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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 BUILDING CONSTRUCTION
IN RIVERSIDE COUNTY
IN BANNING
ADJACENT TO ROUTE 10
AT BANNING MAINTENANCE STATION
AT 2033 RAMSEY STREET

TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

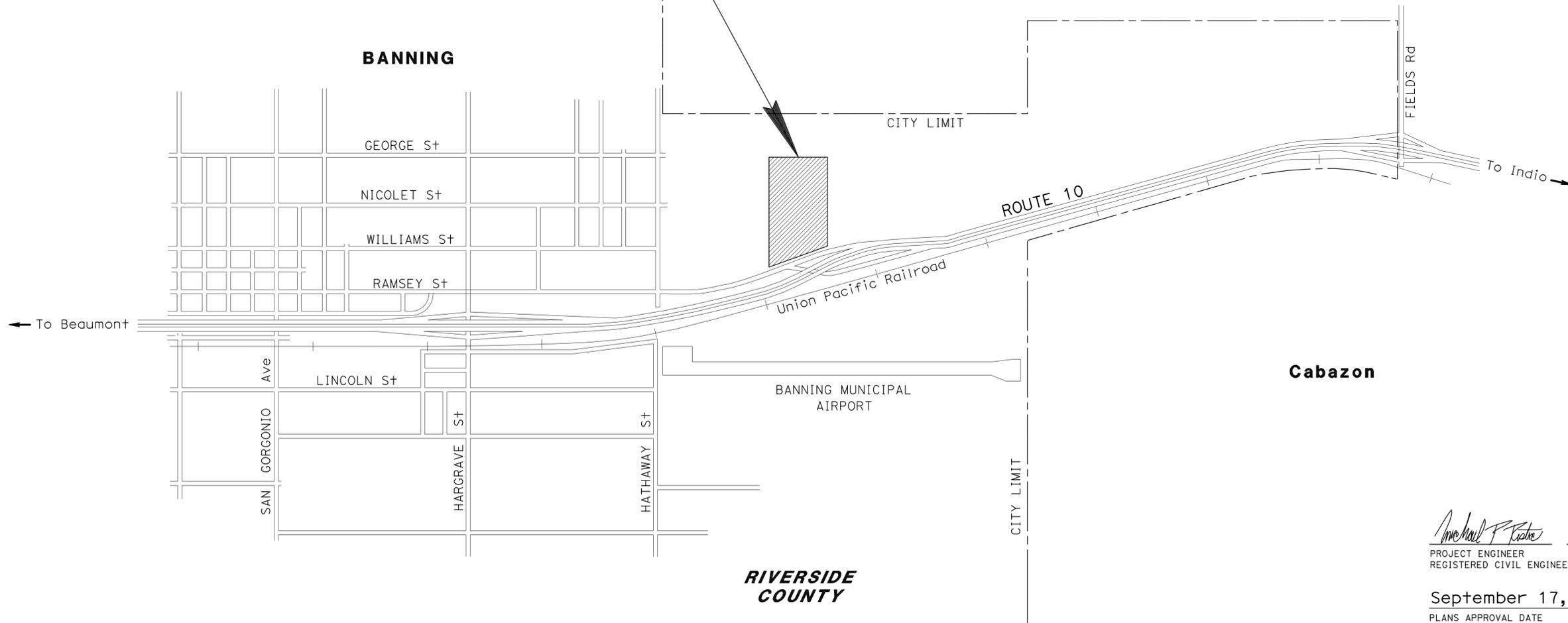
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		1	77





LOCATION MAP

LOCATION OF CONSTRUCTION
2033 RAMSEY St BANNING, CA 92220
LOCATION CODE 5728



PROJECT MANAGER
MUSTAPHA IAALI
 DESIGN ENGINEER
MICHAEL RISTIC


 PROJECT ENGINEER DATE 8-15-12
 REGISTERED CIVIL ENGINEER
September 17, 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.



THE CONTRACTOR SHALL POSSESS THE CLASS (OR CLASSES) OF LICENSE AS SPECIFIED IN THE "NOTICE TO BIDDERS."

NO SCALE

CONTRACT No.	08-499804
PROJECT ID	0800020324

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN

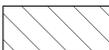
FUNCTIONAL SUPERVISOR
 MICHAEL RISTIC

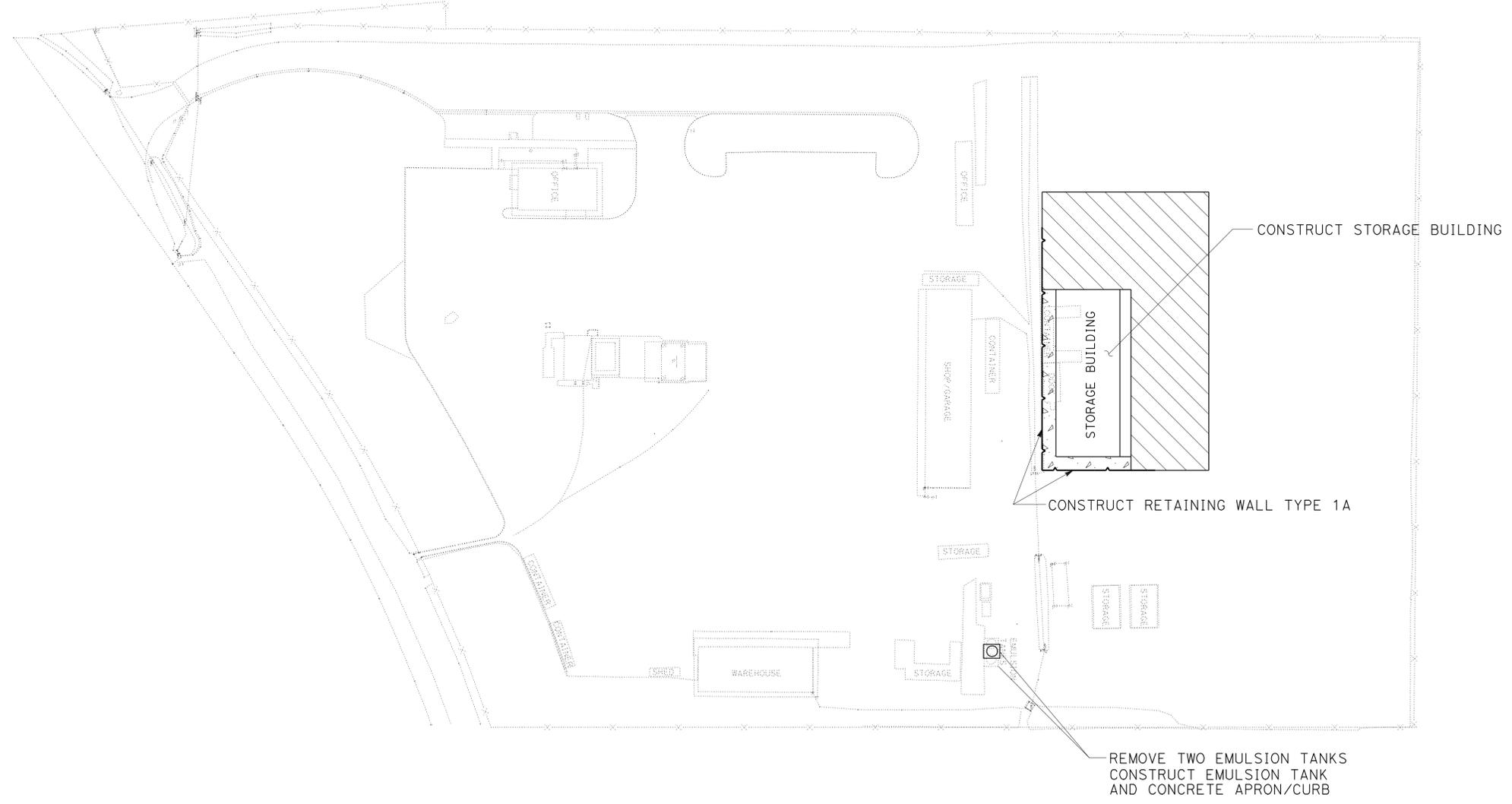
CALCULATED/DESIGNED BY
 CHECKED BY

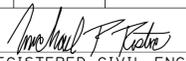
RHEA VILLARAMA
 MICHAEL RISTIC

REVISED BY
 DATE

REVISED BY
 DATE

LEGEND:
 HMA PAVING
 CONCRETE APRON



Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		2	77
 REGISTERED CIVIL ENGINEER			8-15-12	DATE	
9-17-12			PLANS APPROVAL DATE		
REGISTERED PROFESSIONAL ENGINEER MICHAEL P. RISTIC No. C69439 Exp. 6-30-14 CIVIL STATE OF CALIFORNIA					
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.					

LAYOUT
 SCALE: 1" = 50'
L-1

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		3	77

<i>Michael P. Ristic</i>	8-15-12
REGISTERED CIVIL ENGINEER	DATE
9-17-12	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER
MICHAEL P. RISTIC
No. C69439
Exp. 6-30-14
CIVIL

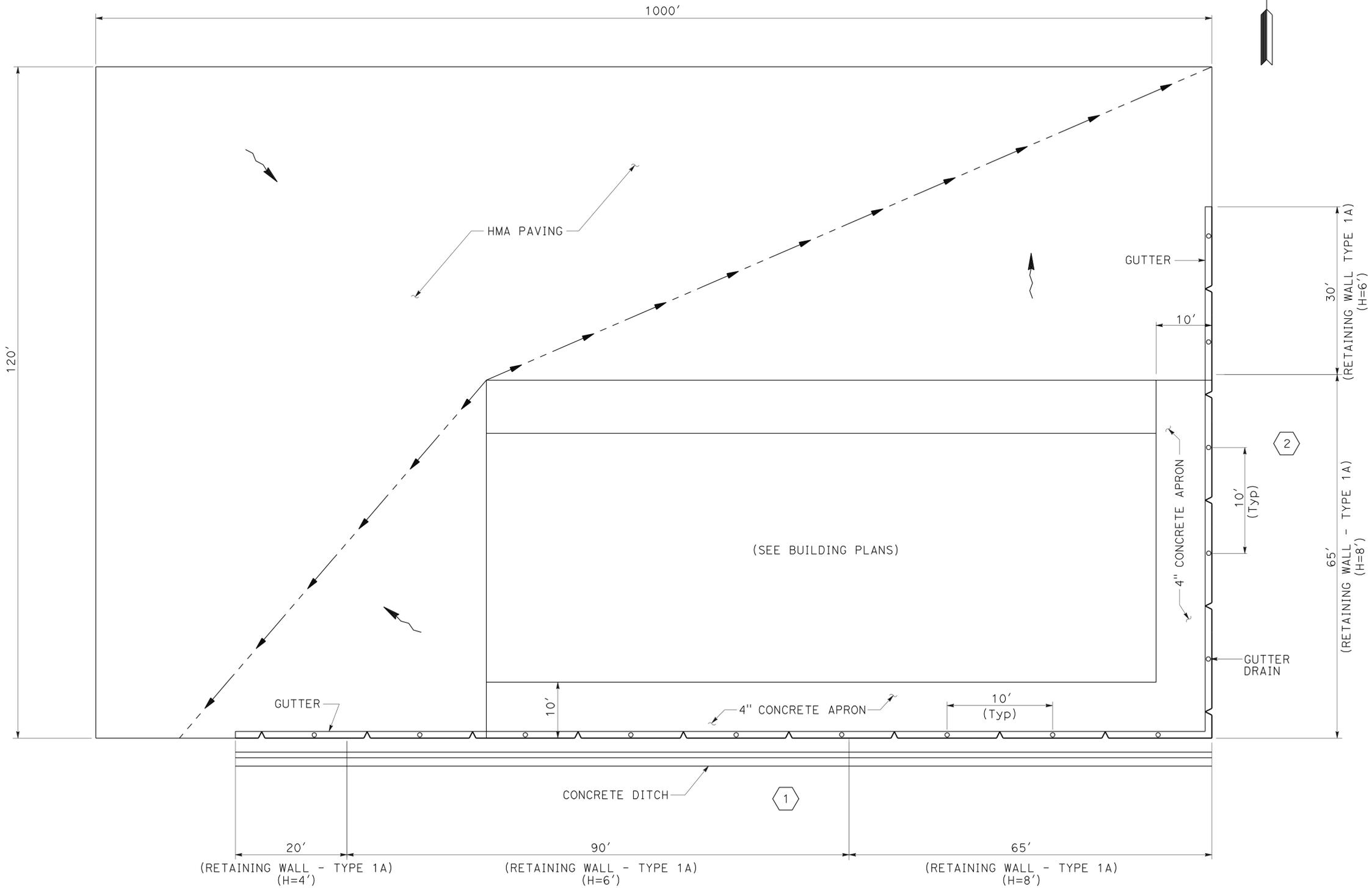
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NOTE:

1. CONSTRUCT HAND RAILING ON RETAINING WALL. SEE CONSTRUCTION DETAIL C-4.

LEGEND:

- FLOW LINE
- > DIRECTION OF FLOW
- (X) RETAINING WALL LOCATION No.



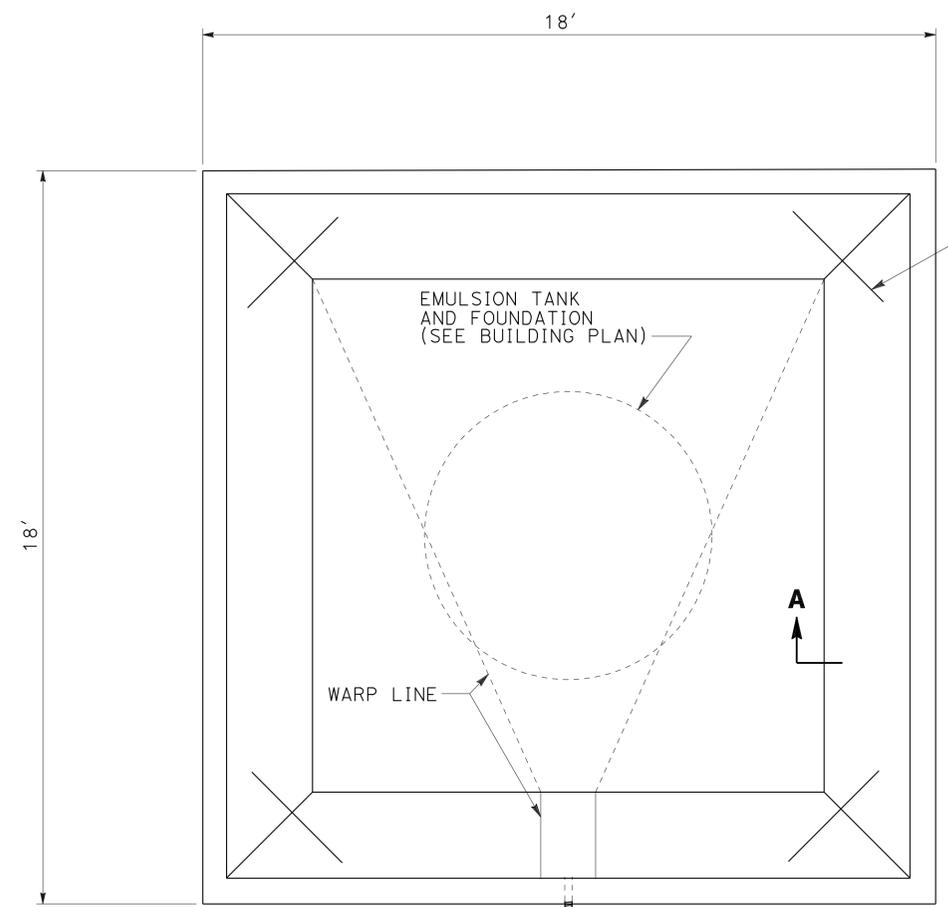
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans MAINTENANCE DESIGN	RHEA VILLARAMA	
FUNCTIONAL SUPERVISOR	CHECKED BY	DATE
MICHAEL RISTIC	MICHAEL RISTIC	
CALCULATED/DESIGNED BY	REVISOR	DATE

CONSTRUCTION DETAILS
NO SCALE
C-1

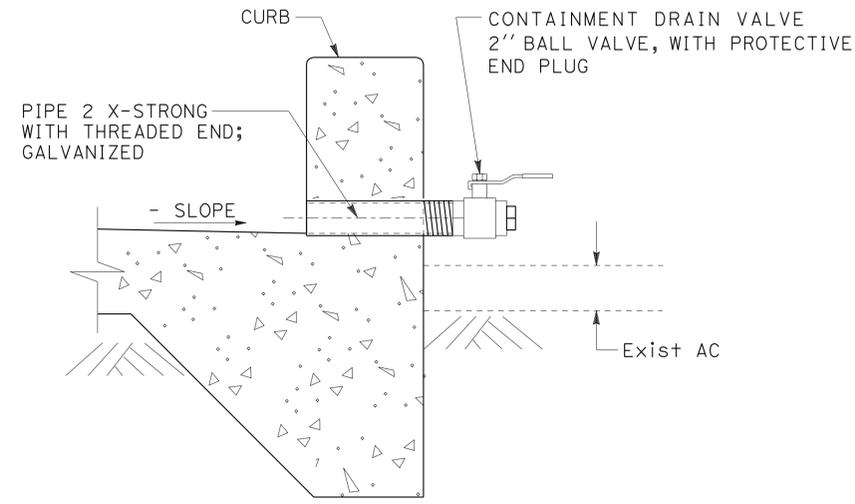
LAST REVISION DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:15

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		4	77
 REGISTERED CIVIL ENGINEER			8-15-12	DATE	
9-17-12 PLANS APPROVAL DATE					
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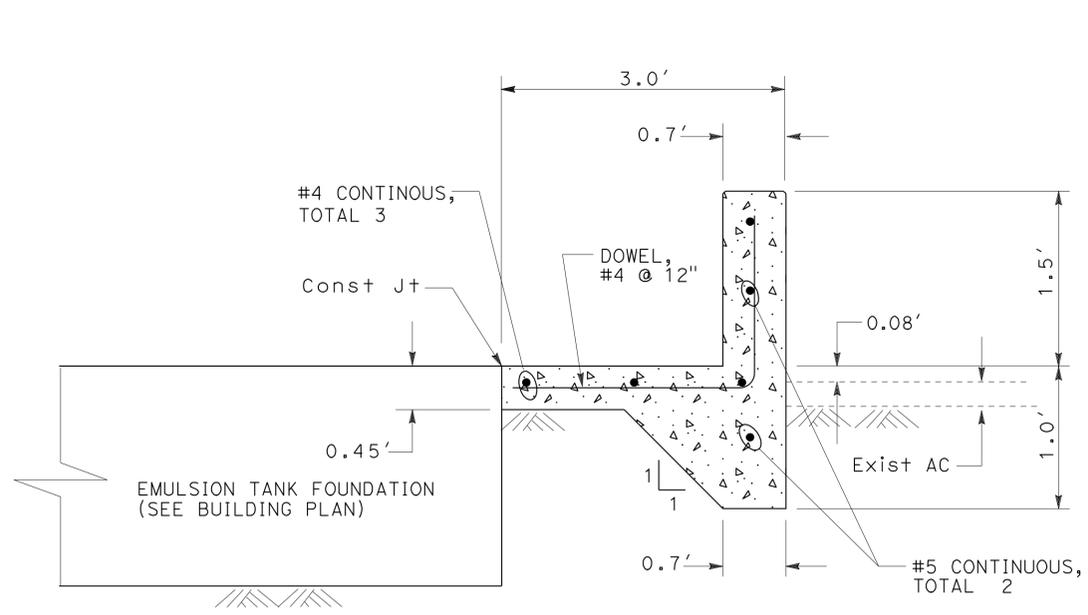
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	FUNCTIONAL SUPERVISOR	CALCULATED/DESIGNED BY	REVISOR	DATE
Caltrans MAINTENANCE DESIGN	MICHAEL RISTIC	MICHAEL RISTIC	RHEA VILLARAMA	



