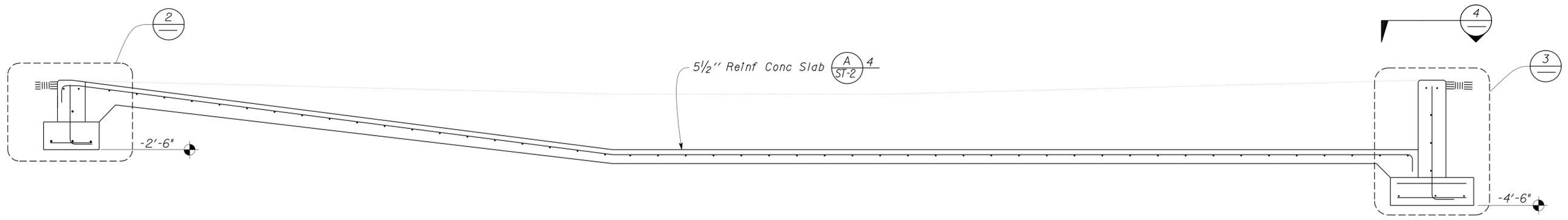
2 RAMP SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"

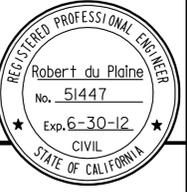


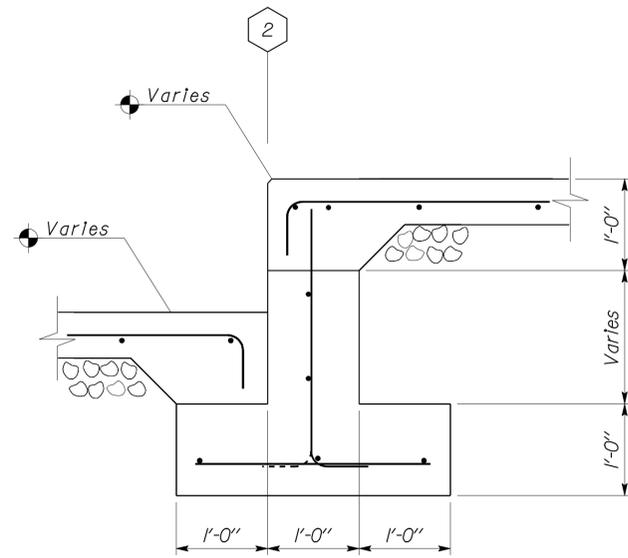
4 CORNER REINFORCEMENT
Scale 2" = 1'-0"



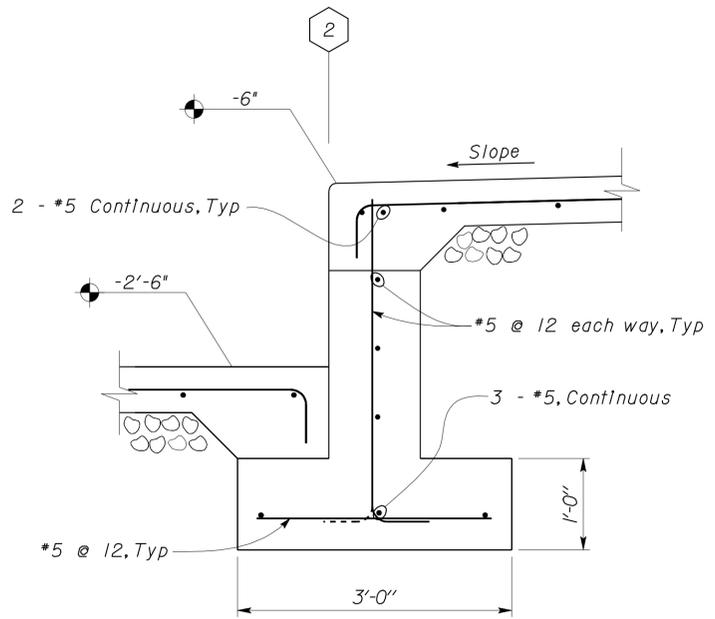
1 BASIN SECTION
Scale 1/2" = 1'-0"

DESIGN	BY	Robert du Plaine	CHECKED	Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	M5709	DISTRICT 10 WASHRACKS	SHEET ST2-8
	DETAILS	BY	Janice Fujii	CHECKED			Robert du Plaine	POST MILE		
QUANTITIES	BY		CHECKED		UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	11-01-11	
TAEMWW Imperial Rev. 7/10					PROJECT NUMBER & PHASE		10000206691	EA 10-0W5401		C:\Documents and Settings\jfuji\Desktop\Temp2_ione\st2_08.dgn

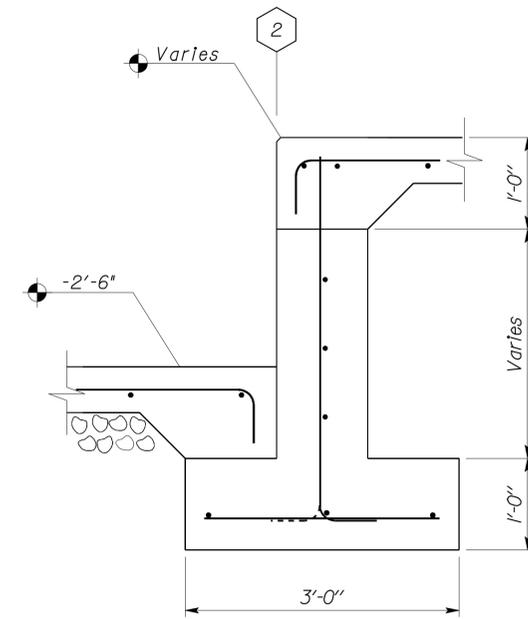
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	55	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



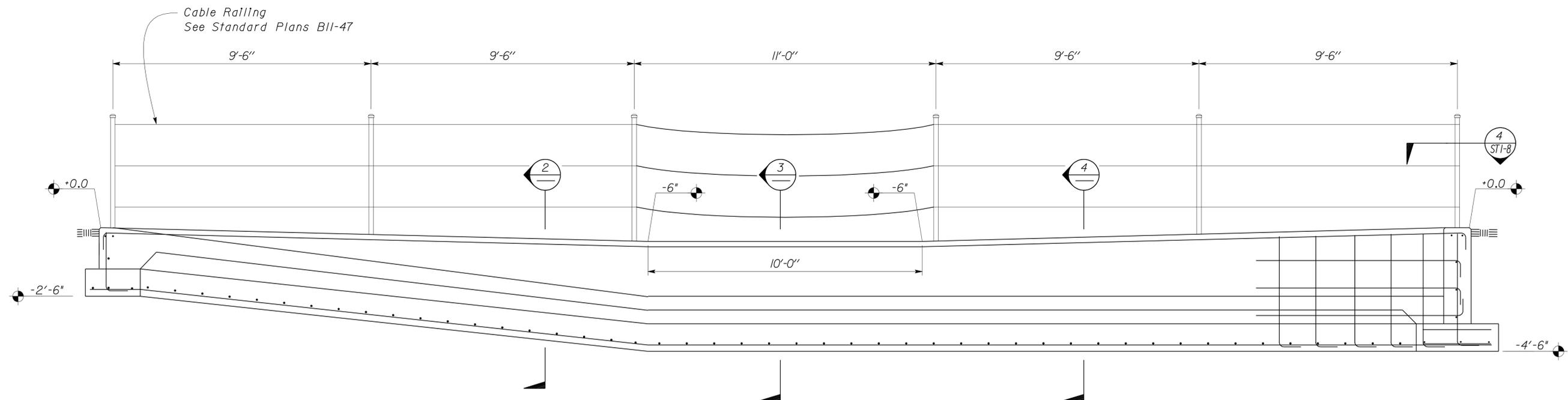
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"



4 WALL SECTION
Scale 1" = 1'-0"



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

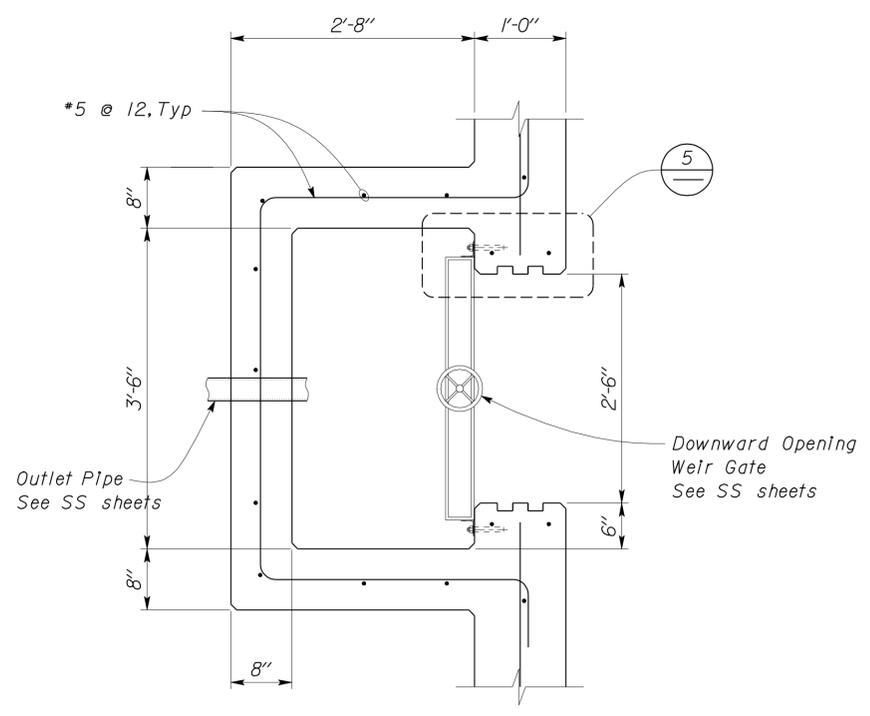
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5709
POST MILE	IONE MS

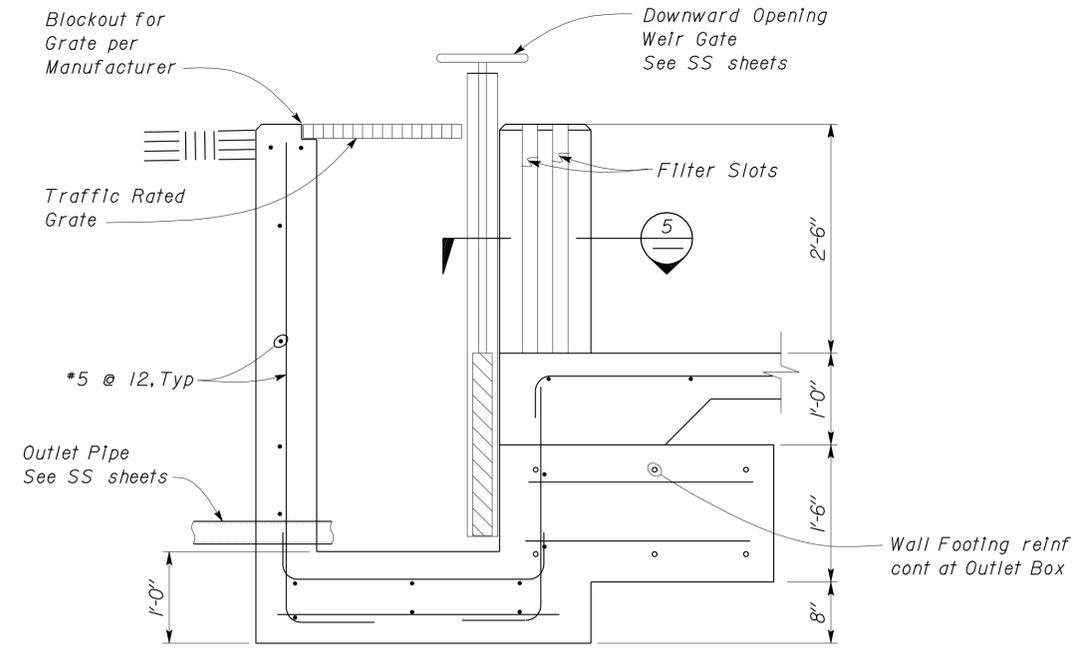
DISTRICT 10 WASHRACKS
WALL ELEVATION

SHEET **ST2-9** OF

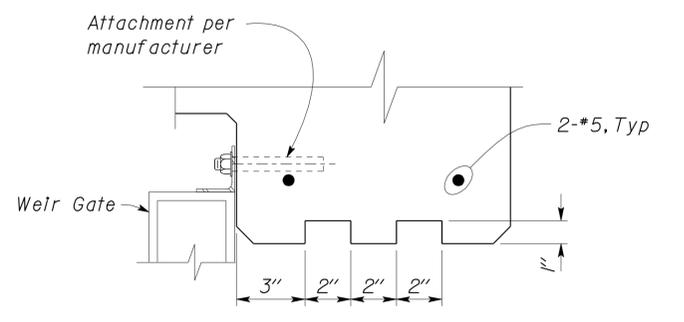
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	56	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



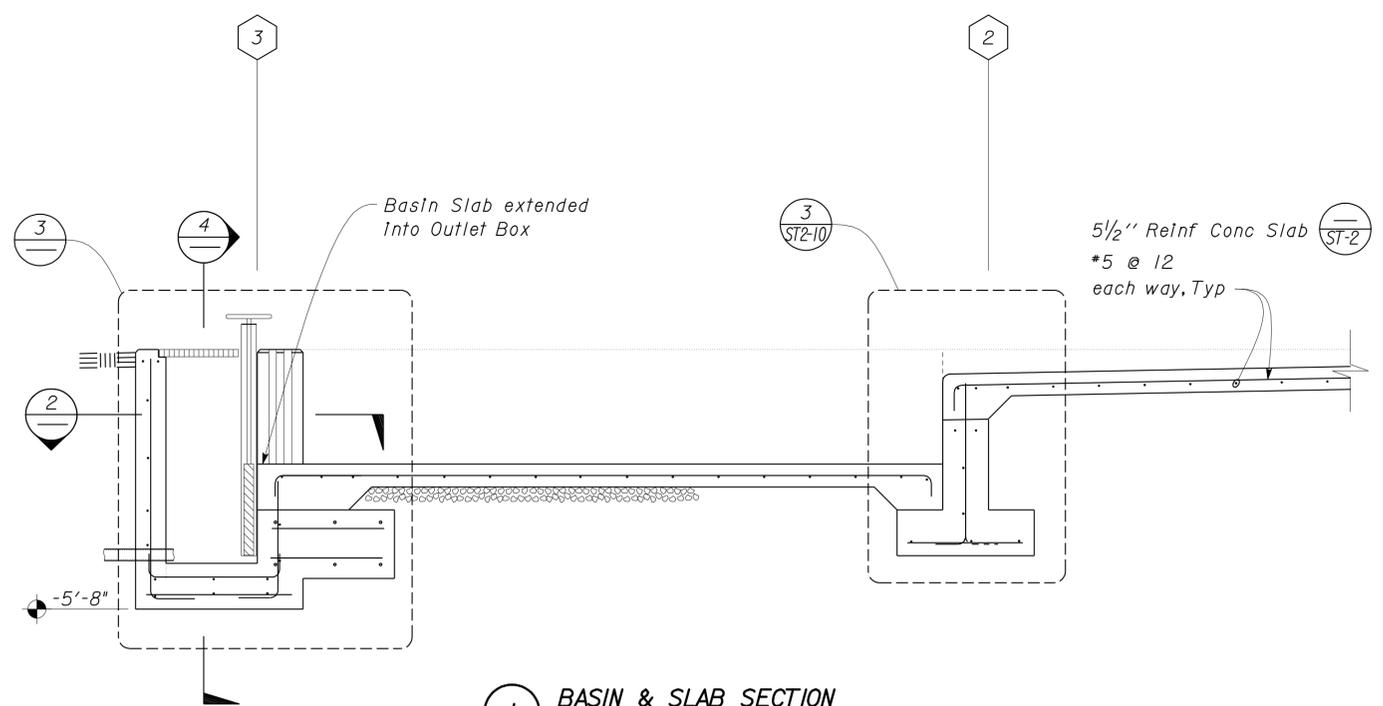
2 OUTLET BOX SECTION
Scale 1" = 1'-0"



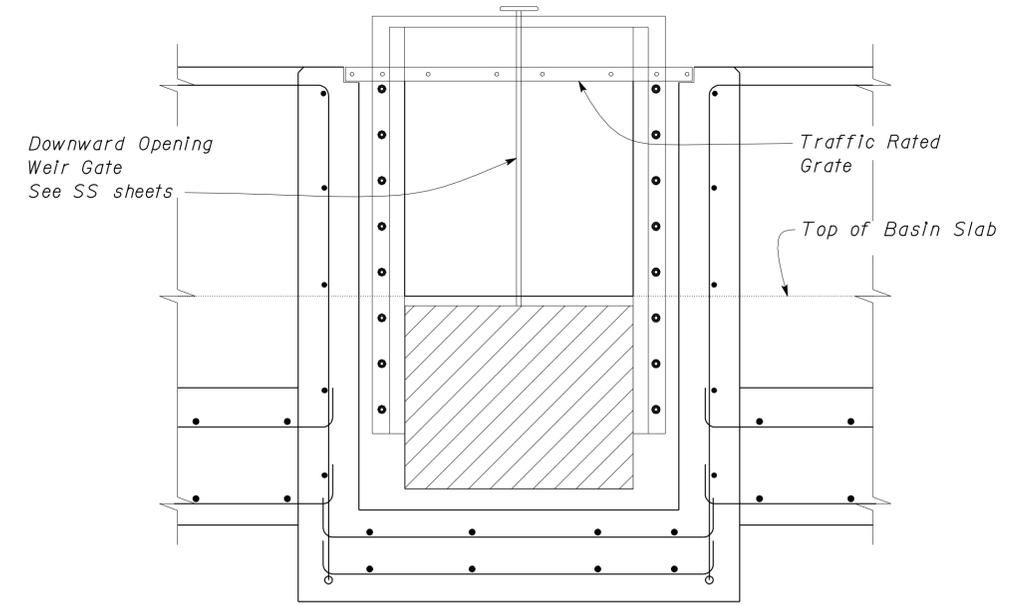
3 OUTLET BOX DETAIL
Scale 1" = 1'-0"



5 FILTER SLOT DETAIL
Scale 3" = 1'-0"



1 BASIN & SLAB SECTION
Scale 1/2" = 1'-0"



4 OUTLET BOX SECTION
Scale 1" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

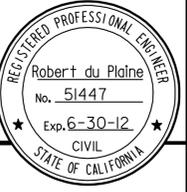
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

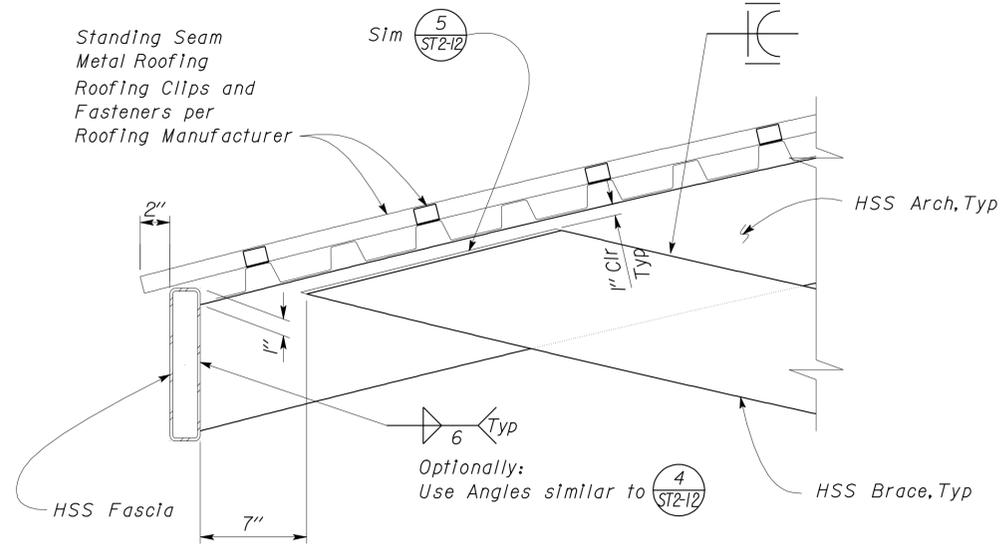
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5709
POST MILE	IONE MS

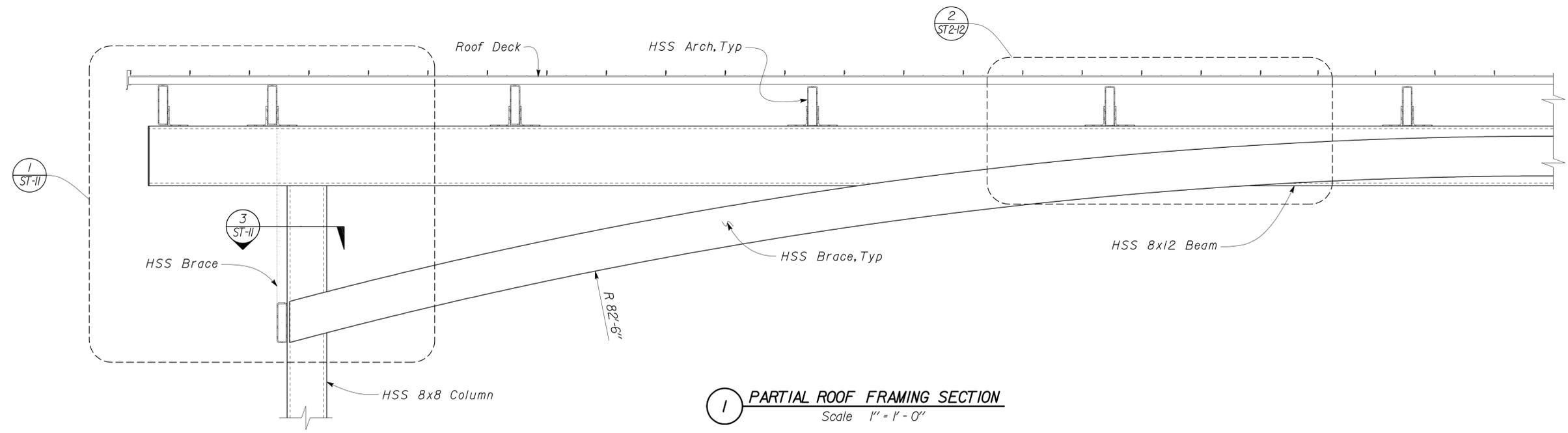
DISTRICT 10 WASHRACKS
OUTLET BOX DETAILS

SHEET
ST2-10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	57	96
RdP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



2 ROOFING DETAIL
Scale 2" = 1'-0"

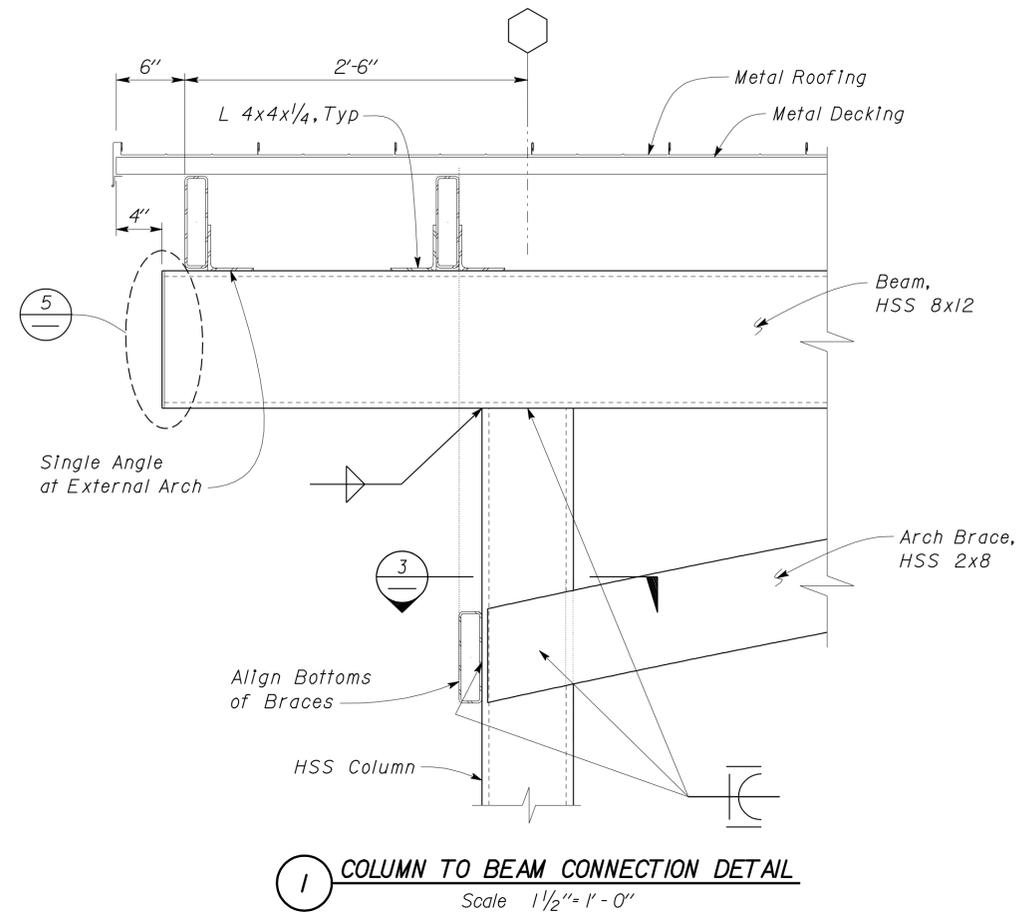


1 PARTIAL ROOF FRAMING SECTION
Scale 1" = 1'-0"

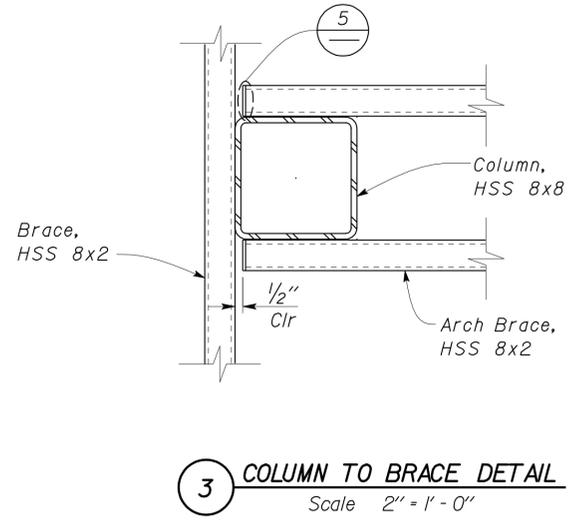
NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET ST2-11
				M5709		
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	IONE MS	CANOPY FRAMING DETAILS
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEMWW Imperial Rev. 7/10	EA 10-0W5401	0 1 2 3	3599 10000206691	11-01-11		

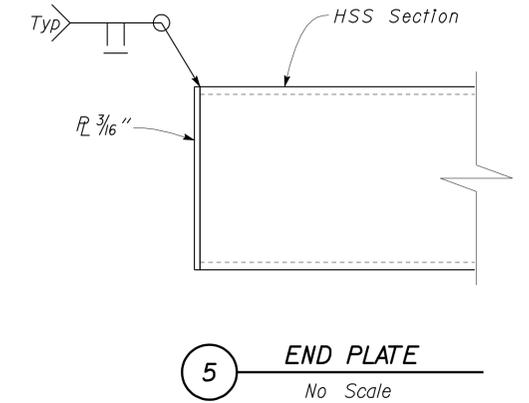
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	58	96
RdP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



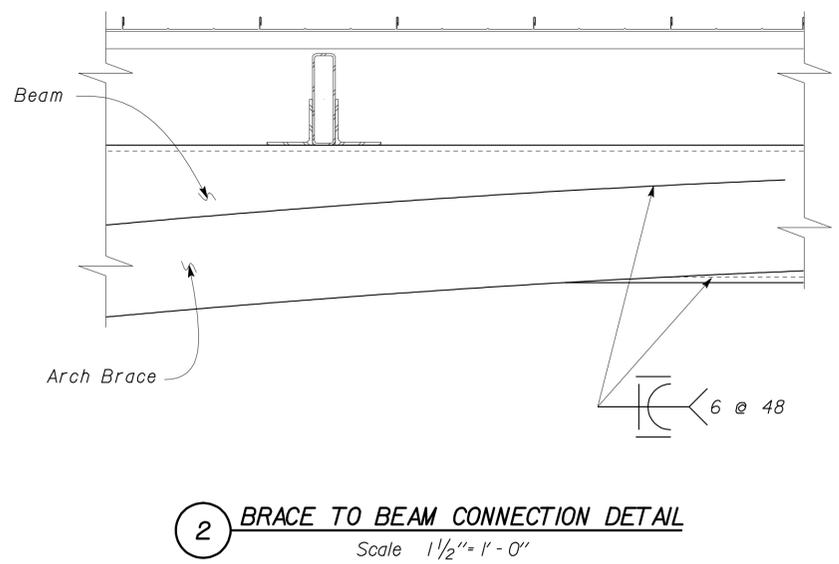
1 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



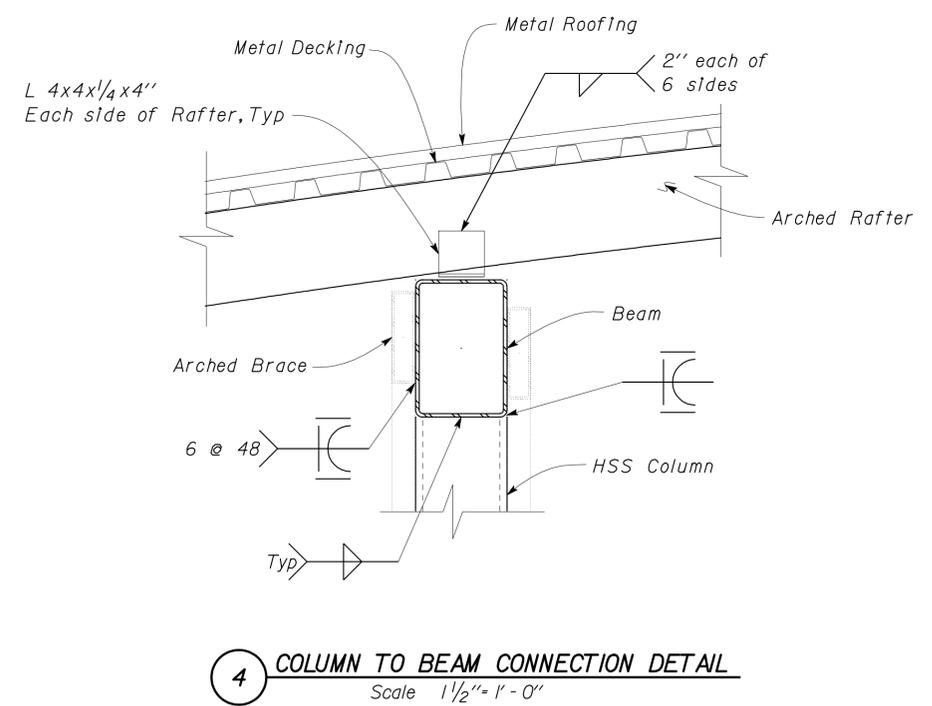
3 COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



5 END PLATE
No Scale



2 BRACE TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



4 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

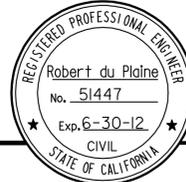
DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET ST2-12
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine		
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3			11-01-11	
EA 10-0W5401			C:\Documents and Settings\jfuji\Desktop\Temp2\lone\st2_12.dgn				

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC).

DETAIL NOTES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	59	96




 11-7-11
 REGISTERED CIVIL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.66$ $S_{DS} = 0.56$
 $S_I = 0.33$ $S_{DI} = 0.38$
 Seismic Design Category = D

Seismic Force-Resisting System:
 Ordinary Steel Moment Frame
 $R = 3.5$ $C_S = 0.16$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

SNOW LOAD: 0.0 psf

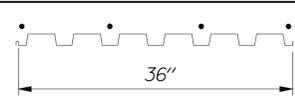
- All miscellaneous metal shall be hot-dipped galvanized after fabrication.
- All lock washers shall be helical spring lock washers.