CONTAINMENT APRON/CURB PLAN

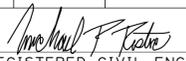


CONTAINMENT DRAIN VALVE DETAIL



SECTION A-A
CONTAINMENT APRON/CURB SECTION

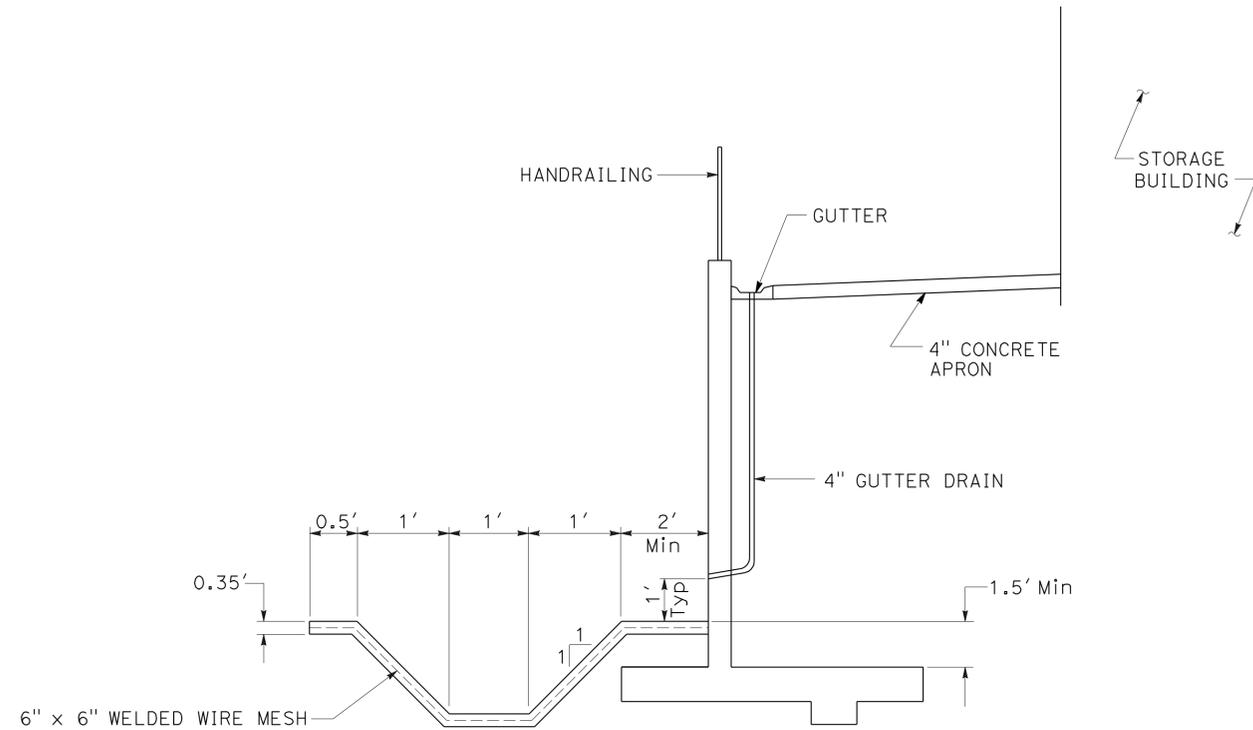
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		5	77
 REGISTERED CIVIL ENGINEER			8-15-12	DATE	
9-17-12 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

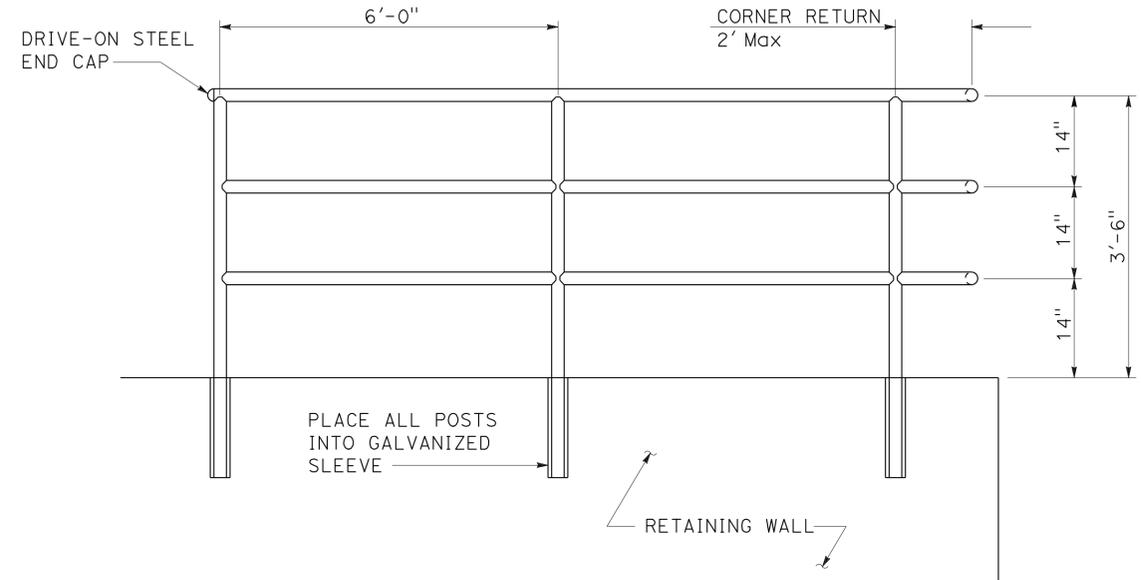


NOTES:

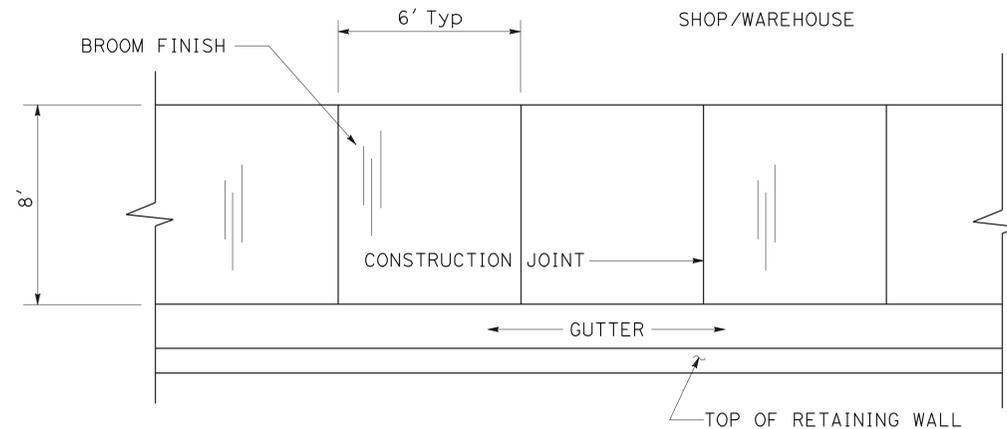
- RAILS, POSTS, AND PICKETS SHALL BE 2" DIAMETER GALVANIZED STEEL PIPE.
- WELDS SHALL BE SLOT OR FILLET WELDS EQUAL TO THICKNESS OF PIPE. WELD ALL JOINTS ALL AROUND.



RETAINING WALL AND CONCRETE DITCH (1)
TYPICAL SECTION



HAND RAILING
PLACE ON TYPE 1A RETAINING WALL



PLAN VIEW
4" CONCRETE APRON

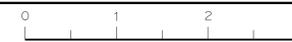


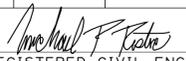
HMA STRUCTURAL SECTION

CONSTRUCTION DETAILS

NO SCALE

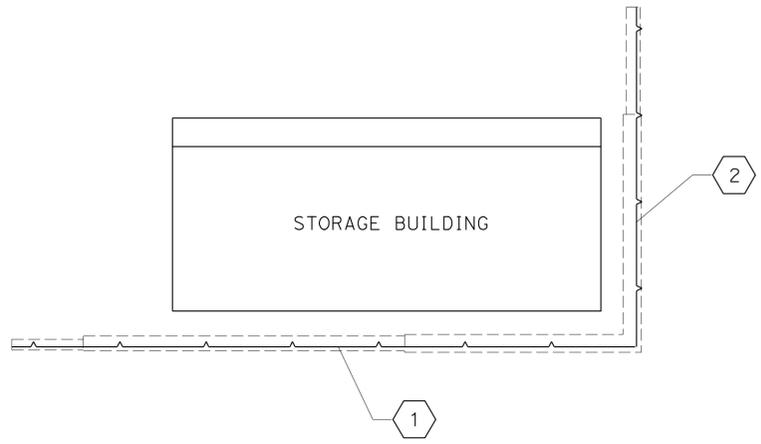
C-3



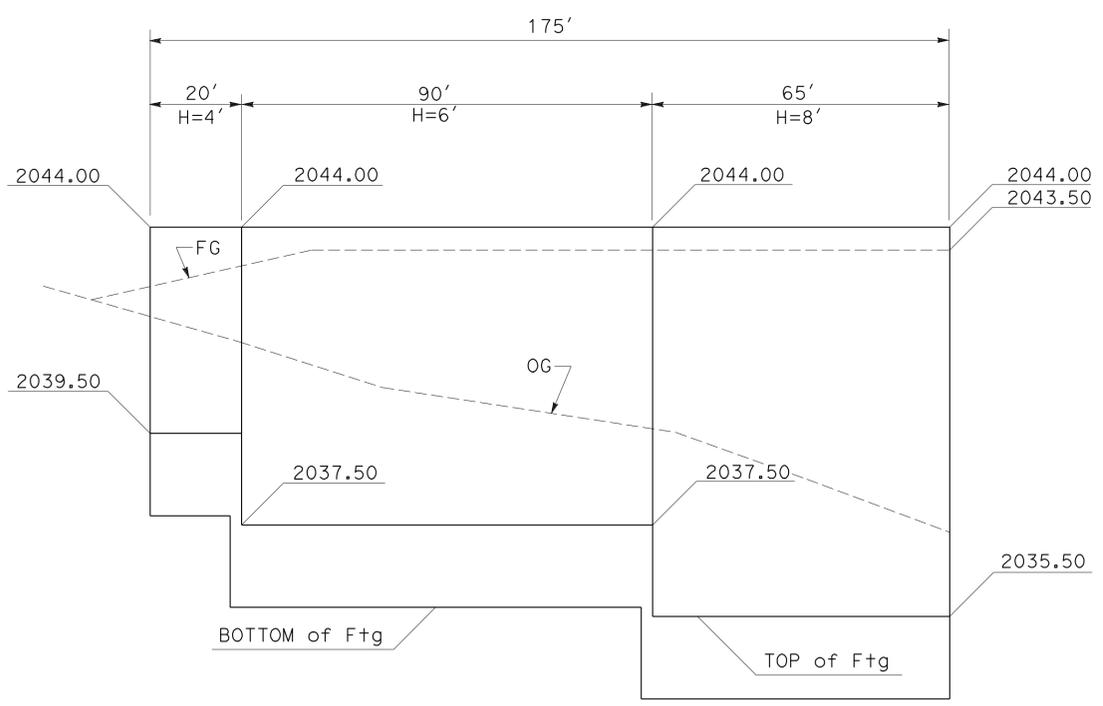
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		6	77
 REGISTERED CIVIL ENGINEER DATE 8-15-12					
9-17-12 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

NOTES:

1. FOR DETAILS NOT SHOWN, SEE STANDARD PLANS B3-3, B3-8 AND B3-9.
2. PLACE WEEP HOLES AND PERVIOUS BACKFILL PER STANDARD PLANS B0-3.

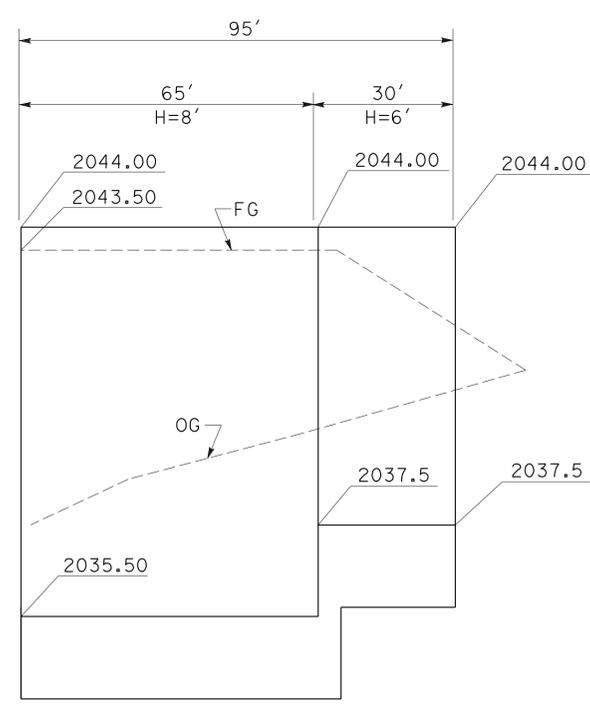


RETAINING WALL
PLAN VIEW



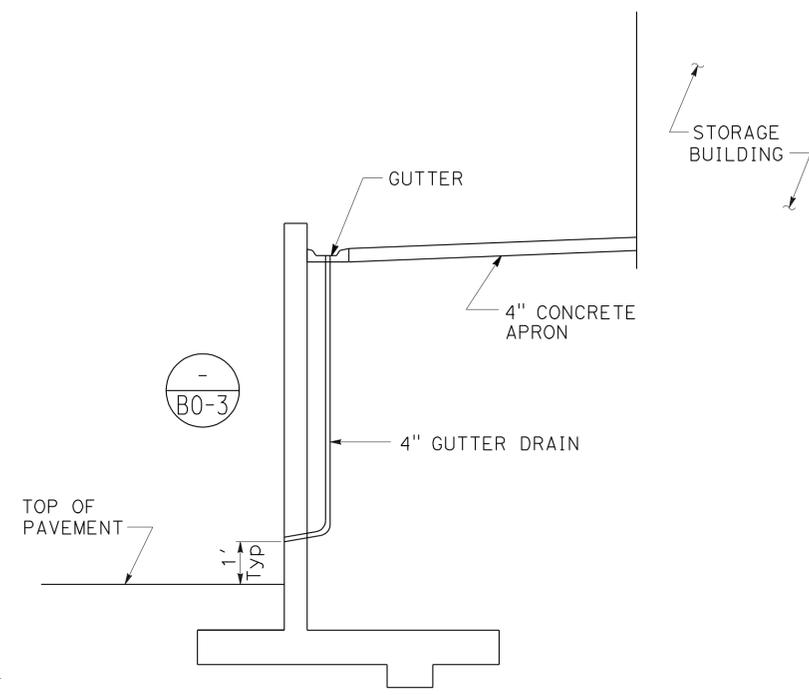
1

RETAINING WALL (TYPE 1A)
PROFILE VIEW



2

RETAINING WALL (TYPE 1A)
PROFILE VIEW



RETAINING WALL
TYPICAL SECTION

2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: MICHAEL RISTIC
 CALCULATED/DESIGNED BY: MICHAEL RISTIC
 CHECKED BY:
 RHEA VILLARAMA
 MICHAEL RISTIC
 REVISED BY: DATE
 REVISED BY: DATE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
08	Riv	5728		8	77


 REGISTERED CIVIL ENGINEER DATE 8-15-12
 9-17-12
 PLANS APPROVAL DATE



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PAVEMENT QUANTITIES

ROADWAY EXCAVATION	403 CY
HOT MIX ASPHALT (TYPE A)	408 TON
LIQUID ASPHALT (PRIME COAT)	1 TON

**TEMPORARY
WATER POLLUTION CONTROL
QUANTITIES**

TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS
TEMPORARY DRAINAGE INLET PROTECTION	1 EA
TEMPORARY CONSTRUCTION ENTRANCE	1 EA

**MINOR CONCRETE
(MISCELLANEOUS CONSTRUCTION
QUANTITIES)**

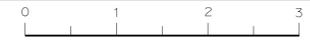
LOCATION	Qty (CY)
CONTAINMENT APRON CURB	4.6
STORAGE BUILDING APRON AND GUTTER	21.5
V-DITCH	16.6
TOTAL	42.7

RETAINING WALL QUANTITIES

LOCATION	Qty
STRUCTURAL EXCAVATION (RETAINING WALL)	193 CY
STRUCTURAL BACKFILL (RETAINING WALL)	279 CY
STRUCTURAL CONCRETE, RETAINING WALL	137 CY
BAR REINFORCING STEEL (RETAINING WALL)	8,500 LB
HANDRAILING	270 LF

**SUMMARY OF QUANTITIES
Q-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans MAINTENANCE DESIGN
 FUNCTIONAL SUPERVISOR: MICHAEL RISTIC
 CALCULATED/DESIGNED BY: RHEA VILLARAMA
 CHECKED BY: MICHAEL RISTIC
 REVISED BY: DATE
 REVISIONS:



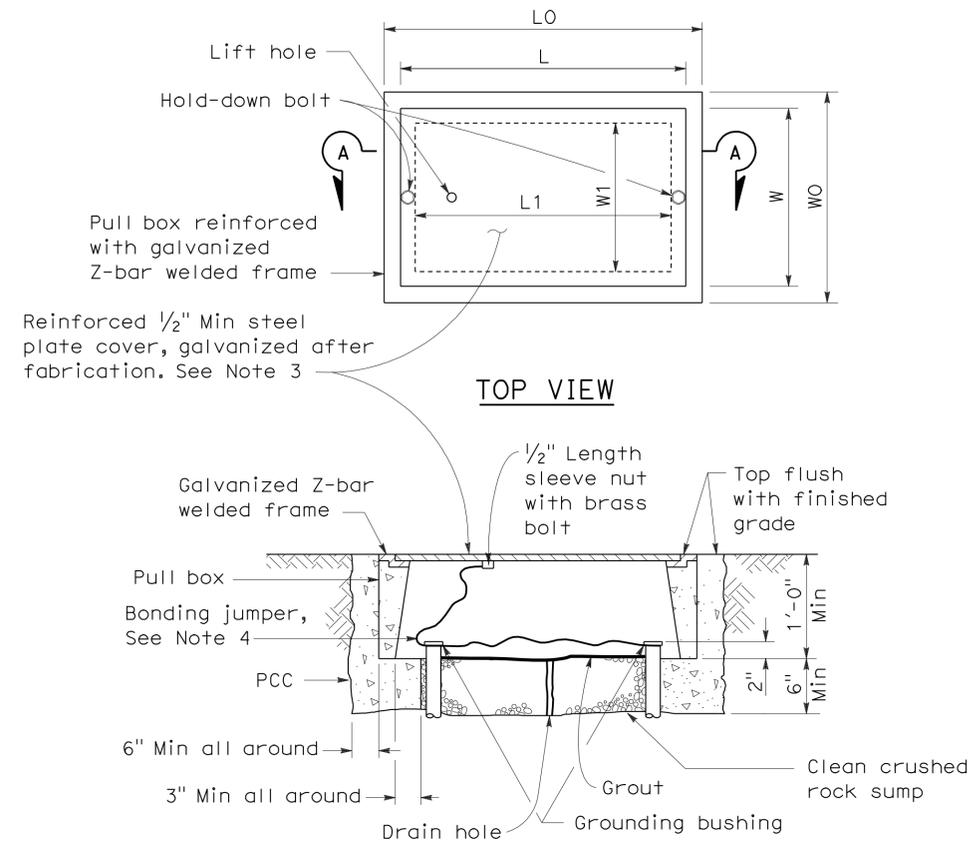
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		9	77

Jeffery G. McRae
 REGISTERED ELECTRICAL ENGINEER
 January 20, 2012
 PLANS APPROVAL DATE

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To accompany plans dated 9-17-12

2006 NEW STANDARD PLAN NSP ES-8B



**No. 3 1/2(T), No. 5(T) AND
No. 6(T) TRAFFIC PULL BOX**

NOTES ON PULL BOXES:

- Traffic pull box shall be provided with steel cover and special concrete footing. Steel cover shall have embossed non-skid pattern.
- Steel reinforcing shall be as regularly used in the standard products of the respective manufacturer.
- Pull box covers must be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" Sprinkler control circuits, 50 V or less; "CALTRANS" On all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service.
 - No. 3 1/2(T) pull box.
 - "SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "ST LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - No. 5(T) or 6(T) pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without street or sign lighting circuits.
 - "STREET LIGHTING" - Street or sign lighting circuits where voltage is under 600 V.
 - "STREET LIGHTING-HIGH VOLTAGE" - Street or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATION" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communications line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
- Bonding jumper for metal covers shall be 3' long, minimum.
- The nominal dimensions of the opening in which the cover sets must be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes must be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces must be flush within 1/8".

PULL BOX	BOX						COVER				
	Minimum * Thickness	Minimum Depth Box and Extension	W0	L0	L1	W1	L **	W **	R	Edge Thickness	Edge Taper
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5" ± 1"	1'-8 7/8" ±	1'-2 1/2" ±	10 5/8" ± 1"	1'-8" ±	1'-1 3/4" ±	0"	1/2"	None
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2" ± 1"	2'-5 1/2" ±	1'-7" ±	1'-1" ± 1"	2'-3" ±	1'-4" ±	0"	1/2"	None
No. 6(T)	2"	1'-0"	2'-6" ± 1"	2'-11 1/2" ±	1'-11 1/2" ±	1'-5" ± 1"	2'-9" ±	1'-8" ±	0"	1/2"	None

* Excluding conduit web ** Top dimension

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
 (TRAFFIC RATED PULL BOX)**
 NO SCALE

NSP ES-8B DATED JANUARY 20, 2012 SUPPLEMENTS THE
STANDARD PLANS BOOK DATED MAY 2006.