A METAL DECK NOTES

METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Metal Decking	1.5" x 20 Ga	0.220 in ⁴ /ft	0.235 in ³ /ft	0.246 in ³ /ft	38 Ksi

SCREW SCHEDULE and METAL DECK PROFILE

Metal Deck Profile	Self-Drilling Self-Tapping Screws			Minimum Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - #10 Per Support	#10 @ 12" OC	Button Punch @ 12" OC	350 lb/ft

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3000$ psi
 $F_y = 60,000$ psi

STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Plates $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi

FOUNDATION:
 Allowable Soil Pressure (DL + LL) : = 1,500 psf

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

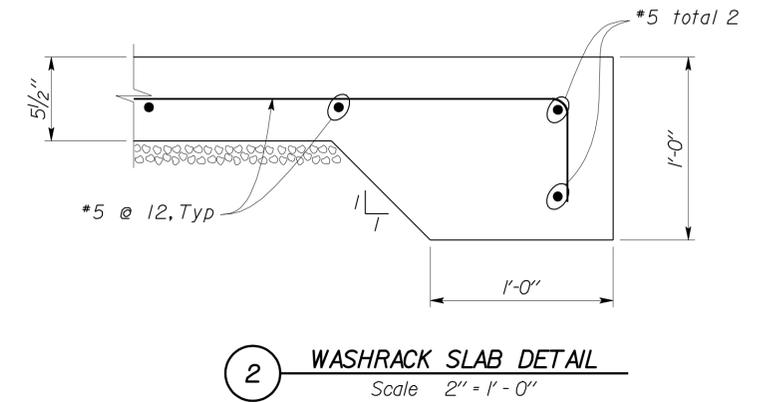
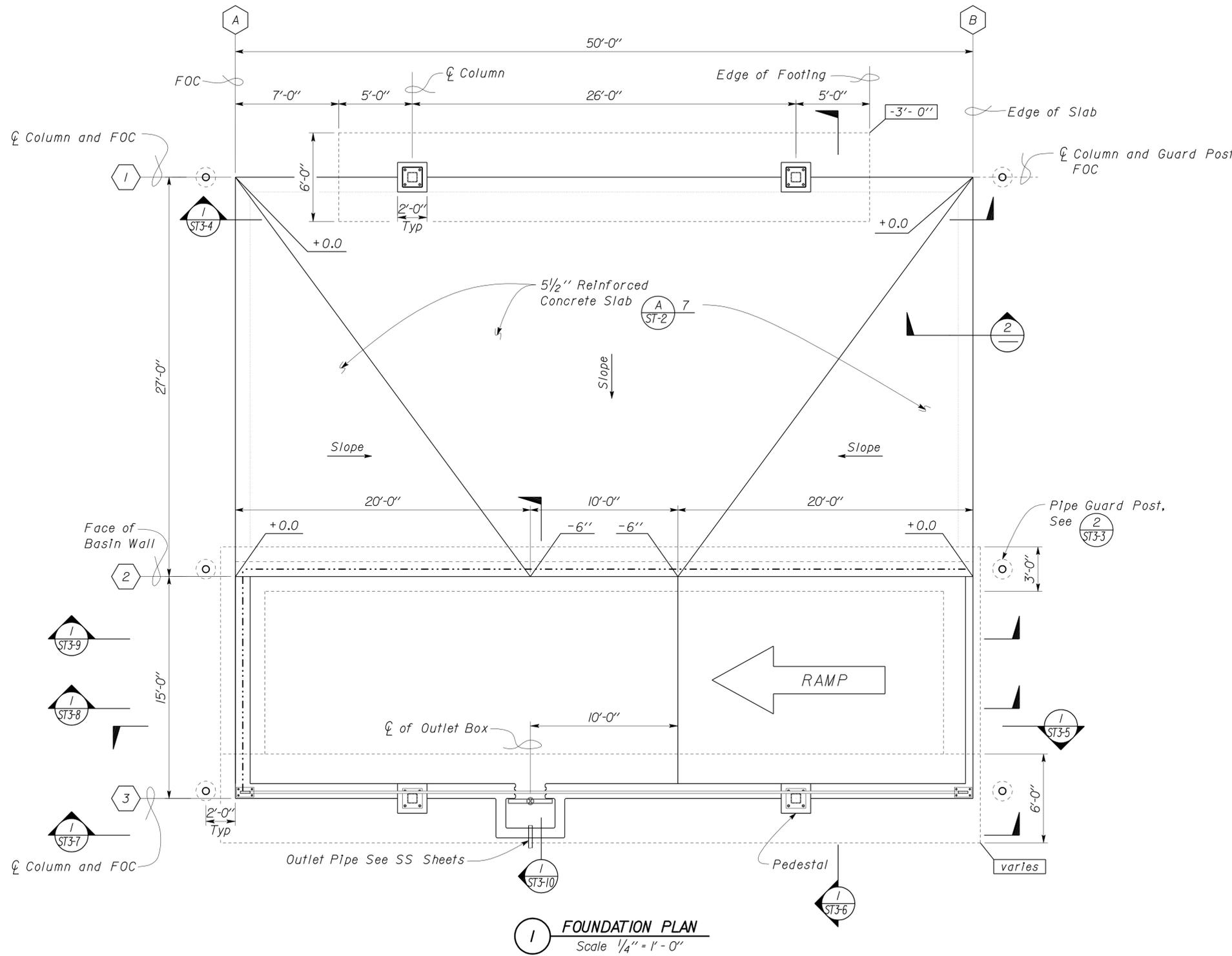
DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5708
 POST MILE GROVELAND MS

DISTRICT 10 WASHRACKS
 DESIGN CRITERIA AND DETAIL NOTES

SHEET ST3-1

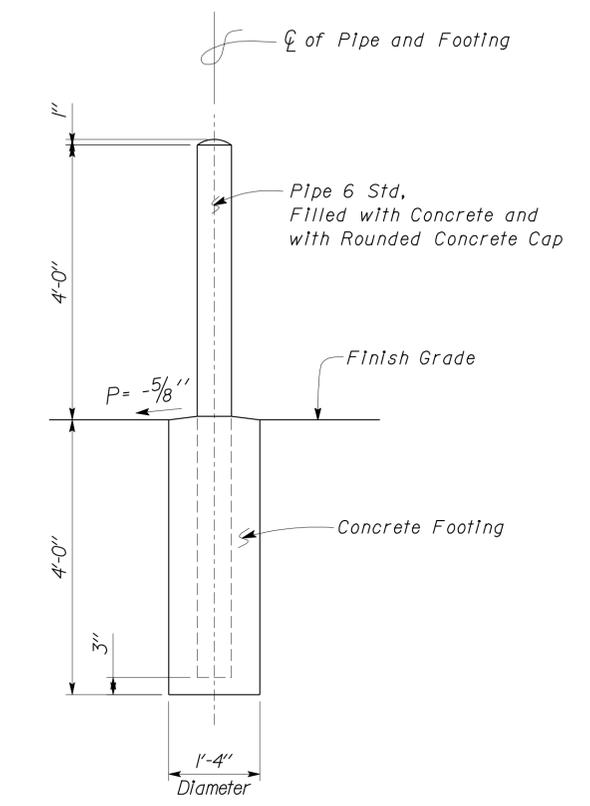
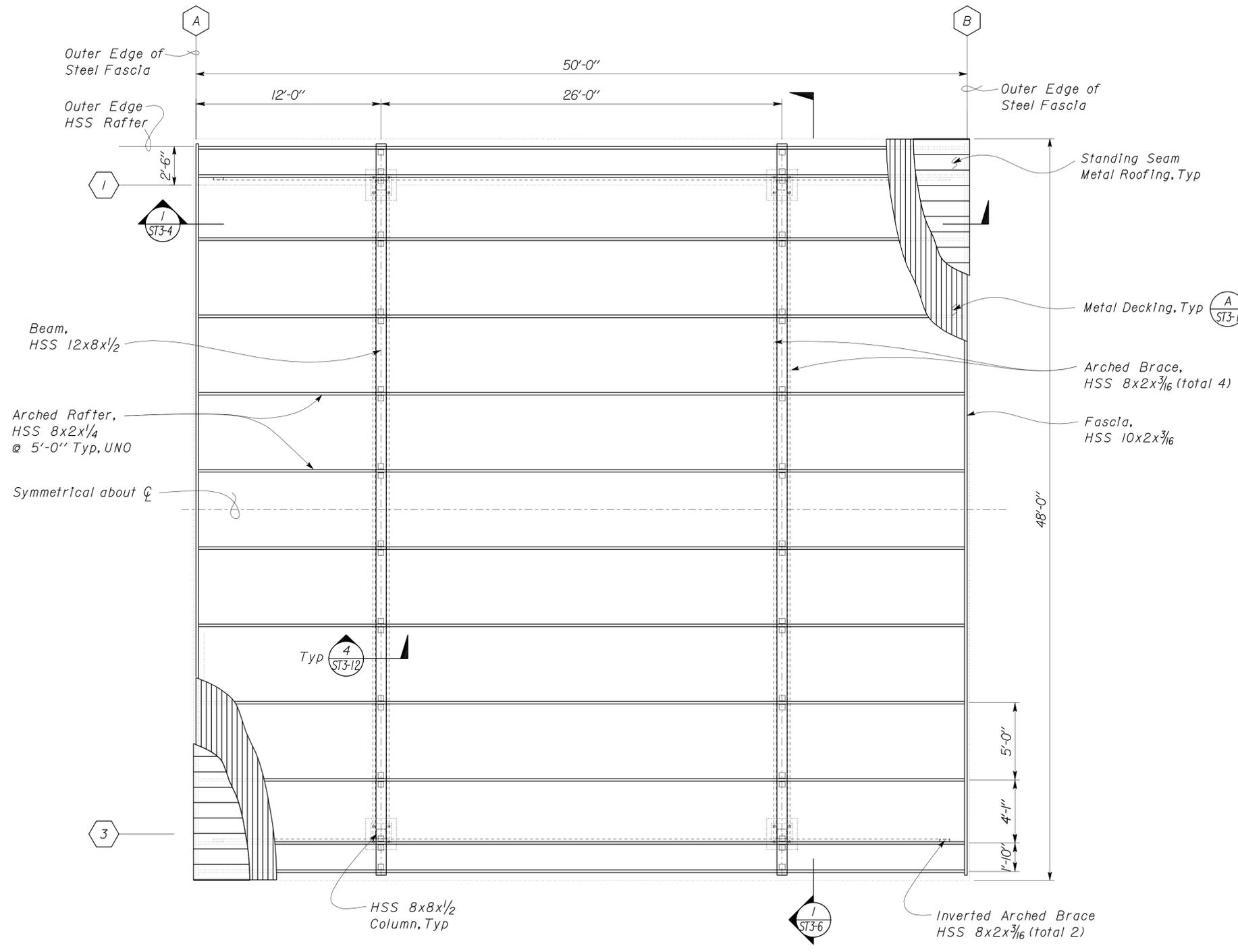
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	60	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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TAEMWW Imperial Rev. 7/10 	DESIGN BY Robert du Plaine CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5708 POST MILE GROVELAND MS	DISTRICT 10 WASHRACKS FOUNDATION PLAN	SHEET OF ST3-2
	DETAILS BY Janice Fujii CHECKED BY Robert du Plaine			PROJECT NUMBER & PHASE 3599 10000206691 UNIT EA 10-0W5401		

27-MAR-2012 06:20

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	61	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
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DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

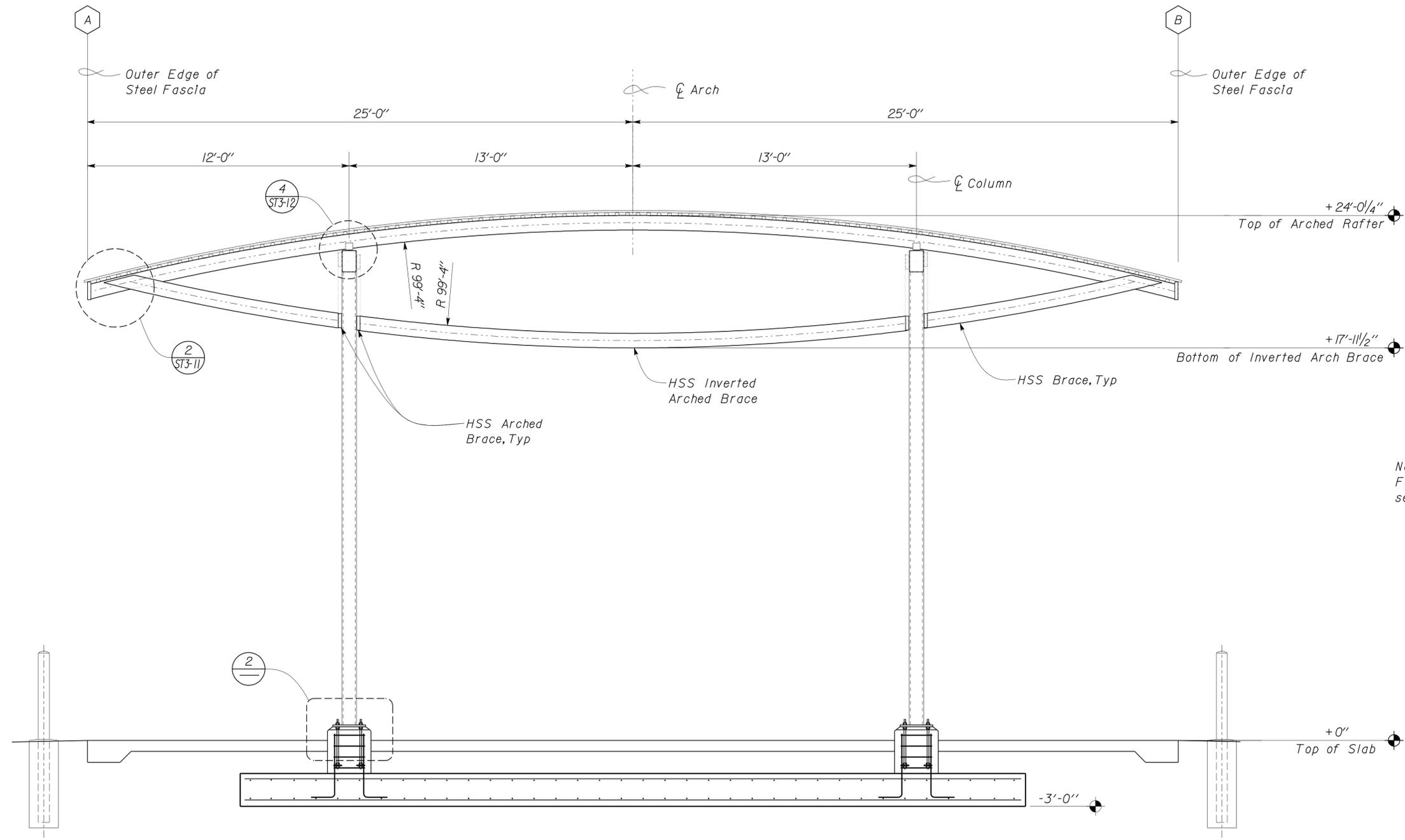
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5708
POST MILE GROVELAND MS

DISTRICT 10 WASHRACKS
ROOF FRAMING PLAN

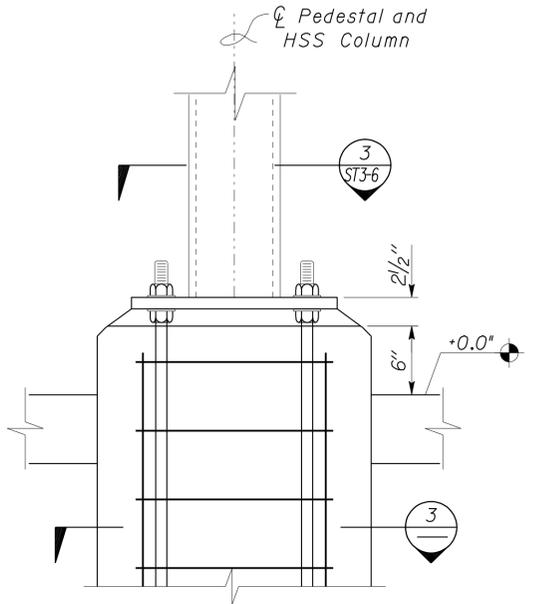
SHEET **ST3-3** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	62	96
			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
					
			3-26-12		
			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

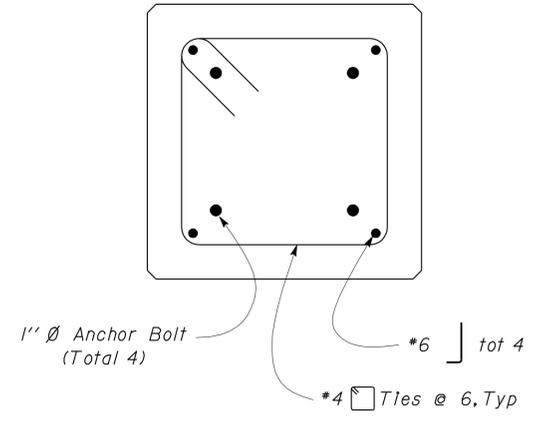


1 CANOPY SECTION
Scale 3/8" = 1' - 0"

Note
For details not shown,
see **2**
ST3-6



2 COLUMN PEDESTAL DETAIL
Scale 1 1/2" = 1' - 0"



3 COLUMN PEDESTAL SECTION
Scale 1 1/2" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

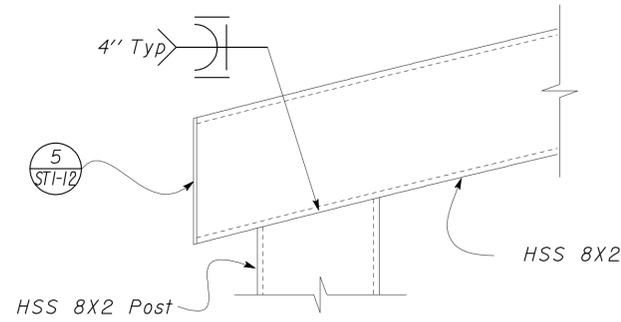
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5708
POST MILE	GROVELAND MS

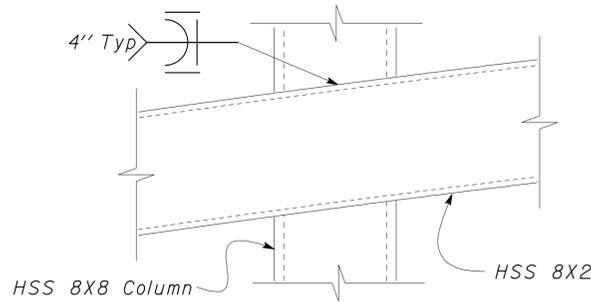
DISTRICT 10 WASHRACKS
CANOPY SECTION

SHEET
ST3-4

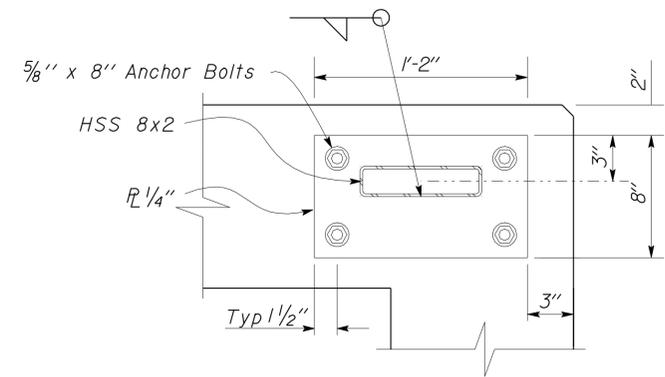
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	63	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



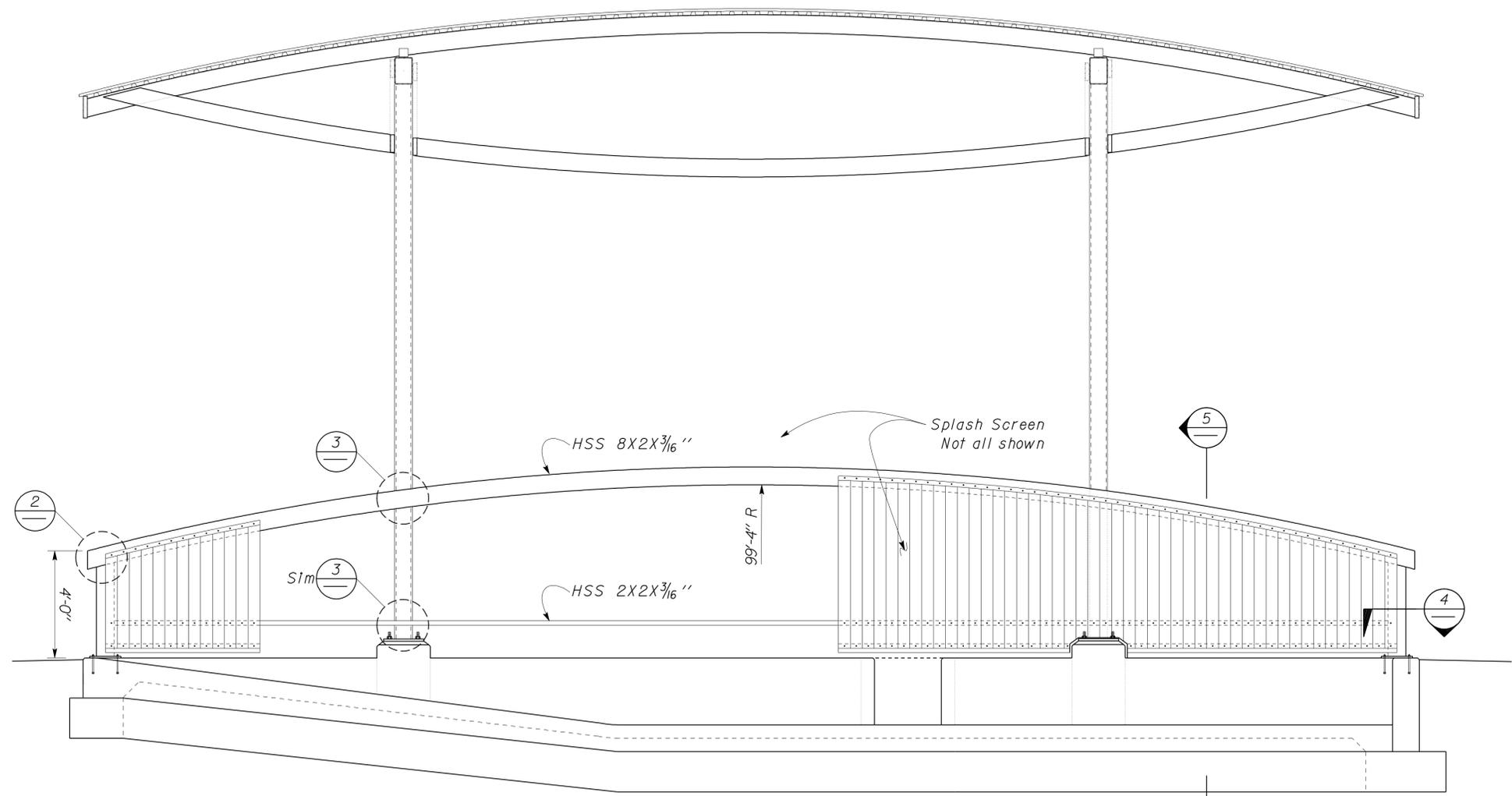
2 BRACE TO POST DETAIL
Scale 2" = 1' - 0"



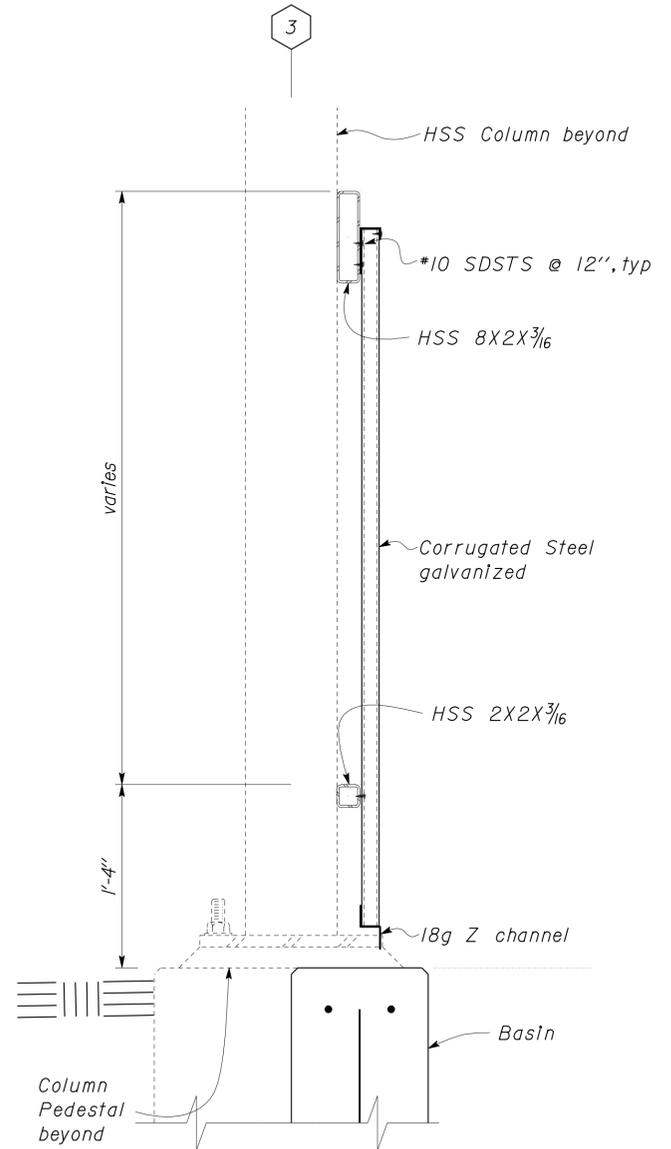
3 BRACE TO COLUMN DETAIL
Scale 2" = 1' - 0"



4 BASEPLATE TO POST DETAIL
Scale 2" = 1' - 0"



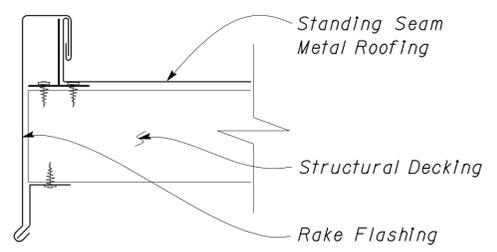
1 SPLASH SCREEN DETAILS
Scale 3/8" = 1' - 0"



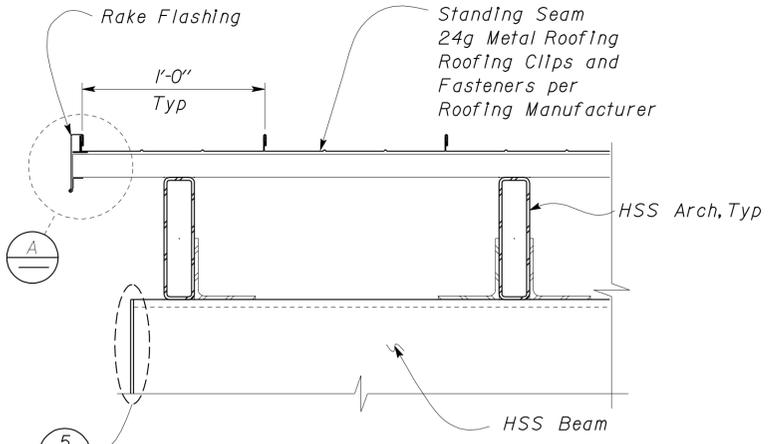
5 SPLASH SCREEN SECTION
Scale 1/2" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET ST3-5
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine		
QUANTITIES	BY	CHECKED	PROJECT NUMBER & PHASE	3599 10000206691	POST MILE	SPLASH GUARD DETAILS	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					REVISION DATES (PRELIMINARY STAGE ONLY)		11-01-11
TAEMWW Imperial Rev. 7/10		EA 10-0W5401		DISREGARD PRINTS BEARING EARLIER REVISION DATES		C:\Documents and Settings\jfujii\Desktop\Temp3_Grove\st3_05.dgn	

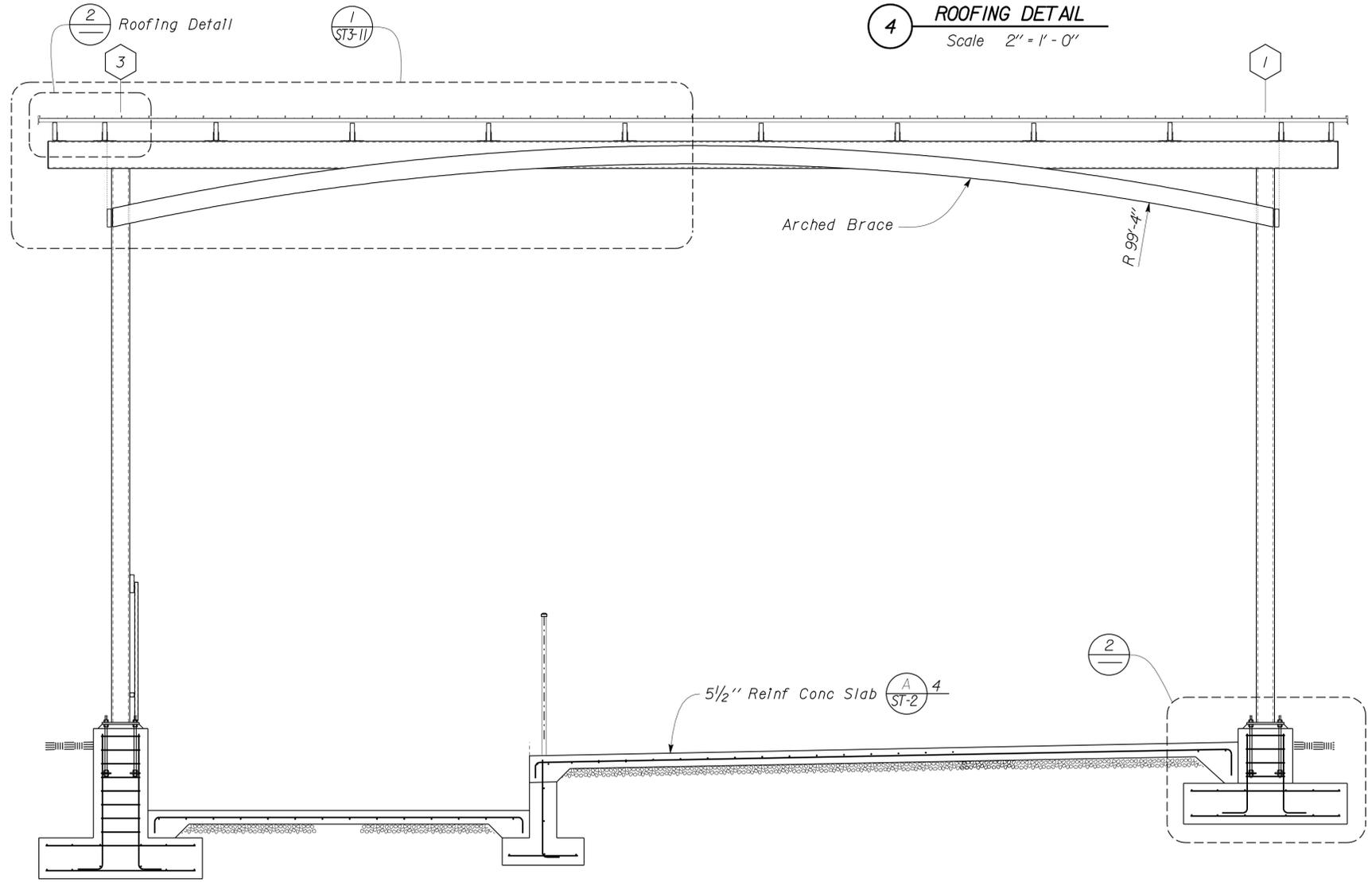
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	64	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



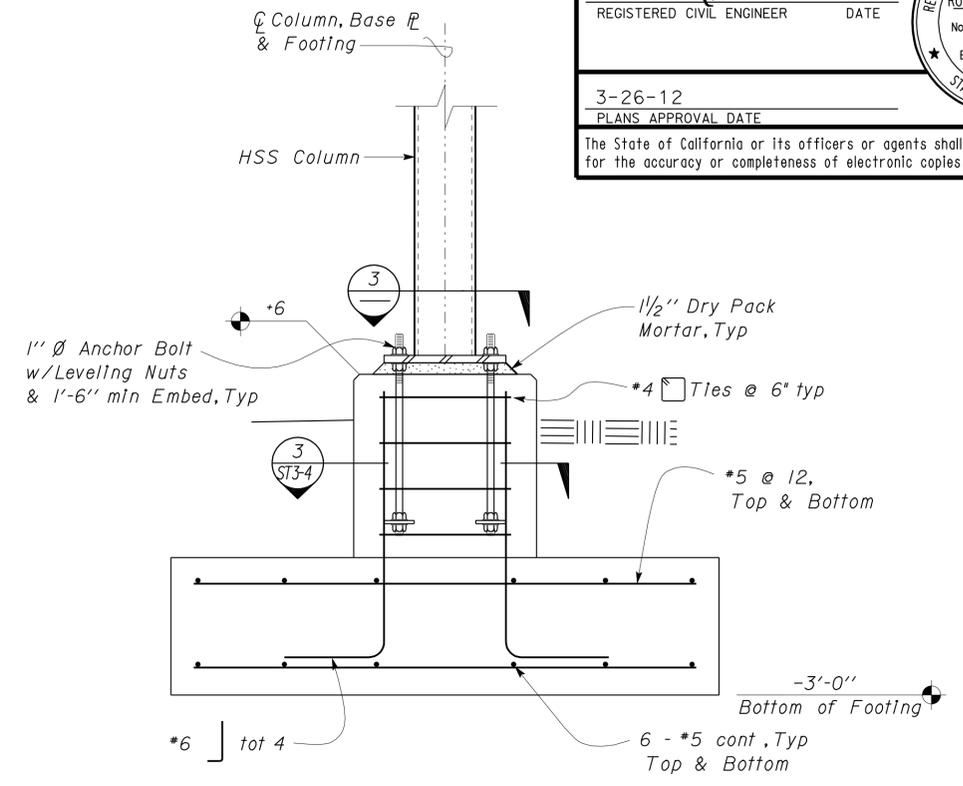
A RAKE DETAIL
No Scale



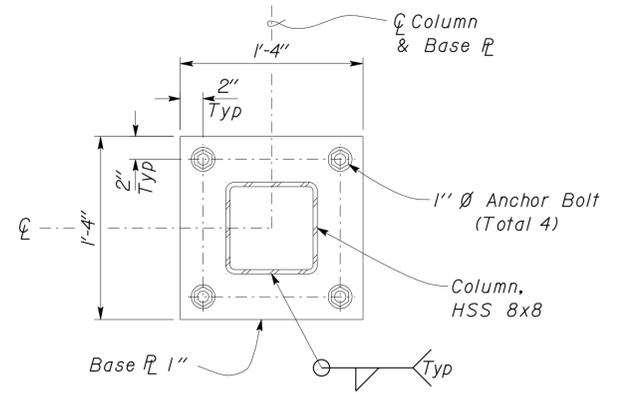
4 ROOFING DETAIL
Scale 2" = 1'-0"



1 CANOPY SECTION
Scale 3/8" = 1'-0"



2 CANOPY FOOTING DETAIL
Scale 1" = 1'-0"



3 BASE PLATE DETAIL
Scale 1 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

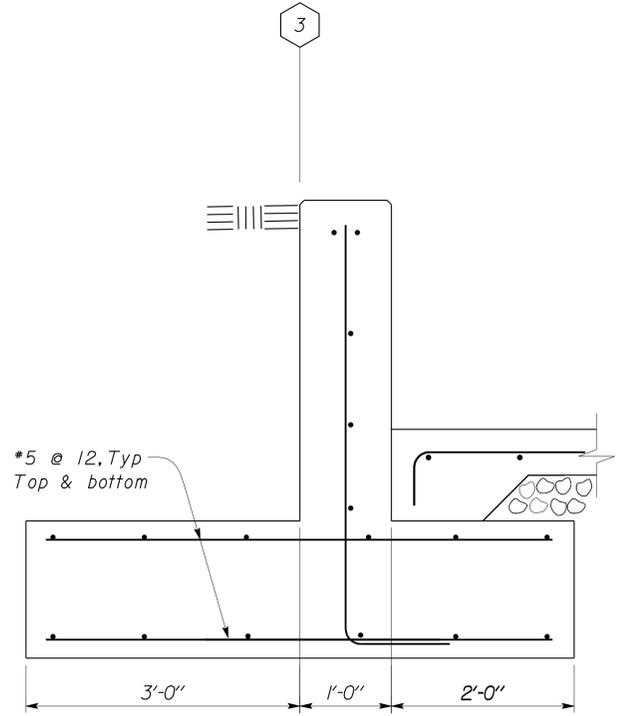
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5708
POST MILE GROVELAND MS

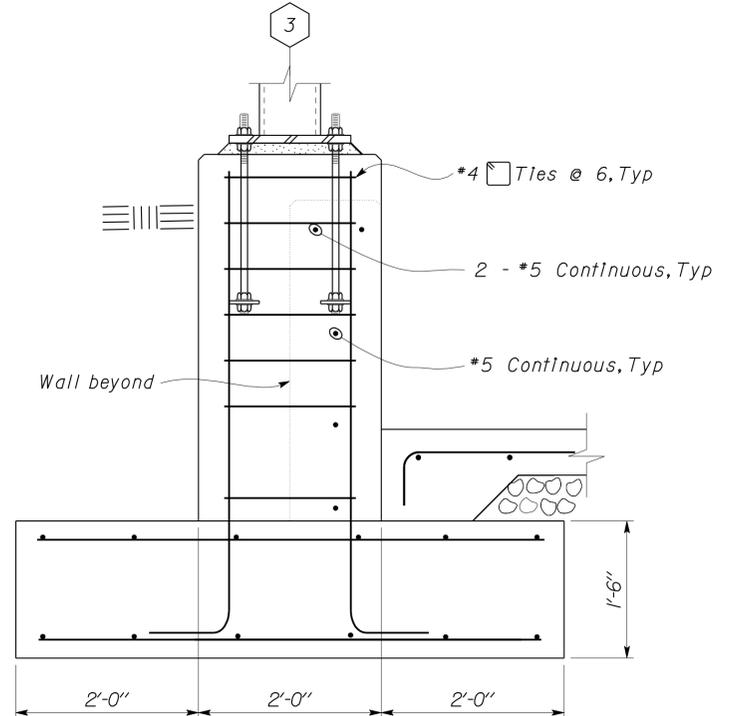
DISTRICT 10 WASHRACKS
CANOPY SECTION

SHEET **ST3-6** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tu	49,120	Var	65	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

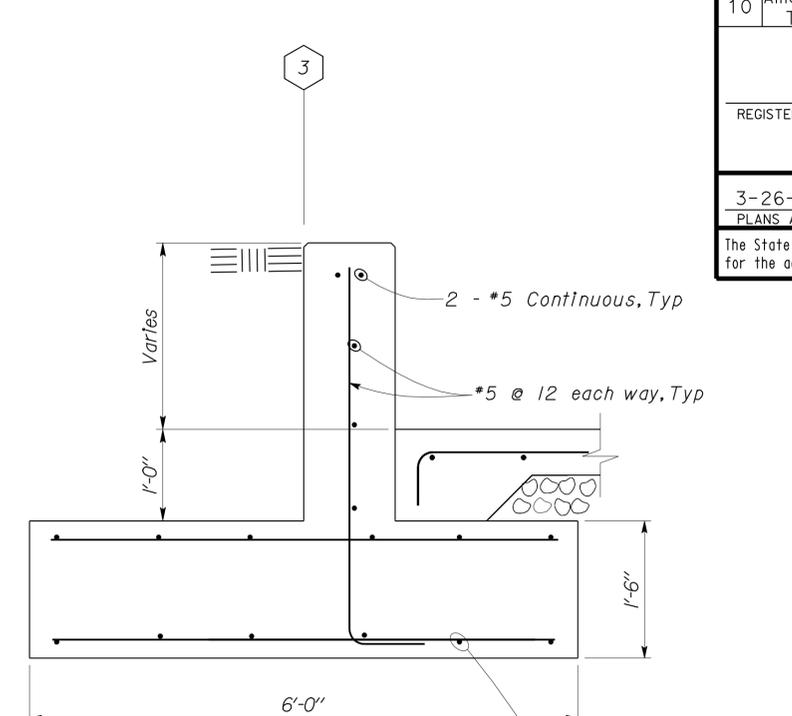


2 WALL SECTION
Scale 1" = 1'-0"



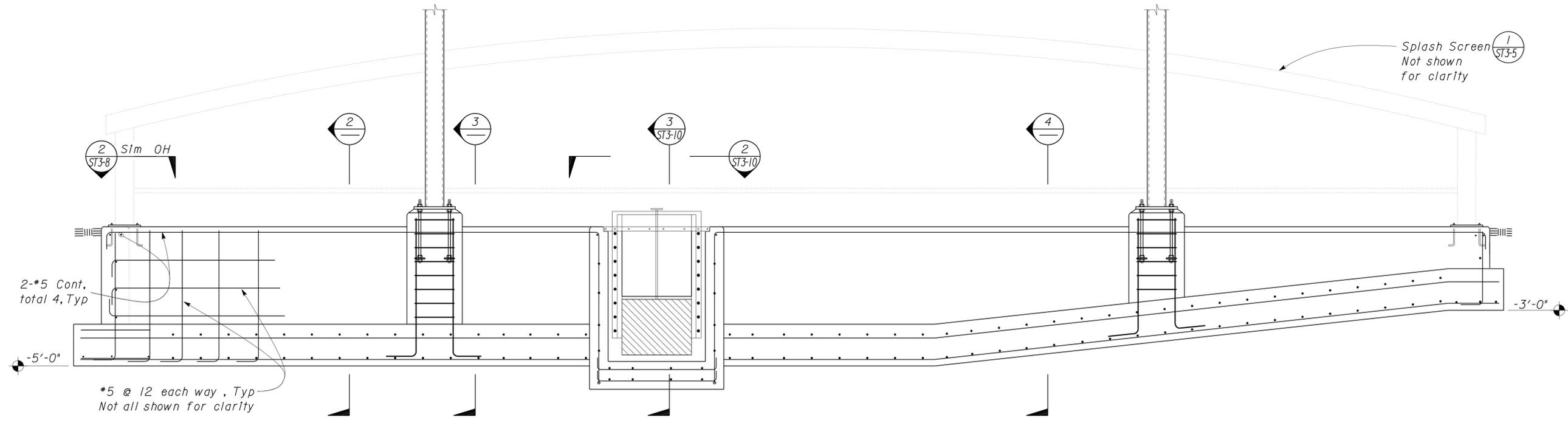
3 WALL SECTION
Scale 1" = 1'-0"

Note
For Details not shown, see **2** ST1-6



4 WALL SECTION
Scale 1" = 1'-0"

#5 Continuous, top and bottom, total 6



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

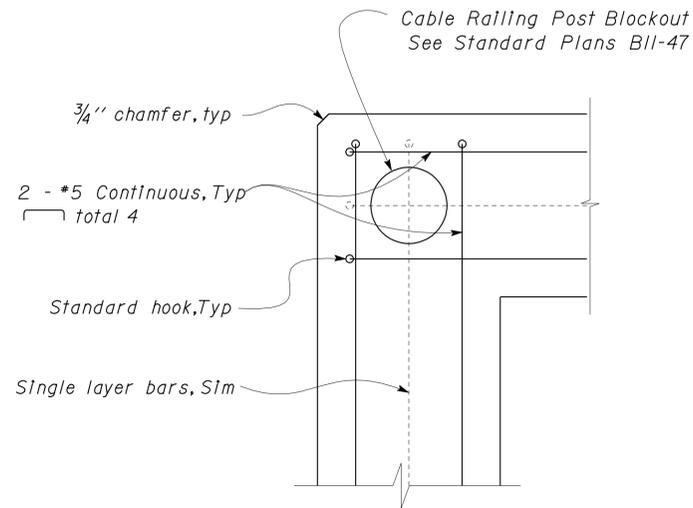
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5708
POST MILE GROVELAND MS

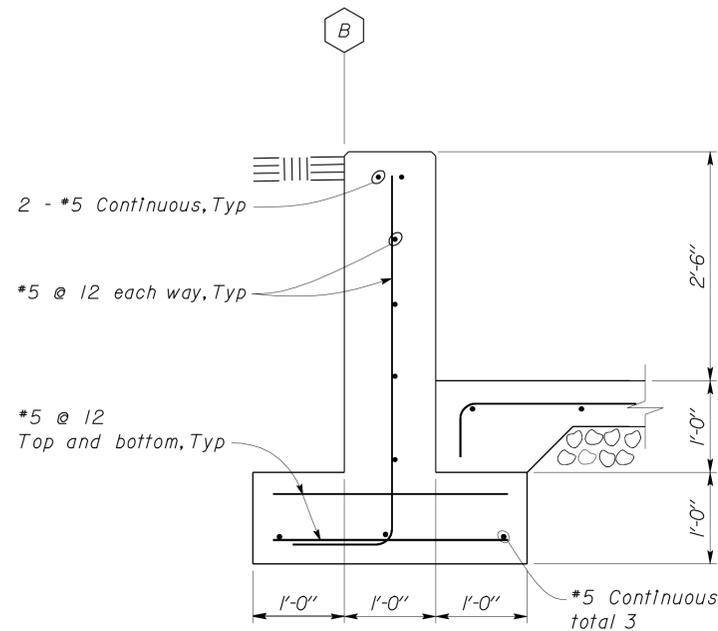
DISTRICT 10 WASHRACKS
WALL ELEVATION

SHEET ST3-7 OF

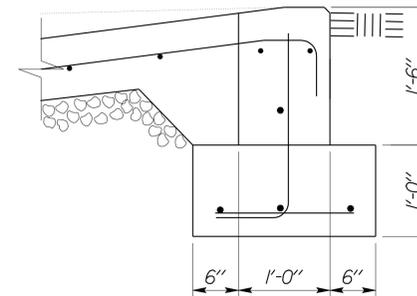
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	66	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



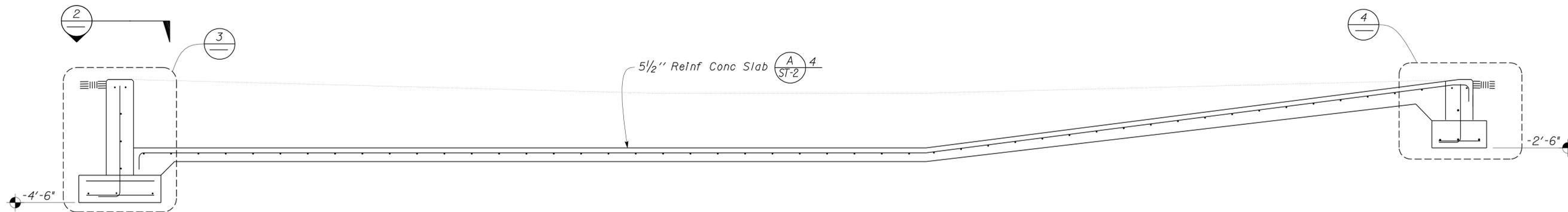
2 CORNER REINFORCEMENT
Scale 2" = 1' - 0"



3 WALL SECTION
Scale 1" = 1' - 0"



4 RAMP SECTION
Scale 1" = 1' - 0"



1 BASIN SECTION
Scale 1/2" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

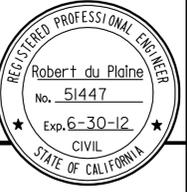
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

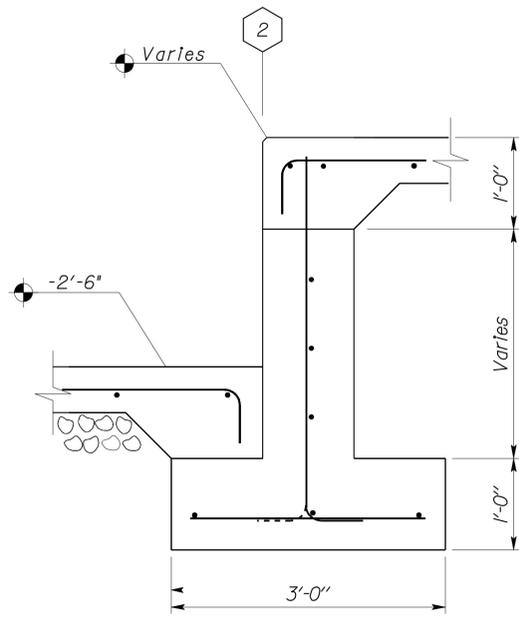
BRIDGE NO.	M5708
POST MILE	GROVELAND MS

DISTRICT 10 WASHRACKS
BASIN SECTION

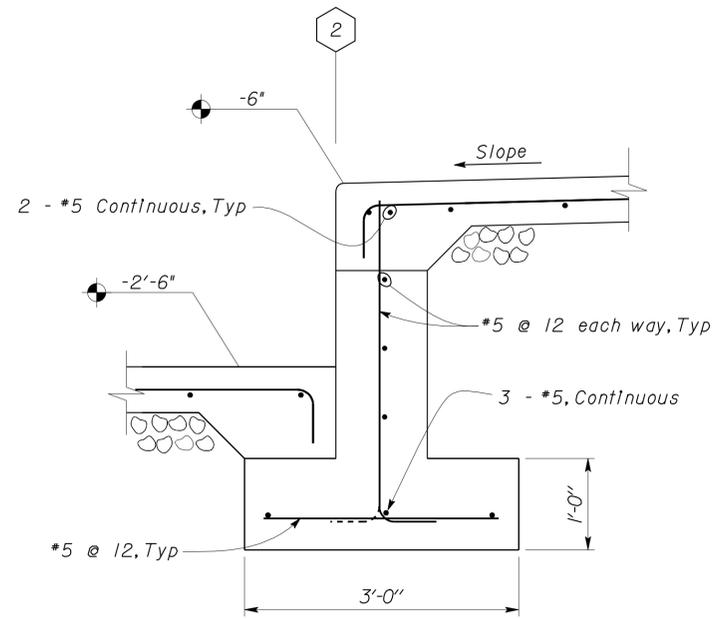
SHEET **ST3-8**



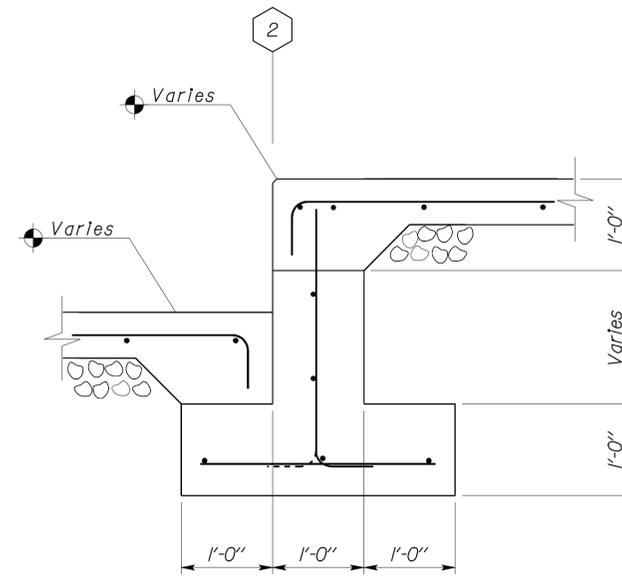
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	67	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



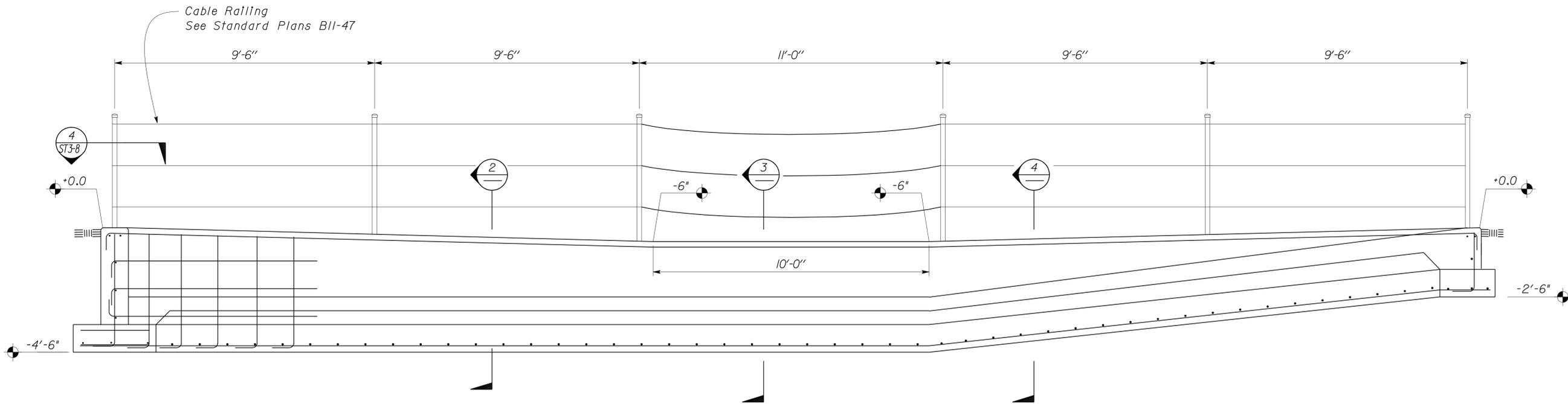
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"



4 WALL SECTION
Scale 1" = 1'-0"



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

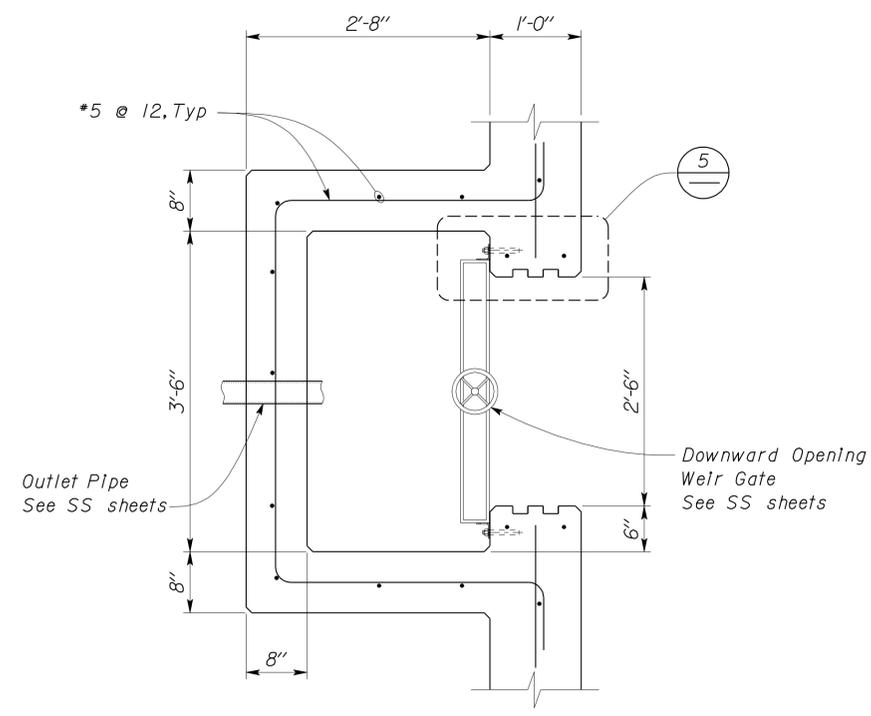
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5708
POST MILE	GROVELAND MS

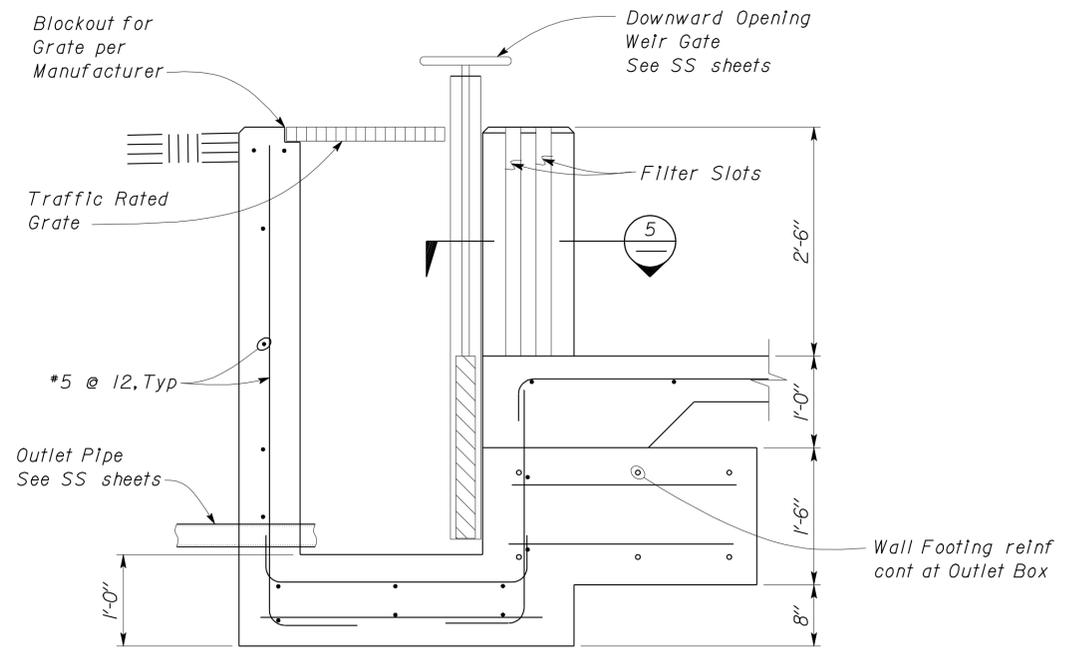
DISTRICT 10 WASHRACKS
WALL ELEVATION

SHEET **ST3-9** OF

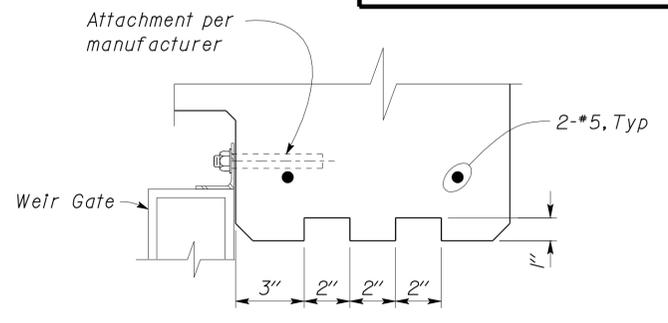
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	68	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12					
PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



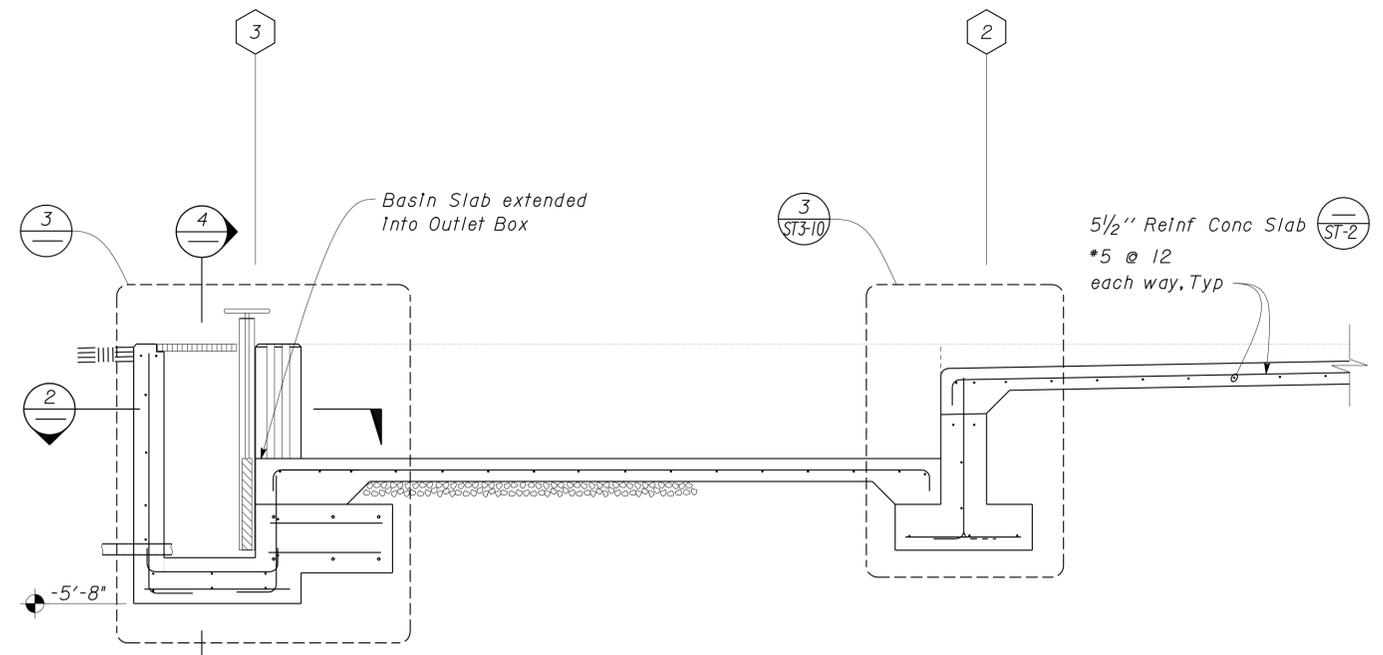
2 OUTLET BOX SECTION
Scale 1" = 1'-0"



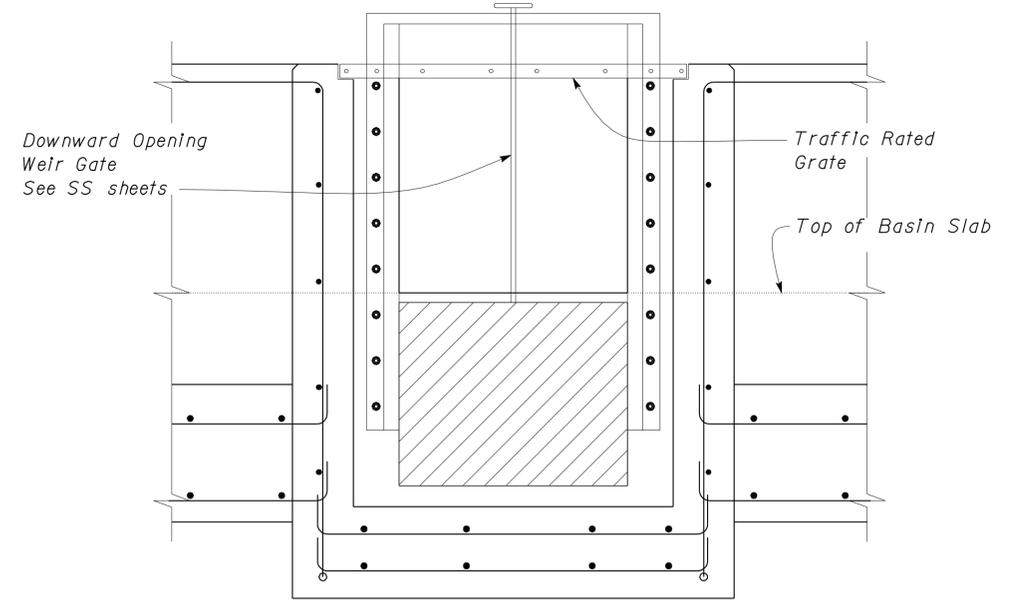
3 OUTLET BOX DETAIL
Scale 1" = 1'-0"



5 FILTER SLOT DETAIL
Scale 3" = 1'-0"



1 BASIN & SLAB SECTION
Scale 1/2" = 1'-0"



4 OUTLET BOX SECTION
Scale 1" = 1'-0"

DESIGN	BY	Robert du Plaine	CHECKED	Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5708 POST MILE	GROVELAND MS	DISTRICT 10 WASHRACKS OUTLET BOX DETAILS	SHEET ST3-10	
	DETAILS	BY	Janice Fujii	CHECKED							Robert du Plaine
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
								11-01-11			

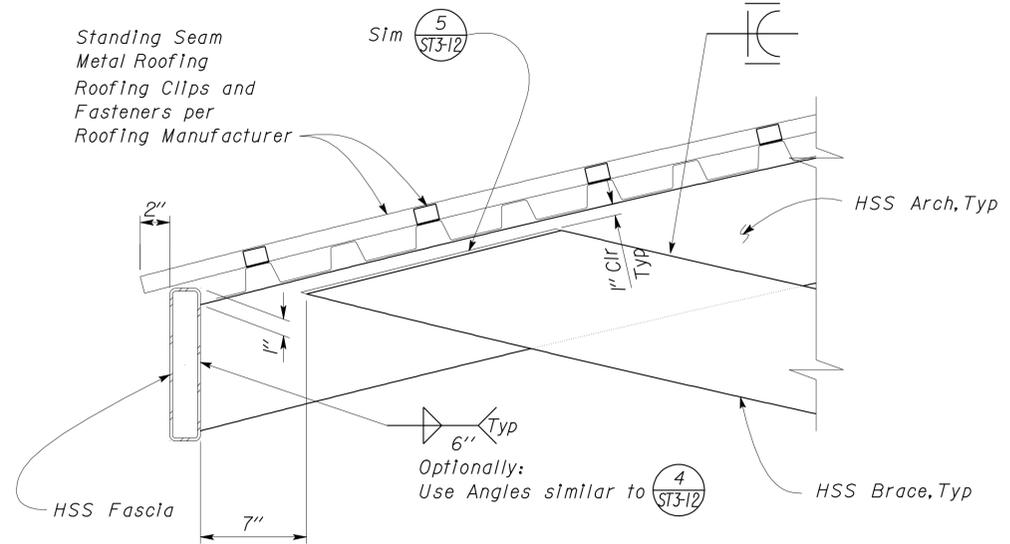
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	69	96

RJP
REGISTERED CIVIL ENGINEER 11-7-11
DATE

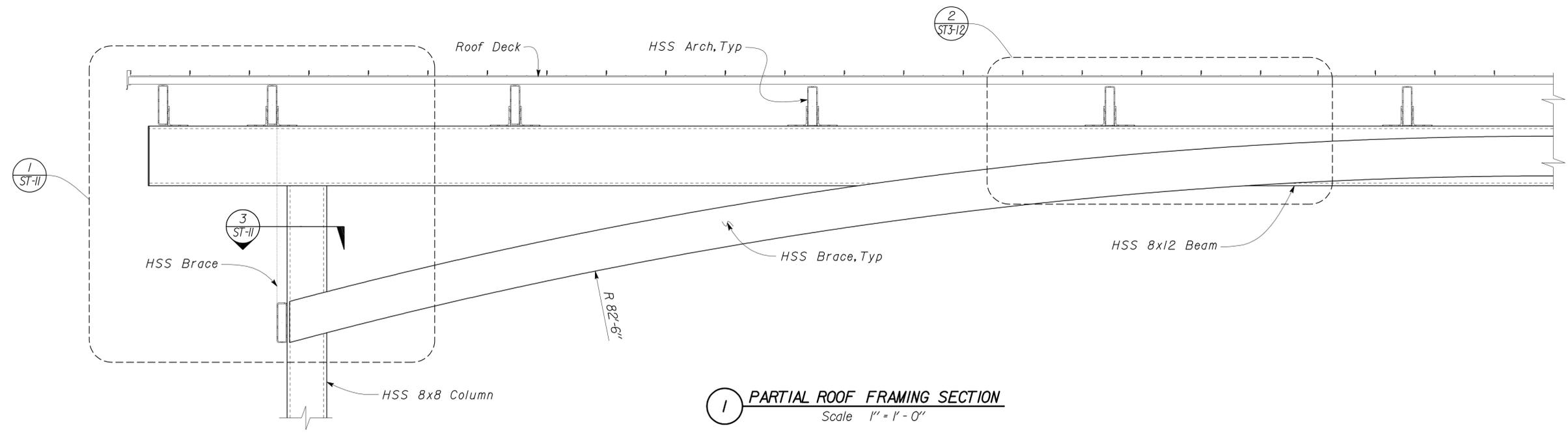


3-26-12
PLANS APPROVAL DATE

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2 ROOFING DETAIL
Scale 2" = 1' - 0"



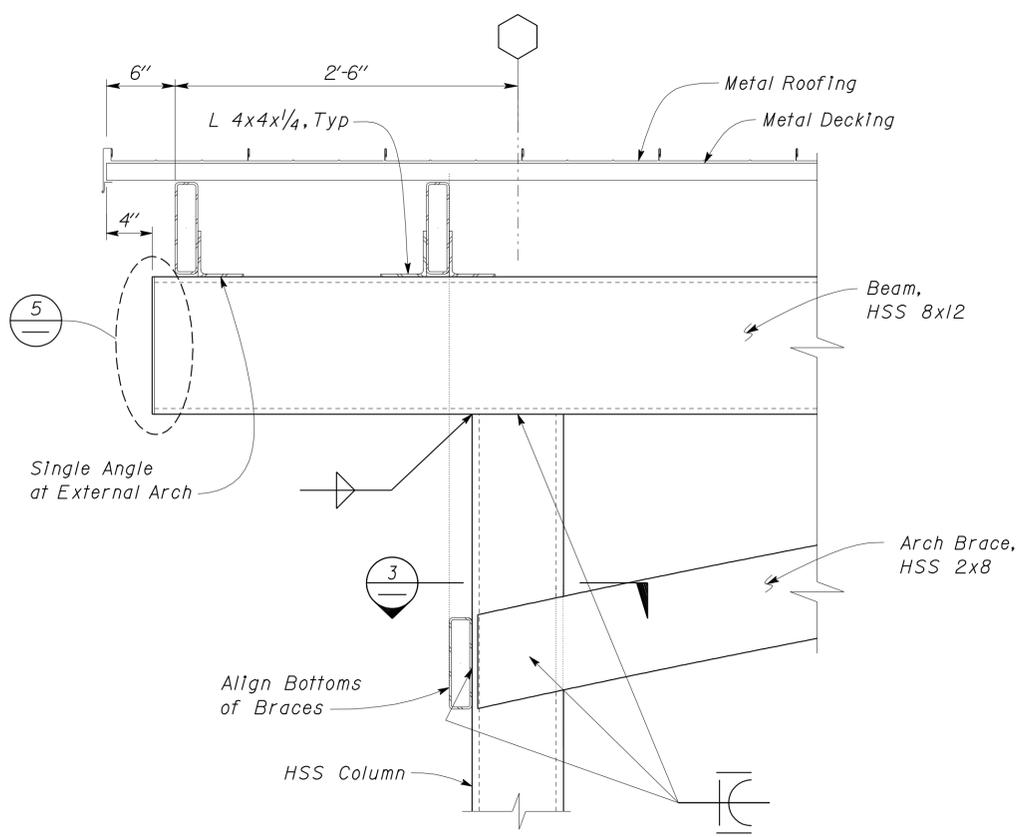
1 PARTIAL ROOF FRAMING SECTION
Scale 1" = 1' - 0"

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

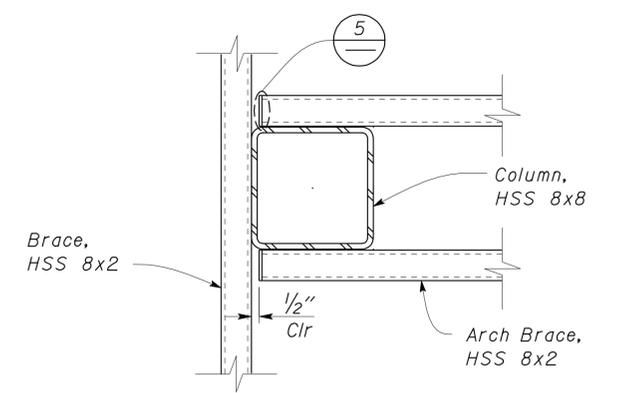
DESIGN BY Robert du Plaine CHECKED Brian T. Sutliff DETAILS BY Janice Fujii CHECKED Robert du Plaine QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	M5708	DISTRICT 10 WASHRACKS GROVELAND MS	POST MILE		SHEET	ST3-11
			PROJECT NUMBER & PHASE	3599 10000206691		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			EA 10-0W5401			C:\Documents and Settings\jfuji11\Desktop\Temp3_Grove\st3_11.dgn			

27-MAR-2012 06:21

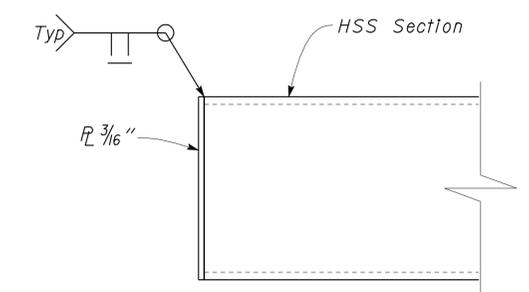
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	70	96
RJP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