ARCHITECTURAL ABBREVIATIONS

& L	AND ANGLE	(E)	EXISTING	HVAC	HEATING, VENTILATING, AIR CONDITIONING
⊙	CENTER LINE	E	EAST	HWY	HIGHWAY
°	DEGREE	EA	EACH	ID	INSIDE DIAMETER
∅	DIAMETER OR ROUND NUMBER	EEWS	EMERGENCY EYEWASH AND SHOWER	ID	IDENTIFICATION
#	PENNY	EF	EXHAUST FAN	IN	INCH
□	SQUARE	EHD	ELECTRIC HAND DRYER	INSUL	INSULATION
AB	ANCHOR BOLT	EJ	EXPANSION JOINT	INT	INTERIOR
ABV	ABOVE	EL	ELEVATION (HEIGHT)	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
A/C	AIR CONDITIONING	ELEC	ELECTRICAL	JAN	JANITOR
AC	ASPHALT CONCRETE	ELEV	ELEVATION (VIEW)	JH	JOIST HANGER
ACOUS	ACOUSTICAL	EMER	EMERGENCY	JST	JOIST
ADAAG	ADA ACCESSIBILITY GUIDE-LINES FOR BUILDINGS AND FACILITIES	ENCL	ENCLOSURE	JT	JOINT
ADDL	ADDITIONAL	EP	ELECTRICAL PANEL	KIT	KITCHEN
ADJ	ADJUSTABLE	EQ	EQUAL	LAB	LABORATORY
ALT	ALTERNATE	EQUIP	EQUIPMENT	LAM	LAMINATE
ALUM	ALUMINUM	EW	ELECTRIC WATER COOLER	LAV	LAVATORY
APA	AMERICAN PLYWOOD ASSOCIATION	EXP	EXPANSION	LBF	POUND-FORCE
ARCH	ARCHITECTURAL, ARCHITECT	EXPO	EXPOSED, EXPOSURE	LBS	POUNDS
ASPH	ASPHALT	EXT	EXTERIOR	LF	LINEAR FEET
BD	BOARD	EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	LKR	LOCKER
BITUM	BITUMINOUS	FD	FLOOR DRAIN	LP	LIQUIFIED PETROLEUM GAS
BLDG	BUILDING	FDN	FOUNDATION	LS	LAG SCREW
BLK	BLOCK	FE	FIRE EXTINGUISHER	MAT	MATERIAL
BLKG	BLOCKING	FEC	FIRE EXTINGUISHER CABINET	MAX	MAXIMUM
BM	BEAM	FG	FINISH GRADE	MB	MACHINE BOLT
BOT	BOTTOM	FH	FIRE HYDRANT	MBR	MEMBER
BR	BRIDGE	FHC	FIRE HOSE CABINET	MECH	MECHANICAL
BTWN	BETWEEN	FHMS	FLAT HEAD METAL SCREW	MEMB	MEMBRANE
BUR	BUILT-UP-ROOFING	FHWS	FLAT HEAD WOOD SCREW	MET	METAL
CAB	CABINET	FIN	FINISH	MFR	MANUFACTURER
CB	CATCH BASIN	FJ	FLOOR JOIST	MH	MAN HOLE
CEM	CEMENT	FLASH	FLASHING	MIN	MINIMUM
CER	CERAMIC	FLR	FLOOR	MIR	MIRROR
CIP	CAST IN PLACE	FLUOR	FLUORESCENT	MISC	MISCELLANEOUS
CJ	CONTROL JOINT	FOC	FACE OF CONCRETE	MIW	MALLEABLE IRON WASHER
CJ	CEILING JOIST	FOF	FACE OF FINISH	MO	MASONRY OPENING
CL	CHAIN LINK	FOM	FACE OF MASONRY	MR	MOISTURE RESISTANT
CLG	CEILING	FOS	FACE OF STUD	MTD	MOUNTED
CLO	CLOSET	FOW	FACE OF WALL	MUL	MULLION
CLR	CLEAR	FRP	FIBERGLASS REINFORCED PLASTIC PANEL	N	NORTH
CMU	CONCRETE MASONRY UNIT	FT	FEET, FOOT	NIC	NOT IN CONTRACT
COL	COLUMN	FTG	FOOTING	NO	NUMBER
COMBO	COMBINATION	FURR	FURRING	NOM	NOMINAL
COMP	COMPOSITION	FWY	FREEWAY	NTS	NOT TO SCALE
CONC	CONCRETE	GA	GAUGE	OBSC	OBSCURE
CONN	CONNECTION	GALV	GALVANIZED	OC	ON CENTER
CONST	CONSTRUCTION	GB	GRAB BAR	OD	OUTSIDE DIAMETER
CONT	CONTINUOUS	GI	GALVANIZED IRON	OFF	OFFICE
CORR	CORRIDOR	GL	GLASS	OH	OPPOSITE HAND
CPT	CARPET	GLULAM	GLUE LAMINATED MEMBER	OHD	OVERHEAD DOOR
CT	CERAMIC TILE	GLZ	GLAZING	OHWS	OVAL HEAD WOOD SCREW
CTR	CENTER	GMU	GLASS MASONRY UNITS	OPNG	OPENING
CTSK	COUNTERSUNK	GR	GRADE	OPP	OPPOSITE
CY	CUBIC YARD	GSM	GALVANIZED SHEET METAL	OPT	OPTION, OPTIONAL
DBL	DOUBLE	GYP	GYPNUM	PB	POST BASE
DEPT	DEPARTMENT	GYP BD	GYPNUM BOARD	PC	POST CAP
DET	DETAIL	HB	HOSE BIB	PCC	PORTLAND CEMENT CONCRETE
DF	DRINKING FOUNTAIN	HC	HOLLOW CORE	PERF	PERFORATED
DF	DOUGLAS FIR	HD	HEAD	PH	PHILIPS HEAD
DIA	DIAMETER	HD	HOLD DOWN	PL	PLATE
DIM	DIMENSION	HDR	HEADER	PLAM	PLASTIC LAMINATE
DN	DOWN	HDWD	HARDWOOD	PLAS	PLASTER
DP	DEEP	HDWR	HARDWARE	PLWD	PLYWOOD
DR	DOOR	HEX	HEXAGONAL	PMF	PRESSED METAL FRAME
DS	DOWNSPOUT	HF	HEMLOCK-FIR	PR	PAIR
DWG	DRAWING	HGR	HANGER	PRTN	PARTITION
DWR	DRAWER	HM	HOLLOW METAL	PT	POINT
		HORIZ	HORIZONTAL	PTD	PAPER TOWEL DISPENSER
		HR	HOUR		
		HSB	HIGH STRENGTH BOLT		
		HT	HEIGHT		

PTDR	PAPER TOWEL DISPENSER/WASTE RECEPTACLE	TS	TUBULAR STEEL
PVC	POLYVINYL CHLORIDE	TSKD	TOILET SEAT COVER DISPENSER
QT	QUARRY TILE	TTD	TOILET TISSUE DISPENSER
QTY	QUANTITY	TYP	TYPICAL
(R)	RELOCATED	UNF	UNFINISHED
R	RADIUS, RISER	UON	UNLESS OTHERWISE NOTED
RA	RETURN AIR	UR	URINAL
R/W	RIGHT OF WAY	VAR	VARIES
RD	ROOF DRAIN	VCT	VINYL COMPOSITION TILE
RDWD	REDWOOD	VERT	VERTICAL
REF	REFERENCE	VEST	VESTIBULE
REFG	REFRIGERATOR	VTR	VENT THROUGH ROOF
REINF	REINFORCED(ING)	WEST	WEST
REQD	REQUIRED	W/	WITH
RFG	ROOFING	W/O	WITHOUT
RFSWN	ROUGHSAWN	WHBD	WHITEBOARD
RH	ROUND HEAD	WC	WATER CLOSET
RHWS	ROUND HEAD WOOD SCREW	WD	WOOD
RJ	ROOF JOIST	WDW	WINDOW
RM	ROOM	WH	WATER HEATER
RO	ROUGH OPENING	WP	WORKING POINT
RSWN	RESAWN	WR	WASTE RECEPTACLE
RTE	ROUTE	WR	WATER RESISTANT
RWL	RAINWATER LEADER	WS	WALL SURFACE
S	SOUTH	WSCT	WAINSCOT
SA	SUPPLY AIR	WT	WEIGHT
SC	SOLID CORE	WTPR	WATERPROOFING
SCHD	SCHEDULE	WWF	WELDED WIRE FABRIC
SD	SOAP DISPENSER	YD	YARD
SDST	SELF DRILLING SELF TAPPING		
SF	SQUARE FEET		
SH	SHelf		
SHR	SHOWER		
SHT	SHEET		
SHTG	SHEATHING		
SIM	SIMILAR		
SMS	SHEET METAL SCREW		
SND	SANITARY NAPKIN DISPOSAL		
SPEC	SPECIFICATION		
SPS	STRUCTURAL PLYWOOD SHEATHING		
SQ	SQUARE		
SRRA	SAFETY ROADSIDE REST AREA		
SS	SERVICE SINK		
SST	STAINLESS STEEL		
STA	STATION		
STAG	STAGGER		
STD	STANDARD		
STL	STEEL		
STOR	STORAGE		
STRUC	STRUCTURAL		
SUSP	SUSPENDED		
SYM	SYMMETRICAL		
T&B	TOP AND BOTTOM		
T&G	TONGUE AND GROOVE		
TB	TOLL BOOTH		
TEL	TELEPHONE		
TEMP	TEMPERED		
TEMP	TEMPORARY		
TER	TERRAZZO		
TIF	TRUCK INSPECTION FACILITY		
THK	THICK		
THLD	THRESHOLD		
TJ	TOOLED JOINT		
TKBD	TACKBOARD		
TN	TOE NAIL		
TOC	TOP OF CURB/ CONCRETE		
TOP	TOP OF PAVEMENT		
TOS	TOE OF SLOPE		
TOT	TOTAL		
TOW	TOP OF WALL		

SYMBOLS

	ROOM DESIGNATION
	DOOR DESIGNATION
	WINDOW DESIGNATION
	LOUVER DESIGNATION
	ELEVATION
	MATCH LINE (SHADED PORTION IS THE SIDE CONSIDERED)
	SECTION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER
	DETAIL NUMBER
	SAME SHEET
	GRID LINE (LETTER IN ONE DIRECTION, NUMBERS IN OTHER DIRECTION)
	EARTH
	AC PAVING
	PARTITION
	CONCRETE
	CONCRETE MASONRY UNIT
	STEEL
	SAND/MORTAR/PLASTER
	BATT INSULATION
	RIGID INSULATION
	EXPANSION JOINT FILLER
	PLYWOOD
	GYPNUM BOARD
	CONTINUOUS WOOD FRAMING
	WOOD BLOCKING
	FINISH WOOD

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		11	77

LICENSED ARCHITECT
 DATE 09/15/11
 No. C-24777
 Ren. 9/30/13
 STATE OF CALIFORNIA

9-17-12
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by: Y. A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission 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 Approval date: 11-08-11 CFSM File No. 01-33-11-0030-009
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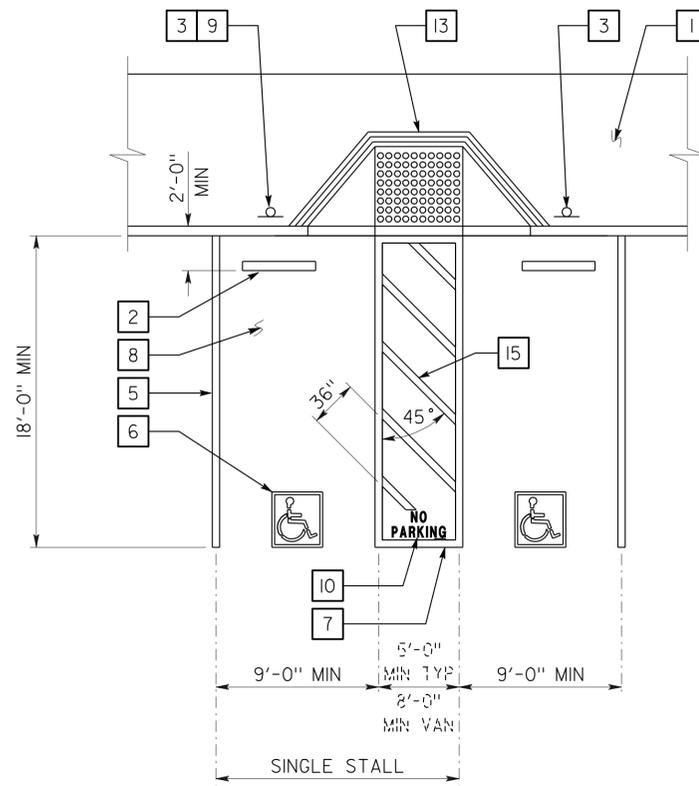
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING		DESIGN BY MICHELE MARSON	CHECKED	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
FILE NO. XS-26-4	DATE 12/06	DETAILS BY MICHELE MARSON	CHECKED	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE NA	ARCHITECTURAL ABBREVIATIONS AND SYMBOLS		A0-1
o0_01.dgn		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3595	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X
TAEMWW Imper1al Rev. 7/10		20-SEP-2012 11:31		EA 499801		03-18-11 XX-XX-XX		o0_01.dgn	

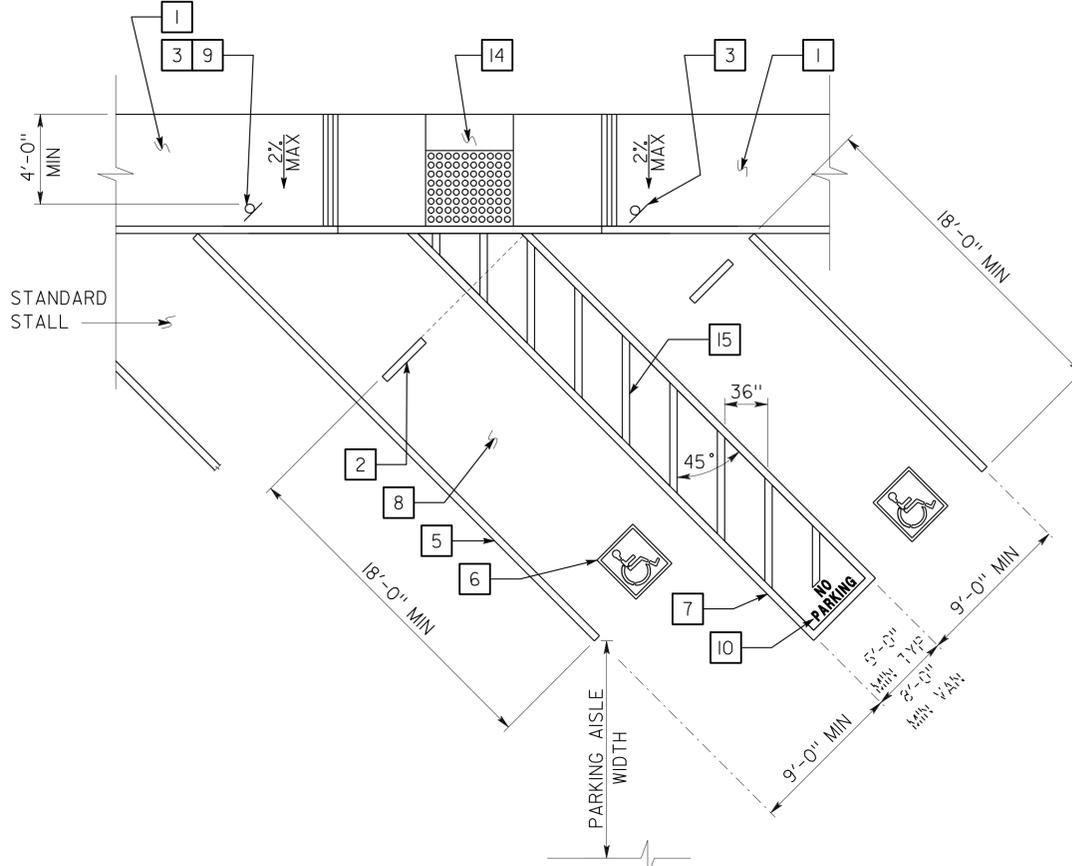
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		13	77
 LICENSED ARCHITECT			07-20-11	 LICENSED ARCHITECT	
9-17-12			PLANS APPROVAL DATE		
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KEYED NOTE LEGEND FOR DETAILS 1 & 2

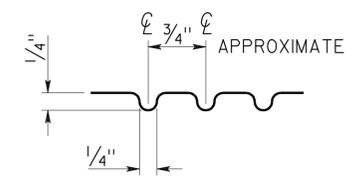
- CONCRETE WALKWAY (WHERE OCCURS) SEE PLANS FOR WIDTH, LAYOUT (MAY VARY), FINISH, JOINTS AND ELEVATIONS.
- PARKING BUMPER (AWAY FROM ACCESS AISLE). SEE SPECIFICATIONS.
- ACCESSIBLE PARKING SPACE SIGNAGE SEE DETAIL 1 ON SHEET A0-3.2.
- 1' WIDE GROOVED BORDER ON LEVEL SURFACE TYP AT RAMP PERIMETER. SEE DETAIL 3 ON THIS SHEET.
- 4" WIDE WHITE PARKING STALL DESIGNATION STRIPE. SEE SITE PLAN(S) FOR ADDITIONAL STALL STRIPING. SEE SPECIFICATIONS FOR PAINTING.
- ACCESSIBLE PARKING SURFACE IDENTIFICATION PAINTED ON PAVEMENT. SEE DETAIL 6 ON SHEET A0-3.2.
- 4" WIDE BLUE BORDER DESIGNATION NON-PARKING ACCESS AISLE TO CURB RAMP
- MAXIMUM SLOPE ON PARKING STALL PAVED AREA TO BE 2%.
- VAN ACCESSIBLE SIGNAGE. SEE DETAIL 2 ON SHEET A0-3.2. ACCESS AISLE SHALL BE ON PASSENGER SIDE ONLY.
- "NO PARKING" IN MIN 12" HIGH WHITE LETTERS TO BE PLACED WITHIN ACCESS AISLE TO CURB RAMP SEE DETAIL 7 ON SHEET A0-3.2.
- LEVEL LANDING - 2% MAX SLOPE W/ 36" DEEP DETECTABLE WARNINGS SURFACE ADJOINING ACCESS AISLE OR VEHICULAR WAY. SEE DETAIL 6 ON THIS SHEET
- DETECTABLE WARNING SURFACE TO EXTEND FULL WIDTH AND DEPTH OF CURB RAMP. SEE DETAIL 6 ON THIS SHEET. PROJECTS USING 2010 ADA STANDARDS MAY HAVE DETECTABLE WARNING SURFACE EXTENDING FULL WIDTH AND MIN. 36" DEEP FROM FRONT EDGE OF SIDEWALK.
- CURB RAMP. SEE DETAIL 4 ON THIS SHEET. ALSO SEE PLANS FOR WIDTH AND LAYOUT (MAY VARY).
- CURB RAMP. SEE DETAIL 5 ON THIS SHEET. ALSO SEE PLANS FOR WIDTH AND LAYOUT (MAY VARY).
- 4" WIDE WHITE HATCHED LINES TO CONTRAST WITH ASPHALT SURFACE. USE BLUE HATCHED LINES FOR LIGHT-COLOR CONCRETE SURFACE.



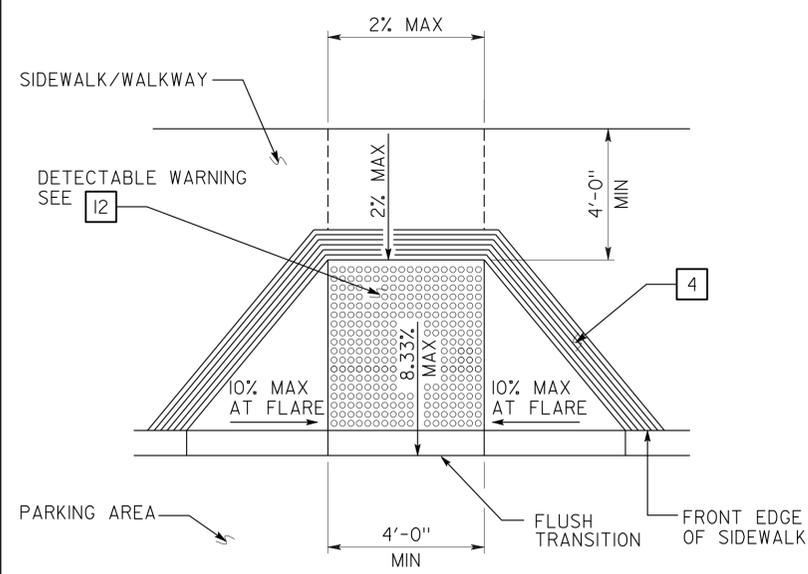
1 ACCESSIBLE PARKING STALL



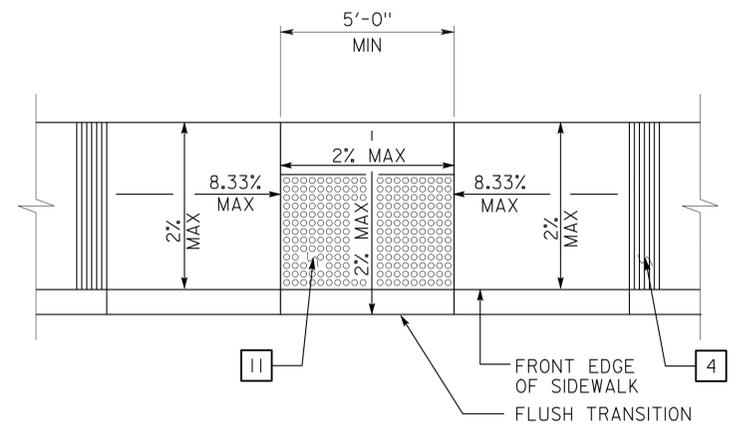
2 DIAGONAL ACCESSIBLE PARKING STALL
SEE PLAN FOR ANY VARIATION OF DIAGONAL PARKING



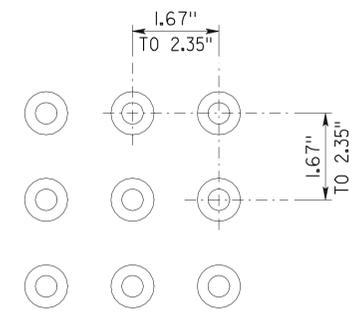
3 GROOVE DETAIL



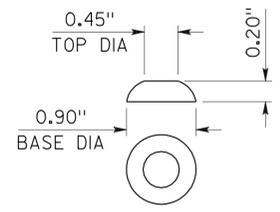
4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES
DOME DIMENSIONS ARE NOMINAL, WHICH MAY BE WITHIN ±0.05" FOR DOME SPACING, AND ±0.02" FOR DOME SIZE.