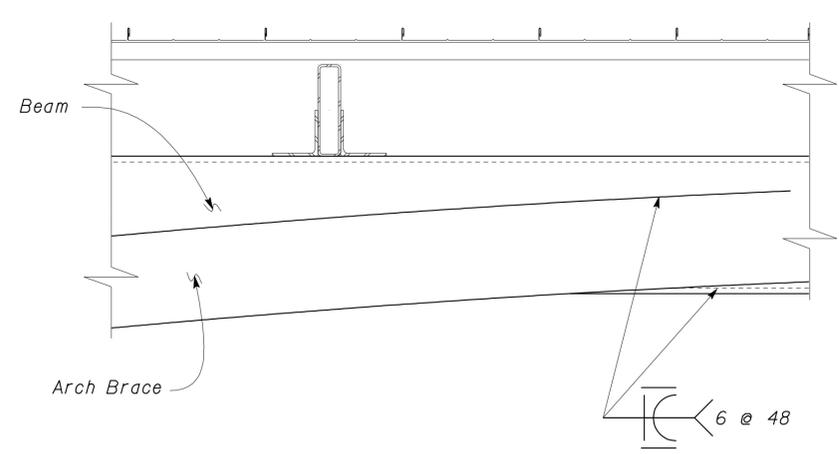
1 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



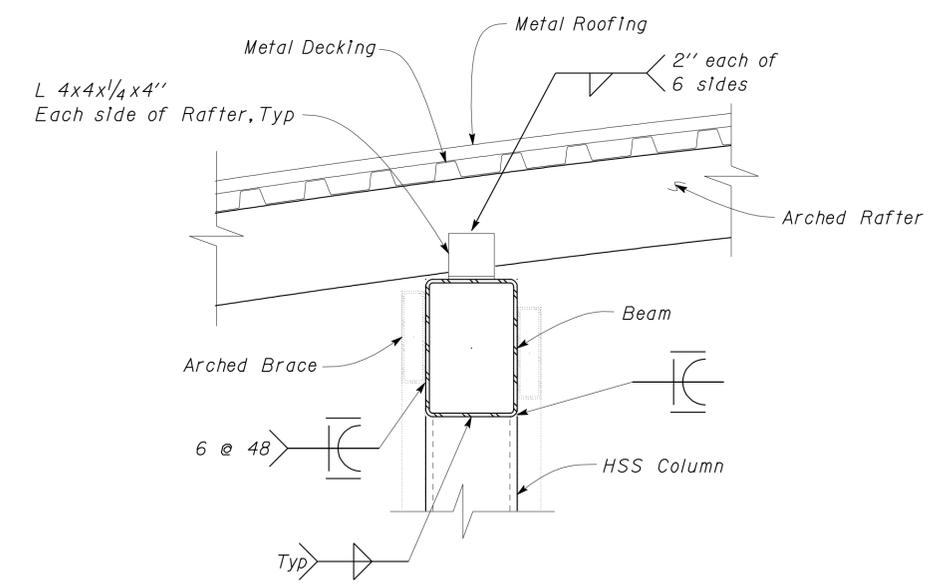
3 COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



5 END PLATE
No Scale



2 BRACE TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



4 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5708	GROVELAND MS	DISTRICT 10 WASHRACKS	SHEET ST3-12
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF		

TAEMWW Imperial Rev. 7/10

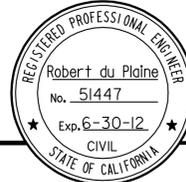
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

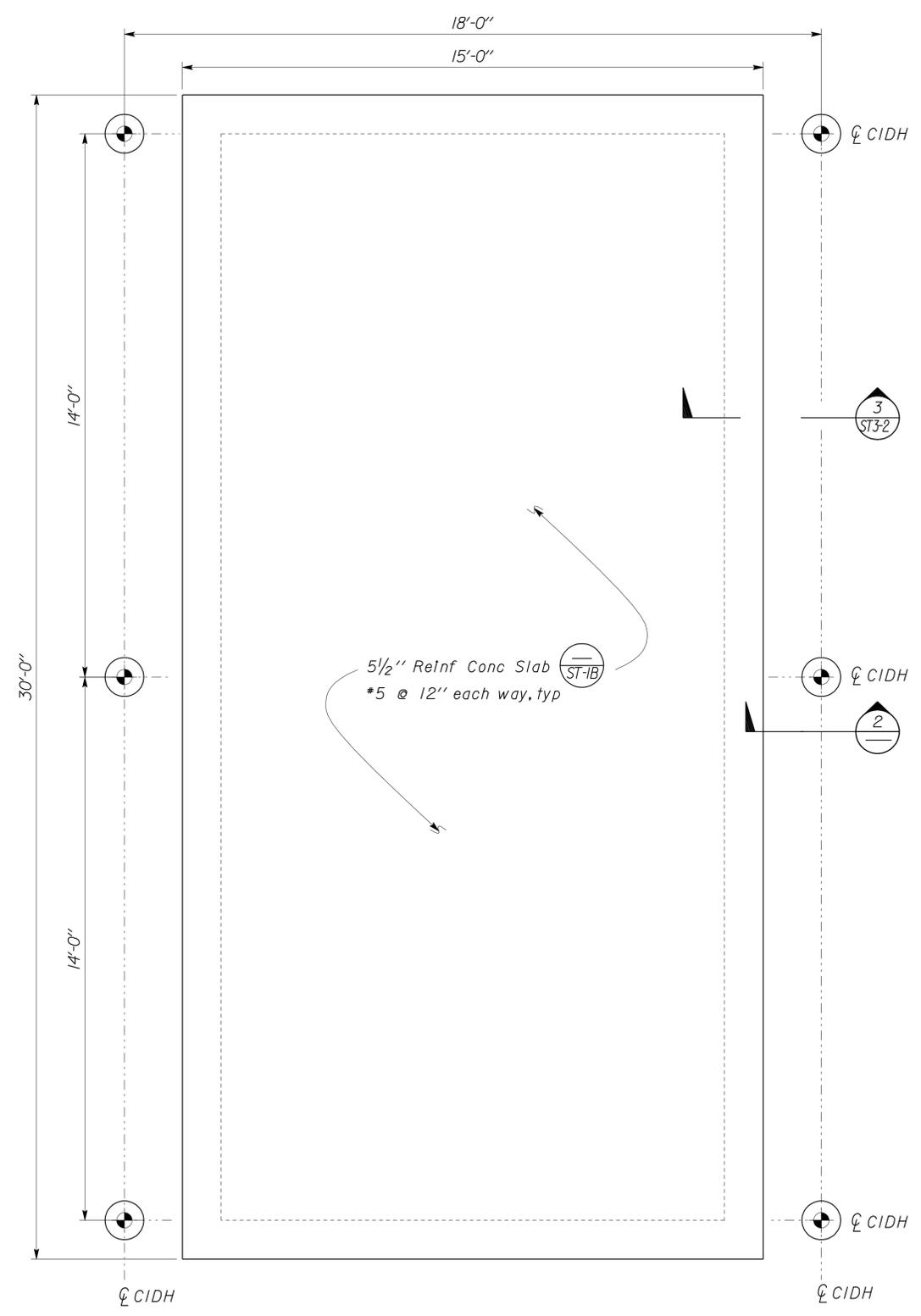
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11-01-11

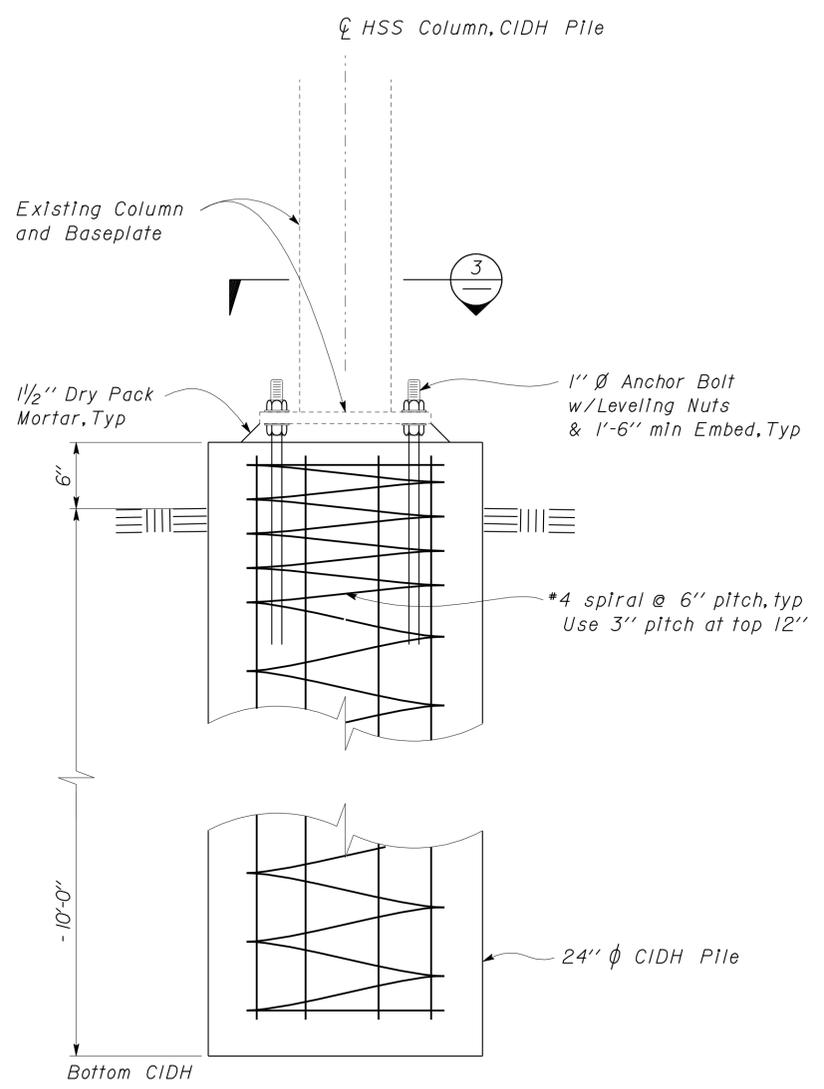
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27-MAR-2012 06:21

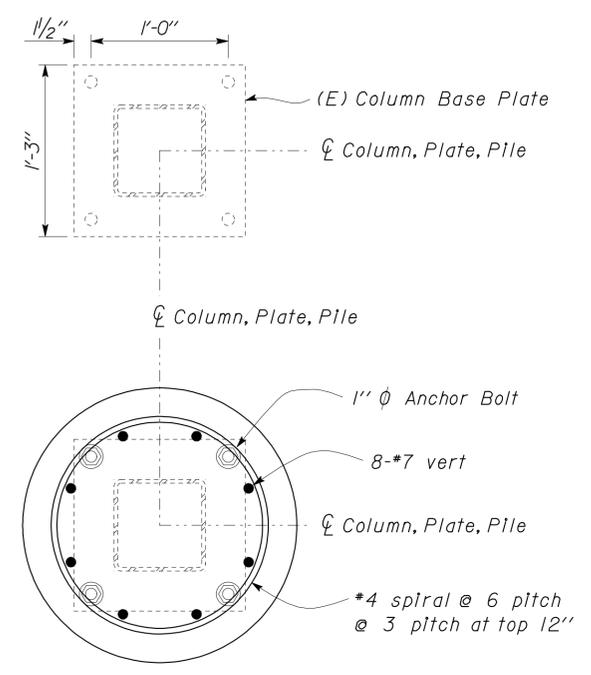
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	71	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12				PLANS APPROVAL DATE	
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1 **CIDH PILE LAYOUT DETAIL**
Scale 1/2" = 1'-0"



2 **CIDH PILE DETAIL**
Scale 1/2" = 1'-0"



3 **COLUMN BASE PLATE DETAIL**
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5708
POST MILE GROVELAND MS

DISTRICT 10 WASHRACKS
(E) CANOPY RELOCATION DETAILS

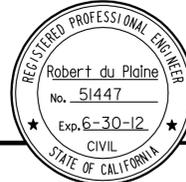
SHEET OF
ST3-13

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2010 California Building Code (2009 IBC).

DETAIL NOTES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg,Mpa, Tuo	49,120	Var	72	96




 11-7-11
 REGISTERED CIVIL ENGINEER DATE

3-26-12
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Factor = II
 Importance Factor = 1.0
 Site Soil Class = D
 $S_S = 0.66$ $S_{DS} = 0.56$
 $S_I = 0.33$ $S_{DI} = 0.38$
 Seismic Design Category = D

Seismic Force-Resisting System:
 Ordinary Steel Moment Frame
 $R = 3.5$ $C_S = 0.16$

WIND: Importance Factor = 1.0
 Basic Wind Speed = 85 mph
 Exposure C
 Wind Pressure on Components and Cladding = 22 psf

LIVE LOAD: Roof = 20 psf

SNOW LOAD: 0.0 psf

- All miscellaneous metal shall be hot-dipped galvanized after fabrication.
- All lock washers shall be helical spring lock washers.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3000$ psi
 $F_y = 60,000$ psi

STRUCTURAL STEEL: (Allowable Strength Design):
 Wide Flange $F_y = 50$ ksi
 Channels, Angles & Misc. Shapes $F_y = 36$ ksi
 Plates $F_y = 36$ ksi
 Hollow Structural Section (HSS) $F_y = 46$ ksi

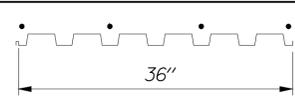
FOUNDATION:
 Allowable Soil Pressure (DL + LL) : = 1,500 psf

A METAL DECK NOTES

METAL DECK MINIMUM SECTION PROPERTIES

Deck Type	Depth & Gage	Moment of Inertia	Positive Section Modulus	Negative Section Modulus	Minimum Yield Strength
Metal Decking	1.5" x 20 Ga	0.220 in ⁴ /ft	0.235 in ³ /ft	0.246 in ³ /ft	38 Ksi

SCREW SCHEDULE and METAL DECK PROFILE

Metal Deck Profile	Self-Drilling Self-Tapping Screws			Minimum Diaphragm Shear Capacity
	Perpendicular Supports and Panel Ends	Parallel Supports	Side Laps	
	4 - #10 Per Support	#10 @ 12" OC	Button Punch @ 12" OC	350 lb/ft

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5724
POST MILE

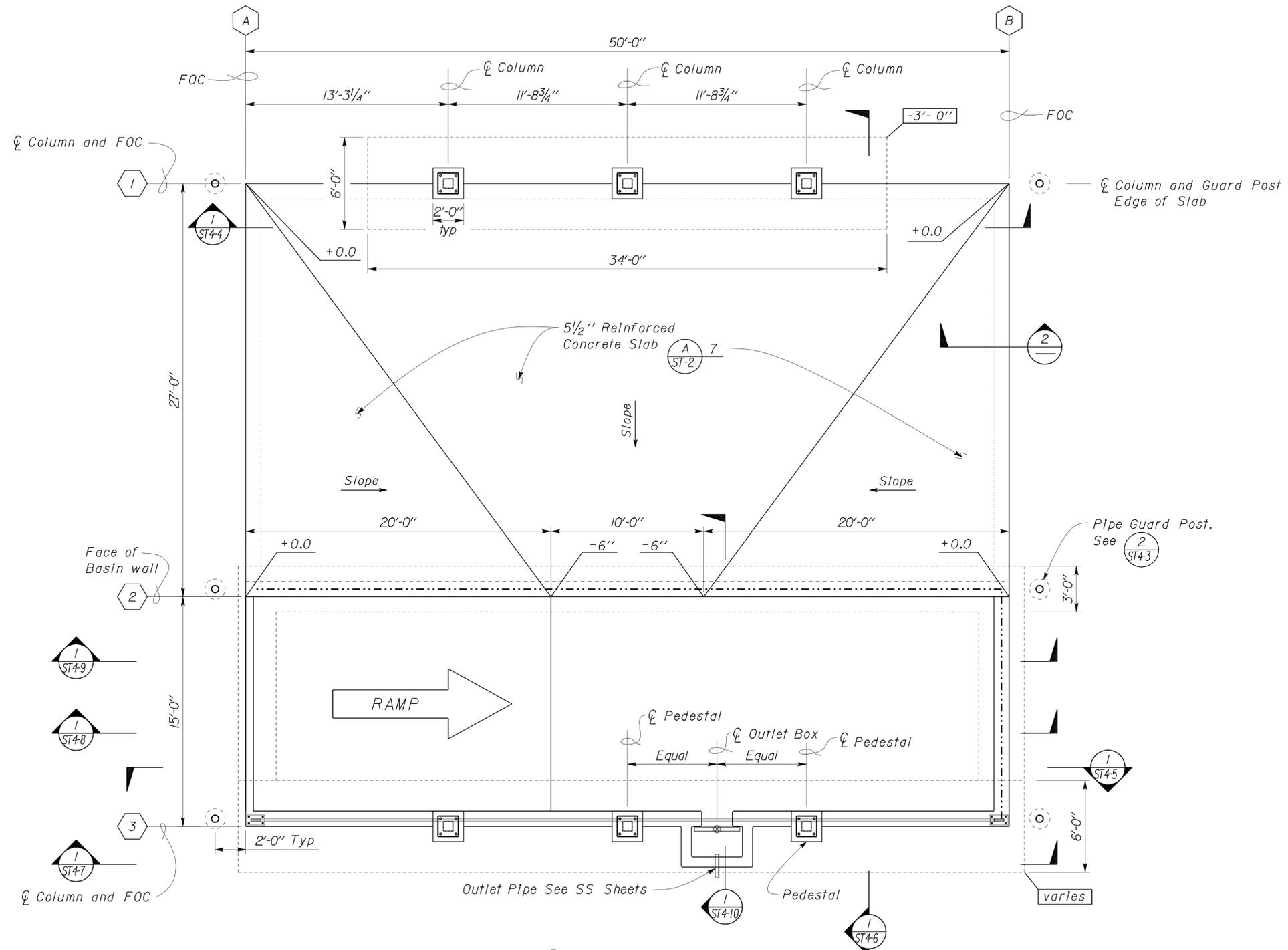
SONORA MS

DISTRICT 10 WASHRACKS
DESIGN CRITERIA AND DETAIL NOTES

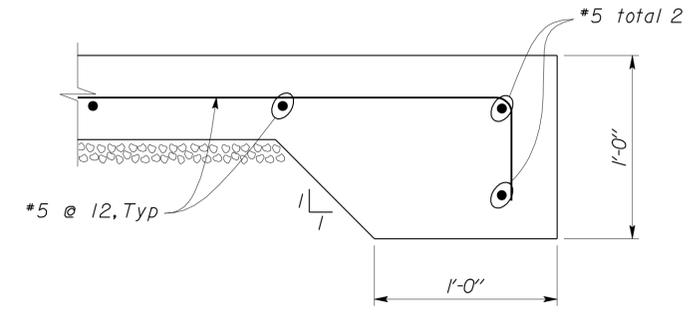
SHEET ST4-1



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	73	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
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1 FOUNDATION PLAN
Scale 1/4" = 1'-0"

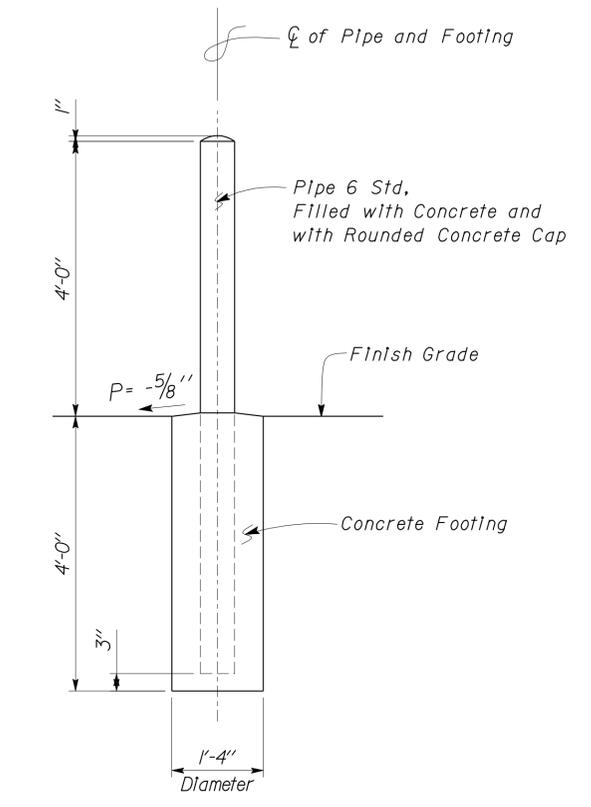
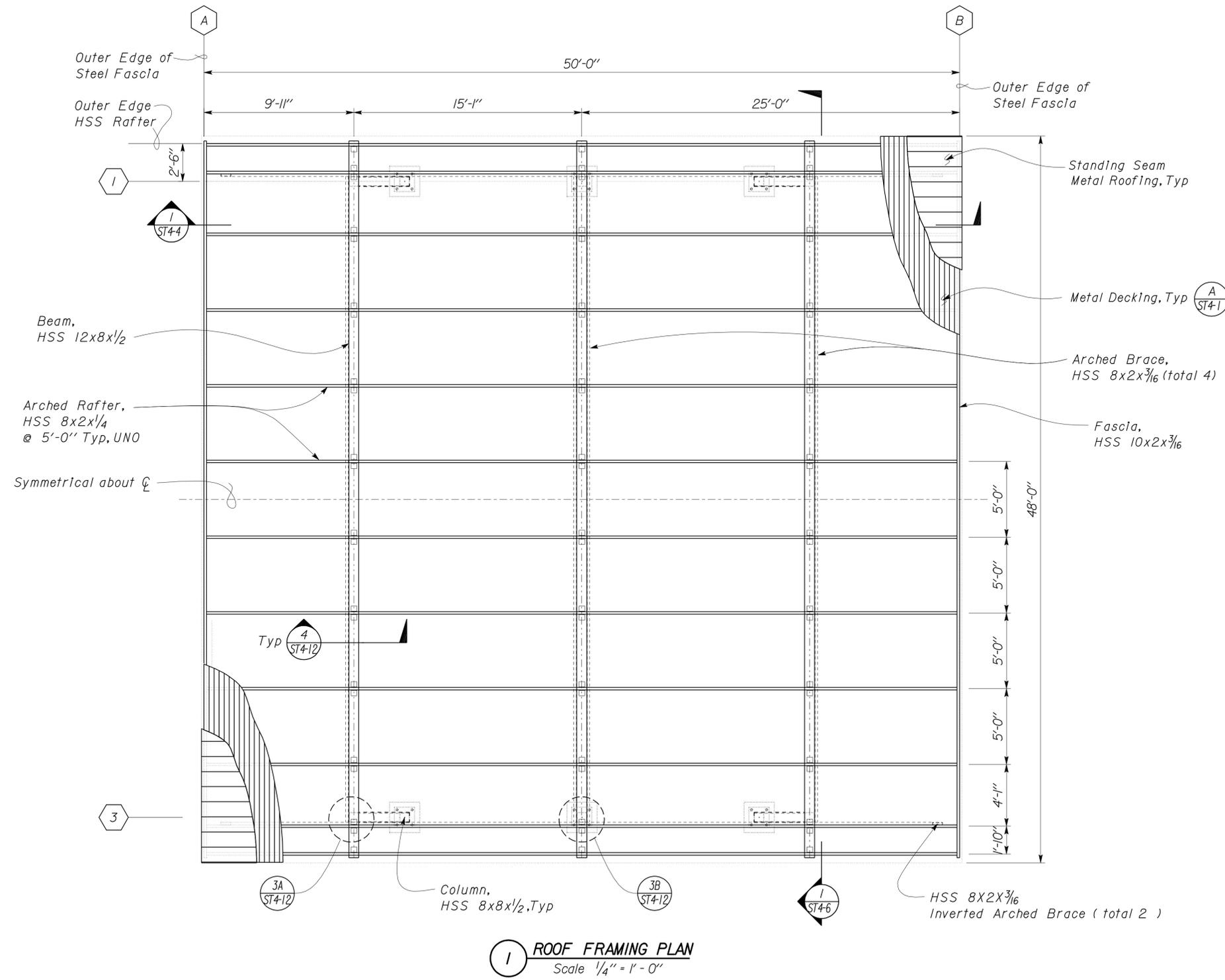


2 WASHRACK SLAB DETAIL
Scale 2" = 1'-0"

TAEMWW Imperial Rev. 7/10 	DESIGN BY Robert du Plaine CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5724 POST MILE SONORA MS	DISTRICT 10 WASHRACKS FOUNDATION PLAN	SHEET OF ST4-2
	DETAILS BY Janice Fujii CHECKED BY Robert du Plaine		UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES 11-01-11	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

27-MAR-2012 06:37

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	74	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

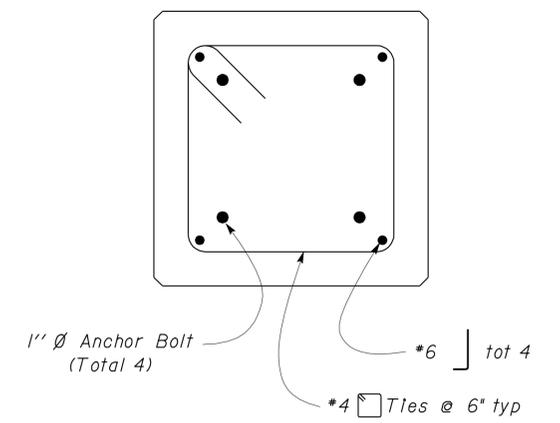
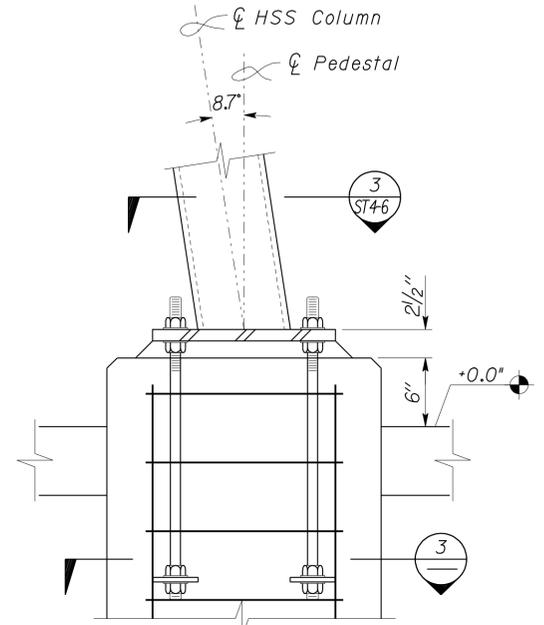
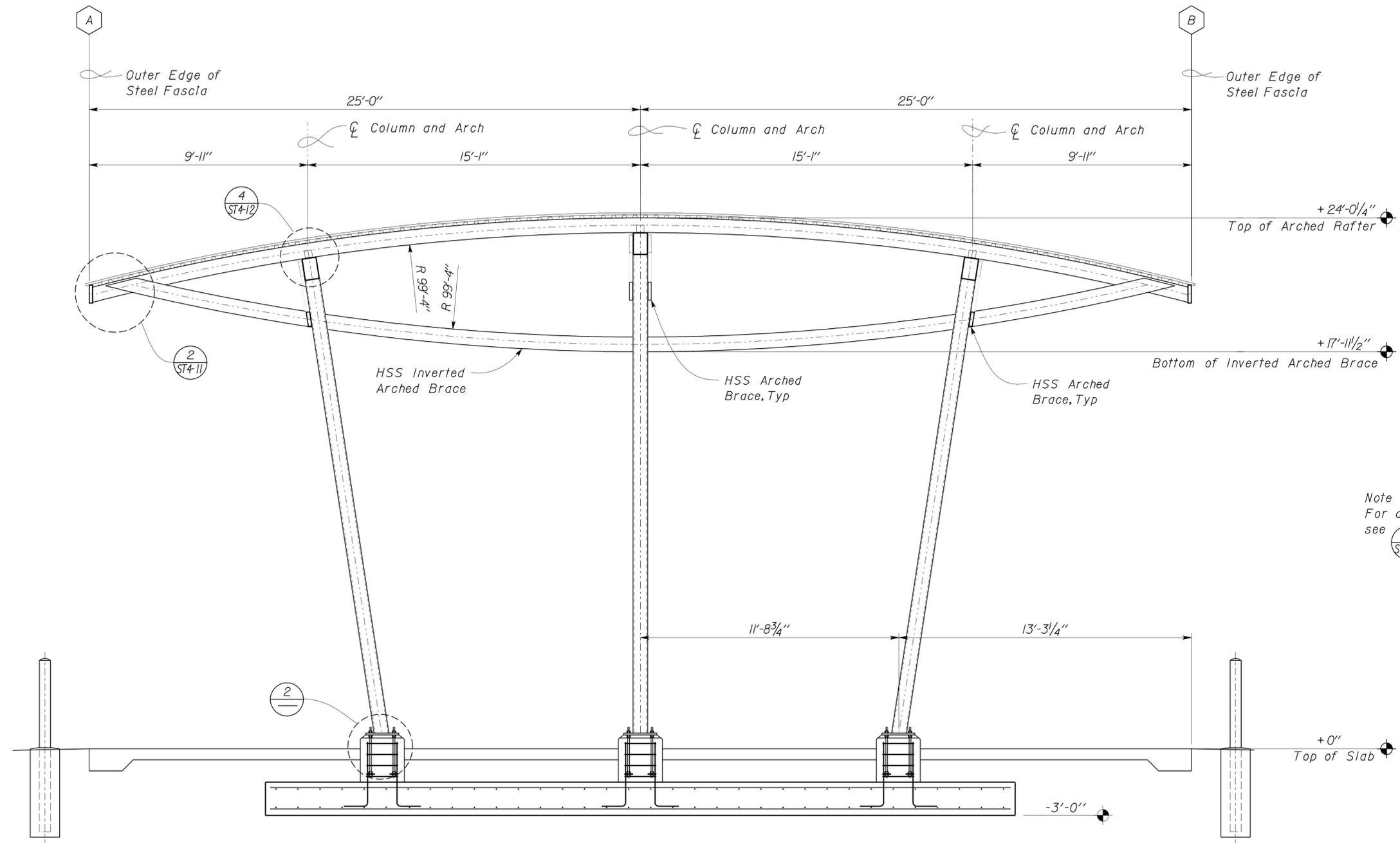
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5724
POST MILE	SONORA MS

DISTRICT 10 WASHRACKS
ROOF FRAMING PLAN

SHEET **ST4-3** OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	75	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
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Note
For details not shown,
see (2) ST4.6

1 CANOPY SECTION
Scale 3/8" = 1'-0"

2 COLUMN PEDESTAL DETAIL
Scale 1 1/2" = 1'-0"

3 COLUMN PEDESTAL SECTION
Scale 1 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

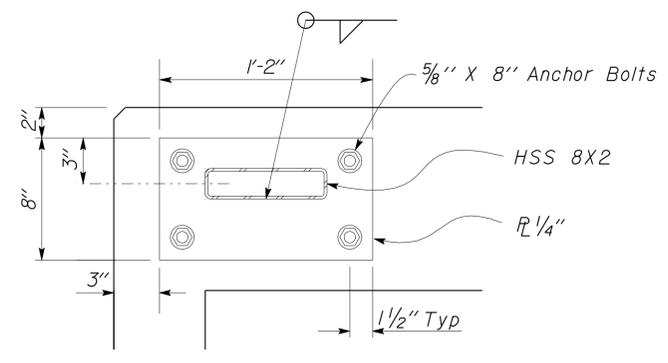
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5724
POST MILE	SONORA MS

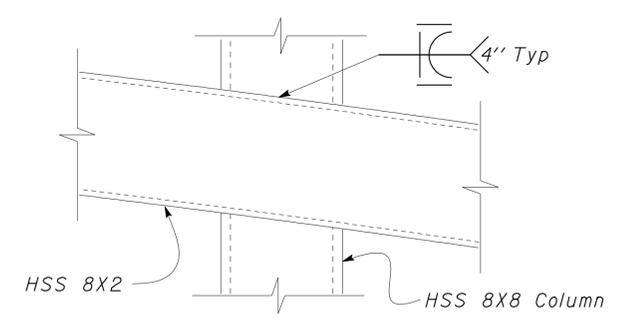
DISTRICT 10 WASHRACKS
CANOPY SECTION

SHEET OF
ST4-4

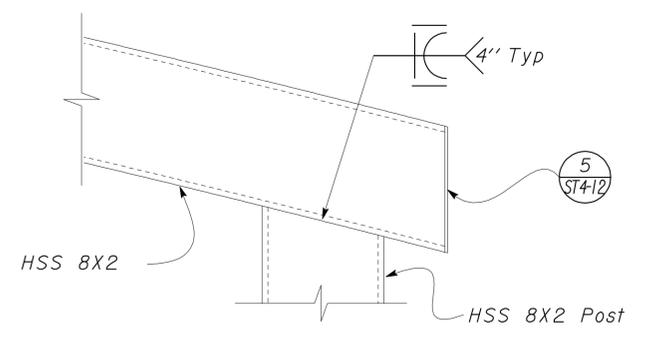
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	76	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



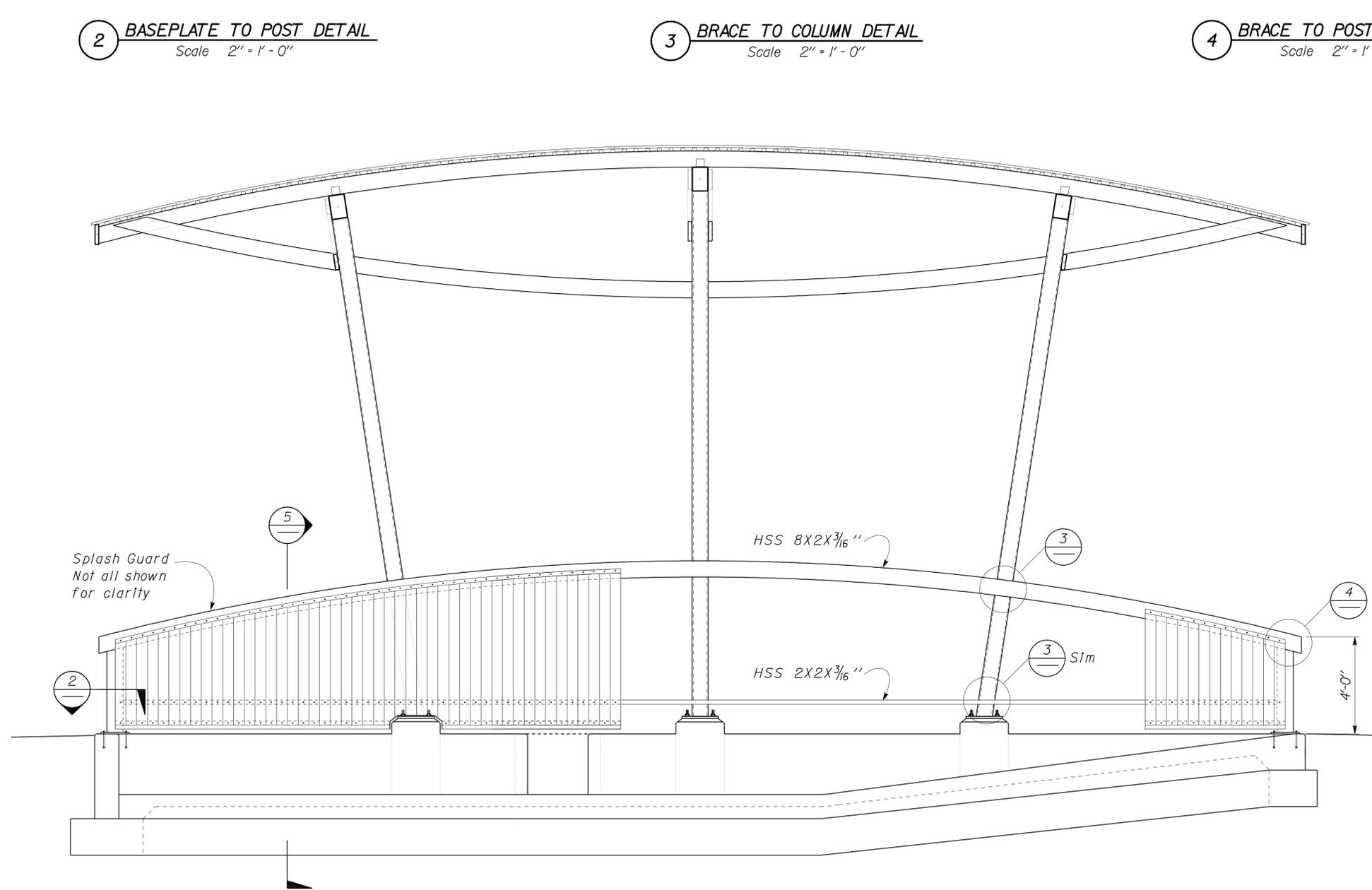
2 BASEPLATE TO POST DETAIL
Scale 2" = 1'-0"