DOMES

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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

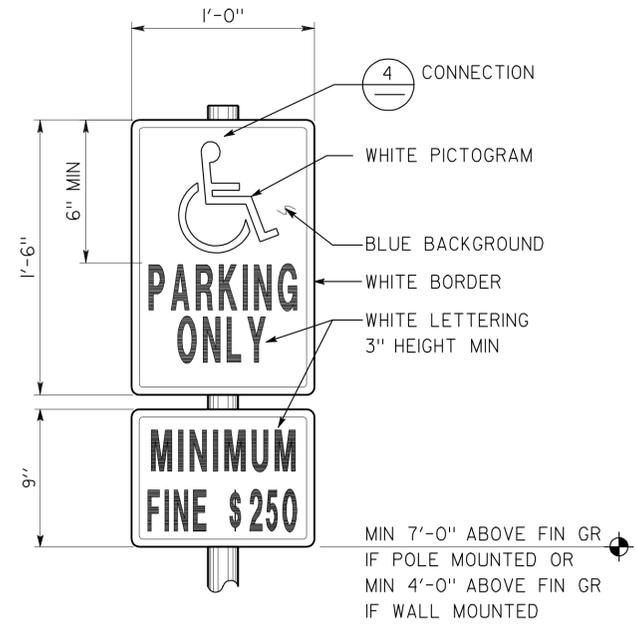
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FILE NO.	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	ARCHITECTURAL		56M5728		POST MILE		ACCESSIBILITY		A0-3.1	
DRAWING DATE 11-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	STRUCTURAL DESIGN		NA		NA		ACCESSIBILITY STANDARD DETAILS		OF	
SUBMITTED BY Y.A. WANG				DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 0800020324-1		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
g0_03_1.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT 3595		03-18-11		20-SEP-2012 11:31		EA 499801	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		14	77

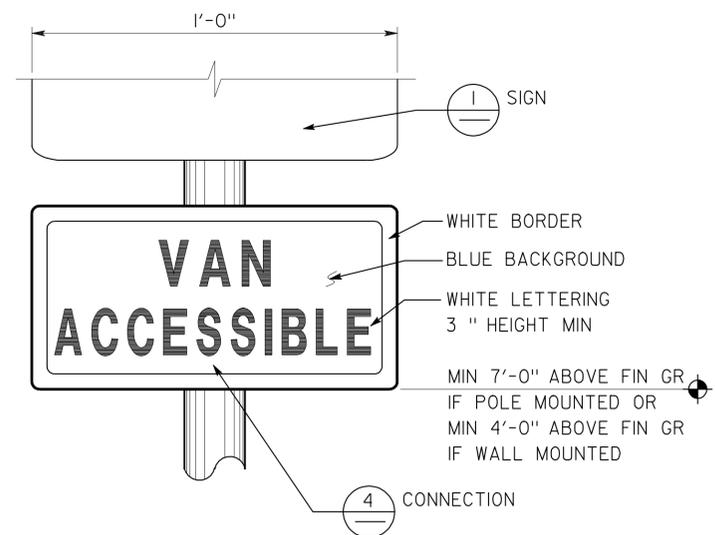
<i>Y.A. Wang</i>	07-20-11	
LICENSED ARCHITECT	DATE	

9-17-12
PLANS APPROVAL DATE

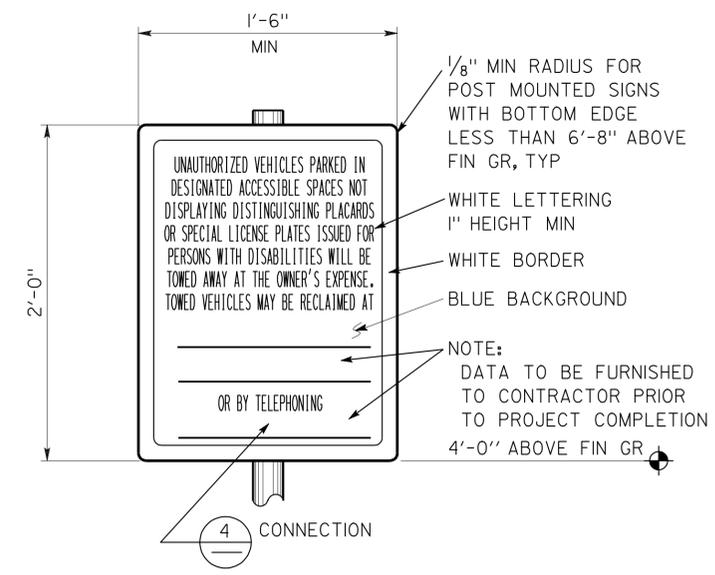
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1 ACCESSIBLE PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
COMBO SIGN MAY BE USED



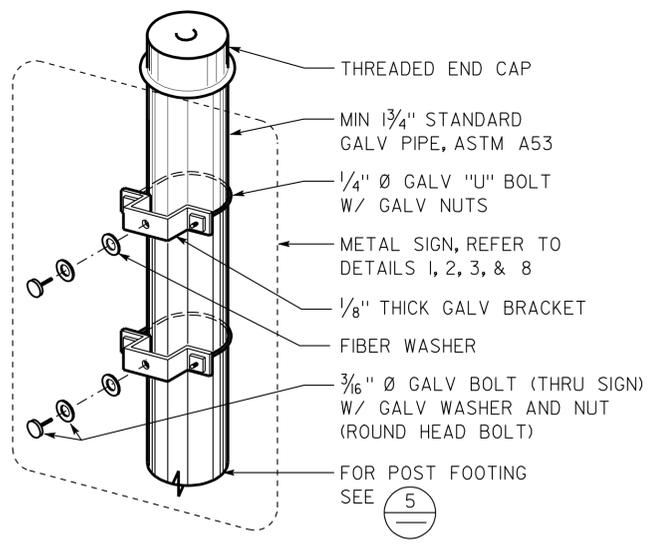
2 ACCESSIBLE VAN PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
VAN ACCESSIBLE COMBO SIGN AND SEPARATE FINE PLAQUE MAY BE USED



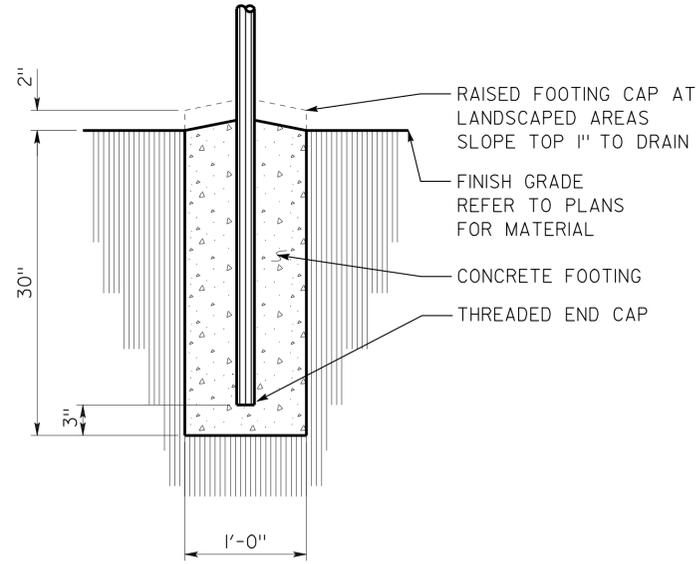
3 UNAUTHORIZED VEHICLES PARKING SIGN
REFER TO SITE PLAN FOR LOCATIONS
COLORS MAY VARY



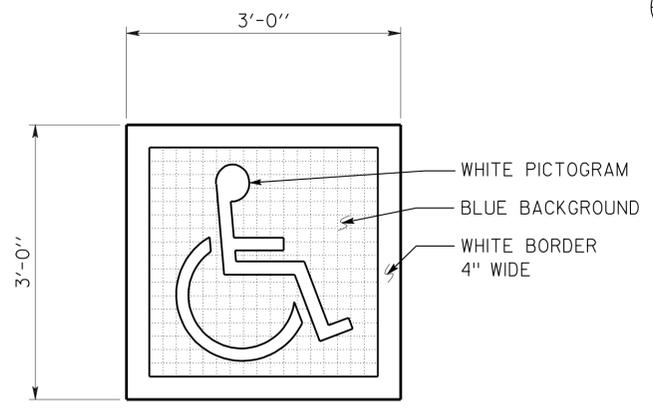
7 ACCESS AISLE PAVEMENT MARKING



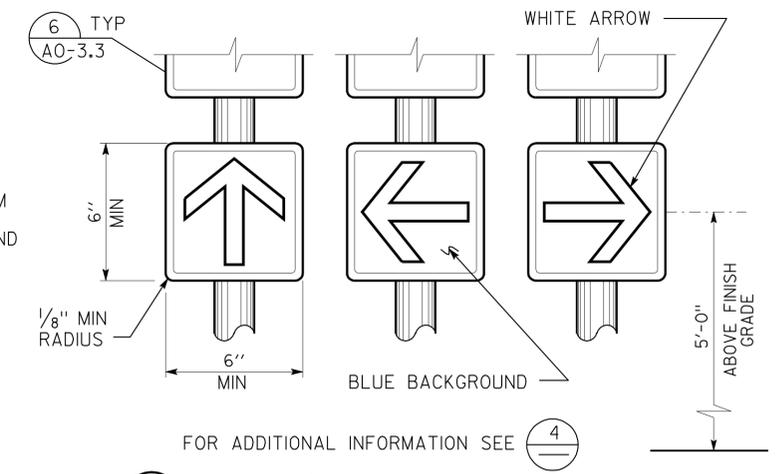
4 SIGN CONNECTION



5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION
REFER TO DETAILS 1 AND 2 ON SHEET AO-3.1 FOR LOCATIONS



8 DIRECTIONAL SIGNS
REFER TO SITE OR GENERAL PLAN FOR LOCATIONS
WALL OR DOOR MOUNTED SIGNS MAY BE USED
COMBO SIGN MAY BE USED
COLORS MAY VARY

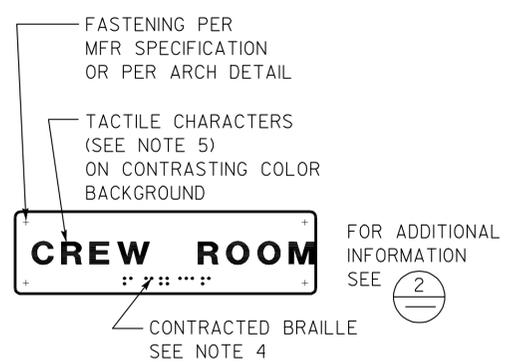
DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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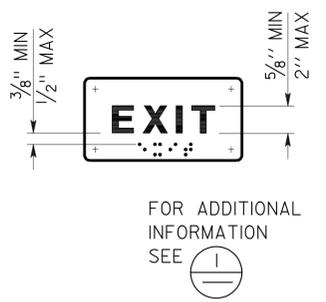
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FILE NO.	DESIGN BY	CHECKED	APPROVED	CALIFORNIA		ARCHITECTURAL		56M5728		ACCESSIBILITY		A0-3.2	
DRAWING DATE	BY	CHECKED	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		AND		POST MILE		ACCESSIBILITY STANDARD DETAILS		OF	
11-11	D. ALSEY	Y.A. WANG	<i>R.E. Travis</i>			STRUCTURAL DESIGN		NA					
SUBMITTED BY Y.A. WANG				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	
20-SEP-2012 11:31				0 1 2 3		3595		0800020324-1		03-18-11		OF	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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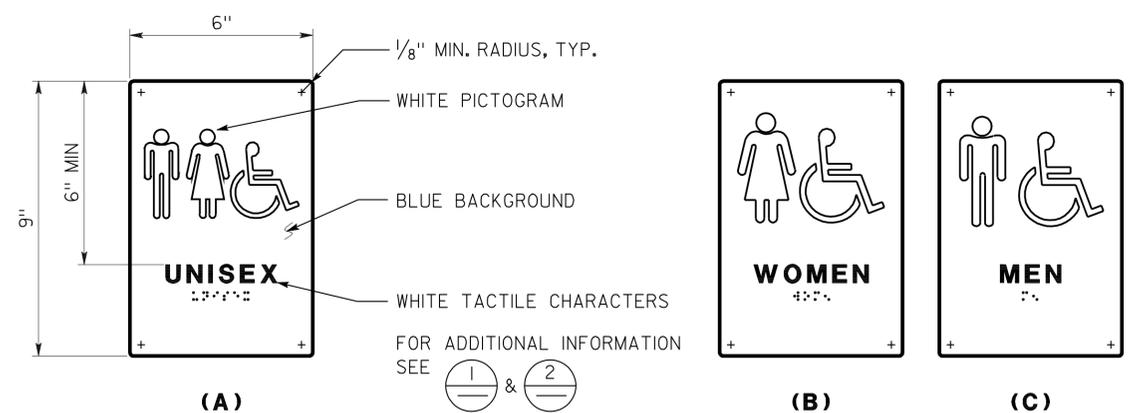
 LICENSED ARCHITECT		07-20-11 DATE	
9-17-12 PLANS APPROVAL DATE		The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	



1 ROOM IDENTIFICATION SIGN
 INSTALL PER DETAIL 5
 TEXT VARIES
 SEE PLANS, EXT ELEVATIONS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

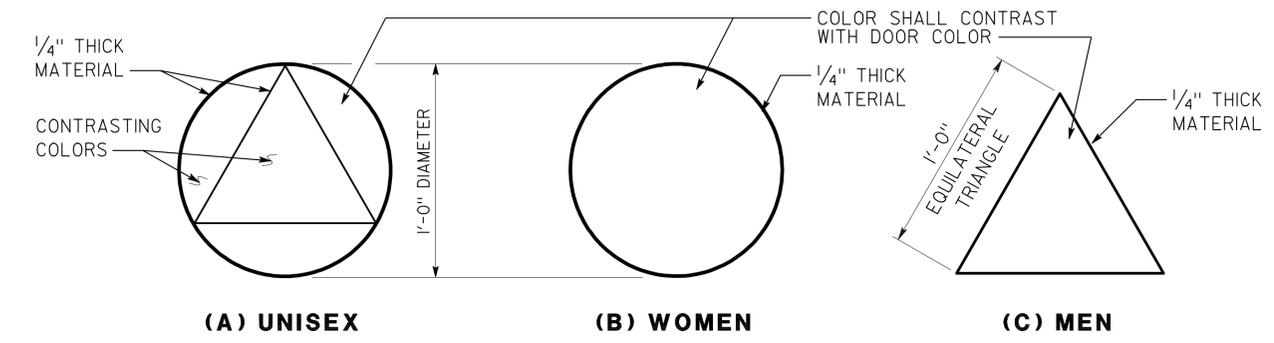


2 INTERIOR EXIT SIGN
 INSTALL PER DETAIL 5
 TEXT MAY VARY
 SEE PLANS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

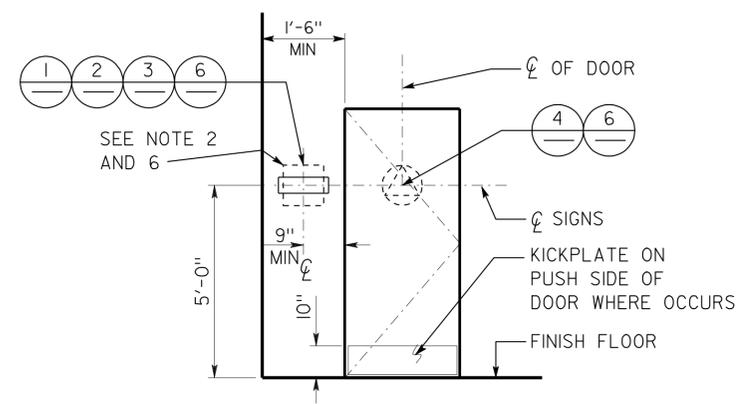


3 RESTROOM SIGNS
 INSTALL PER DETAIL 5
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission 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 Approval date: 11-08-11 CFSM File No. 01-33-11-0030-009
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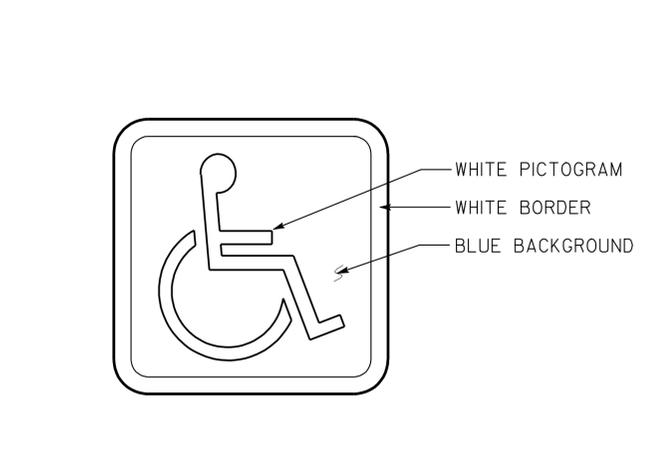


4 RESTROOM IDENTIFICATION SYMBOLS
 INSTALL PER DETAIL 5
 ANY PICTOGRAM AND TEXT ARE NOT REQUIRED

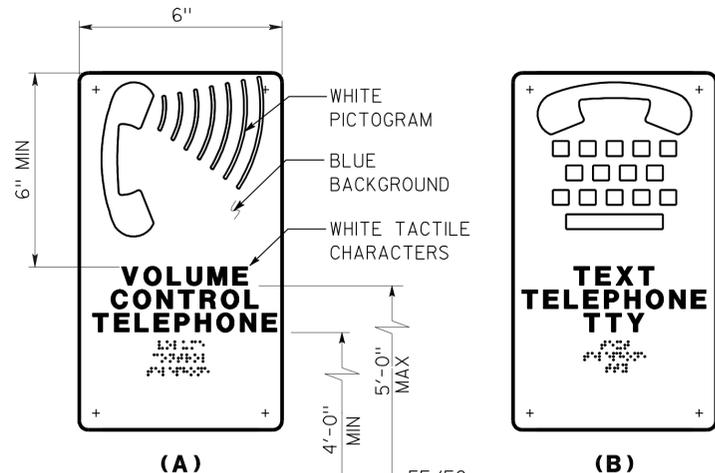


5 SIGN LOCATIONS
 REFER TO SIGNAGE NOTES FOR ADDITIONAL INFORMATION

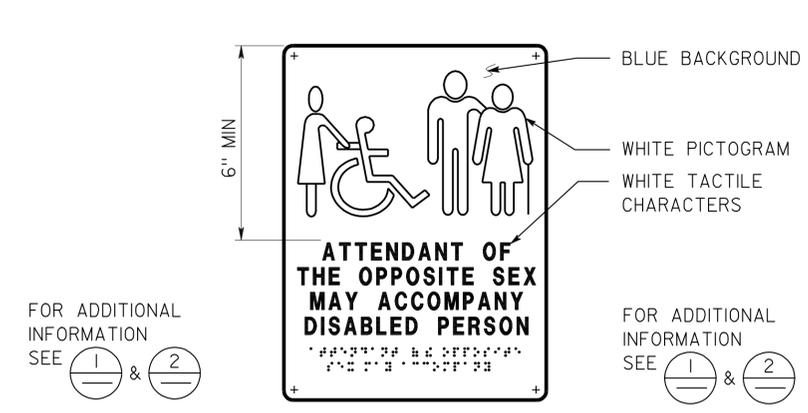
- SIGNAGE NOTES:**
- LOCATE ROOM IDENTIFICATION SIGNS, EXIT SIGNS, AND RESTROOM SIGNS ON WALL ADJACENT TO DOOR ON LATCH SIDE. IF WALL SPACE IS NOT AVAILABLE ON LATCH SIDE, LOCATE ON NEAREST ADJACENT WALL. LOCATE SIGN TO THE RIGHT OF RIGHT HAND DOOR AT DOUBLE DOORS WITH TWO ACTIVE LEAFS.
 - REFER TO SPECIFICATIONS FOR SIGN MATERIAL AND OTHER COLOR SELECTION. EXCEPT DETAIL 6, SIGN COLORS MAY VARY FROM DETAILS.
 - SEE DOOR SCHEDULE FOR TEXT AND SIGN LOCATIONS, UON.
 - CONTRACTED BRAILLE: DOTS SHALL BE 1/10" OC IN EACH CELL WITH 2/10" SPACE BETWEEN CELLS MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40" ABOVE THE BACKGROUND. DOTS SHALL BE DOMED OR ROUNDED.
 - TACTILE CHARACTERS SHALL BE UPPERCASE SANS SERIF RAISED 1/32" MIN WITH A WIDTH TO HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH TO HEIGHT RATIO BETWEEN 1:5 AND 1:10.
 - PROVIDE 18"x18" MIN CLEAR FLOOR SPACE IN FRONT OF AND CENTERED ON THE SIGN.