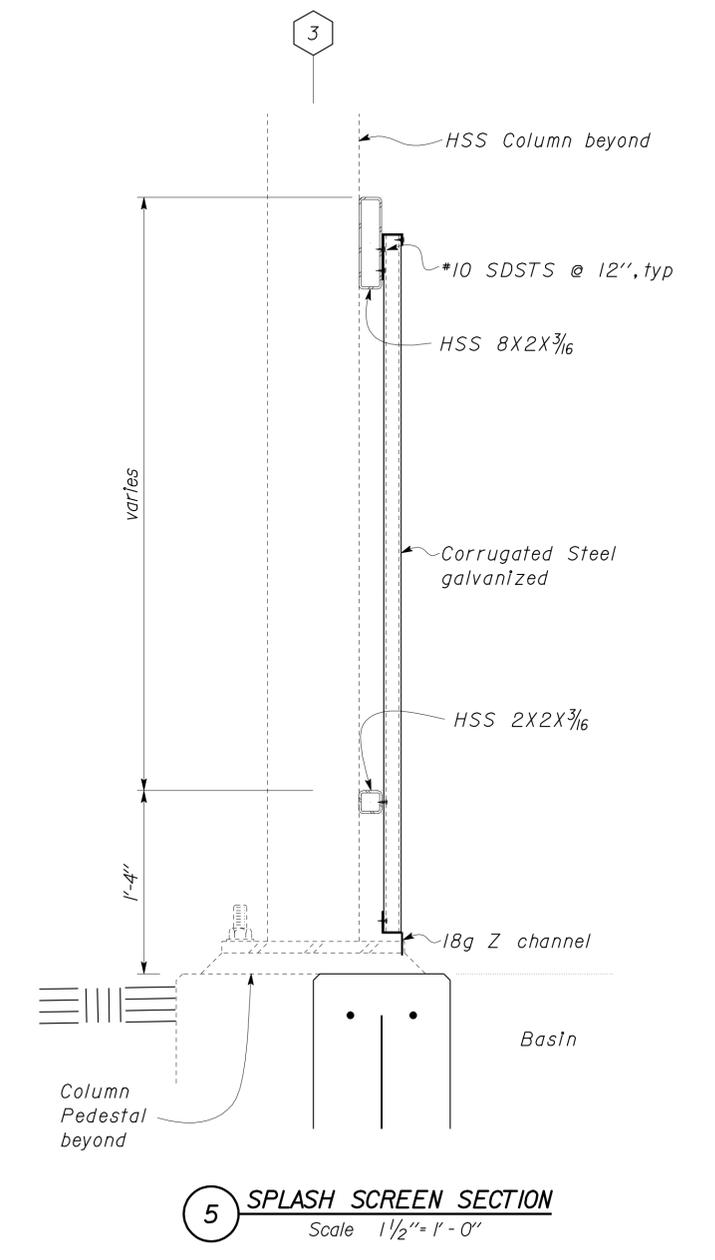
3 BRACE TO COLUMN DETAIL
Scale 2" = 1'-0"



4 BRACE TO POST DETAIL
Scale 2" = 1'-0"



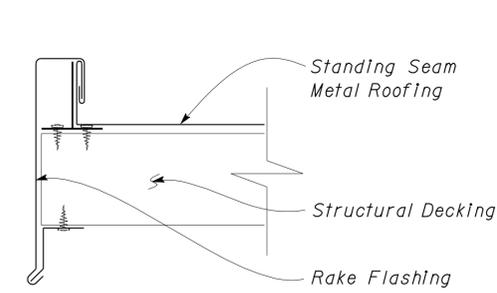
1 CANOPY SECTION
Scale 3/8" = 1'-0"



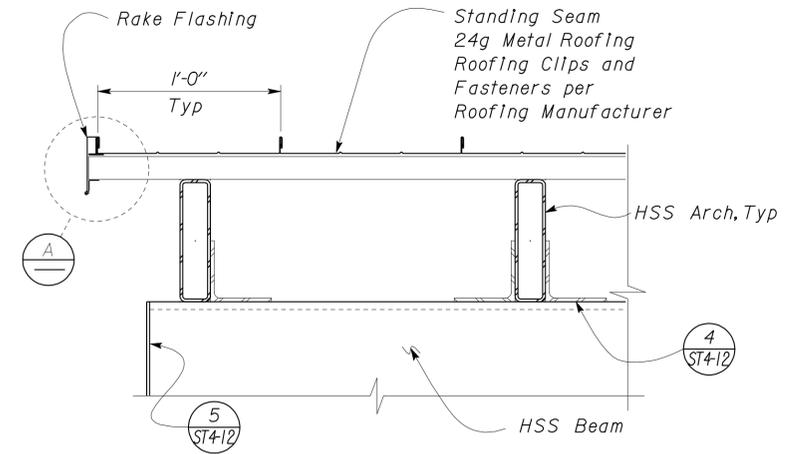
5 SPLASH SCREEN SECTION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5724	SONORA MS	DISTRICT 10 WASHRACKS SPLASH GUARD DETAILS	SHEET ST4-5
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	EA 10-0W5401	11-01-11			

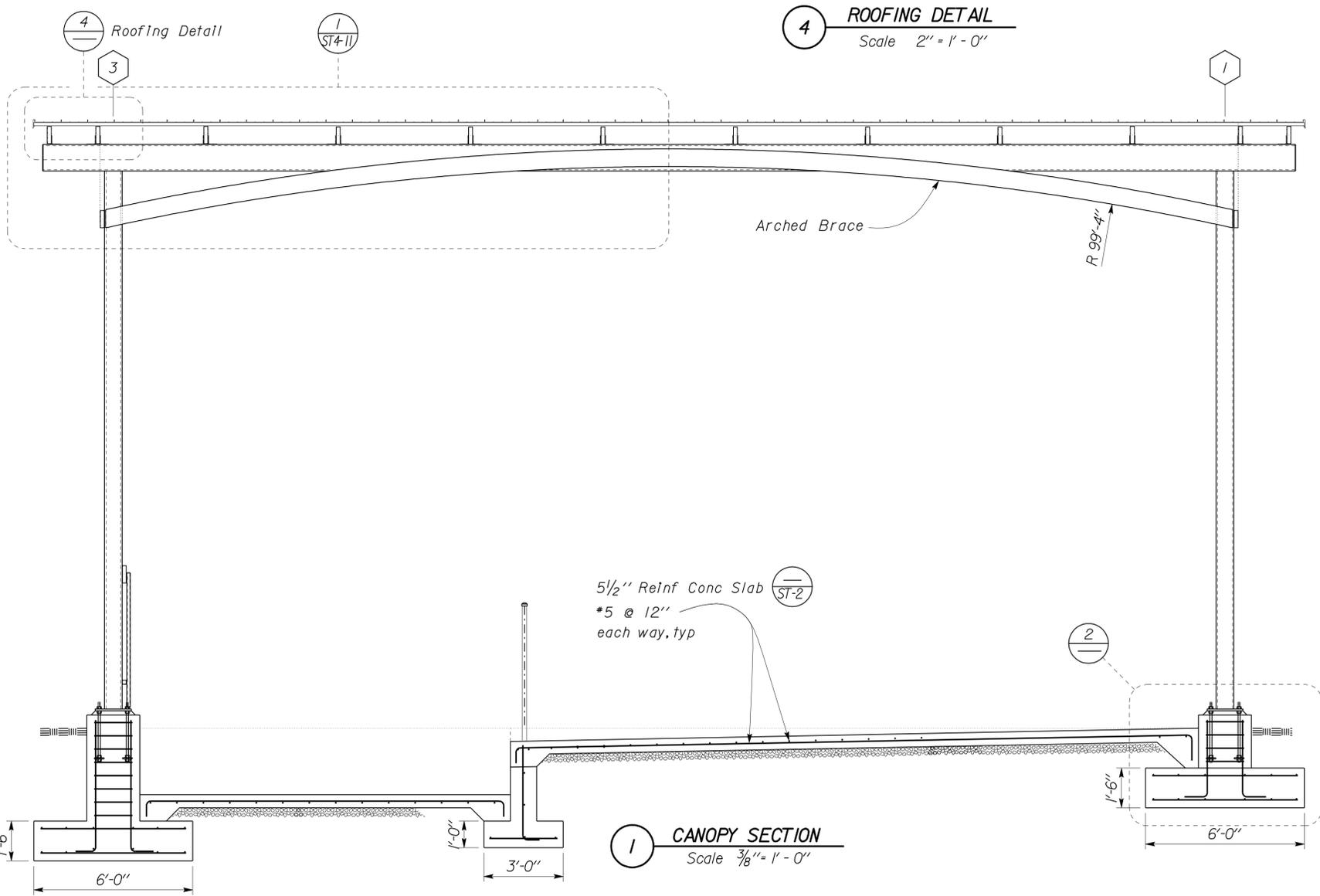
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	77	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



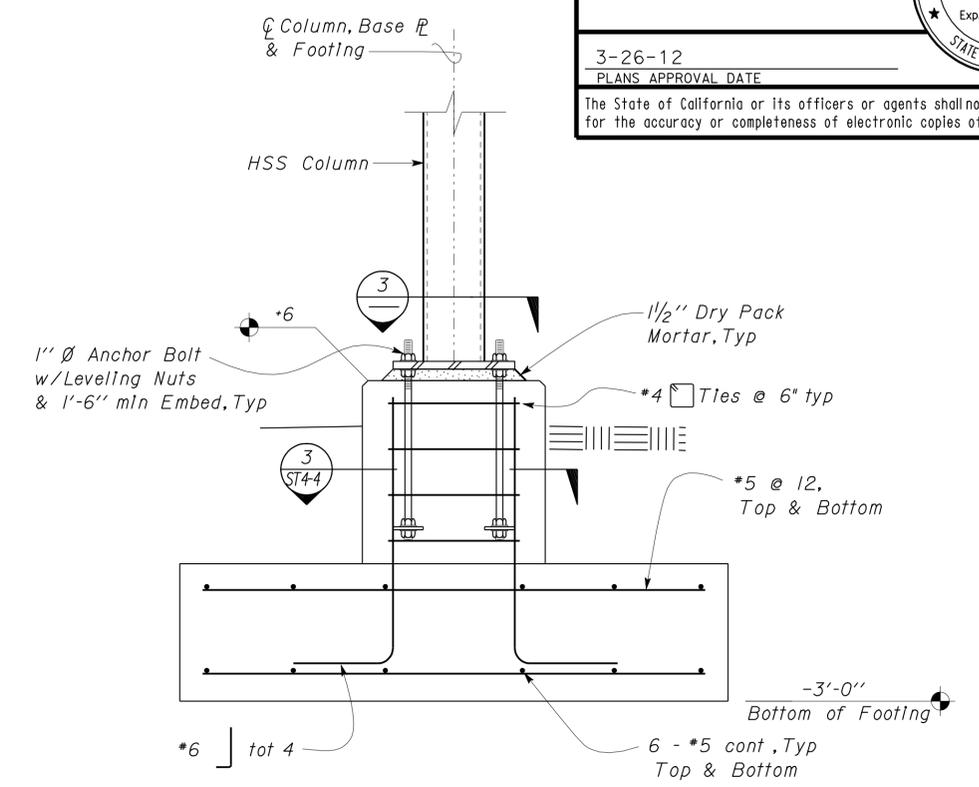
A RAKE DETAIL
No Scale



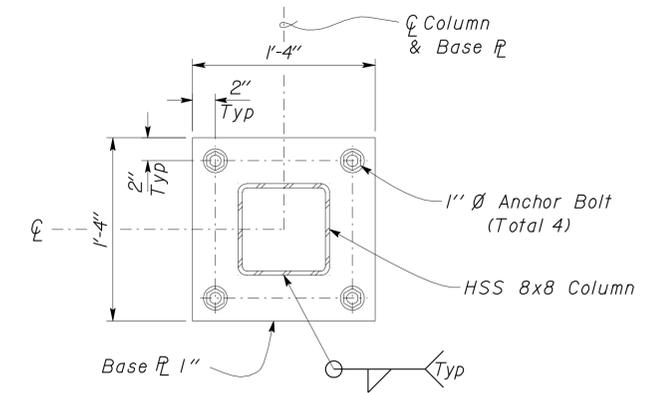
4 ROOFING DETAIL
Scale 2" = 1'-0"



1 CANOPY SECTION
Scale 3/8" = 1'-0"

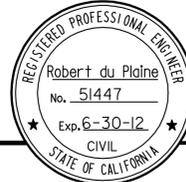


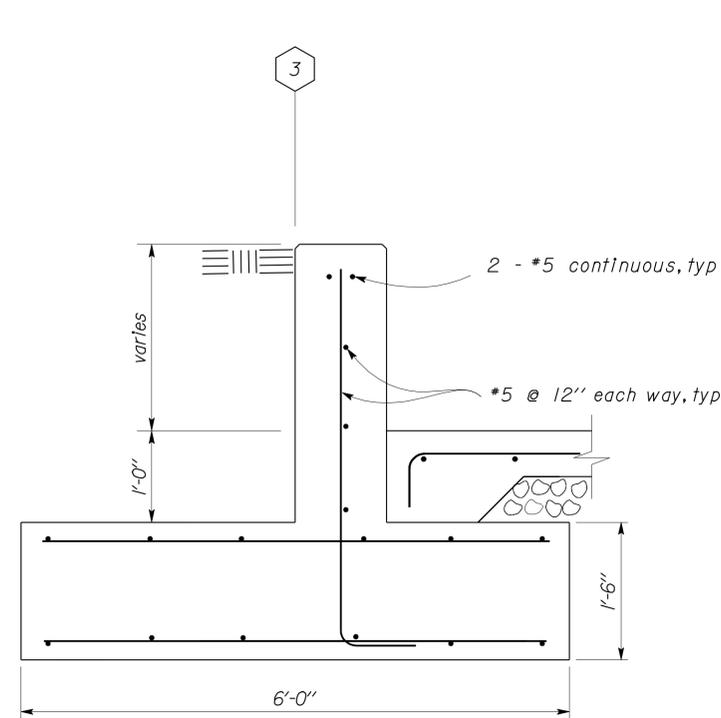
2 CANOPY FOOTING DETAIL
Scale 1" = 1'-0"



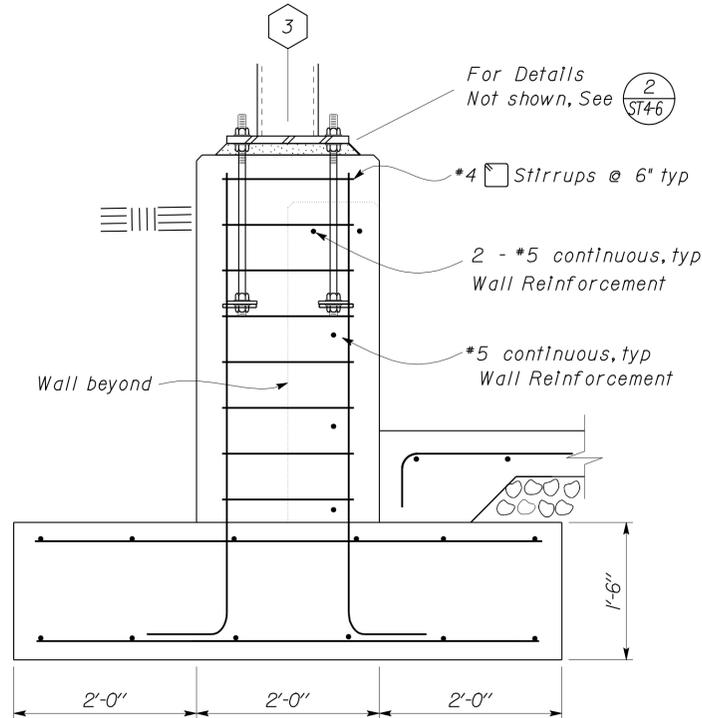
3 BASE PLATE DETAIL
Scale 1 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5724	SONORA MS	DISTRICT 10 WASHRACKS	SHEET ST4-6
	DETAILS	BY Janice Fujii			CHECKED Robert du Plaine			
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3599 10000206691		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3		11-01-11		C:\Documents and Settings\jffujii\Desktop\Temp4_Sonora\st4_06.dgn	

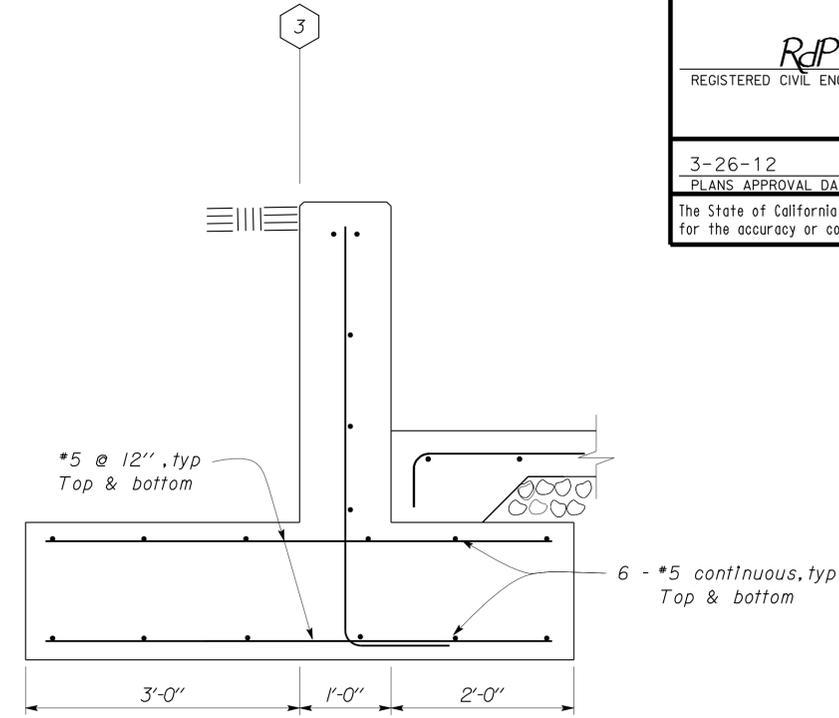
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	78	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



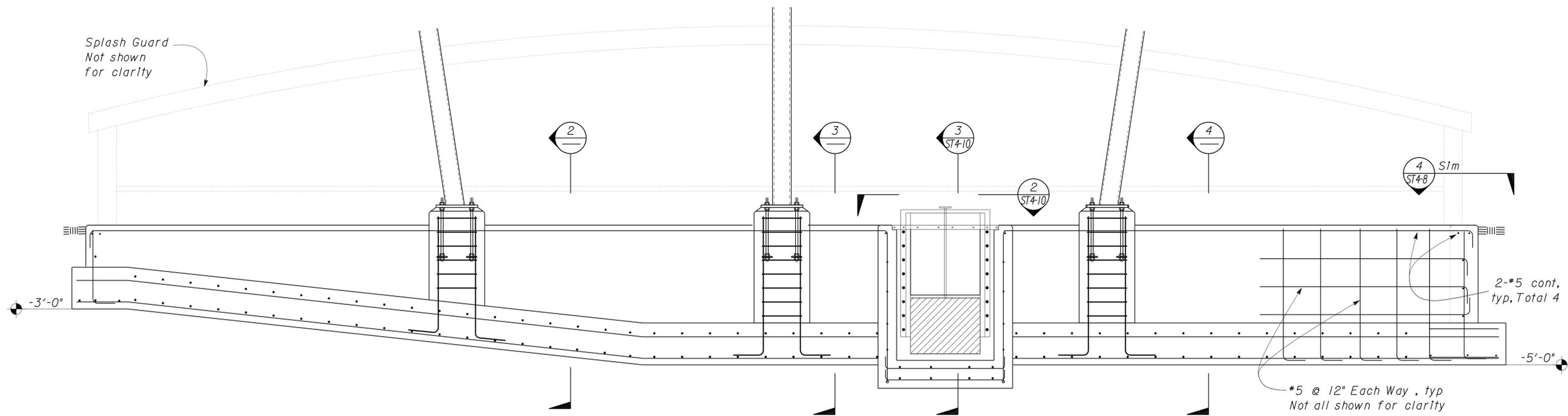
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"

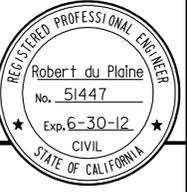


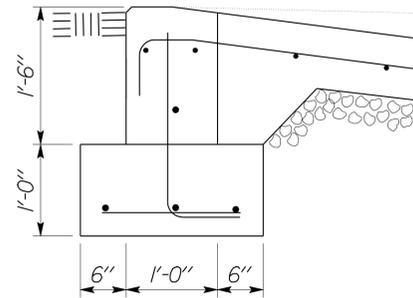
4 WALL SECTION
Scale 1" = 1'-0"



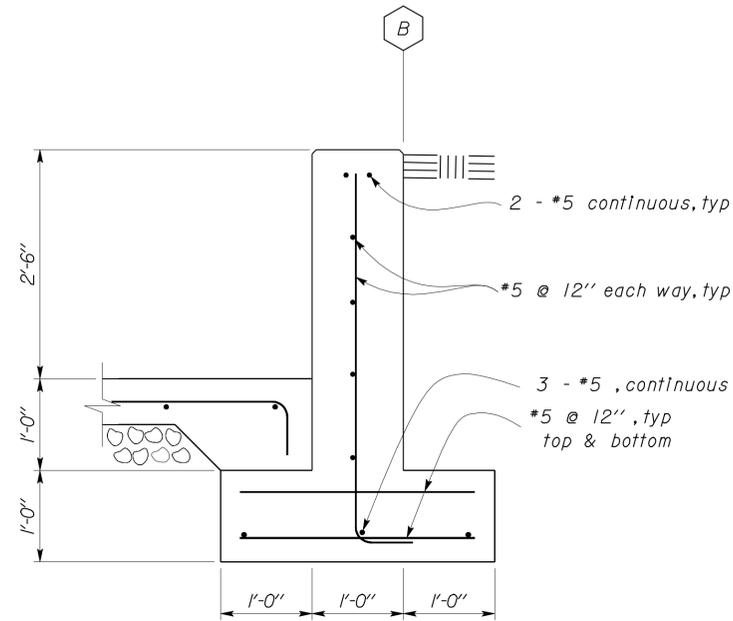
1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5724	SONORA MS	DISTRICT 10 WASHRACKS	SHEET ST4-7
				POST MILE			
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine	UNIT PROJECT NUMBER & PHASE 3599 10000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	11-01-11	SHEET OF			

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	79	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

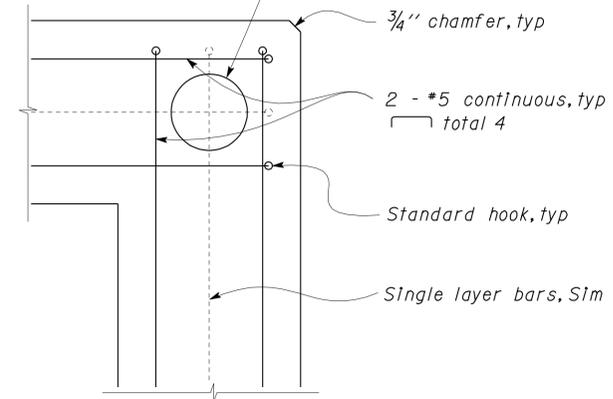


2 RAMP SECTION
Scale 1" = 1'-0"

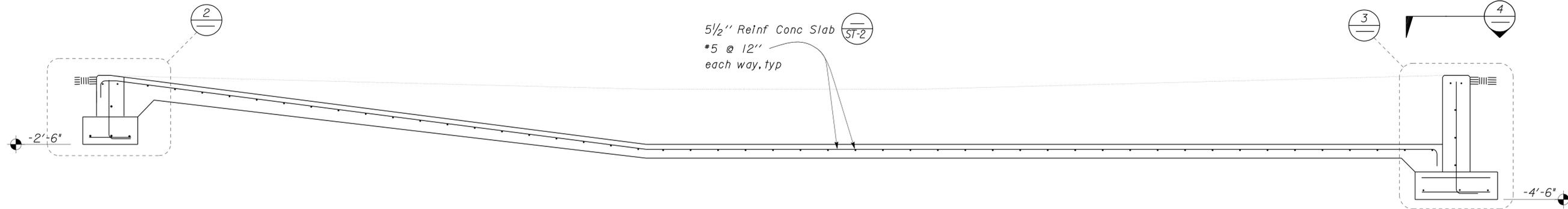


3 WALL SECTION
Scale 1" = 1'-0"

Cable Railing Post Blockout
See Standard Plans B11-47



4 CORNER REINFORCEMENT
Scale 2" = 1'-0"



1 BASIN SECTION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

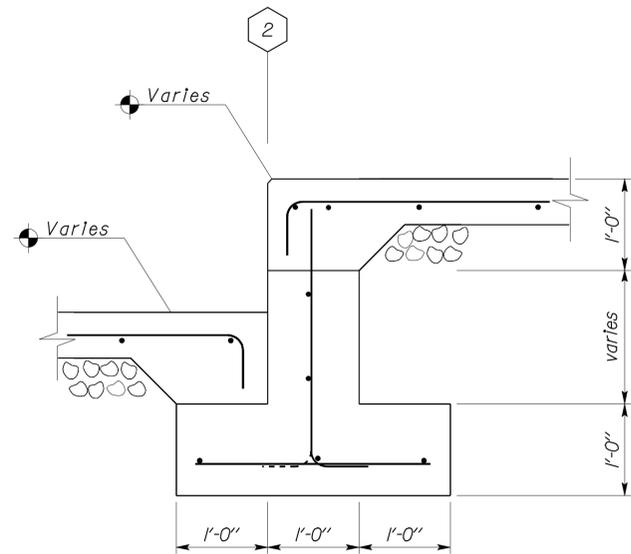
BRIDGE NO. M5724
POST MILE

SONORA MS

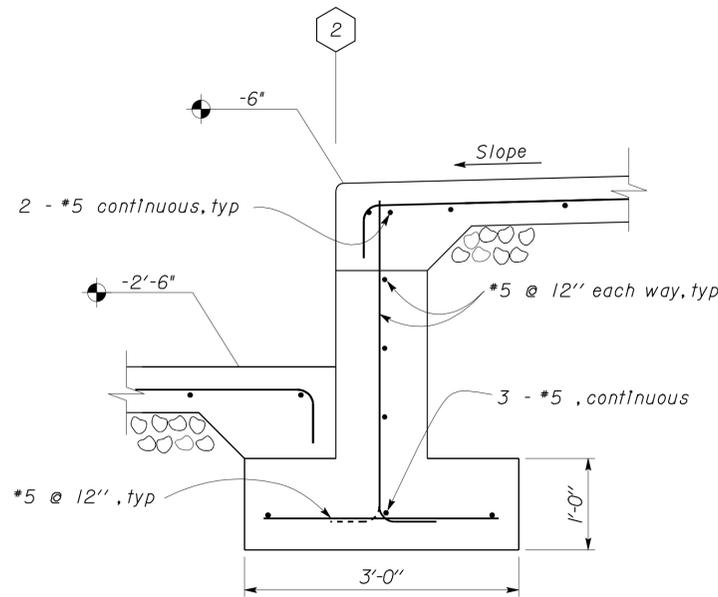
DISTRICT 10 WASHRACKS
BASIN SECTION

SHEET **ST4-8**

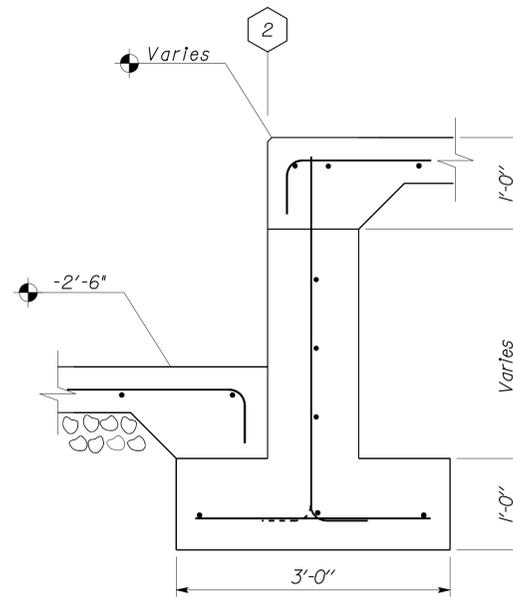
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	80	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



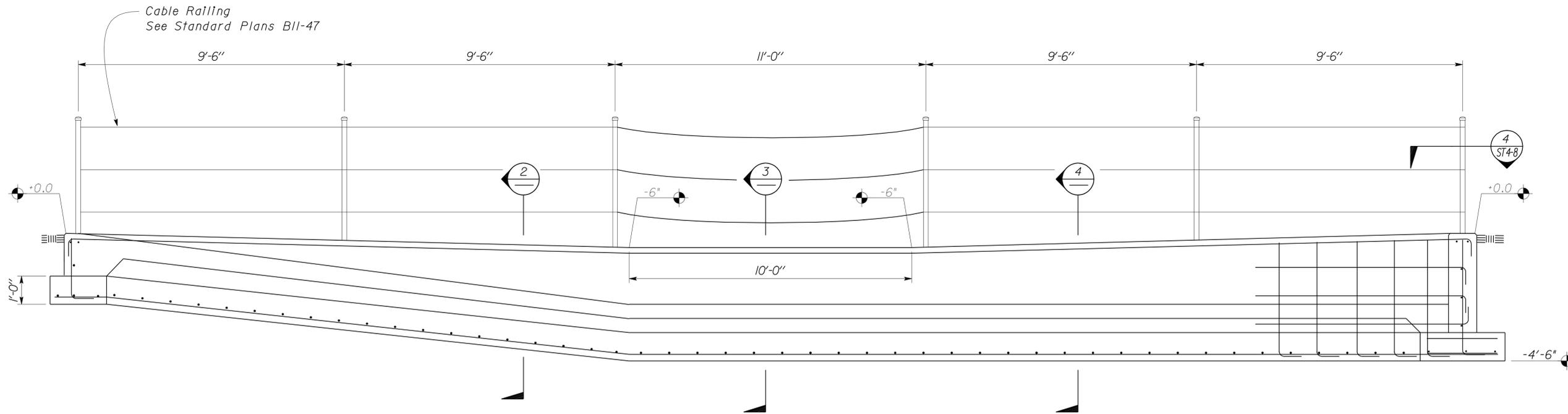
2 WALL SECTION
Scale 1" = 1'-0"



3 WALL SECTION
Scale 1" = 1'-0"



4 WALL SECTION
Scale 1" = 1'-0"



1 BASIN ELEVATION
Scale 1/2" = 1'-0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

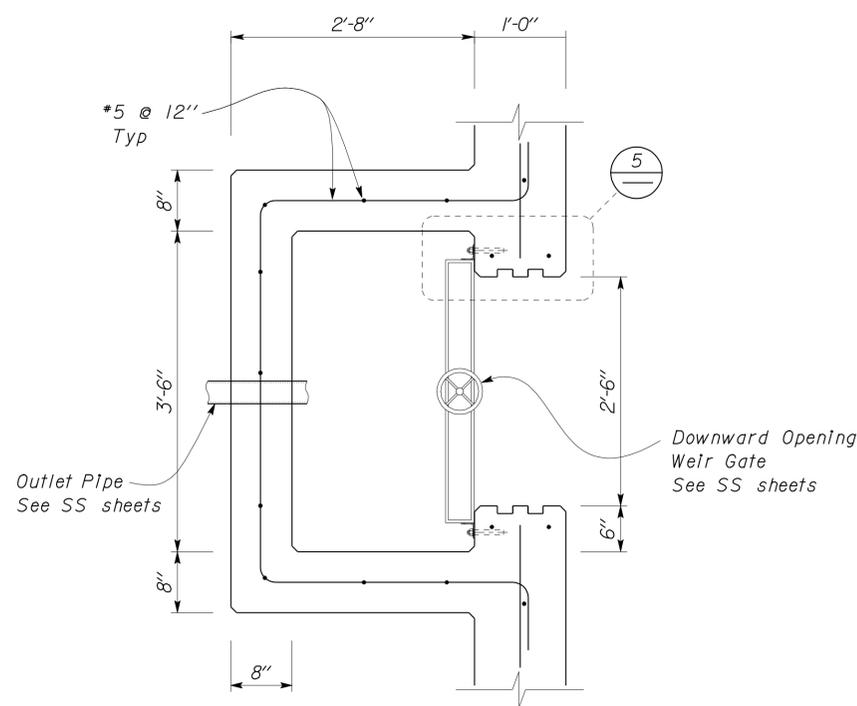
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	M5724
POST MILE	SONORA MS