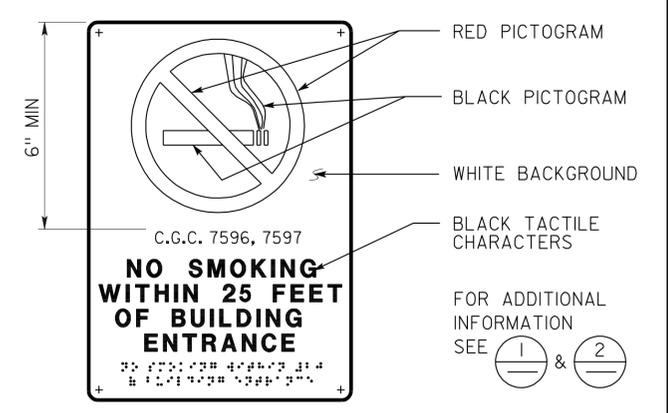
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 INSTALL PER DETAIL 5
 SEE PLANS, ELEVATIONS, OR SCHEDULE FOR SIGN LOCATIONS.
 DECAL MAY BE USED.



7 TELEPHONE SIGNS
 TEXT MAY VARY
 SEE PLANS OR EXT ELEVATIONS FOR SIGN LOCATIONS AND MOUNTING HEIGHTS



8 RESTROOM ACCOMPANY SIGN
 SEE PLANS OR ELEVATIONS FOR LOCATIONS
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



9 NO SMOKING SIGN
 SEE PLANS OR EXTERIOR ELEVATIONS FOR LOCATIONS
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT

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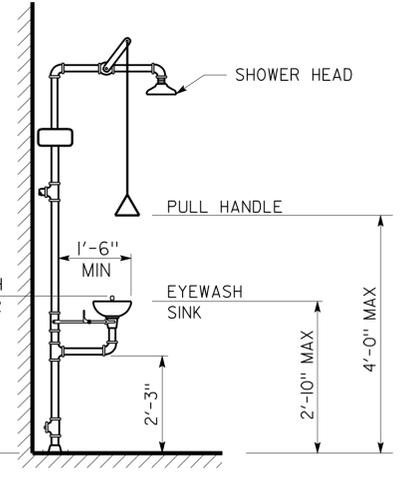
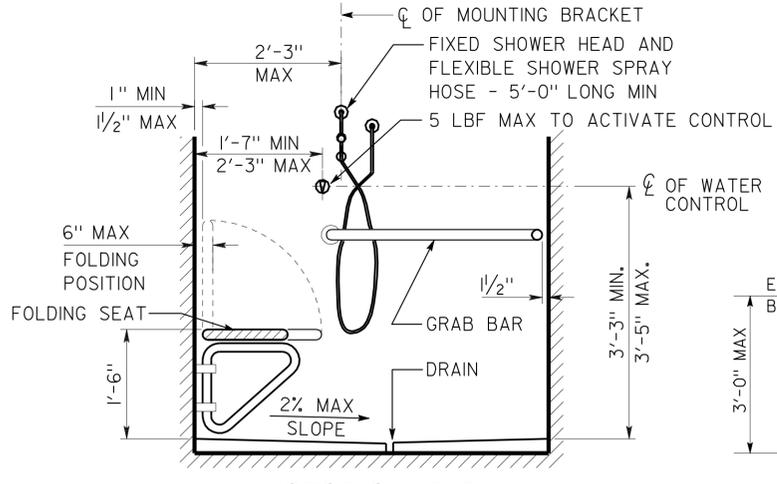
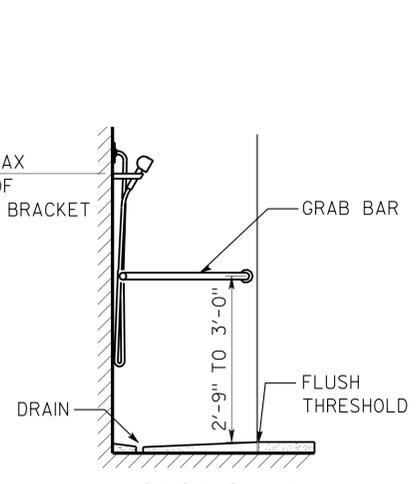
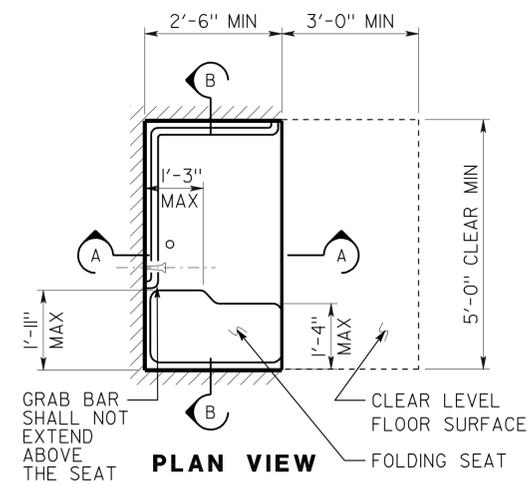
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FILE NO. 11-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED R.E. Travis	ARCHITECTURAL AND STRUCTURAL DESIGN		56M5728		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		A0-3.3	
DATE 11-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		NA		REVISION DATES (PRELIMINARY STAGE ONLY)		03-18-11		SHEET OF	
a0_03_3.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE		DISREGARD PRINTS BEARING EARLIER REVISION DATES		3595 0800020324-1		SHEET OF	
TAEMWW Imper1al Rev. 7/10				20-SEP-2012 11:31		EA 499801						20-SEP-2012 11:31	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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<i>Y.A. Wang</i>		07-20-11
LICENSED ARCHITECT	DATE	
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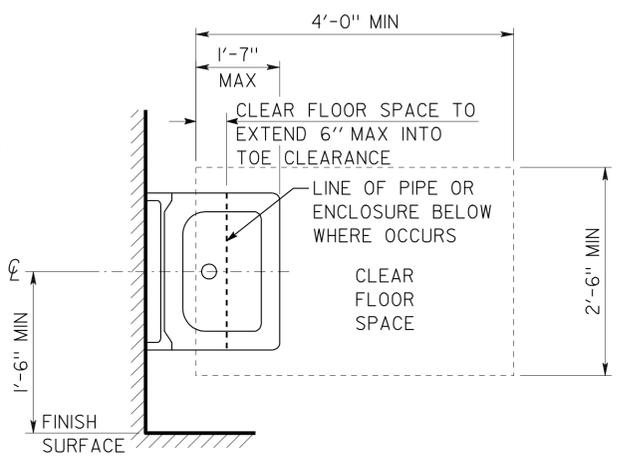
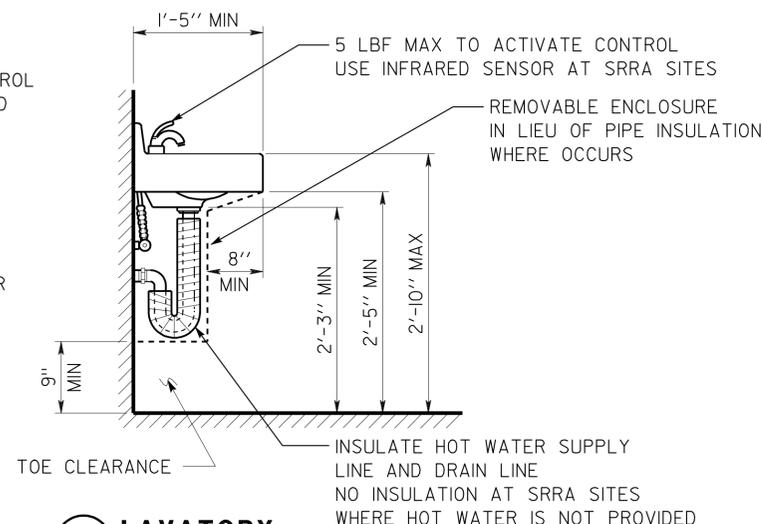
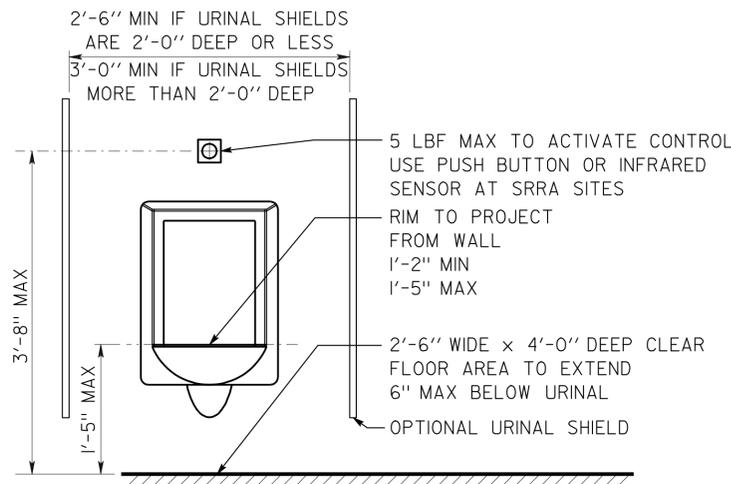
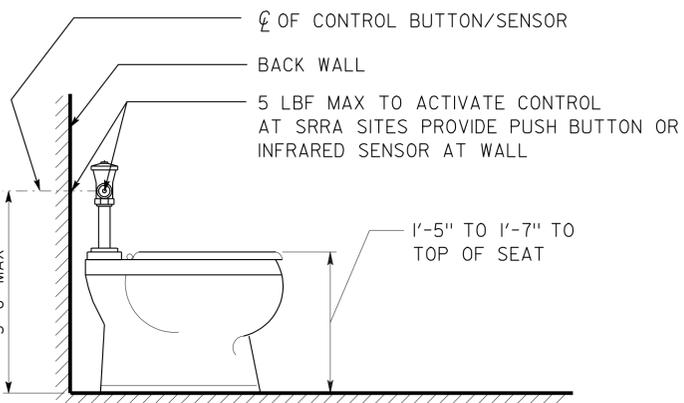


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PROJECT ID 0800020324	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>Y.A. Wang</i> Date: 12/14/11	Reviewed by: <i>Francis Solich</i> Approval date: 11-08-11
	CSFM File No. 01-33-11-0030-009



1 SHOWER STALL
OPTIONAL STANDARD SHOWER HEAD MAY BE ADDED TO WALL OPPOSITE SHOWER SEAT. LOCATE WATER DIVERTER PER WATER CONTROL.

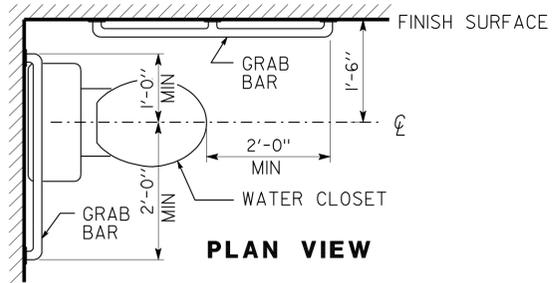
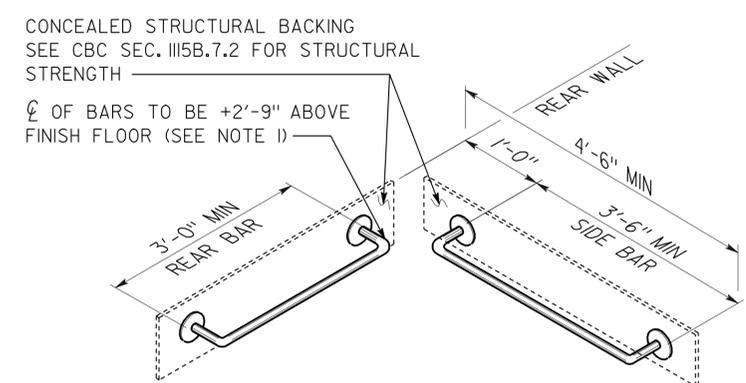
2 EMERGENCY EYEWASH/SHOWER
NO SCALE
FOOT PEDAL MAY BE ADDED TO OPERATE EQUIPMENT



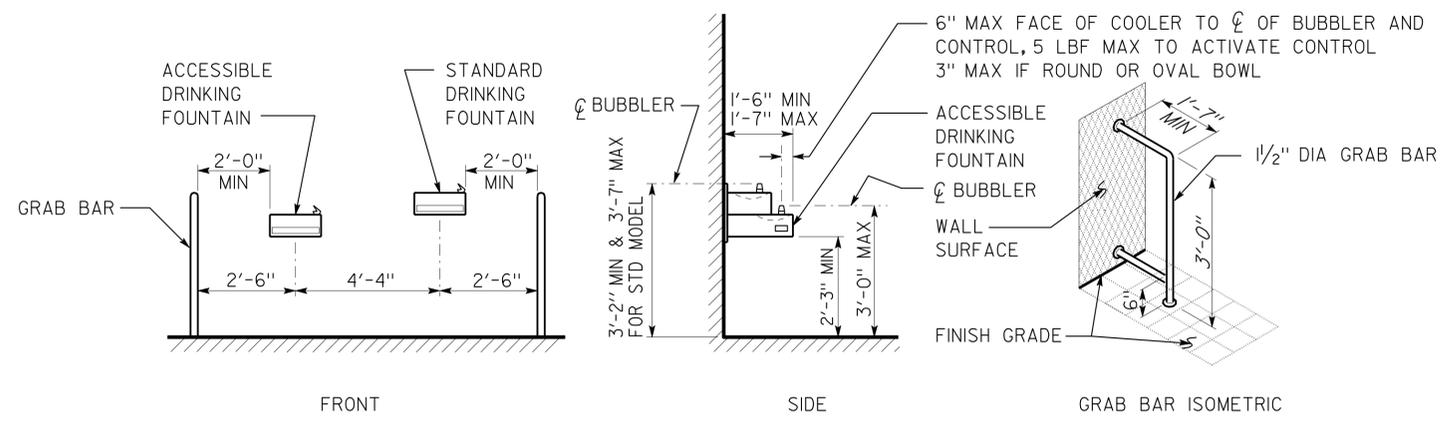
3 WATER CLOSET
SEE SPEC FOR FIXTURE TYPE

4 URINAL

5 LAVATORY



GRAB BAR NOTE:
1. IF TANK TYPE TOILET IS USED, TOP OF REAR BAR MAY BE SET TO 3'-0" MAX ABOVE FINISH FLOOR. SIDE BAR TO REMAIN AS SHOWN.
2. GRAB BARS TO BE 1 1/4" TO 1 1/2" DIAMETER WITH CLEAR SPACE OF 1 1/2" TO SMOOTH WALL SURFACE.

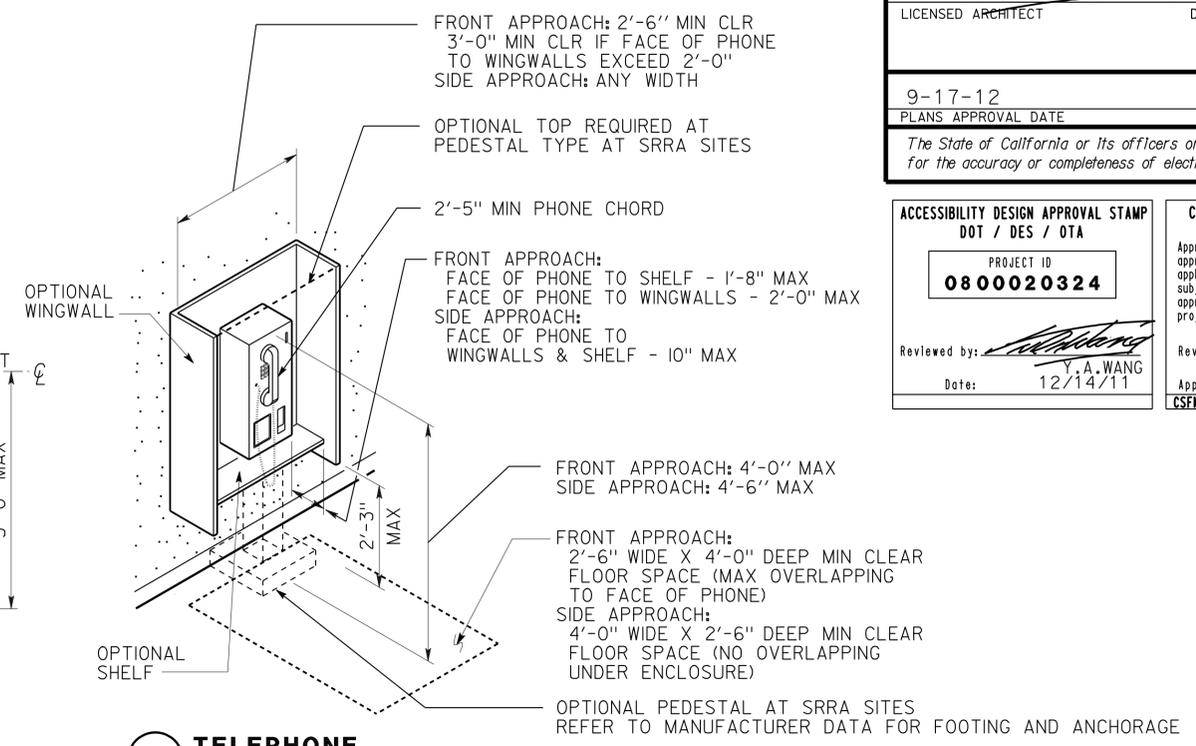
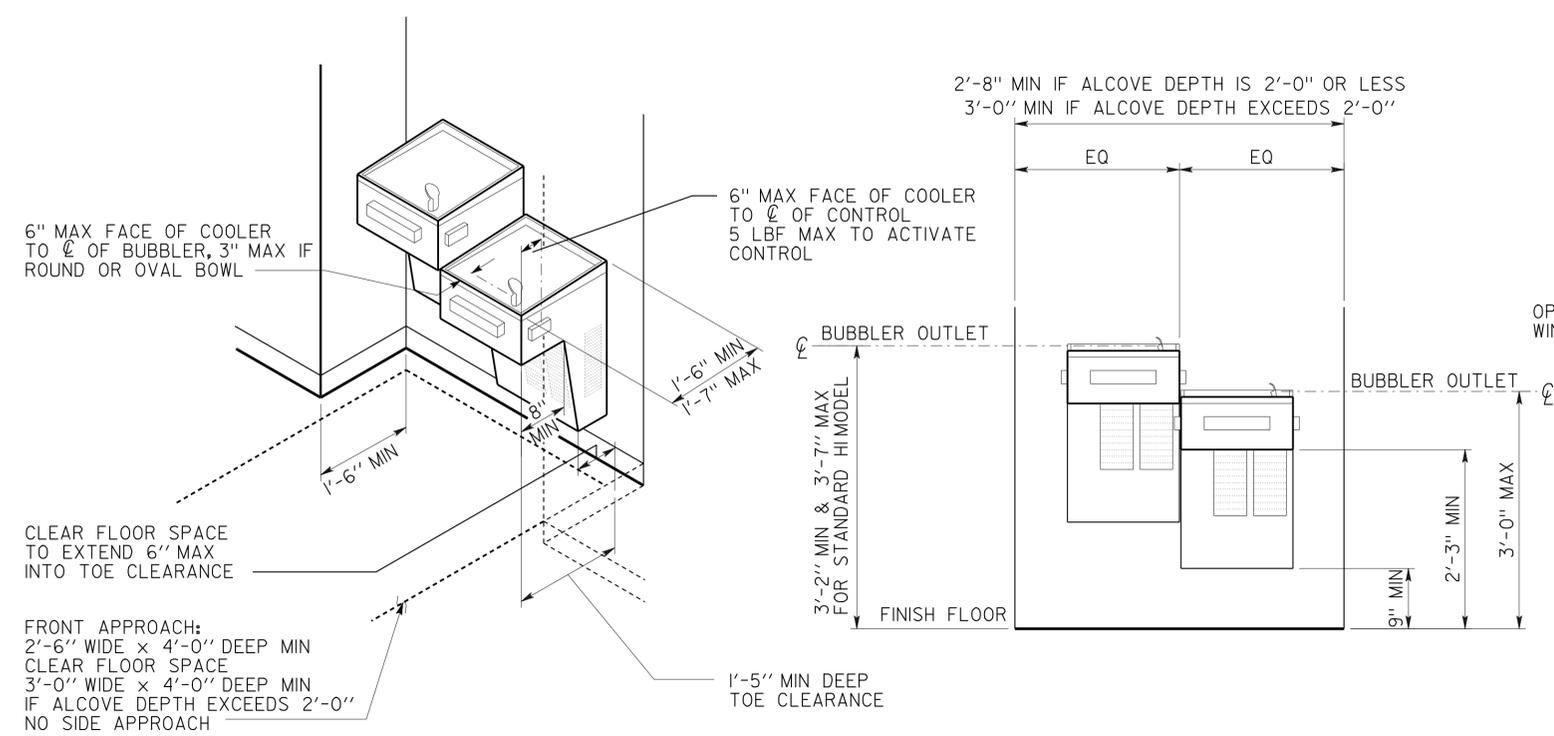


7 ELECTRIC WATER COOLER
IN LIEU OF GRAB BARS, OTHER TYPES OF WING WALLS MAY BE USED
DIMENSIONS AT FRONT ELEVATION MAY VARY - SEE PLAN

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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FILE NO. 11-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>Y.A. Wang</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		56M5728		ACCESSIBILITY ACCESSIBILITY STANDARD DETAILS		A0-3.4			
DRAWING DATE 11-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	PROJECT NUMBER & PHASE 0800020324-1		UNIT 3595		POST MILE NA		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
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TAEMWW Imper1al Rev. 7/10				20-SEP-2012 11:31				EA 499801				20-SEP-2012 11:31			

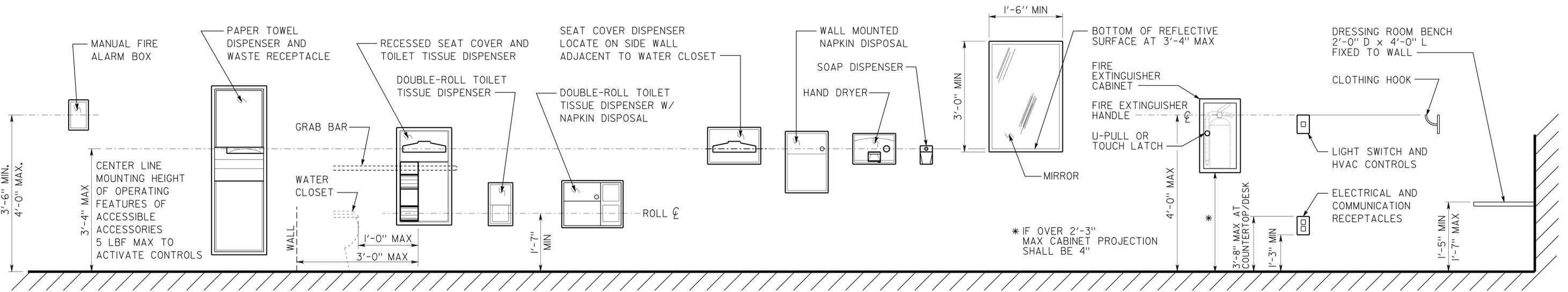


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by:  Y.A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSFM File No. 01-33-11-0030-009
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1 ELECTRIC WATER COOLER AT ALCOVE

FIXTURE TYPE MAY VARY
 WIDTH OF ALCOVE MAY VARY
 TWO FIXTURES WITH SEPARATE MOUNTING HEIGHTS MAY BE INSTALLED AT SEPARATE LOCATIONS.

2 TELEPHONE



3 ACCESSORIES

DETAILS
 NO SCALE UNLESS OTHERWISE NOTED

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

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 56M5728		BANNING MAINTENANCE STATION		SHEET A0-3.5	
FILE NO. 11-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 0800020324-1		POST MILE NA		ACCESSIBILITY ACCESSIBILITY STANDARD DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)	
DATE 11-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT 3595		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
a0_03_5.dgn				20-SEP-2012 11:32		EA 499801		03-18-11				20-SEP-2012 11:32	

FINISH SCHEDULE													
FINISHES	FLOOR	WALLS				CLG	HEIGHT	REMARKS					
		NORTH	EAST	SOUTH	WEST								
A. NO JOB FINISH B. PAINT C. CONCRETE SEALER AND HARDENER	CONCRETE	INSULATED METAL PANEL 5/8" GYPSUM BD 1/2" GLASS-MAT FACED BD FIBERGLASS REINFORCED PLASTIC PANEL	INSULATED METAL PANEL 5/8" GYPSUM BD 1/2" GLASS-MAT FACED BD FIBERGLASS REINFORCED PLASTIC PANEL	INSULATED METAL PANEL 5/8" GYPSUM BD 1/2" GLASS-MAT FACED BD FIBERGLASS REINFORCED PLASTIC PANEL	INSULATED METAL PANEL 5/8" GYPSUM BD 1/2" GLASS-MAT FACED BD FIBERGLASS REINFORCED PLASTIC PANEL	WSCT INSULATED METAL PANEL 5/8" GYPSUM BD							
ROOM NUMBER/ NAME													
WAREHOUSE/ SHOP													
100 ELEC WAREHOUSE	C	A		B	A		A	B A	VARIES				
101 ELEC SHOP/ STORAGE	A		B		A		B	B A	VARIES				
102 RESTROOM	A		A A		A A		A A	B	VARIES				
103 RESTROOM	A		A A		A A		A A	B	VARIES				
104 SIGN SHOP/ STORAGE	A	A		B		B	B	B A	VARIES				
105 SIGN WAREHOUSE	C	A		A		A	B	B A	VARIES				
106 COVERED STORAGE	C		A		A		A	B A	VARIES				

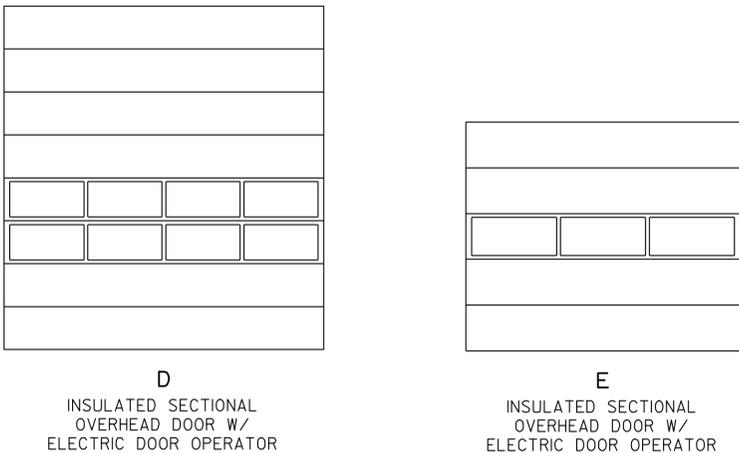
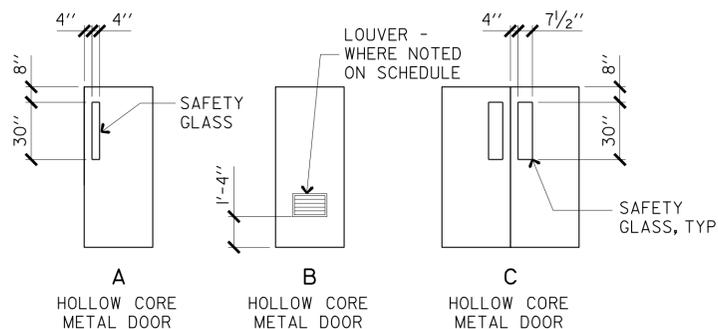
COLOR SCHEDULE

MANUFACTURERS' DESIGNATIONS BELOW ARE INCLUDED AS EXAMPLES OF COLOR AND FINISH ONLY. OTHER MANUFACTURERS' PRODUCTS WHICH MATCH THESE PRODUCTS MAY BE SUBMITTED FOR APPROVAL.

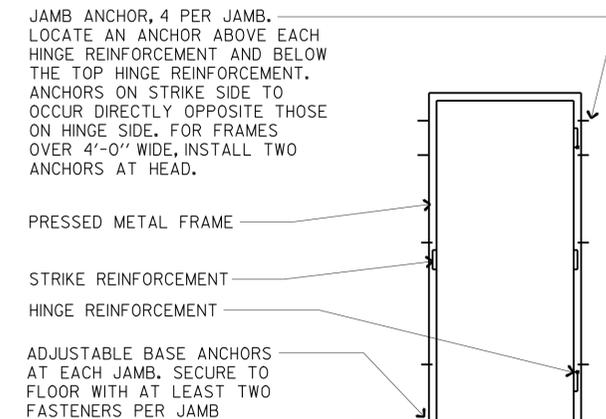
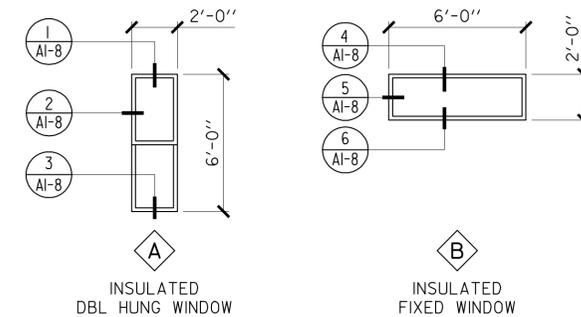
INTERIOR	EXTERIOR
1. Fiberglass Reinforced Plastic Panels FS27780	1. Insulated Metal Roof & Siding Panels FS23578
2. Gypsum Board Walls & Ceilings FS37855	2. Doors & Pressed Metal Door Frames FS34417
3. Plywood Wainscot FS37855	3. Sectional Overhead Doors FS27780
4. Hollow Metal Doors FS34417	4. Steel Angle Jamb @ Overhead Doors FS27780
5. Pressed Metal Frames FS34417	5. Aluminum Window Frames Anodized Aluminum
6. Sectional Overhead Doors FS27780	6. Metal Flashing Match Adjacent Color
7. Steel Angle Jamb @ Overhead Doors FS27780	7. Rigid Steel Frame, Girts, Purlins FS34417
8. Aluminum Window Frames Anodized Aluminum	8. Guard Posts FS13591
9. Rigid Steel Frame, Girts, Purlins FS34417	9. Bicycle Rack FS17038
10. Insulated Metal Roof & Siding Panels FS27780	
11. Plumbing Fixtures FS27780	

DOOR SCHEDULE															
DOOR NO	DOOR TYPE	OPENING SIZE WIDTH x HGT	DOOR THK	DOOR		FRAME			HDWR GROUP	LOUVER	SIGNS SHEET AO-3.3		DETAILS SHEET AI-7		
				MAT	FIN	MAT	FIN	WTH			DETAIL NO	TEXT	HEAD	JAMB	THLD
WAREHOUSE/ SHOP															
1	A	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	6"	1	--	2 & 6	EXIT	1	2	3
2	A	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	6"	2	--	2 & 6	EXIT	1	2	3
3	D	14'-0" x 15'-0"	2"	METAL	PAINT	--	--	--	--	--	--	--	7	8	9
4	D	14'-0" x 15'-0"	2"	METAL	PAINT	--	--	--	--	--	--	--	7	8	9
5	E	12'-0" x 10'-0"	2"	METAL	PAINT	--	--	--	--	--	--	--	7	8	9
6	C	2-3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	8 1/4"	3	--	1	104	4	5	6
7	B	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	8 1/4"	4	12" x 18"	3A/4A	UNISEX	4	5	6
8	B	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	8 1/4"	4	12" x 18"	3A/4A	UNISEX	4	5	6
9	C	2-3'-0" x 7'-0"	1 3/4"	METAL	PAINT	PMF	PAINT	8 1/4"	3	--	1	101	4	5	6

DOOR SCHEDULE



WINDOW SCHEDULE



1 FRAME ANCHORS
NO SCALE

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		18	77

9-17-12
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
0800020324

Reviewed by: *[Signature]*
Y. A. WANG
Date: 12/14/11

CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission 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
Approval date: 11-08-11
CSFW File No. 01-33-11-0030-009

DESIGN	BY MICHELE MARSON	CHECKED <i>[Signature]</i>
DETAILS	BY MICHELE MARSON	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

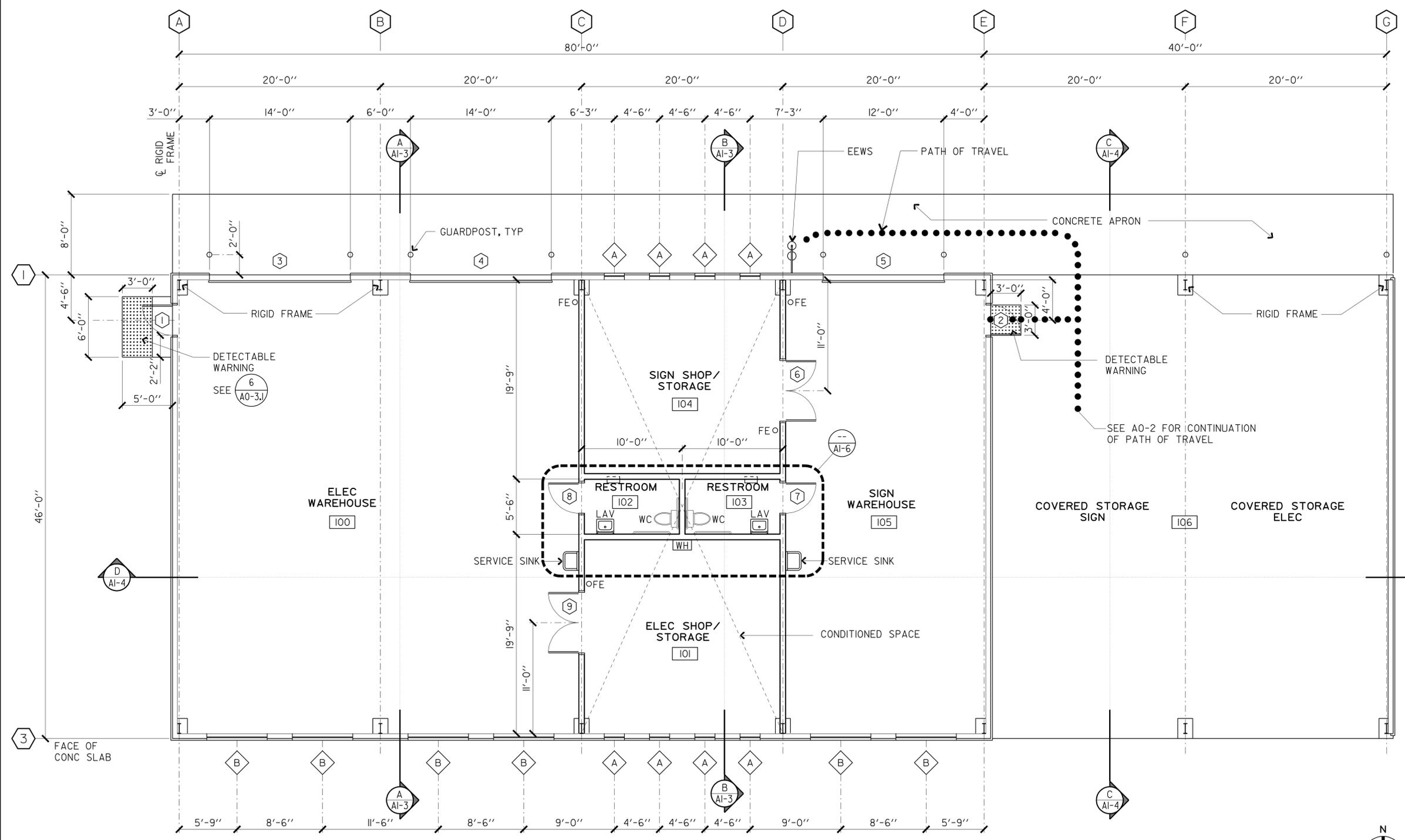
BRIDGE NO. 56M5728
POST MILE NA

BANNING MAINTENANCE STATION		SHEET
DOOR AND WINDOW SCHEDULE/ COLOR AND FINISH SCHEDULE		A0-4
REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	X X

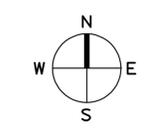
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		19	77

9-17-12
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission 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: <i>[Signature]</i> FRANCIS SOLICH Approval date: 11-08-11 CSFW File No. 01-33-11-0030-009
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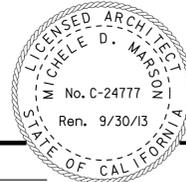


FLOOR PLAN
 SCALE 3/16" = 1'-0"

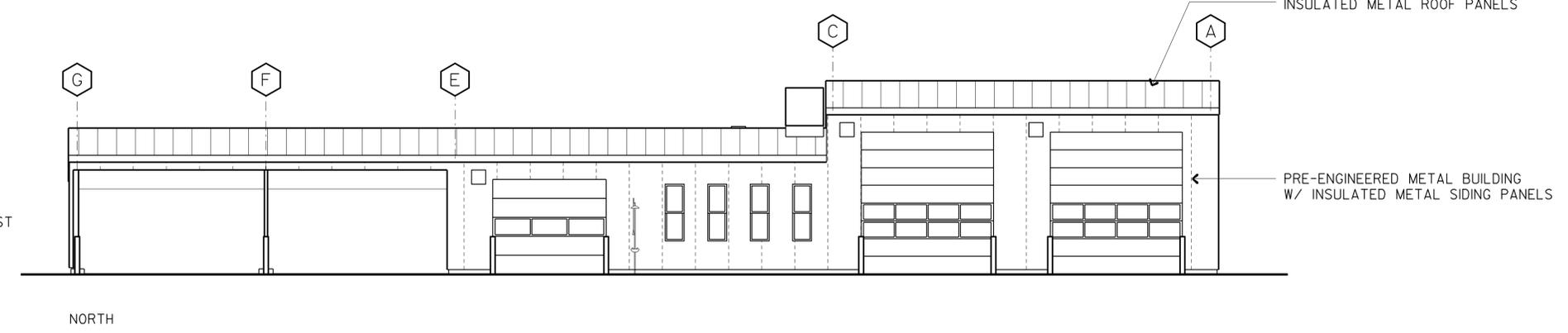
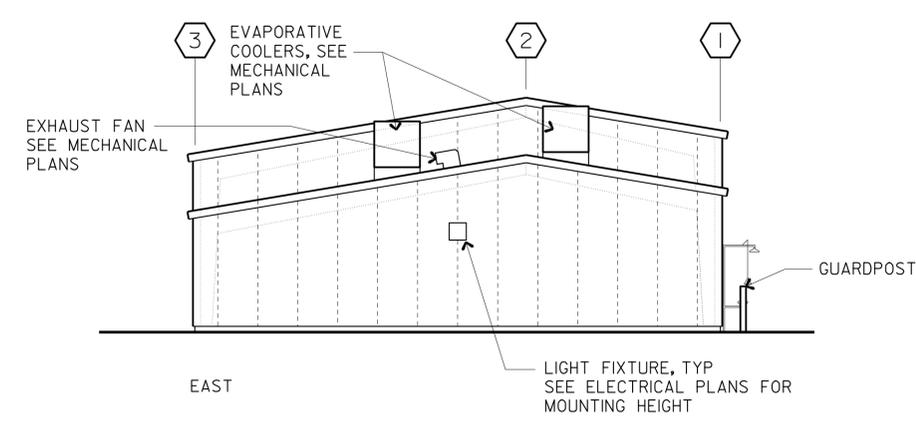
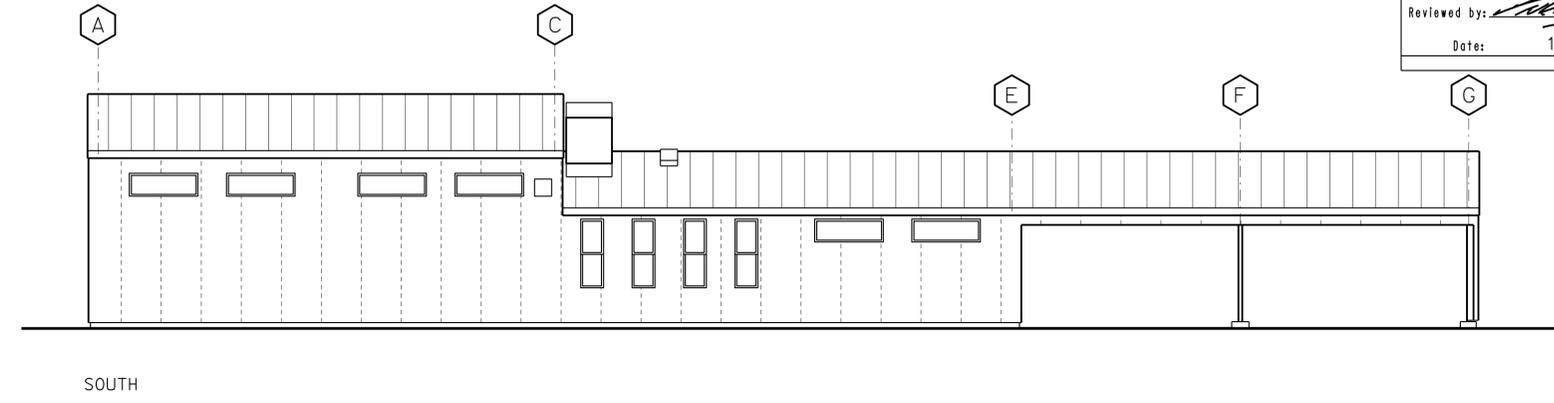
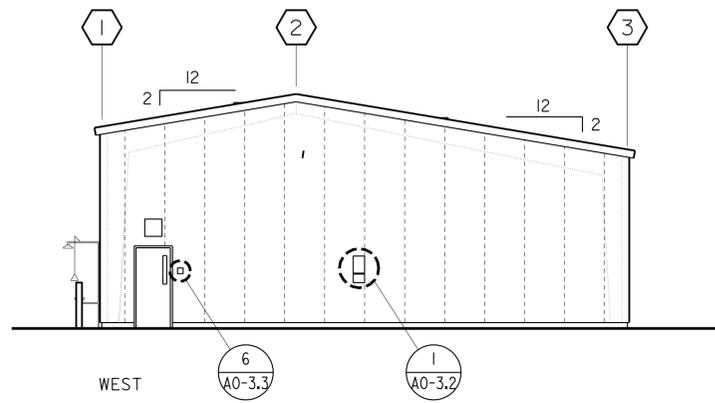


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	DETAILS BY MICHELE MARSON CHECKED <i>[Signature]</i>			POST MILE NA	WAREHOUSE SHOP	FLOOR PLAN	
QUANTITIES BY MICHELE MARSON CHECKED <i>[Signature]</i>		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3595 0800020324-1 EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES 03-18-11 XX-XX-XX		REVISION DATES (PRELIMINARY STAGE ONLY) SHEET OF X X	

20-SEP-2012 11:32

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		20	77
 LICENSED ARCHITECT			09/15/11 DATE		
9-17-12 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.					