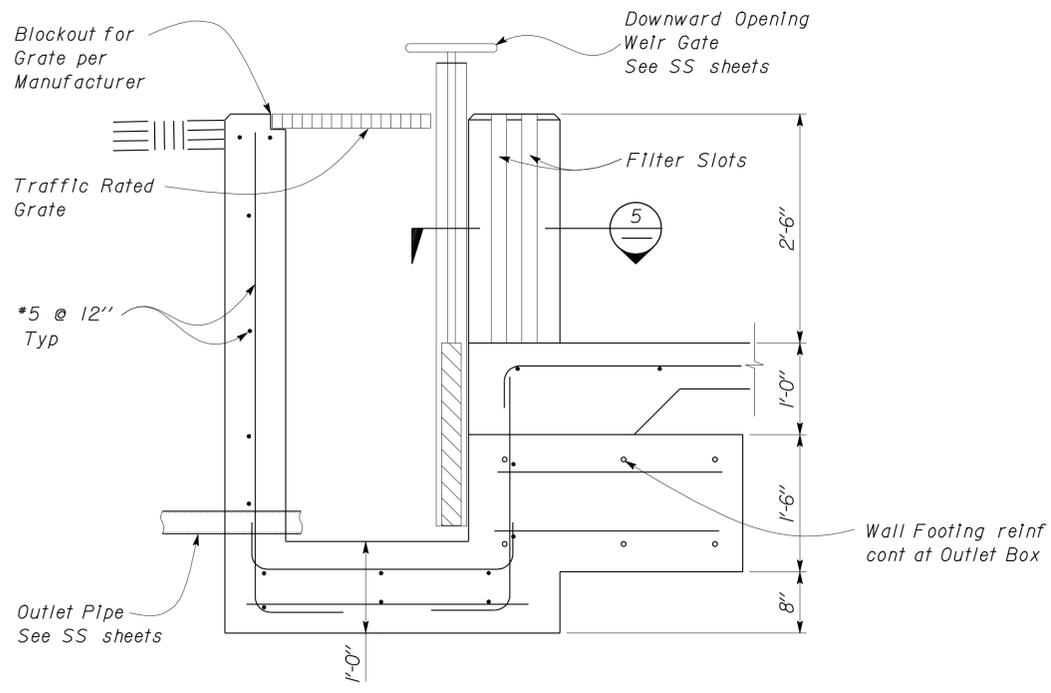
DISTRICT 10 WASHRACKS
WALL ELEVATION

SHEET **ST4-9** OF

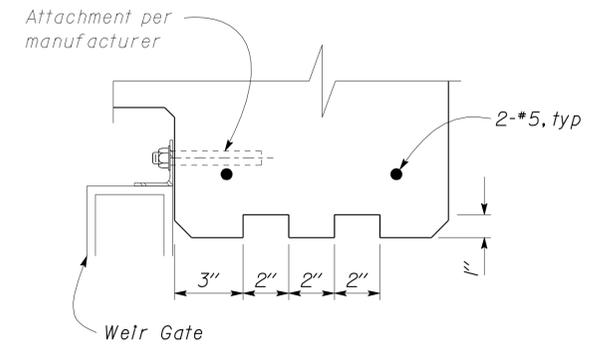
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	81	96
RJP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



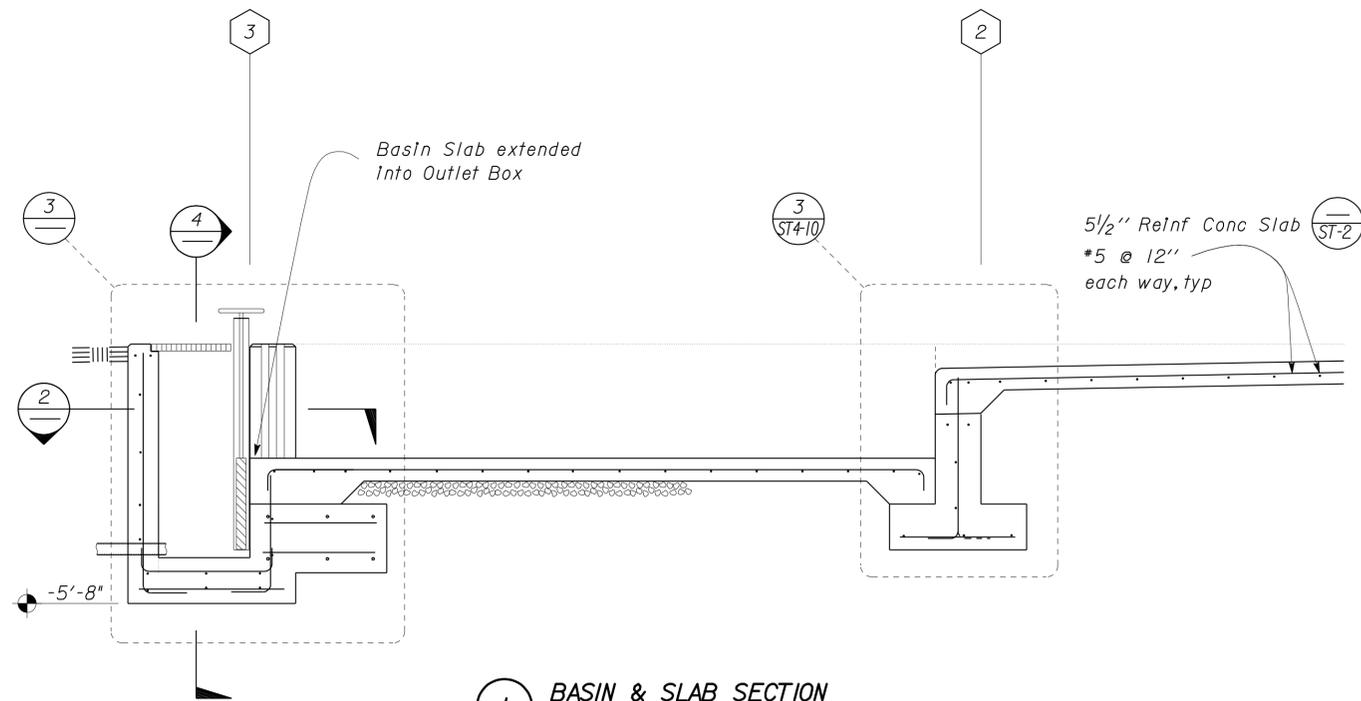
2 OUTLET BOX SECTION
Scale 1" = 1' - 0"



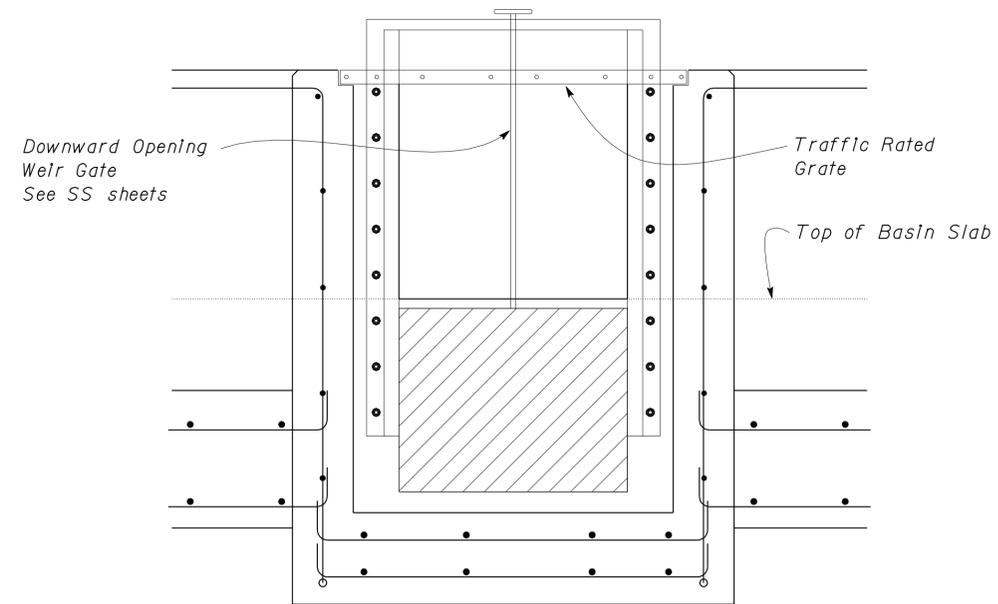
3 OUTLET BOX DETAIL
Scale 1" = 1' - 0"



5 FILTER SLOT DETAIL
Scale 3" = 1' - 0"



1 BASIN & SLAB SECTION
Scale 1/2" = 1' - 0"



4 OUTLET BOX SECTION
Scale 1" = 1' - 0"

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5724
POST MILE

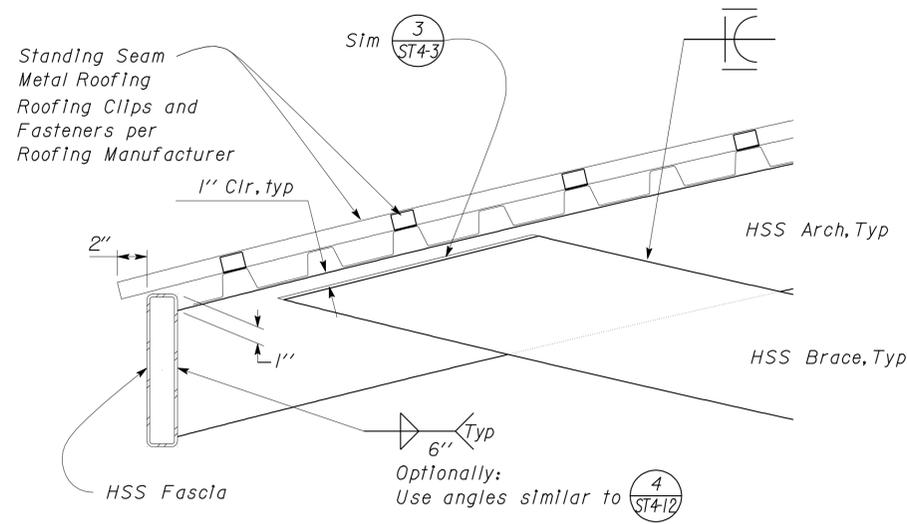
SONORA MS

DISTRICT 10 WASHRACKS

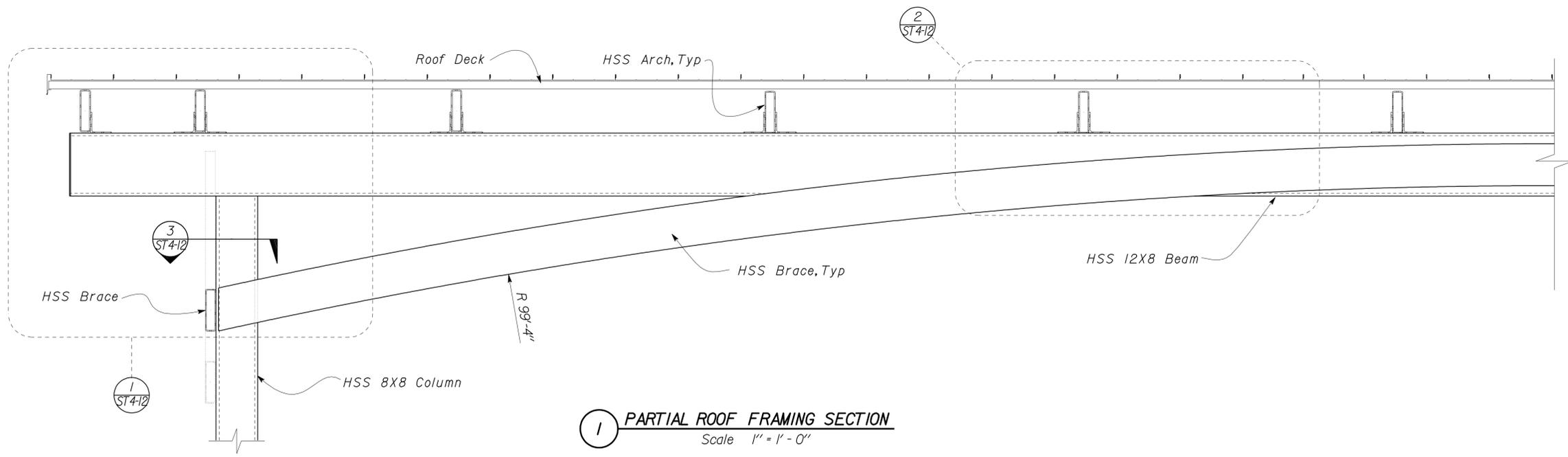
OUTLET BOX DETAILS

SHEET ST4-10 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuo	49,120	Var	82	96
RJP			11-7-11		
REGISTERED CIVIL ENGINEER			DATE		
3-26-12 PLANS APPROVAL DATE					
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2 ROOFING DETAIL
Scale 2" = 1'-0"

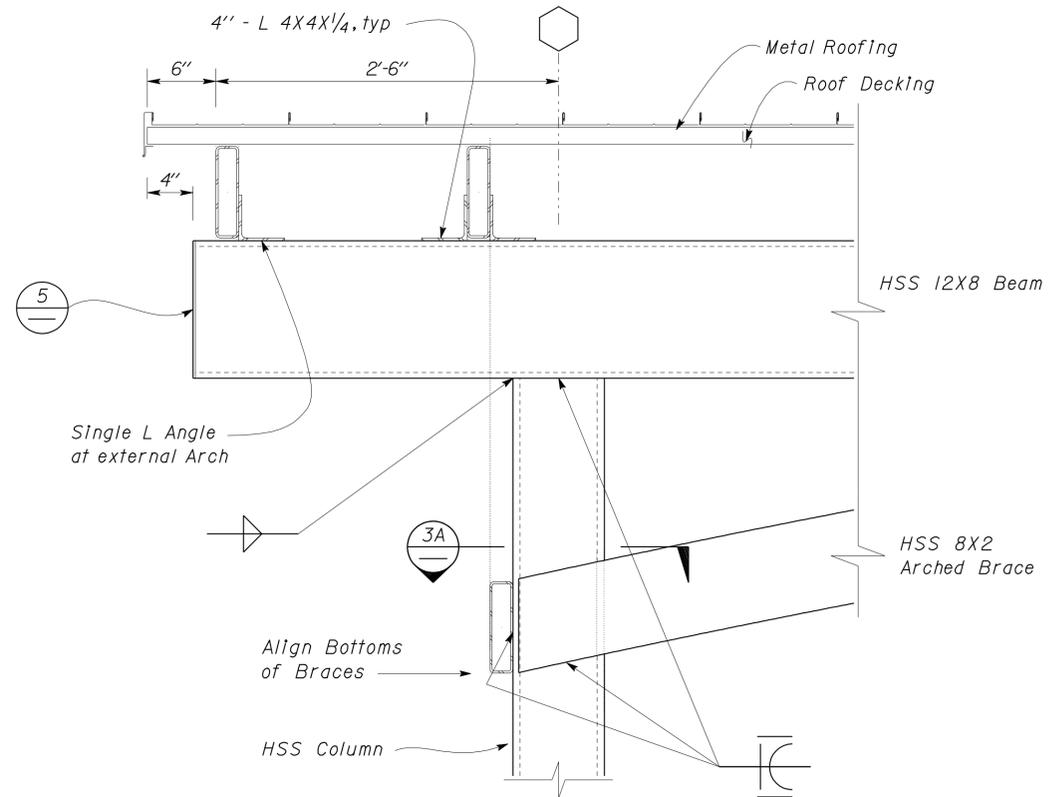


1 PARTIAL ROOF FRAMING SECTION
Scale 1" = 1'-0"

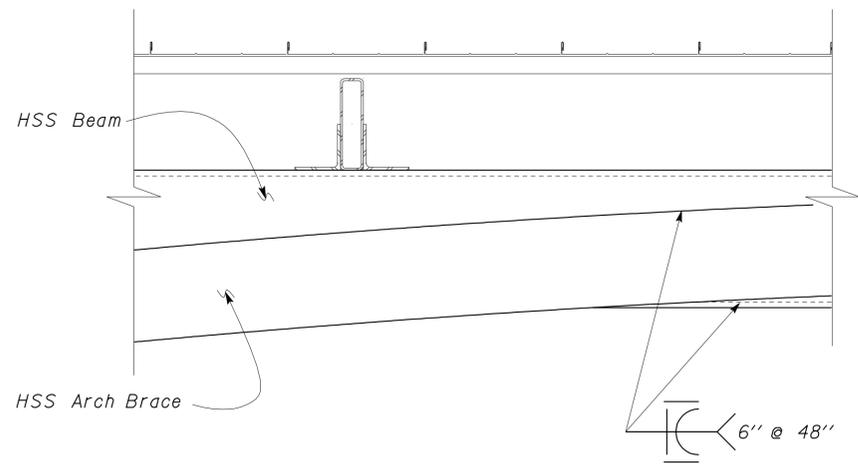
NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN BY Robert du Plaine	CHECKED BY Brian T. Sutliff	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. M5724	SONORA MS	DISTRICT 10 WASHRACKS	SHEET ST4-11
				POST MILE			
DETAILS BY Janice Fujii	CHECKED BY Robert du Plaine	UNIT PROJECT NUMBER & PHASE 3599 10000206691		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 10-0W5401	11-01-11			SHEET OF

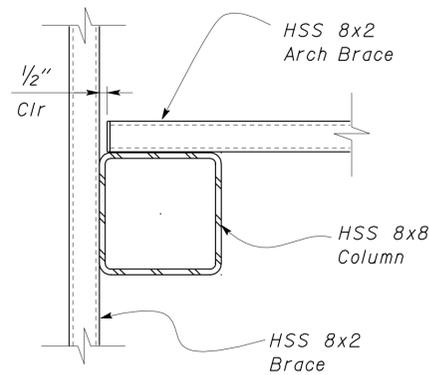
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG,Mpa, Tuu	49,120	Var	83	96
RJP			11-7-11	REGISTERED PROFESSIONAL ENGINEER Robert du Plaine No. 51447 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
REGISTERED CIVIL ENGINEER			DATE		
3-26-12			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



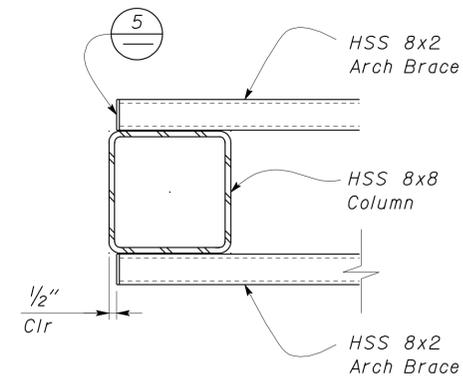
1 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



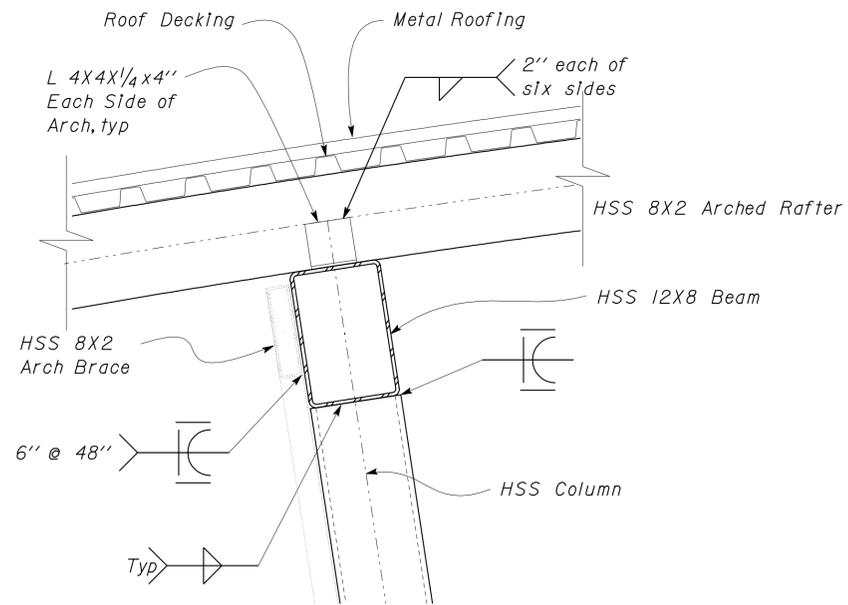
2 BRACE TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



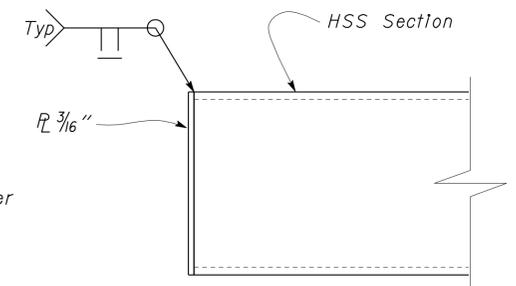
3A COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



3B COLUMN TO BRACE DETAIL
Scale 2" = 1' - 0"



4 COLUMN TO BEAM CONNECTION DETAIL
Scale 1 1/2" = 1' - 0"



5 END PLATE
No Scale

NOTE
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

DESIGN	BY Robert du Plaine	CHECKED Brian T. Sutliff
DETAILS	BY Janice Fujii	CHECKED Robert du Plaine
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. M5724
POST MILE

SONORA MS

DISTRICT 10 WASHRACKS
CANOPY FRAMING DETAILS

SHEET ST4-12 OF

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER
	POLE-ARM ELECTROLIER
CEILING WALL	
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE
	EXIT LIGHT
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT FIXTURES
NOTE: A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHANUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (I=INCANDESCENT, F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE. EXAMPLE: (4) F 2 - 2 x 32	
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET
	RANGE OUTLET
	CLOCK HANGER RECEPTACLE
	FAN HANGER RECEPTACLE
	FLOOR SINGLE RECEPTACLE OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET
	FLOOR SPECIAL PURPOSE OUTLET
	FLOOR RADIO OUTLET
	FLOOR TELEPHONE OUTLET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG
	MULTI-OUTLET ASSEMBLY
S	SINGLE POLE SWITCH
S ₂	DOUBLE POLE SWITCH
S ₃	THREE WAY SWITCH
S ₄	FOUR WAY SWITCH
S _D	AUTOMATIC DOOR
S _K	KEY OPERATED SWITCH
S _P	SWITCH AND PILOT LIGHT
S _{MC}	MOMENTARY CONTACT SWITCH
S _{RC}	REMOTE CONTROL SWITCH
S _{WP}	WEATHERPROOF SWITCH
S _F	FAN SWITCH
S _L	LIGHT SWITCH
S _H	HEATER SWITCH
S _{VS}	VARIABLE SPEED MOTOR CONTROL SWITCH
S _{CHLF}	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP

SYMBOL	DESCRIPTION
S ₁	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S ₂	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
S _M	MOTION SENSOR SWITCH
S _T	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
S _{HP}	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
T _s	TIMER SWITCH
S	SWITCH AND SINGLE RECEPTACLE
S	SWITCH AND DUPLEX RECEPTACLE
C	HAND DRYER NOZZLE
H	HAND DRYER
▲	RADIO OUTLET
□	COMMUNICATION OUTLET
▲	SOUND SYSTEM LOUD SPEAKER OUTLET
■	PUSHBUTTON
■	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
■	PUSHBUTTON STATION MOTOR CONTROL
■	BUZZER
■	BELL
■	COMBINATION BELL-BUZZER
T	THERMOSTAT
PS	PRESSURE SWITCH
R	CONTROL RELAY
FS	FLOW SWITCH
PEC	PHOTOELECTRIC CELL
R	RADIO OUTLET
TV	TELEVISION OUTLET
M	MICROPHONE OUTLET
■	FLUSH-MOUNTED PANELBOARD AND CABINET
■	SURFACE-MOUNTED PANELBOARD AND CABINET
■	LIGHTING PANEL
■	POWER PANEL
■	COMBINATION LIGHTING AND POWER
MC	MOTOR CONTROLLER
■	DISCONNECT SWITCH
---	CONDUIT CONCEALED IN CEILING OR WALL
----	CONDUIT CONCEALED IN FLOOR
---	CONDUIT EXPOSED
---#---	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES #12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH #12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
Al, 2	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
SM	SURFACE METAL RACEWAY
(2) 1/2" C, PVC, 2#12	CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
MC	CONDUIT, RIGID STEEL, UNDERGROUND
PVC	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
~	CONDUIT, FLEXIBLE
○	CONDUIT, TURN UP
○	CONDUIT, TURN DOWN
■	CONDUIT SEAL, EXPLOSION-PROOF
■	CONDUIT, EXPANSION JOINT
→	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
○	POLE

SYMBOL	DESCRIPTION
OC	OCCUPANCY SENSOR
P	OCCUPANCY SENSOR POWER PACK
H	HEAT DETECTOR
S	SMOKE DETECTOR
P	MANUAL PULL STATION
AV	AUDIO/VISUAL ALARM DEVICE
G	GLASS BREAK DISCRIMINATOR
C	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
C	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
K	KEYPAD FOR ALARM SYSTEM
▲	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
□	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO) SIZE 5 UNLESS OTHERWISE NOTED
□ (T)	PULL BOX (TRAFFIC RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO). SIZE 5 UNLESS OTHERWISE NOTED
CHLF	COMBINATION HEAT, LIGHT AND FAN UNIT
A	SECTION/ELEVATION LETTER
EE-2	SHEET NUMBER
I	DETAIL NUMBER
EE-2	SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
⊖	EXISTING FLUORESCENT FIXTURE-TO REMAIN
⊖	EXISTING FLUORESCENT FIXTURE-REMOVE
⊖	EXISTING INCANDESCENT FIXTURE-TO REMAIN
⊖	EXISTING INCANDESCENT FIXTURE-REMOVE
○	EXISTING OUTLET-TO REMAIN
○	EXISTING RECEPTACLE OUTLET-TO REMAIN
○	EXISTING RECEPTACLE OUTLET-REMOVE
-E-E-	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
-*-*	EXISTING CONDUIT AND CONDUCTORS-REMOVE
S	EXISTING SWITCH-TO REMAIN
X	EXISTING SWITCH-REMOVE
J	EXISTING JUNCTION BOX-TO REMAIN
X	EXISTING JUNCTION BOX-REMOVE

STANDARD NOTES

AB	ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
BC	INSTALL PULL BOX IN EXISTING CONDUIT RUN.
CB	INSTALL CONDUIT INTO EXISTING PULL BOX.
CC	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
CF	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS, INSTALL PULL ROPE AND PLUG.
FA	REMOVE FOUNDATION ABOVE GRADE AND ABANDON FOUNDATION BELOW GRADE.
RL	RELOCATE EQUIPMENT.
RLD	RELOCATED EQUIPMENT.
SC	SPLICE NEW TO EXISTING CONDUCTORS.
RC	REMOVE AND BECOME PROPERTY OF THE CONTRACTOR

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE POLE
	CIRCUIT BREAKER, DOUBLE POLE
	CIRCUIT BREAKER, THREE POLE
	CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE POLE DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	THERMAL OVERLOAD
	FUSE
	RESISTOR
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
G	GENERATOR
M	MOTOR
F	FAN MOTOR

PROJECT NOTES

- SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	84	96

Eric Greve
REGISTERED ELECTRICAL ENGINEER
DATE: 01-24-12

3-26-12
PLANS APPROVAL DATE

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ABBREVIATIONS

A	AMPERES
A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AI	ANALOG INPUT
AL	ALARM LIGHT
AO	ANALOG OUTPUT
ATS	AUTOMATIC TRANSFER SWITCH
BD	BUILDING DISCONNECT
BRK	BREAKER
C	CONDUIT
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CR	CONTROL RELAY
CSW	CURRENT SWITCH
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DP	DUPLEX PLUG RECEPTACLE
DS	DOOR SWITCH
(E)	EXISTING
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLA	FLASHER
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IFS	INTEGRATED FACILITY SWITCHBOARD
JB	JUNCTION BOX
L	LIGHT
LC	LIGHTING CONTACTOR
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LL	LIQUID LEVEL RELAY
LLC	LIQUID LEVEL CONTROLLER
LP	LIGHT PANEL
LS	LIGHT SWITCH
LT	LIGHT TRANSFORMER
LTO	LIGHT TRANSFORMER OVERLOAD
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MCC	MOTOR CONTROL CENTER
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NSW	NEUTRAL SWITCHING BREAKER
OL	OVERLOAD
P	POLE
PB	PULL BOX
PB	PUSHBUTTON
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
PEC	PHOTOELECTRIC CELL
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PTS	POWER TRANSFER SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SD	SERVICE DISCONNECT
SFR	SEAL FAILURE RELAY
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
TB	TERMINAL BLOCK
TDR	TIME DELAY RELAY
TGLS	TOGGLE SWITCH
TM	TIME METER
TOT	TOTAL
TS	TIMER SWITCH
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TYP	TYPICAL
UPS	UNINTERRUPTIBLE POWER SUPPLY
WLS	WATER LEVEL SWITCH
WP	WEATHERPROOF

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
DATE: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS	SHEET EEO-0
DETAILS	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>		POST MILE X	LEGEND		
QUANTITIES	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>		UNIT PROJECT NUMBER & PHASE EA 00000	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT: 3618
PROJECT NUMBER & PHASE: 100000206691

REVISION DATES (PRELIMINARY STAGE ONLY): 3/19/09 1/24/12

TAEMWW Imper-Id Rev. 7/10

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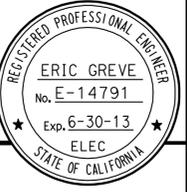
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Alameda, Contra Costa	49,120	Var	85	96

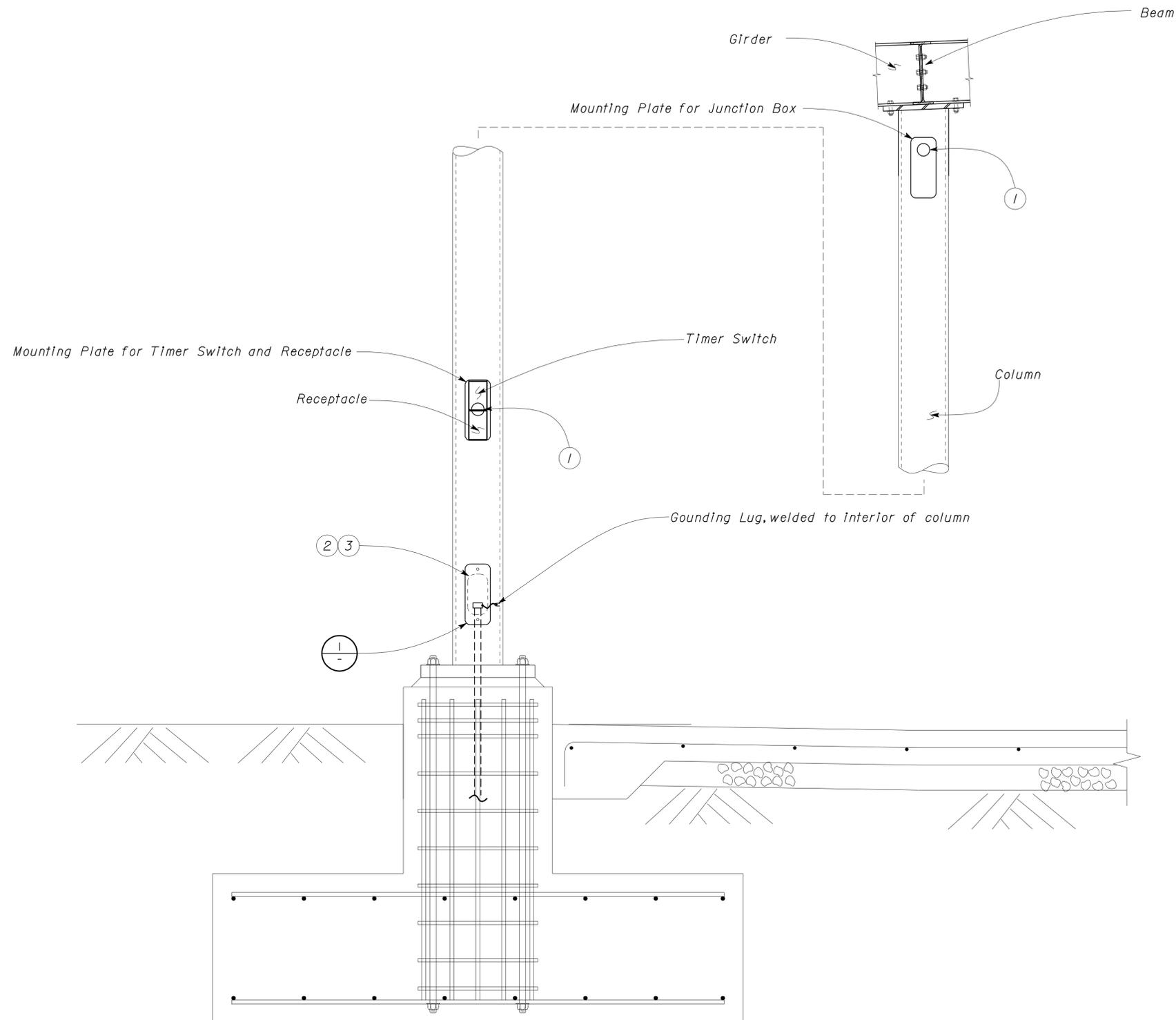
<i>Eric Greve</i>		01-24-12
REGISTERED ELECTRICAL ENGINEER	DATE	

3-26-12
PLANS APPROVAL DATE

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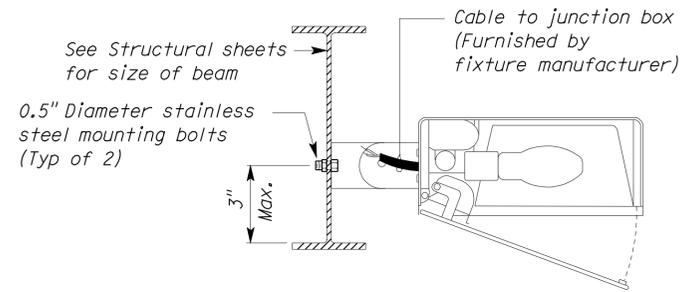


CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

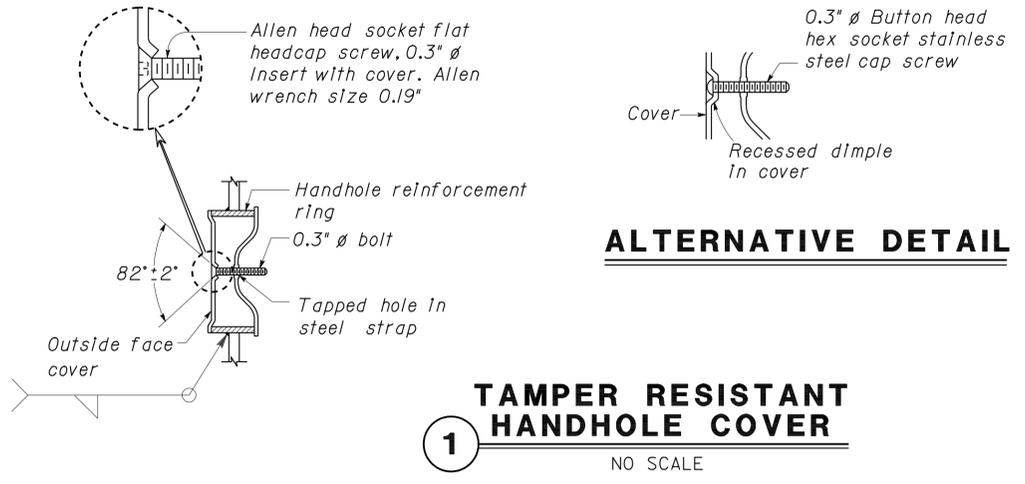


A FOUNDATION/ CONDUIT DETAIL
NO SCALE

- Notes:
- 1 Provide circular aperture in structural element, $\frac{5}{8}$ " diameter, for passage of conductors.
 - 2 Center of handhole shall be 12" above base plate.
 - 3 2"x4" handhole reinforced with ring, welded to outside of structural element. Handhole reinforcement ring shall be 0.23"x2", for handhole cover, see detail this sheet. See Structural Sheets.



B FIXTURE MOUNTING DETAIL
NO SCALE



1 TAMPER RESISTANT HANDHOLE COVER
NO SCALE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY				STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X POST MILE X	DISTRICT 10 WASHRACKS ELECTRICAL DETAILS	SHEET EE0-1				
DESIGN	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	UNIT PROJECT NUMBER & PHASE						3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
DETAILS	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0 1 2 3	6/28/11 7/14/11 8/28/11 1/24/12	OF	

TAEMWW Imperial Rev. 7/10 EA 000000 ee0_01.dgn

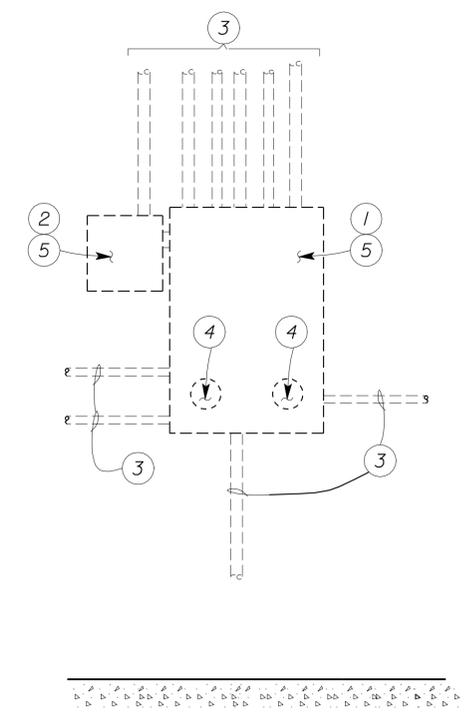
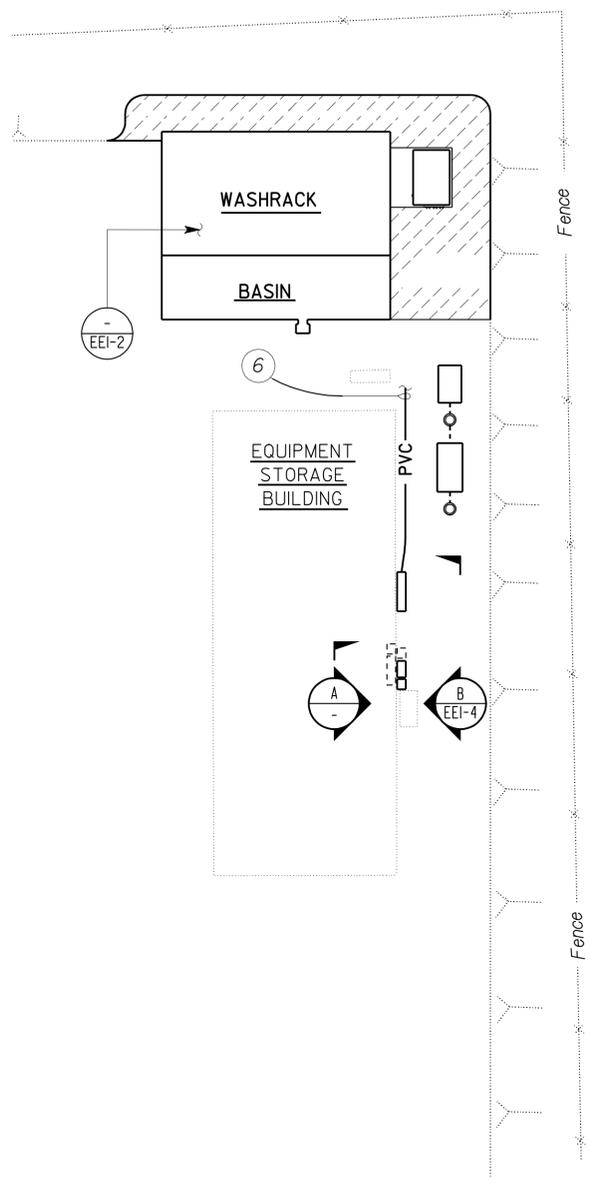
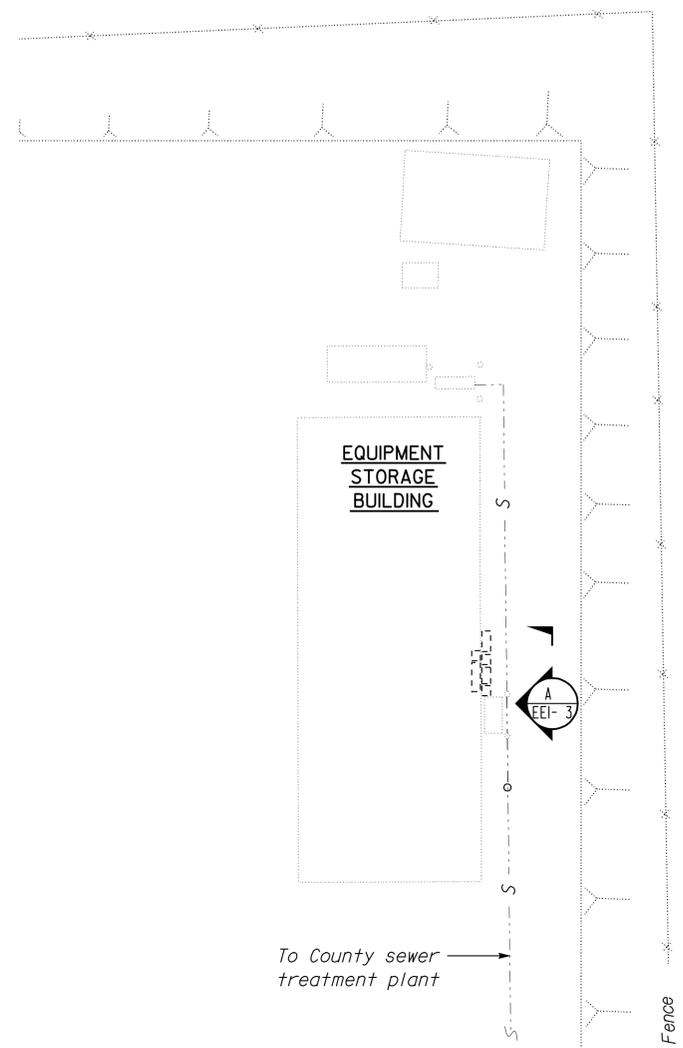
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amador, Tuolumne	49,120	Var	86	96
Eric Greve REGISTERED ELECTRICAL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:
FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
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 01-55-11-0004
 01-56-11-0020



- Notes:**
- Load Center A to remain as junction box. Label all conductors with unique circuit number, then disconnect conductors and remove all circuit breakers and bus bars.
 - Load Center B to remain as junction box. Label all conductors with unique circuit number, then disconnect conductors and remove all circuit breakers and bus bars.
 - Existing conduit system to remain
 - Existing conduit penetrations to exterior to remain.
 - Install new terminal blocks. terminate all existing conductors on new terminal blocks. Connect new conductors from IFS via terminal blocks to existing conductors.
 - 1/2"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 2*12 (vacuum), 2*12 (washrack lighting), 1*10G.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

 DESIGN SUPERVISOR DESIGN ENGINEER	DESIGN	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	X	DISTRICT 10 WASHRACKS COULTERVILLE M.S.	ELECTRICAL SITE PLAN	SHEET EE1-1	
	DETAILS	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>			POST MILE	X				
QUANTITIES	BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	UNIT PROJECT NUMBER & PHASE			3618 100000206691					
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 6/28/11 7/14/11 8/28/11 1/24/12			SHEET OF

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Ama, Mpa, Tuo	49,120	Var	87	96
 REGISTERED ELECTRICAL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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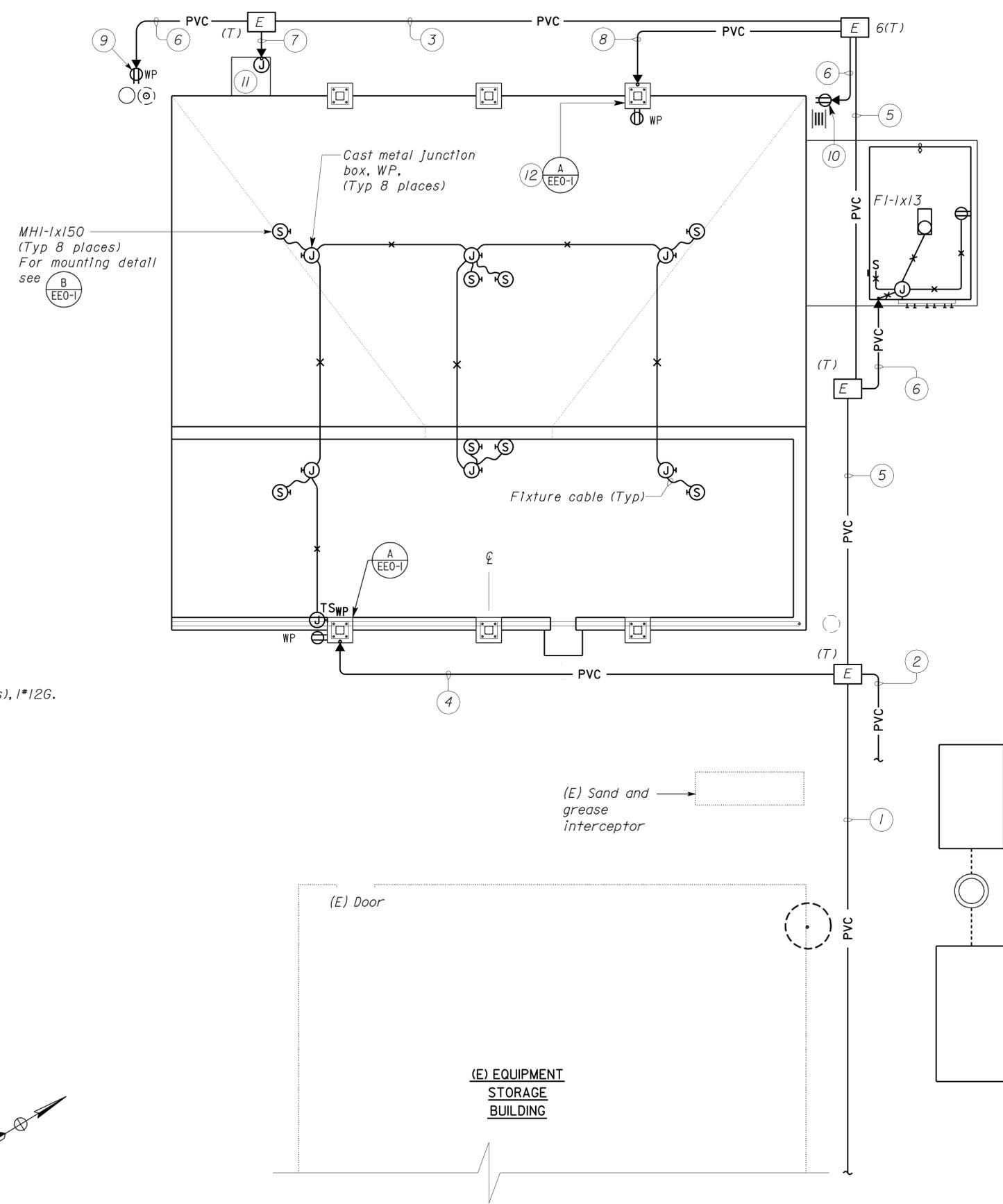
Reviewed by: 
FRANCIS SOLICH

Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

General Notes:

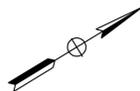
- A. For exact location of lighting fixtures, see Architectural sheets.
- B. All wall and roof penetrations shall be sealed watertight.



Notes:

- 1 1/2" C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 2*12 (vacuum), 2*12 (washrack lighting), 1*10G.
- 2 1/2" C, 2*12 (sludge sensors), 1*12G, see "SS" sheets for details.
- 3 1" C, 2*12 (vacuum), 2*12 (washrack receptacles), 1*12G.
- 4 1" C, 2*12 (washrack lighting), 2*12 (washrack receptacles), 1*12G.
- 5 1/2" C, 2*10 (pressure washer), 2*12 (vacuum), 2*12 (washrack receptacles), 1*12G.
- 6 1" C, 2*12 (washrack receptacles), 1*12G.
- 7 1" C, 2*12 (vacuum), 1*12G.
- 8 1" C, 2*10 (pressure washer), 1*12G.
- 9 Tank Truck Filler Receptacle, see "SS" sheets for details.
- 10 Hose Reel Receptacle (WP), see "SS" sheets for details.
- 11 Vacuum electrical connection, see "SS" sheets for details.
- 12 Omit Timer Switch.

WASHRACK AND BASIN
SCALE 1" = 5' - 0"



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.	DISTRICT 10 WASHRACKS		SHEET EE1-2
				ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		X	COULTERVILLE M. S.		
DETAILS BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
QUANTITIES BY <i>Eric Greve</i>	CHECKED <i>Tech Ngov</i>			3618 100000206691		6/28/11 8/28/11 1/24/12			
TAEMWW Imperial Rev. 7/10		EA 000000		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ee1_02.dgn		27-MAR-2012 07:01	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	88	96

Eric Greve
 REGISTERED ELECTRICAL ENGINEER DATE 01-24-12
 3-26-12
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
ERIC GREVE
 No. E-14791
 Exp. 6-30-13
 ELEC
 STATE OF CALIFORNIA

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MAIN: LUGS
VOLTS: 120/240 V, 3 Ø, 4-WIRE

LOADCENTER A (EXISTING)
REMOVE CIRCUIT BREAKERS,
ENCLOSURE TO REMAIN,
INSTALL TERMINAL BLOCKS

FEEDER SIZE: 4*3/0
LOCATION: EQUIPMENT STORAGE BUILDING

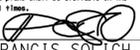
DESCRIPTION	BRK	CKT	A	B	C	CKT	BRK	DESCRIPTION
RECEPTACLES, WALL	20/1	1	•			2	20/1	SHOWER, SECOND BATHROOM
	-	3				4	-	
CEILING LIGHTS (FRONT)	20/1	5			•	6	20/1	OFFICE RECEPTACLES #1
CEILING LIGHTS (REAR & SPEC)	20/1	7	•			8	20/1	OFFICE RECEPTACLES #2
	-	9				10	-	
BENCH LIGHTS	20/1	11			•	12	20/1	FRONT HEATER
REAR HEATER	20/1	13	•			14	20/1	MEZZANINE LIGHTS
	-	15				16	-	
FLOODLIGHTS (MAIN BUILDING)	20/1	17			•	18	20/1	MISC LOADS
GENERATOR	20/1	19	•			20	20/1	RECEPTACLES, RIGHT BENCH (GFCI)
		21	•			22		
AIR COMPRESSOR	20/3	23	•			24	70/3	PANEL C (AT GAS HOUSE)
		25	•			26		
		27	•			28	-	
WELDER	100/2	29	•			30	20/1	RECEPTACLES, NORTH WALL & DOOR
		31	•			32		
EXHAUST FANS STATION #1 & STATION #2	15/3	33	•			34	30/3	HYDRAULIC HOIST MOTOR
		35	•			36		
		37	•			38	-	
LOAD CENTER "B"	100/3	39	•			40	-	
		41	•			42	-	

Notes:

- 1 RC existing meter enclosure.
- 2 RC main circuit breaker
- 3 RC junction box
- 4 Existing automatic transfer switch to remain.
- 5 Existing power conduit/conductors (automatic transfer switch) to remain.
- 6 Existing control conduit/conductors (automatic transfer switch) to remain.
- 7 Existing conduit penetrations to LoadCenter A (Interior) to remain.
- 8 RC existing small horizontal conduits between existing meter enclosure and ATS
- 9 2"C, 4*3/0 (service conductors) to remain.
- 10 2"C, 4*1, 1*6G (Panel C feeders) to remain

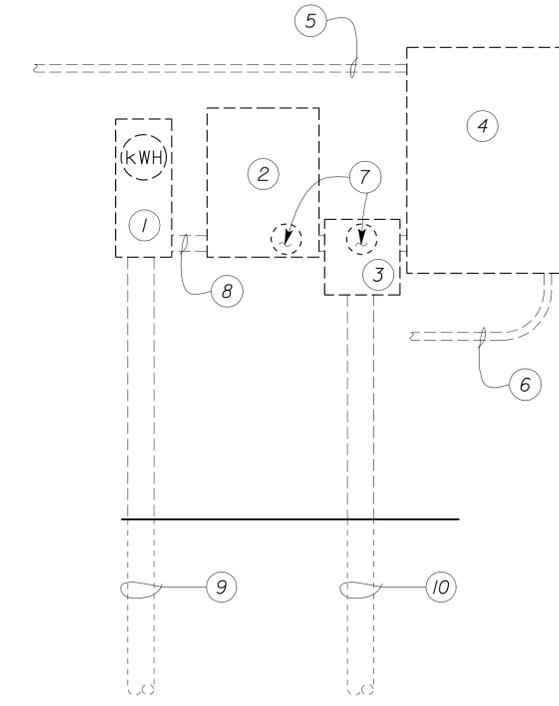
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Reviewed by: 
FRANCIS SOLICH

Date: 02-08-12

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01-55-11-0004
01-56-11-0020



A EXISTING METER/DISTRIBUTION EQUIPMENT
NO SCALE

MAIN: LUGS
VOLTS: 120/240 V, 3 Ø, 4-WIRE

LOADCENTER B (EXISTING)
REMOVE CIRCUIT BREAKERS,
ENCLOSURE TO REMAIN,
INSTALL TERMINAL BLOCKS

FEEDER SIZE: 4*2
LOCATION: EQUIPMENT STORAGE BUILDING

DESCRIPTION	BRK	CKT	A	B	C	CKT	BRK	DESCRIPTION
DOOR OPENERS	15/3	1	•			2	30/1	EXHAUST FANS 2
		3	•			4		SPACE
		5	•			6	30/2	STEAM CLEANER
EXHAUST FANS 1	30/1	7	•			8		
SPACE		9				10		SPACE
ADT RECEPTACLE	20/1	11	•			12	30/1	EXHAUST FANS 3

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DESIGN BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS		SHEET EE1-3
			POST MILE X	COULTERVILLE M.S.	ELECTRICAL SITE PLAN	
DETAILS BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>			7/24/11	1/24/12		

TAEMWW Imperial Rev. 7/10 EA 000000 ee1_03.dgn 27-MAR-2012 07:11

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	89	96

Eric Greve
REGISTERED ELECTRICAL ENGINEER DATE 01-24-12

3-26-12
PLANS APPROVAL DATE

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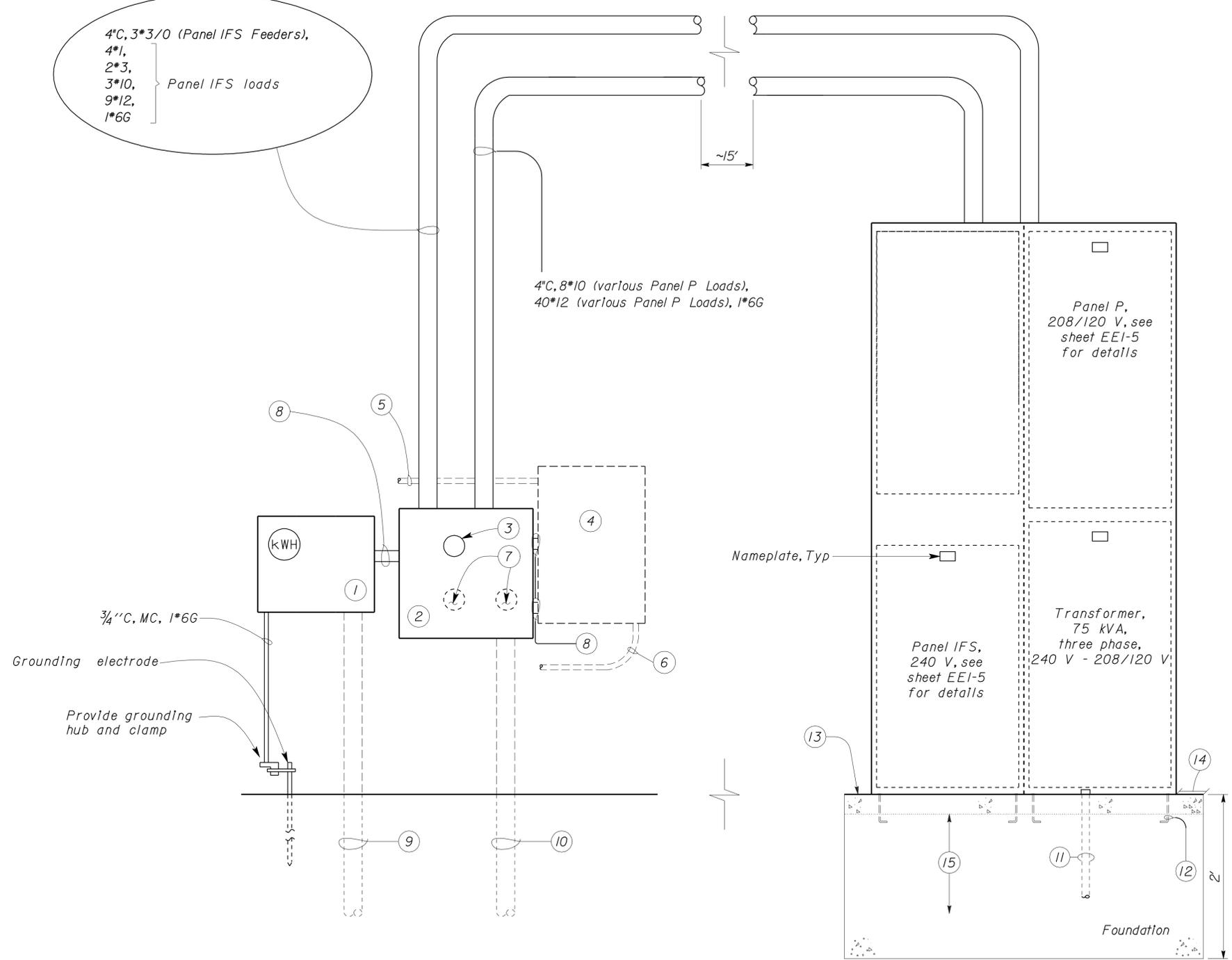


CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



- Notes:**
- 1 Install new combination Meter/Main Disconnect, 200 A, three-phase, 240 volt.
 - 2 Install new weatherproof junction box.
 - 3 Install new 3"C conduit penetration into Interior "Loadcenter A" junction box. Install new conductors as required.
 - 4 Existing automatic transfer switch to remain.
 - 5 Existing power conduit/conductors (automatic transfer switch) to remain.
 - 6 Existing control conduit/conductors (automatic transfer switch) to remain.
 - 7 Re-use existing conduit penetrations to Interior "Panel A" gutter (Interior). Install new conductors as required.
 - 8 3"C, 3*3/0, 1*6G.
 - 9 2"C, 4*3/0 (service conductors). Connect existing conduit/conductors to new Meter/Main Disconnect.
 - 10 2"C, 4*1, 1*6G (Panel C feeders) to remain.
 - 11 1/2"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 2*12 (vacuum), 2*12 (washrack lighting), 1*10G.
 - 12 Anchor Bolt (typical).
 - 13 Install Concrete pad in front of Main Switchboard. Dimension shall be 24" x 4" x length of foundation.
 - 14 6" (sides and back).
 - 15 *4 Reinforcement bars @ 18", top and bottom.

B INTEGRATED FACILITY SWITCHBOARD
NO SCALE

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DESIGN BY Eric Greve CHECKED Tech Ngov	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS		SHEET	
			X	COULTERVILLE M.S.	EE1-4		
			POST MILE X	ELECTRICAL DETAILS			
DETAILS BY Eric Greve CHECKED Tech Ngov	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES				SHEET
QUANTITIES BY Eric Greve CHECKED Tech Ngov			0 1 2 3	6/28/11 7/14/11 8/28/11 1/24/12	OF		
TAEMWW Imperial Rev. 7/10		EA 000000	ee1_04.dgn				27-MAR-2012 08:10

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	90	96

Eric Greve
REGISTERED ELECTRICAL ENGINEER
DATE 01-24-12

3-26-12
PLANS APPROVAL DATE

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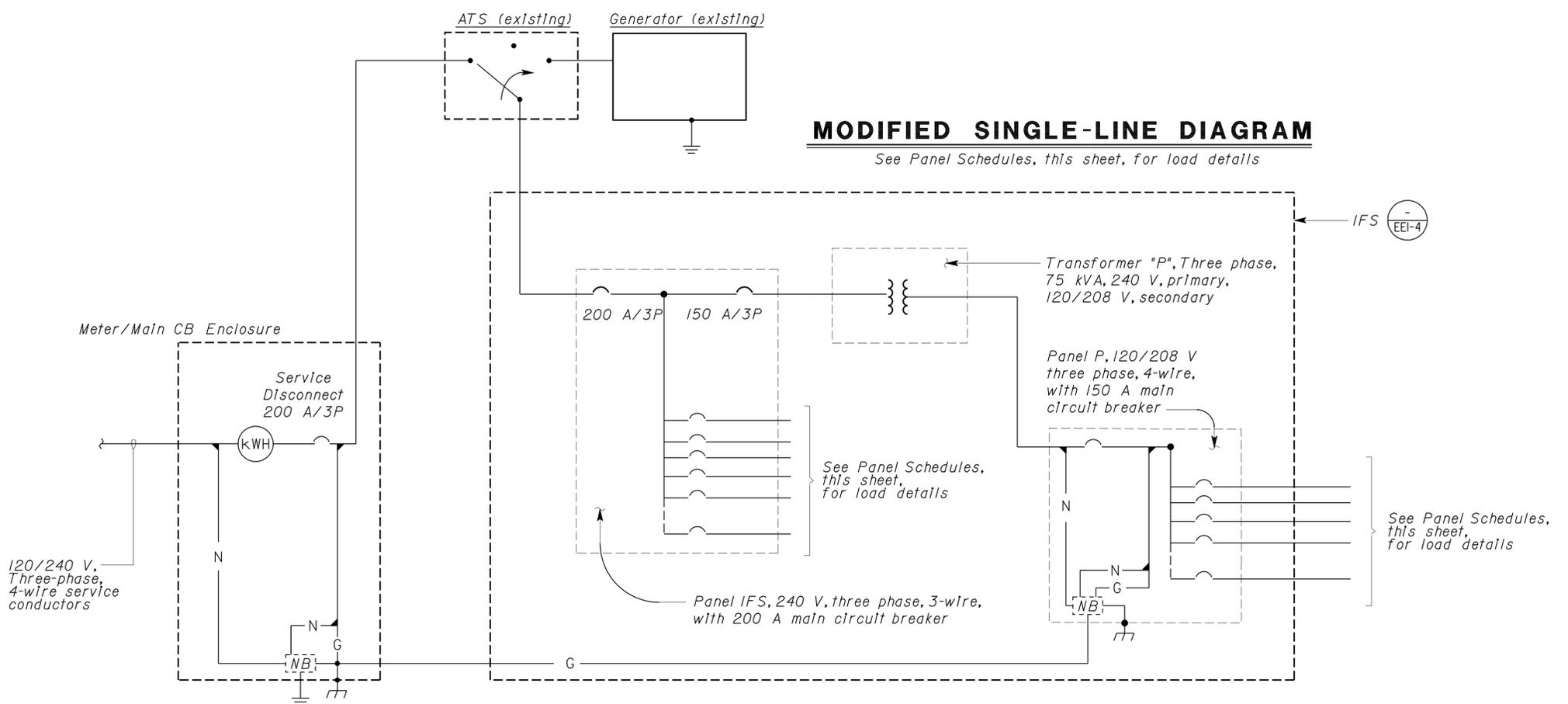


CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



MAIN: 200 AMPERE, 3 POLE CB
VOLTS: 120/240, 3 PHASE, 3 WIRE

FEEDER SIZE: 3*3/0, 1*6G
LOCATION: IFS

DESCRIPTION	BRK	CKT	PANEL IFS			CKT	BRK	DESCRIPTION
			A	B	C			
TRANSFORMER FEEDER	150/3	1	•			2	20/3	AIR COMPRESSOR
		3		•		4		
		5			•	6		
DOOR OPENERS	15/3	7	•			8	15/3	EXHAUST FANS STATIONS #1 & #2
		9		•		10		
		11			•	12		
PANEL "C" (AT GAS HOUSE)	70/3	13	•			14	30/3	HYDRAULIC HOIST MOTOR
		15		•		16		
		17			•	18		
WELDER	100/2	19	•			20		SPACE
		21		•		22		
SPACE	-	23			•	24	-	SPACE
SPACE	-	25		•		26	-	SPACE
SPACE	-	27			•	28	-	SPACE
SPACE	-	29			•	30	-	SPACE

MAIN: 150 AMPERE, 3 POLE CB
VOLTS: 120/208, 3 PHASE, 4 WIRE

FEEDER SIZE: 4*1/0, 1*6G
LOCATION: IFS

DESCRIPTION	BRK	CKT	PANEL P			CKT	BRK	DESCRIPTION
			A	B	C			
RECEPTACLES, WALL	20/1	1	•			2	20/1	SHOWER, SECOND BATHROOM
CEILING LIGHTS (FRONT)	20/1	3		•		4	20/1	OFFICE RECEPTACLES #1
CEILING LIGHTS (REAR & SPEC)	20/1	5			•	6	20/1	OFFICE RECEPTACLES #2
BENCH LIGHTS	20/1	7	•			8	20/1	FRONT HEATER
REAR HEATER	20/1	9		•		10	20/1	MEZZANINE LIGHTS
FLOODLIGHTS (MAIN BUILDING)	20/1	11			•	12	20/1	MISC LOADS
GENERATOR	20/1	13	•			14	20/1*	RECEPTACLES, RIGHT BENCH
EXHAUST FANS 1	30/1	15		•		16	20/1	RECEPTACLES, NORTH WALL & DOOR
ADT RECEPTACLE	20/1	17			•	18	30/1	EXHAUST FANS 2
EXHAUST FANS 3	30/1	19	•			20	20/1	WASHRACK LIGHTING
SLUDGE SENSORS	20/1	21		•		22	30/1*	PRESSURE WASHER
WASHRACK RECEPTACLES	20/1*	23			•	24	20/1	VACUUM
SPACE	-	25		•		26	-	SPACE
SPACE	-	27			•	28	-	SPACE
SPACE	-	29			•	30	-	SPACE

* GFCI Type circuit breaker

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DESIGN BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	DISTRICT 10 WASHRACKS	SHEET EE1-5
			X		
			POST MILE		
QUANTITIES BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>			X	COULTERVILLE M.S.	ELECTRICAL DETAILS
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

EA 000000

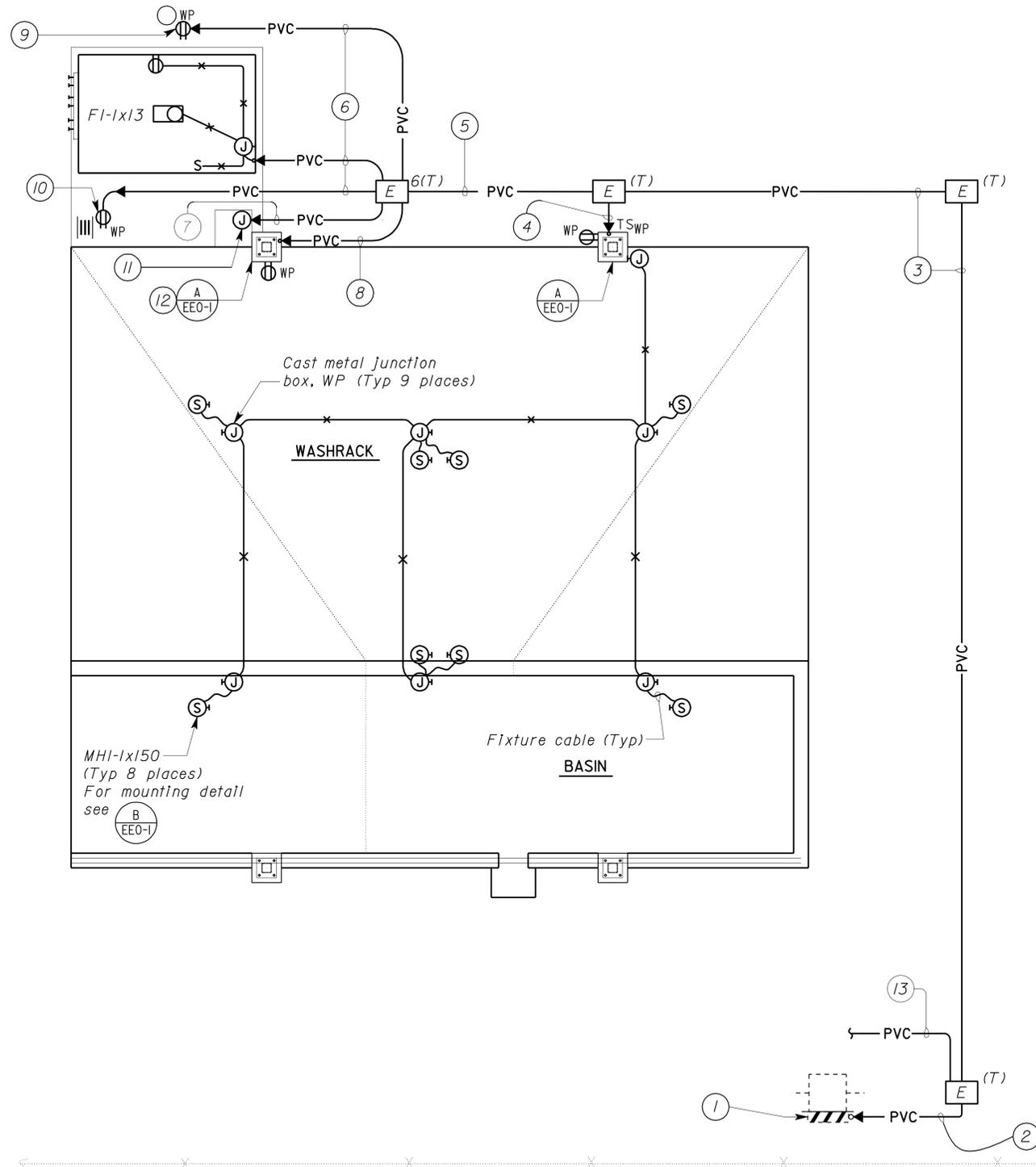
27-MAR-2012 07:01 ee1_05.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tuo	49,120	Var	91	96

Eric Greve
REGISTERED ELECTRICAL ENGINEER
DATE 01-24-12
PLANS APPROVAL DATE 3-26-12

REGISTERED PROFESSIONAL ENGINEER
ERIC GREVE
No. E-14791
Exp. 6-30-13
ELEC
STATE OF CALIFORNIA

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- General Notes:**
- A. For exact location of lighting fixtures, see Architectural sheets.
 - B. All wall and roof penetrations shall be sealed watertight.

- Notes:**
- 1 Existing Meter/Distribution Panel, 120/240 V, single-phase, 3 wire, with 200 A main CB. Add new circuit breakers as shown under "Panel Modifications", this sheet.
 - 2 1/2" C, 2*10 (pressure washer), 2*12 (washrack lighting), 2*12 (vacuum), 2*12 (sludge sensors), 2*12 (washrack receptacles), 1*12G.
 - 3 1/2" C, 2*10 (pressure washer), 2*12 (washrack lighting), 2*12 (vacuum), 2*12 (washrack receptacles), 1*12G.
 - 4 1" C, 2*12 (washrack lighting), 2*12 (washrack receptacles), 1*12G.
 - 5 1/2" C, 2*10 (pressure washer), 2*12 (vacuum), 2*12 (washrack receptacles), 1*12G.
 - 6 1" C, 2*12 (washrack receptacles), 1*12G.
 - 7 1" C, 2*12 (vacuum), 1*12G.
 - 8 1" C, 2*10 (pressure washer), 1*12G.
 - 9 Tank Truck Filler Receptacle, see "SS" sheets for details.
 - 10 Hose Reel Receptacle, see "SS" sheets for details.
 - 11 Vacuum electrical connection, see "SS" sheets for details.
 - 12 Omit Timer Switch.
 - 13 1/2" C, 2*12 (sludge sensors), 1*12G, see "SS" sheets for details.