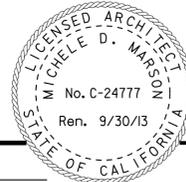
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by:  Y.A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSEF File No. 01-33-11-0030-009
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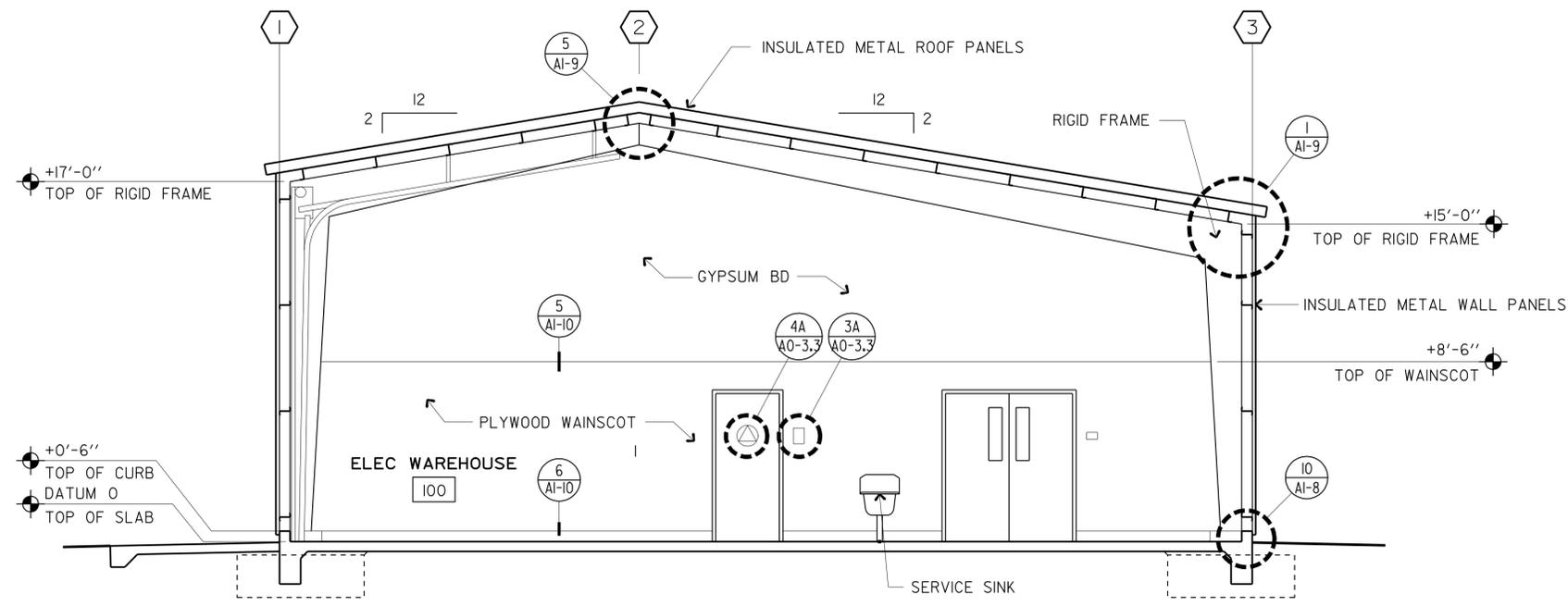


EXTERIOR ELEVATIONS
SCALE 1/8"=1'-0"

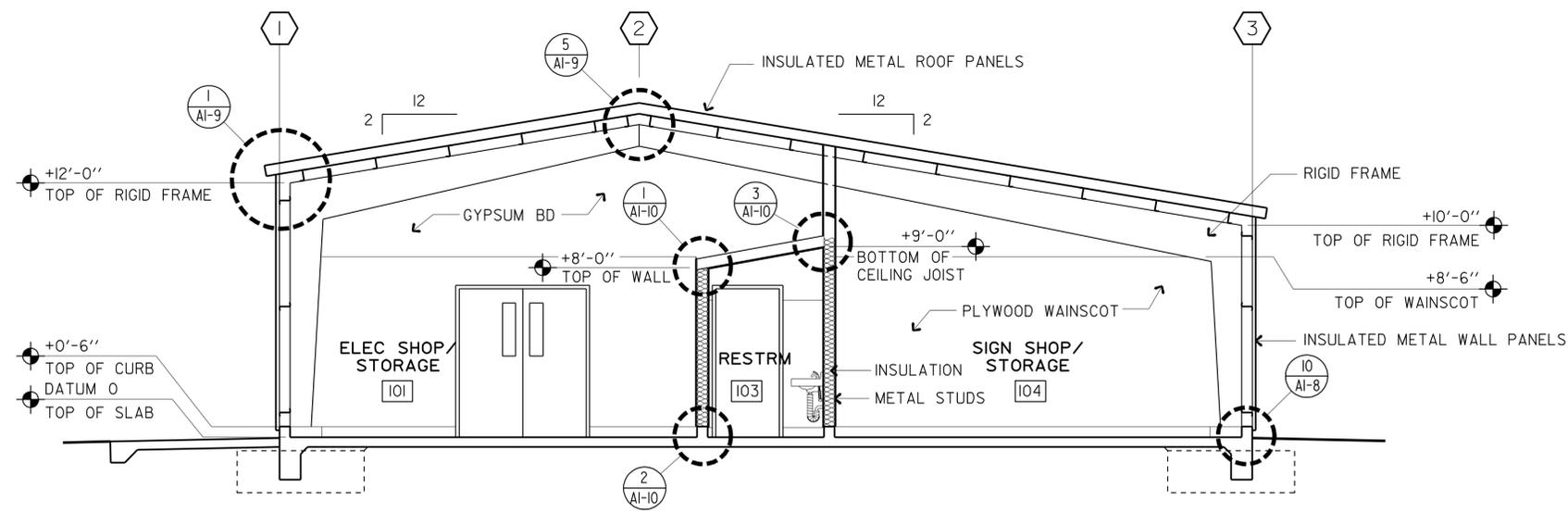
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	DETAILS BY MICHELE MARSON	CHECKED 			POST MILE NA		
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-18-11 XX-XX-XX	SHEET OF X X

20-SEP-2012 11:32

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		21	77
 LICENSED ARCHITECT			09/15/11 DATE		
9-17-12 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 SECTION
SCALE 1/4"=1'-0"



B SECTION
SCALE 1/4"=1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324		CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission 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:  Y. A. WANG Date: 12/14/11	Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSEW File No. 01-33-11-0030-009	

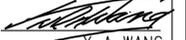
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	DETAILS BY MICHELE MARSON	CHECKED 		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE NA	WAREHOUSE SHOP	BUILDING SECTIONS	
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3595 0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X
			0 1 2 3	EA 499801	03-18-11 XX-XX-XX			

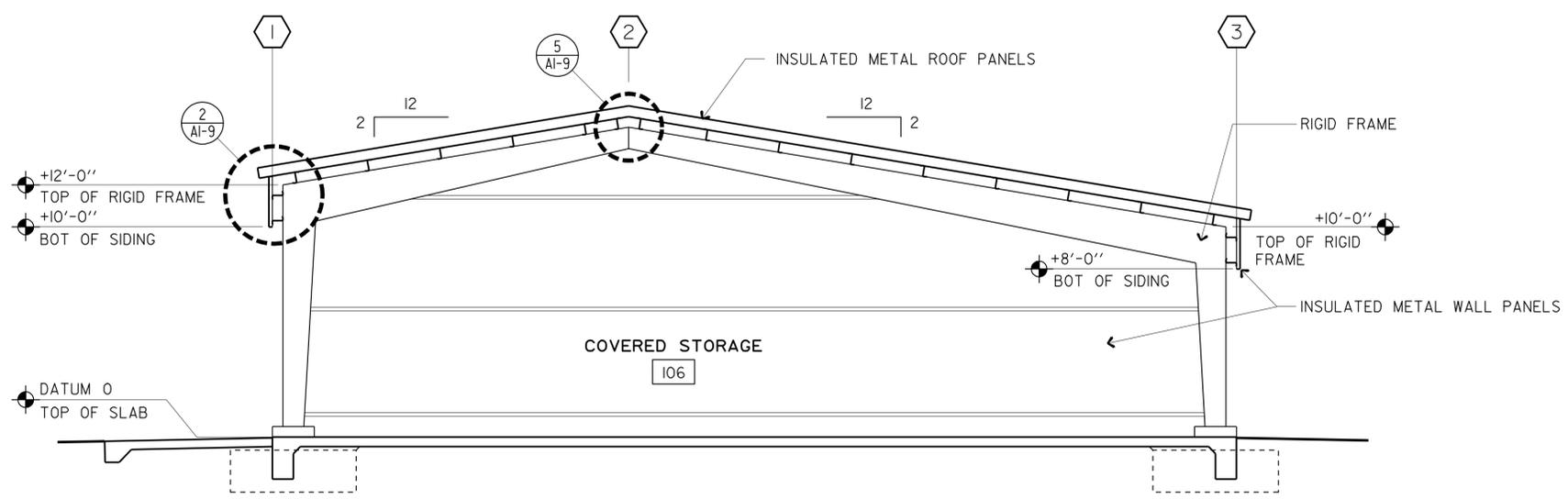
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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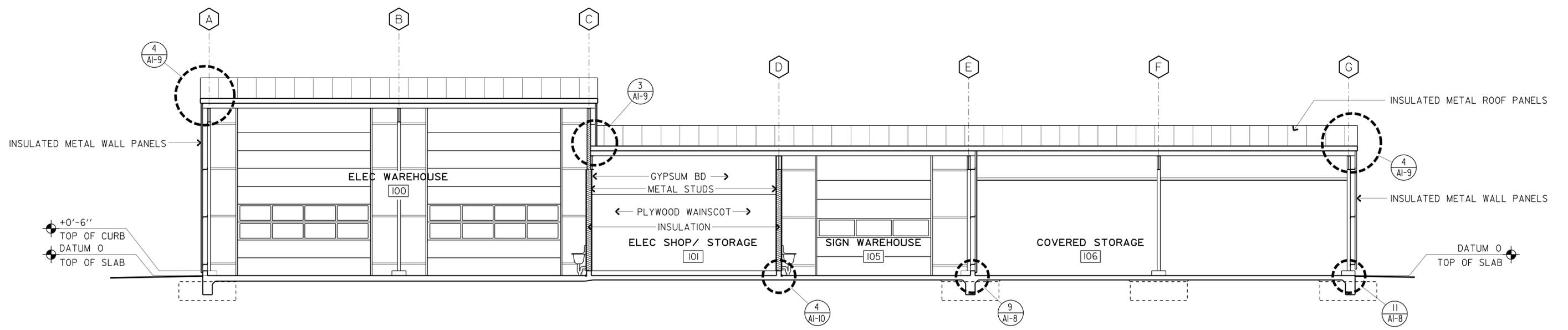

 LICENSED ARCHITECT DATE 09/15/11
 No. C-24777
 Ren. 9/30/13
 STATE OF CALIFORNIA

9-17-12
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by:  Y. A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission 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 Approval date: 11-08-11 CSEW File No. 01-33-11-0030-009
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C SECTION
SCALE 1/4"=1'-0"



D SECTION
SCALE 3/16"=1'-0"

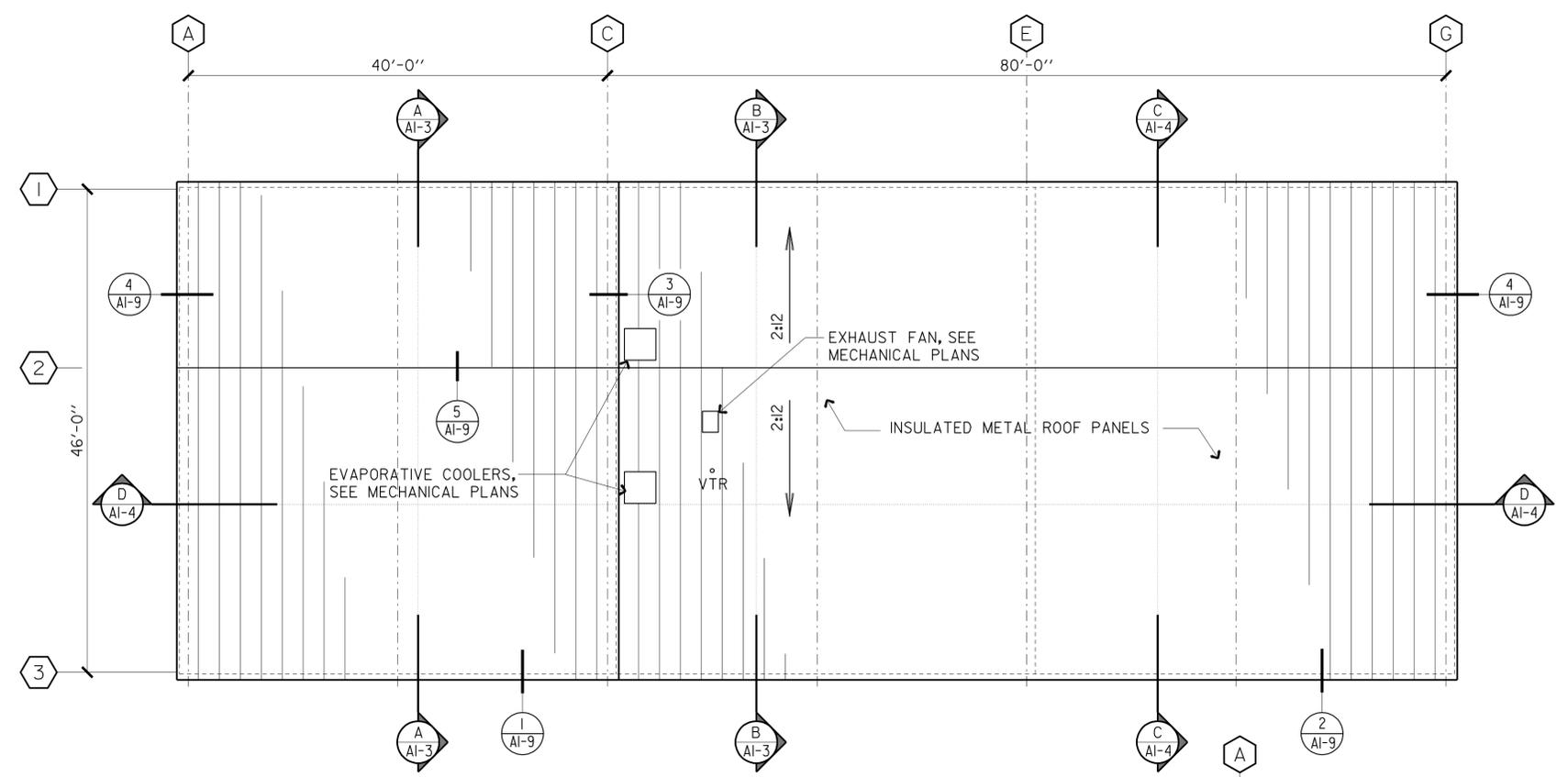
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	DETAILS BY MICHELE MARSON	CHECKED 		PROJECT NUMBER & PHASE 0800020324-1	POST MILE NA	WAREHOUSE SHOP	BUILDING SECTIONS	
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES 03-18-11 XX-XX-XX	SHEET OF X X		20-SEP-2012 11:32

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		23	77

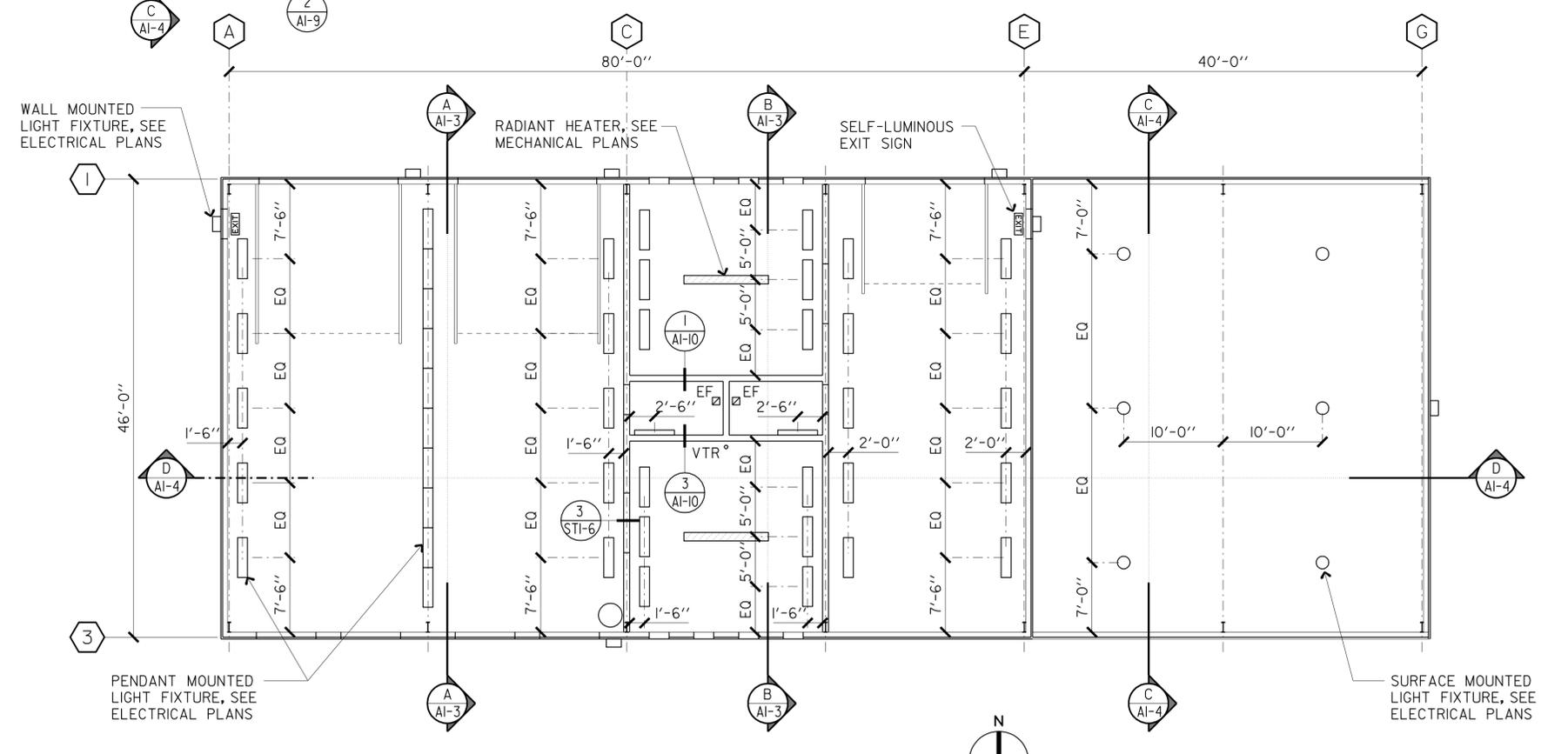
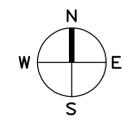

 LICENSED ARCHITECT DATE 09/15/11
 PROJECT ID: 9-17-12
 PLANS APPROVAL DATE: 11-08-11
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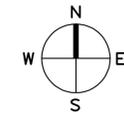
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by:  Y. A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSFW File No. 01-33-11-0030-009
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ROOF PLAN
SCALE 1/8"=1'-0"