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Reviewed by: FRANCIS SOLICH
DATE: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020

PANEL MODIFICATIONS

DESCRIPTION	BRK	Ø
WASHRACK LIGHTING	20/1	A
PRESSURE WASHER	30/1*	C
VACUUM	20/1	A
SLUDGE SENSORS	20/1	C
WASHRACK RECEPTACLES	20/1*	A

* GFCI Type circuit breaker

WASHRACK AND BASIN



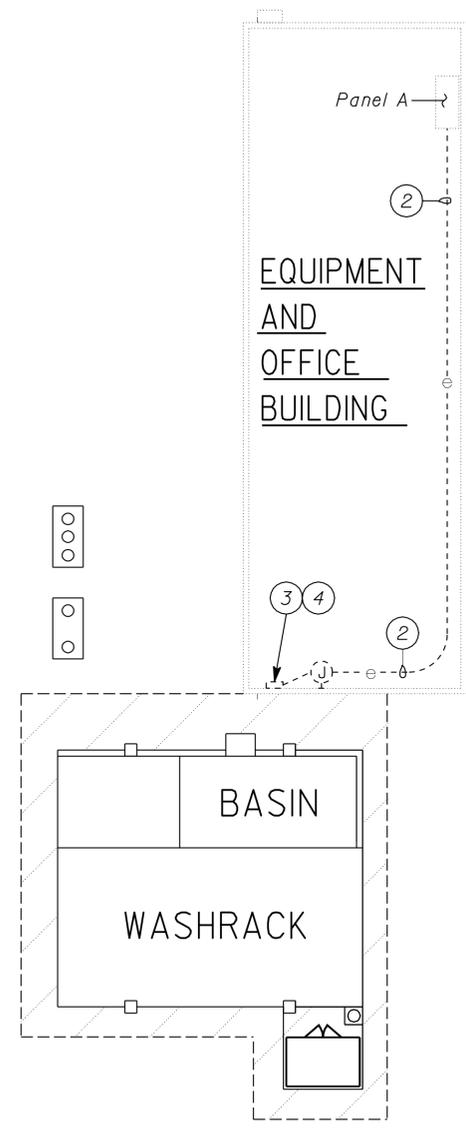
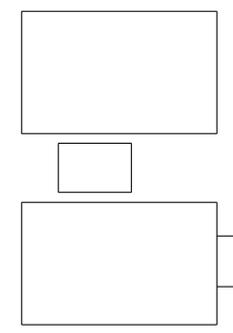
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY Eric Greve CHECKED Tech Ngov	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS		SHEET EE2-1
			POST MILE X	IONE M. S.	ELECTRICAL PLAN & DETAILS	
			REVISION DATES (PRELIMINARY STAGE ONLY)			
DETAILS BY Eric Greve CHECKED Tech Ngov	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	6/28/11	8/28/11	1/24/12	SHEET OF
QUANTITIES BY Eric Greve CHECKED Tech Ngov	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 000000				ee2_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpd, TuO	49, 120	Var	92	96
 REGISTERED ELECTRICAL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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 Reviewed by: 
FRANCIS SOLICH
 Date: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



General Notes:

- A. Location of existing equipment as shown is approximate only. Verify exact location in field.
- B. Not all existing electrical system is shown.
- C. All conduits and JB to remain unless otherwise noted.

Notes:

- ① Remove existing rain sensor control panel and Oil/water separator control panel. Existing load center and gutter to remain. Remove existing circuit breakers and load-side conductors from load center.
- ② (E) 1" C, 3*8 (A16-18), add 1*10G. Terminate new 1*10G in existing Panel A and existing Load Center.
- ③ Install new circuit breakers in existing load center as shown under "Load Center Modifications", this sheet.
- ④ Run new conductors outside of building via existing conduits and gutter.

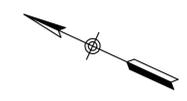
LOAD CENTER MODIFICATIONS

DESCRIPTION	BRK	Ø
WASHRACK LIGHTING	20/1	A
PRESSURE WASHER	30/1*	C
VACUUM	20/1*	A
SLUDGE SENSORS	20/1	C
SUMP PUMP	30/1	A
WASHRACK RECEPTACLES	20/1*	C

* GFCI Type circuit breaker

EXISTING SITE PLAN

SCALE 1" = 15' - 0"



MODIFIED SITE PLAN

SCALE 1" = 15' - 0"



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DESIGN BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i> DETAILS BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i> QUANTITIES BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS GROVELAND MS	SHEET EE3-1
			POST MILE X		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 6/28/11 7/14/11 8/28/11 1/24/12		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amg, Mpa, Tu0	49,120	Var	93	96

Eric Greve
 REGISTERED ELECTRICAL ENGINEER
 DATE 01-24-12

3-26-12
 PLANS APPROVAL DATE

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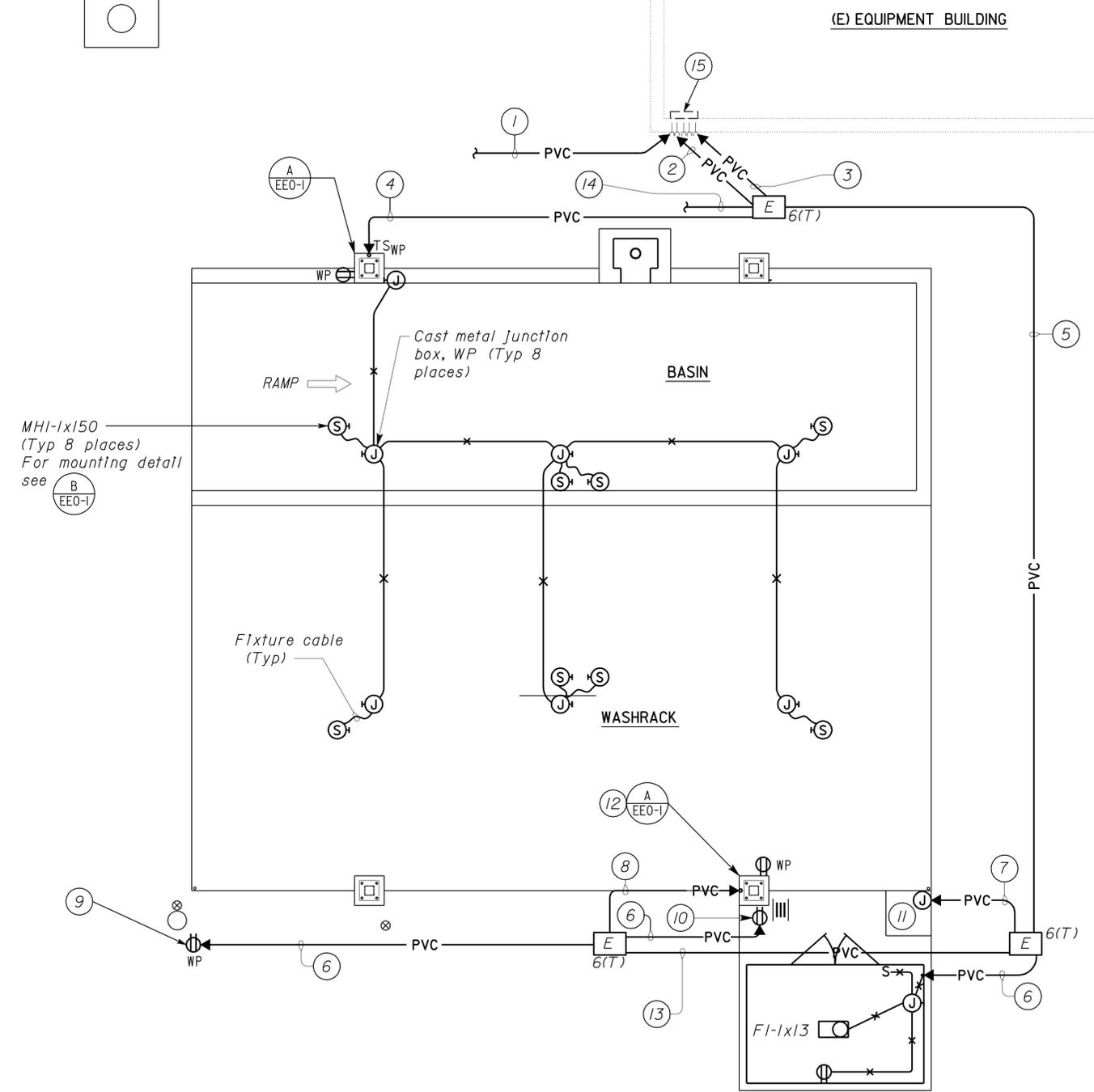
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Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 DATE: 02-08-12

CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

1000 gallon sand oil separator, see (2) SS5-1

For continuation, see (SS3-3)



General Notes:

- A. For exact location of lighting fixtures, see Architectural sheets.
- B. All wall and roof penetrations shall be sealed watertight.

Notes:

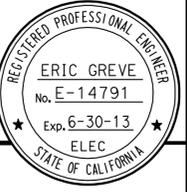
- (1) 1/2"C, 2*10 (sump pump), 1*10G. Reuse existing explosion proof conduit coupler.
- (2) 1/2"C, 2*12 (washrack lighting), 2*12 (vacuum), 1*12G.
- (3) 1"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 1*10G.
- (4) 1"C, 2*12 (washrack lighting), 2*12 (washrack receptacles), 1*12G.
- (5) 1/2"C, 2*10 (pressure washer), 2*12 (vacuum), 2*12 (washrack receptacles), 1*12G.
- (6) 1"C, 2*12 (washrack receptacles), 1*12G.
- (7) 1"C, 2*12 (vacuum), 1*12G.
- (8) 1"C, 2*10 (pressure washer), 1*12G.
- (9) Tank Truck Filler Receptacle, see "SS" sheets for details.
- (10) Hose Reel Receptacle (WP), see "SS" sheets for details.
- (11) Vacuum electrical connection, see "SS" sheets for details.
- (12) Omit Timer Switch.
- (13) 1"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 1*10G.
- (14) 1/2"C, 2*12 (sludge sensors), 1*12G, see "SS" sheets for details.
- (15) Existing gutter with conduit penetrations to exterior. Re-use conduits and exterior conduit bodies as shown. Provide weatherproof sealant for unused exterior conduits.

WASHRACK AND BASIN
 SCALE 1" = 5' - 0"

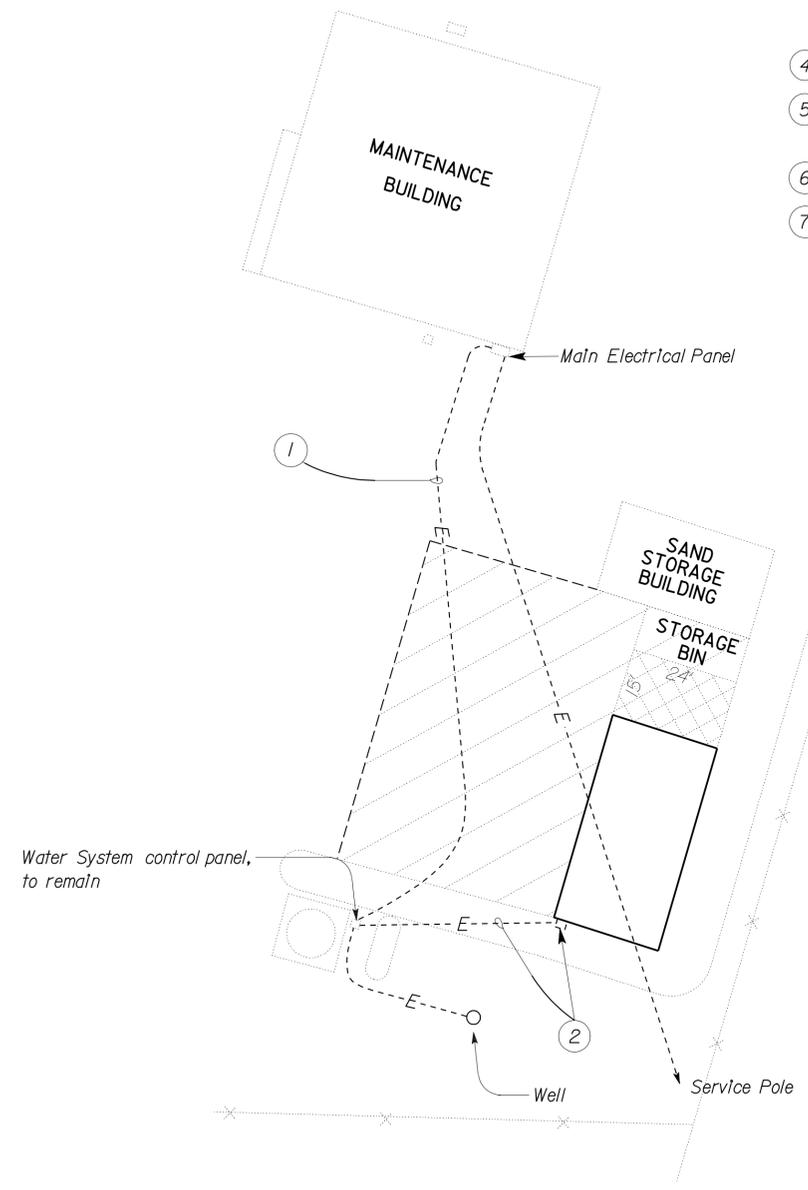


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DESIGN BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS		SHEET EE3-2
			POST MILE X	GROVELAND MS	ELECTRICAL PLAN & DETAILS	
DETAILS BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
QUANTITIES BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>			6/20/11 8/28/11 1/24/12		SHEET	OF

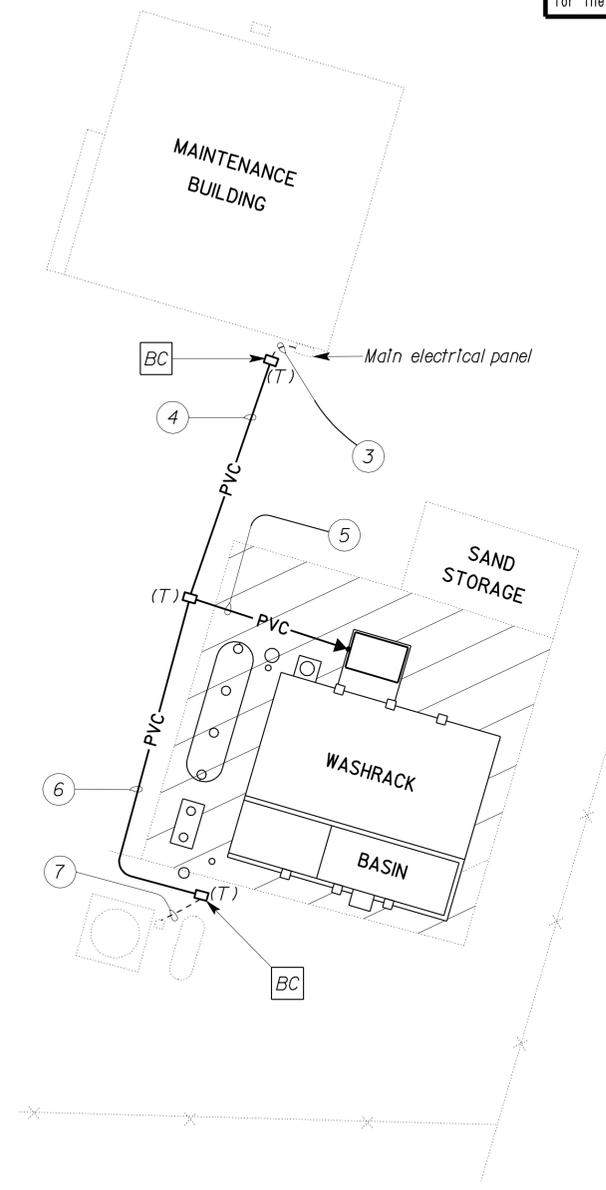
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	Amo, Mpa, Tuo	49,120	Var	94	96
 REGISTERED ELECTRICAL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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- Notes:**
- 1 **AB** 1/2"C, 4*2 (water system pumps/controls).
 - 2 **RC** existing load center. **AB** feeder conduit.
 - 3 Install new 4*2 (water system pumps/controls & washrack), 1*6G. In main electrical panel, terminate 3*2 on existing 100 A/3P circuit breaker, 1*2 on neutral bus and 1*6 on ground bus.
 - 4 3"C, 4*2 (water system pumps/controls & washrack), 1*6G.
 - 5 3"C, 4*2 (water system pumps/controls & washrack), 1*6G. 3"C, 4*2 (water system pumps/controls), 1*6G.
 - 6 3"C, 4*2 (water system pumps/controls), 1*6G.
 - 7 Install new 4*2 (water system pumps/controls), 1*6G. Terminate new energized conductors on existing 80 A/3P circuit breaker in water system control panel.



EXISTING SITE PLAN

SCALE 1"=20'-0"



MODIFIED SITE PLAN

SCALE 1" = 20' - 0"

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 
 FRANCIS SOLICH

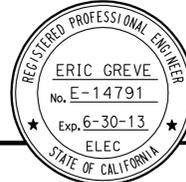
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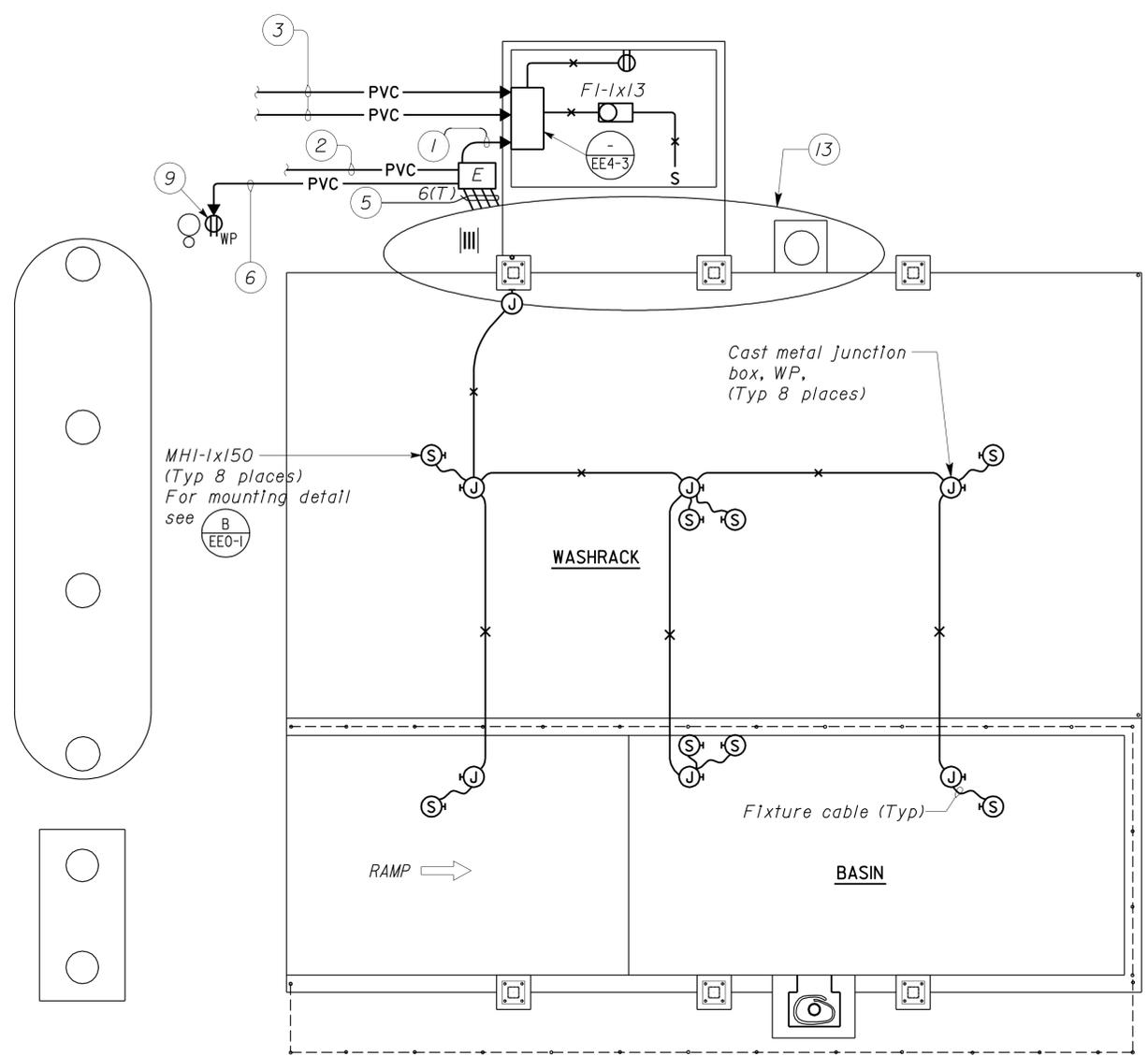
CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020

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DESIGN	BY	Eric Greve	CHECKED	Tech Ngov	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	X	DISTRICT 10 WASHRACKS	SONORA M.S.	ELECTRICAL SITE PLAN	SHEET EE4-1	
	DETAILS	BY	Eric Greve	CHECKED			Tech Ngov	POST MILE					X
QUANTITIES	BY	Eric Greve	CHECKED	Tech Ngov	UNIT PROJECT NUMBER & PHASE	3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	6/28/11	7/14/11	8/28/11	1/24/12	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3					EA 000000

27-MAR-2012 07:33
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
10	AmG, Mpa, Tuo	49,120	Var	95	96
<i>Eric Greve</i> REGISTERED ELECTRICAL ENGINEER			01-24-12 DATE		
3-26-12 PLANS APPROVAL DATE					
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WASHRACK AND BASIN
SCALE 1" = 5' - 0"

General Notes:

- A. For exact location of lighting fixtures, see Architectural sheets.
- B. All wall and roof penetrations shall be sealed watertight.

Notes:

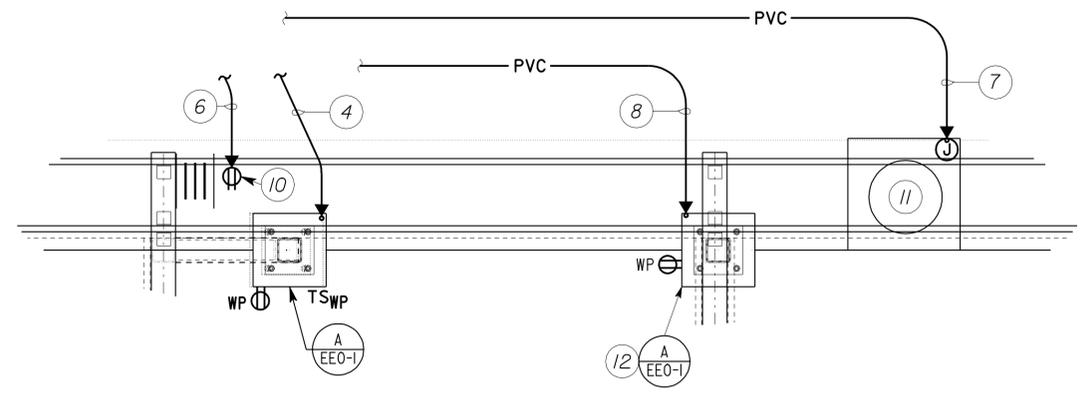
- 1 1/2"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 2*12 (vacuum), 2*12 (washrack lighting), 1*10G.
- 2 1/2"C, 2*12 (sludge sensors), 1*12G, see "SS" sheets for details.
- 3 3"C, 4*2 (water system pumps/controls & washrack), 1*6G. 3"C, 4*2 (water system pumps/controls), 1*6G.
- 4 1"C (PVC), 2*12 (washrack lighting), 2*12 (washrack receptacles), 1*12G.
- 5 1"C, 2*12 (washrack receptacles), 1*12G. 1"C, 2*12 (washrack lighting), 2*12 (washrack receptacles), 1*12G. 1"C, 2*10 (pressure washer), 1*12G. 1"C, 2*12 (vacuum), 1*12G.
- 6 1"C (PVC), 2*12 (washrack receptacles), 1*12G.
- 7 1"C, 2*12 (vacuum), 1*12G.
- 8 1"C, 2*10 (pressure washer), 1*12G.
- 9 Tank Truck Filler Receptacle, see "SS" sheets for details.
- 10 Hose Reel Receptacle (WP), see "SS" sheets for details.
- 11 Vacuum electrical connection, see "SS" sheets for details.
- 12 Omit Timer Switch.
- 13 See Enlarged Plan (Detail), this sheet.

CALIFORNIA STATE FIRE MARSHAL
APPROVED

Approval of this plan does not authorize or approve any addition or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *Francis Solich*
FRANCIS SOLICH
Date: 02-08-12

CSFM FILE NOS.
01-03-11-0001
01-22-11-0001
01-55-11-0004
01-56-11-0020



ENLARGED PLAN (DETAIL)
NO SCALE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

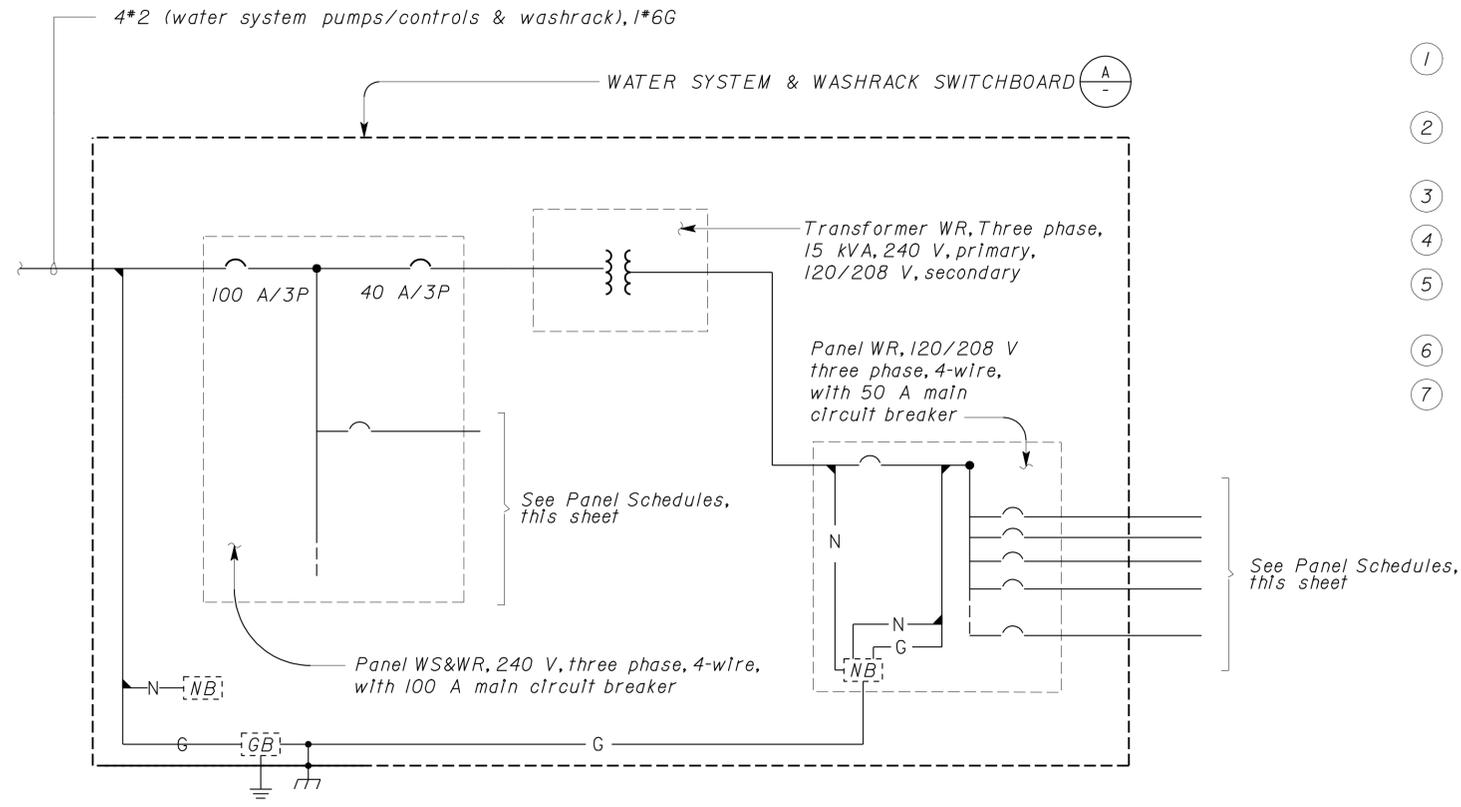
DESIGN	BY	<i>Eric Greve</i>	CHECKED	<i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	X	DISTRICT 10 WASHRACKS	SONORA M.S.	ELECTRICAL PLAN & DETAILS	SHEET	EE4-2
	DETAILS	BY	<i>Eric Greve</i>	CHECKED			<i>Tech Ngov</i>	POST MILE				X	OF
QUANTITIES	BY	<i>Eric Greve</i>	CHECKED	<i>Tech Ngov</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3618 100000206691	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	6/28/11	8/28/11	1/24/12	

27-MAR-2012 08:15

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CSFM FILE NOS.
 01-03-11-0001
 01-22-11-0001
 01-55-11-0004
 01-56-11-0020



SINGLE-LINE DIAGRAM

MAIN: 100 AMPERE, 3 POLE CB
 VOLTS: 120/240, 3 PHASE, 4 WIRE
 FEEDER SIZE: 4*2, 1*6G
 LOCATION: WATER SYSTEM & WASHRACK SWITCHBOARD

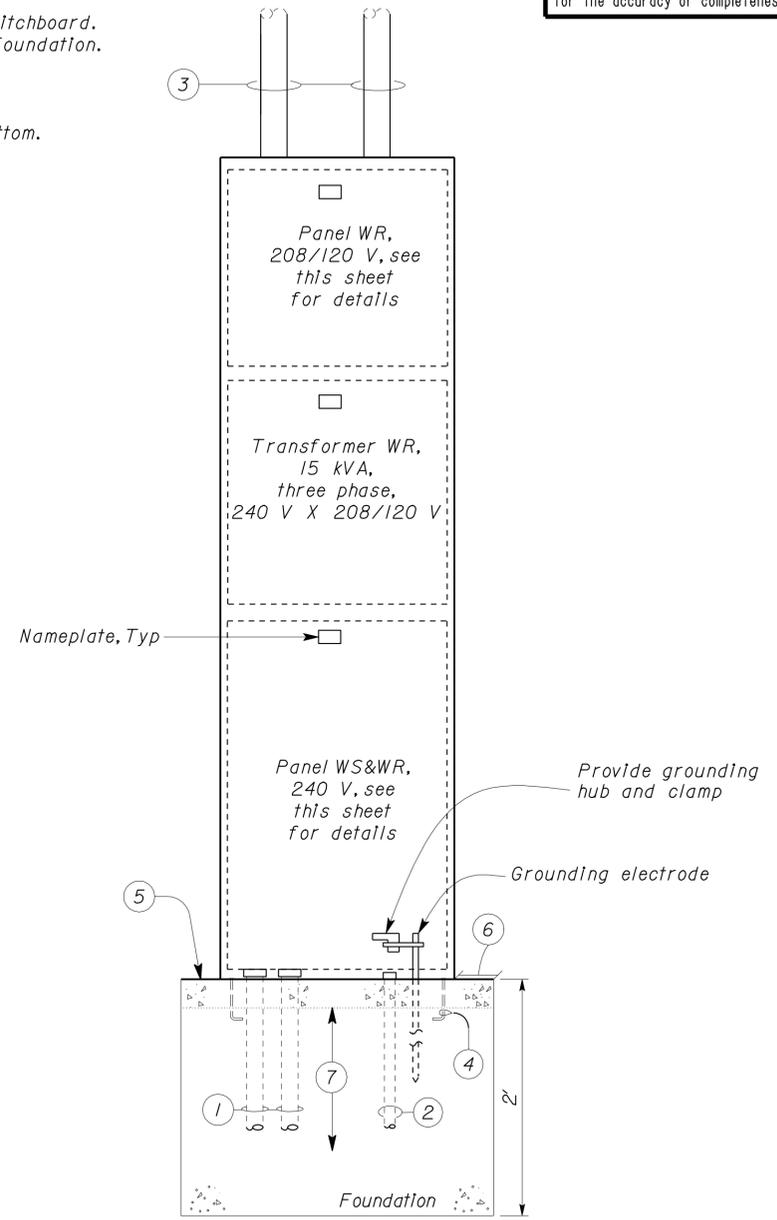
DESCRIPTION	BRK	CKT	PANEL WS & WR			CKT	BRK	DESCRIPTION
			A	B	C			
TRANSFORMER FEEDER	40/3	1	•			2	80/3	WATER SYSTEM FEEDERS
		3		•		4		
		5			•	6		
SPACE	-	7				8	-	SPACE
		9				10		
		11				12		

MAIN: 50 AMPERE, 3 POLE CB
 VOLTS: 120/208, 3 PHASE, 4 WIRE
 FEEDER SIZE: 4*6, 1*6G
 LOCATION: WATER SYSTEM & WASHRACK SWITCHBOARD

DESCRIPTION	BRK	CKT	PANEL WR			CKT	BRK	DESCRIPTION
			A	B	C			
WASHRACK LIGHTING	20/1	1	•			2	-	SPACE
PRESSURE WASHER	30/1*	3		•		4	-	SPACE
VACUUM	20/1	5			•	6	-	SPACE
SLUDGE SENSORS	20/1	7	•			8	-	SPACE
SPACE	-	9				10	-	SPACE
WASHRACK RECEPTACLES	20/1*	11			•	12	-	SPACE

* GFCI Type circuit breaker

- Notes:
- 3"C, 4*2 (water system pumps/controls & washrack), 1*6G.
3"C, 4*2 (water system pumps/controls), 1*6G.
 - 1/2"C, 2*10 (pressure washer), 2*12 (washrack receptacles), 2*12 (sludge sensors), 2*12 (vacuum), 2*12 (washrack lighting), 1*10G.
 - Conduit and conductors as required.
 - Anchor Bolt (typical).
 - Install Concrete pad in front of Main Switchboard. Dimension shall be 24" x 4" x length of foundation.
 - 6" (sides and back).
 - *4 Reinforcement bars @ 18", top and bottom.



A WATER SYSTEM & WASHRACK SWITCHBOARD
 NO SCALE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i> DETAILS BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i> QUANTITIES BY <i>Eric Greve</i> CHECKED <i>Tech Ngov</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. X	DISTRICT 10 WASHRACKS SONORA M.S.	SHEET EE4-3	
			POST MILE X			ELECTRICAL DETAILS
			UNIT PROJECT NUMBER & PHASE 3618 100000206691			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	TAEWW Imperial Rev. 7/10 EA 00000 ee4_03.dgn	