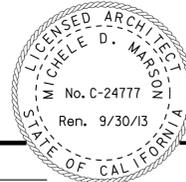
REFLECTED CEILING PLAN
SCALE 1/8"=1'-0"



a1_05.dgn TAEMWW Imper1al Rev. 7/10 20-SEP-2012 11:32	DESIGN BY MICHELE MARSON CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5728 POST MILE NA	BANNING MAINTENANCE STATION WAREHOUSE SHOP		SHEET A1-5
	DETAILS BY MICHELE MARSON CHECKED 		QUANTITIES BY CHECKED	UNIT 3595 PROJECT NUMBER & PHASE 0800020324-1 EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-18-11 XX-XX-XX	SHEET OF X X

20-SEP-2012 11:32 a1_05.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		24	77

 09/15/11
 LICENSED ARCHITECT DATE


9-17-12
 PLANS APPROVAL DATE
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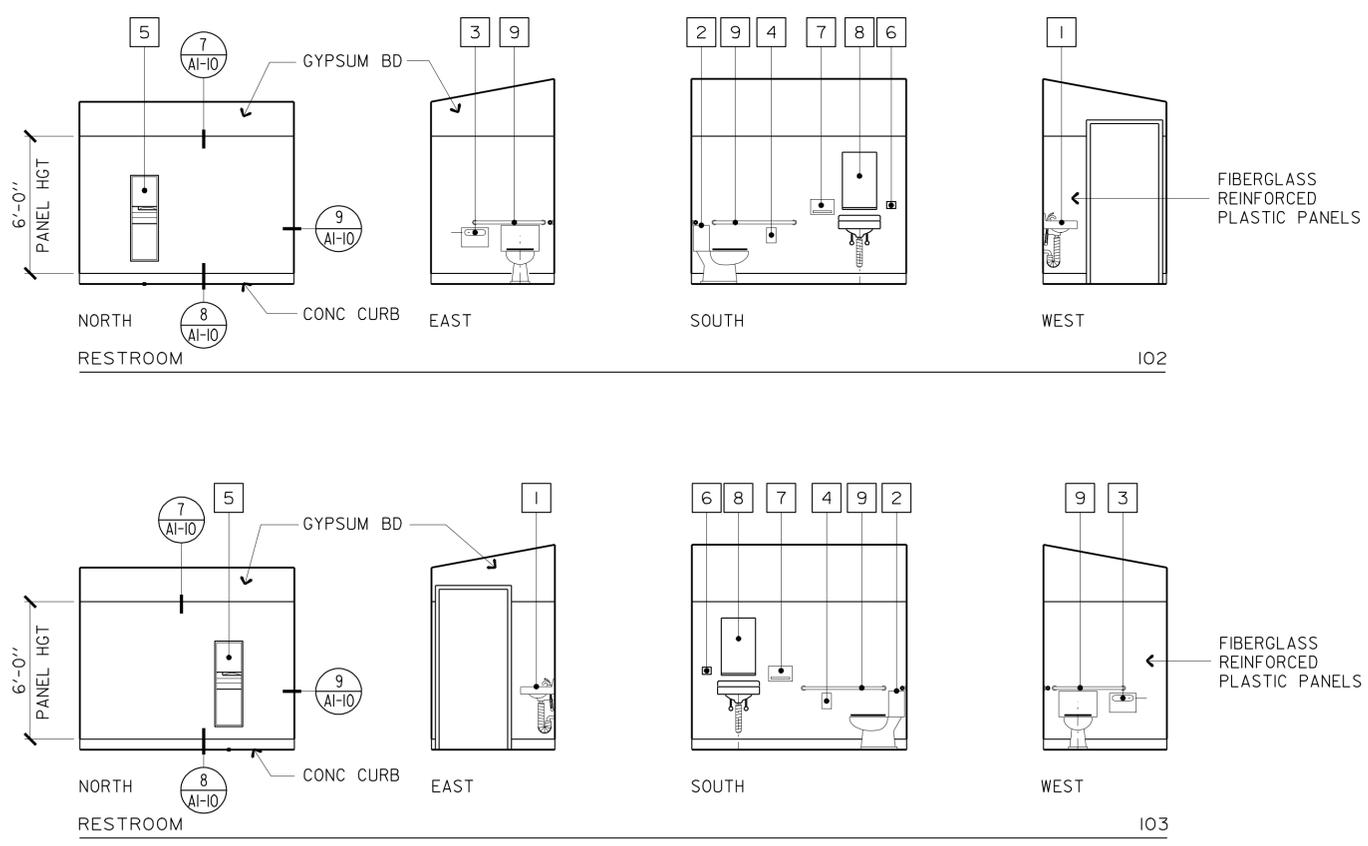
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Y. A. WANG Date: 12/14/11	Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSEW File No. 01-33-11-0030-009

KEY NOTES

- 1 LAVATORY 
- 2 WATER CLOSET  
- 3 SEAT COVER DISPENSER
- 4 TOILET TISSUE DISPENSER
- 5 PAPER TOWEL/ WASTE COMBO
- 6 SOAP DISPENSER
- 7 PAPER TOWEL DISPENSER
- 8 18" x 30" MIRROR
- 9 GRAB BAR 

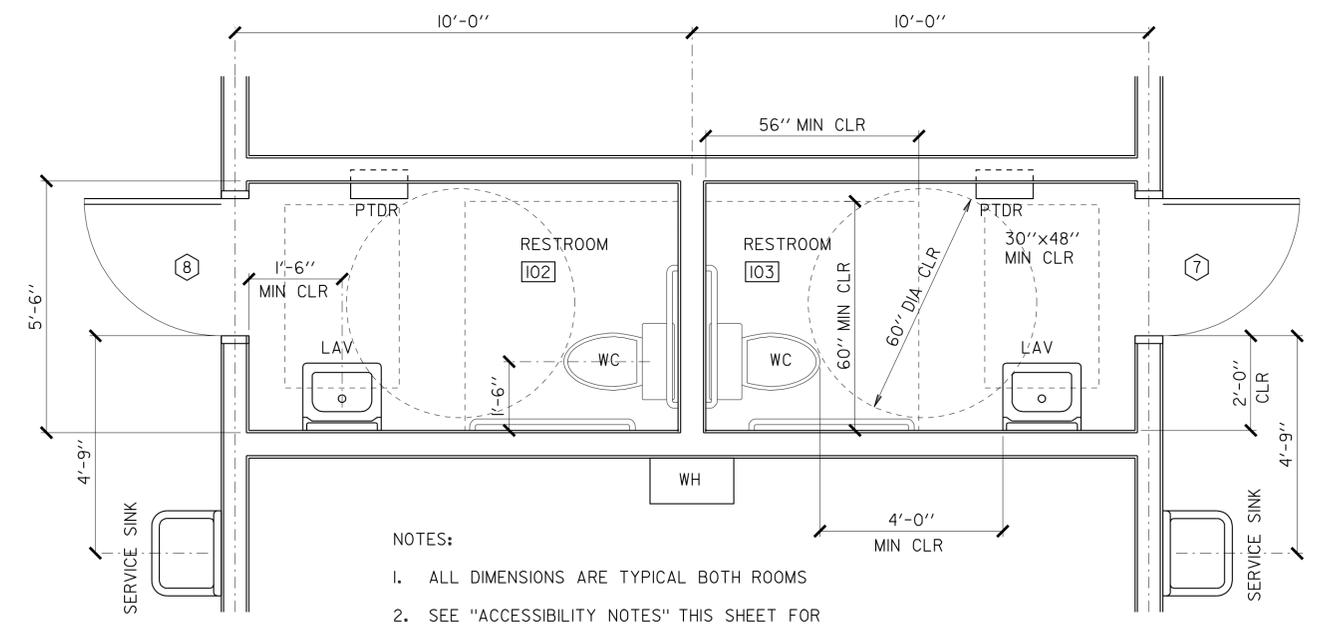
ACCESSIBILITY NOTES:

1. FOR ADDITIONAL NOTES AND DIMENSIONS, SEE SHEETS A0-3.3, A0-3.4, A0-3.5
2. FOR ACCESSORY HEIGHTS NOT SHOWN ON INTERIOR ELEVATIONS, SEE DETAIL 3/A0-3.5
3. DETAILS SHOWN IN KEY NOTES APPLY TO ACCESSIBLE FIXTURES ONLY
4. DETAILS ON SHTS A0-3.4/A0-3.5, ARE GENERIC FOR ACTUAL FIXTURE STYLE AND PLUMBING SEE SPECIAL PROVISIONS AND PROJECT SPECIFIC PLANS



INTERIOR ELEVATIONS

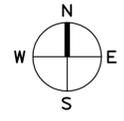
SCALE 1/4"=1'-0"



- NOTES:
1. ALL DIMENSIONS ARE TYPICAL BOTH ROOMS
 2. SEE "ACCESSIBILITY NOTES" THIS SHEET FOR ADDITIONAL INFORMATION

ENLARGED FLOOR PLAN

SCALE 1/2"=1'-0"



DESIGN	BY MICHELE MARSON	CHECKED 
DETAILS	BY MICHELE MARSON	CHECKED 
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728
POST MILE	NA

BANNING MAINTENANCE STATION
 WAREHOUSE SHOP
 ENLARGED FLOOR PLAN INTERIOR ELEVATIONS

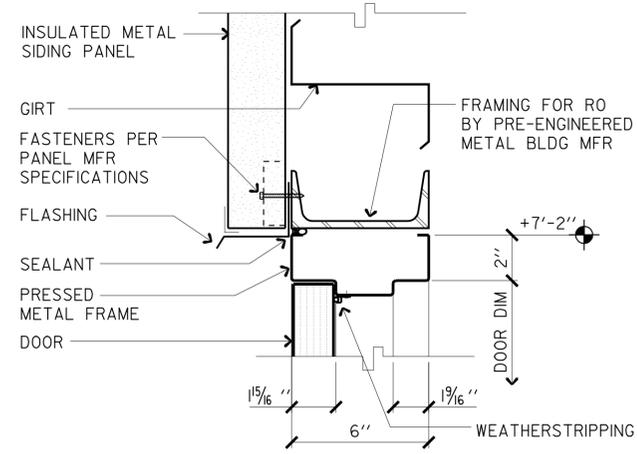
SHEET OF
A1-6

20-SEP-2012 11:32

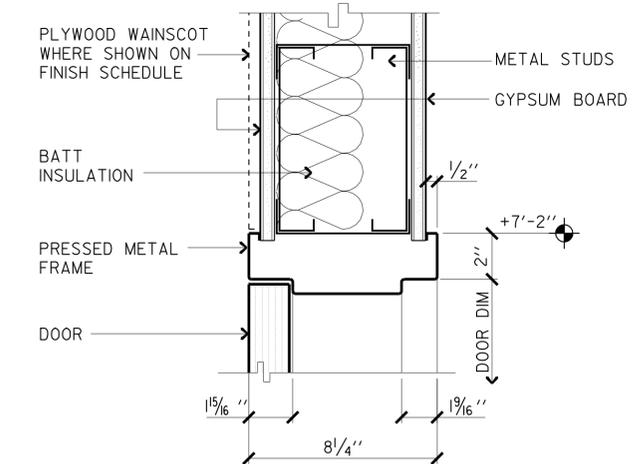
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		25	77

09/15/11 DATE
 LICENSED ARCHITECT
 MICHELE D. MARSON
 No. C-24777
 Ren. 9/30/13
 STATE OF CALIFORNIA

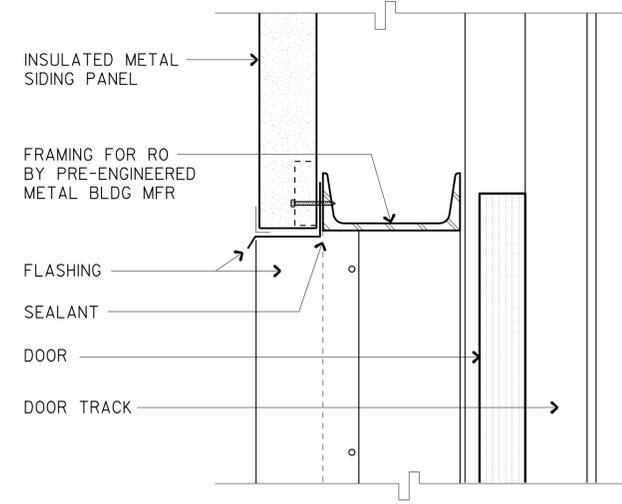
9-17-12
 PLANS APPROVAL DATE
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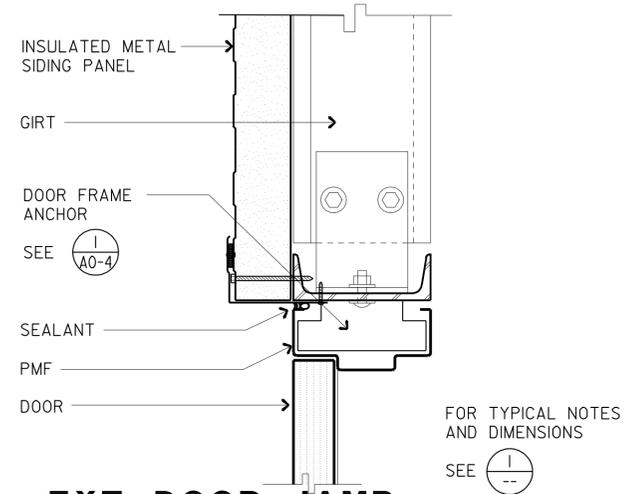
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SCALE 3"=1'-0"



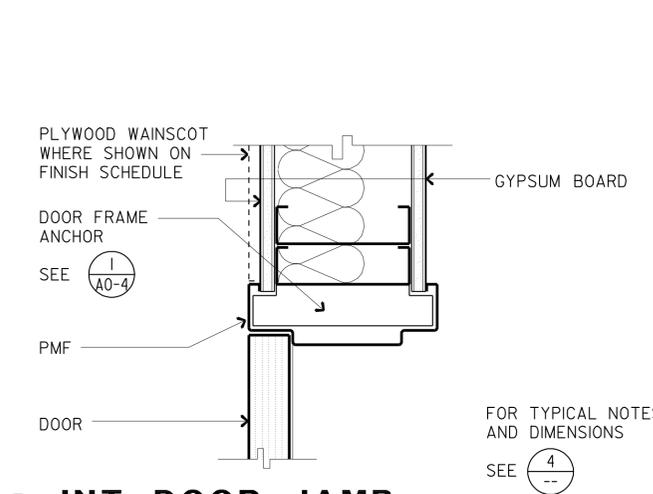
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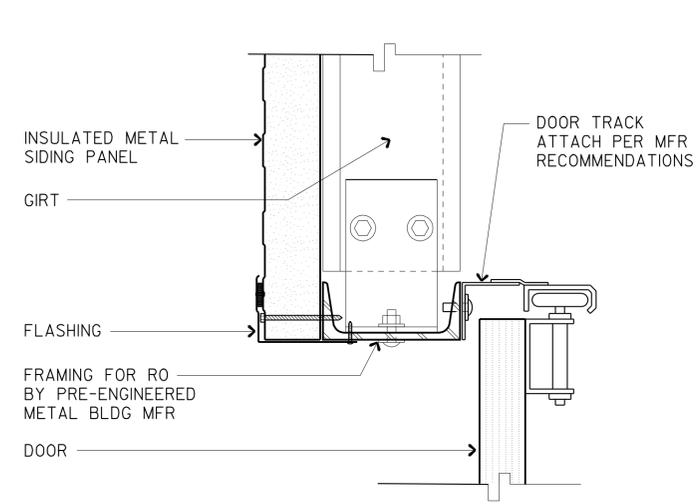
7 OVERHEAD DOOR HEAD
SCALE 3"=1'-0"



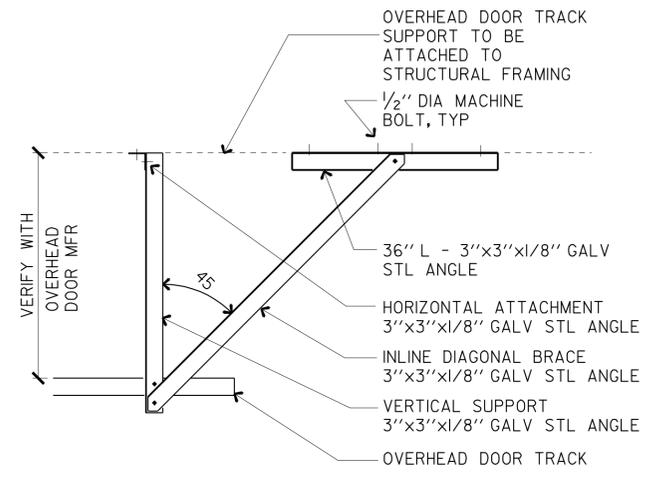
2 EXT DOOR JAMB
SCALE 3"=1'-0"



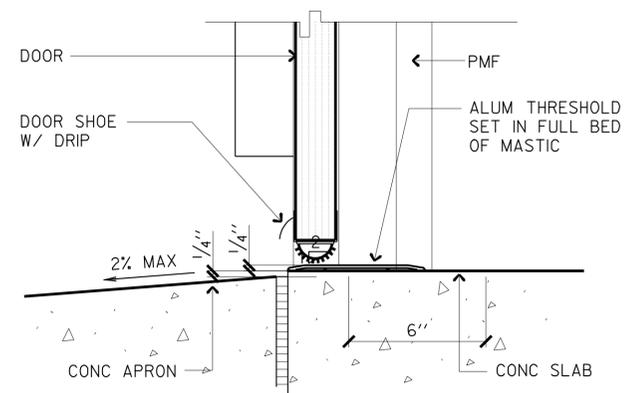
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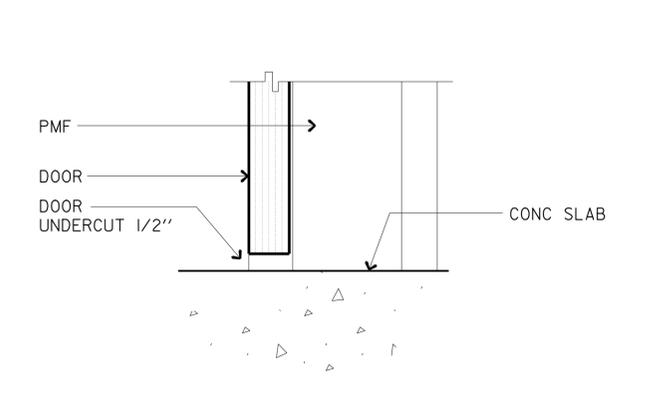
8 OVERHEAD DOOR JAMB
SCALE 3"=1'-0"



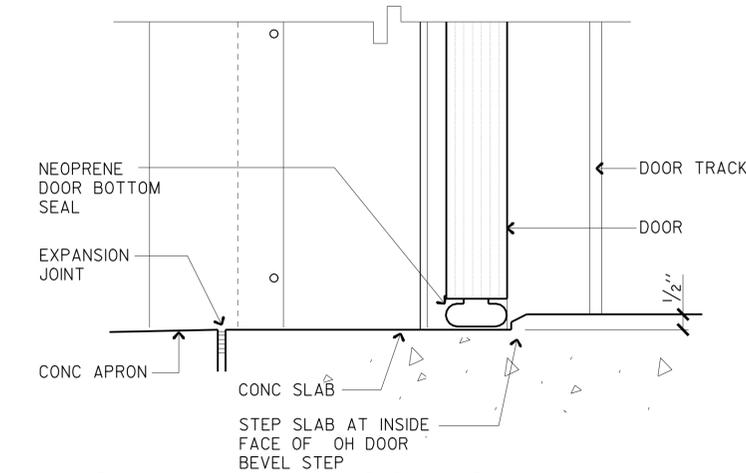
10 OVERHEAD DOOR BRACE
SCALE 3/4"=1'-0"



3 EXT DOOR SILL
SCALE 3"=1'-0"



6 INT DOOR SILL
SCALE 3"=1'-0"



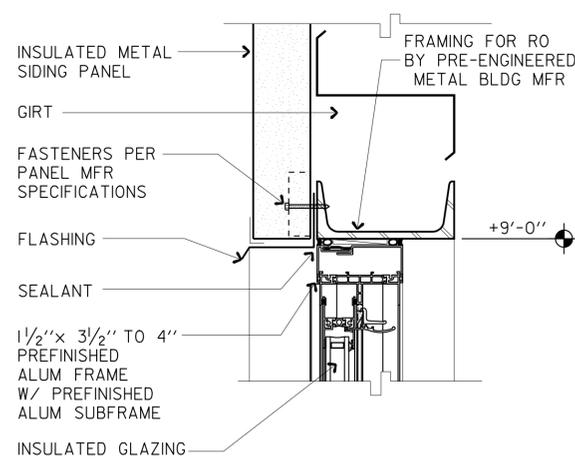
9 OVERHEAD DOOR SILL
SCALE 4"=1'-0"

NOTE:
FLASHING, TRIM, AND ATTACHMENTS AT INSULATED ROOFING AND SIDING PANELS ARE SHOWN FOR REFERENCE ONLY. ALL PANELS ARE TO BE INSTALLED PER THE PANEL MANUFACTURER'S SPECIFICATIONS.

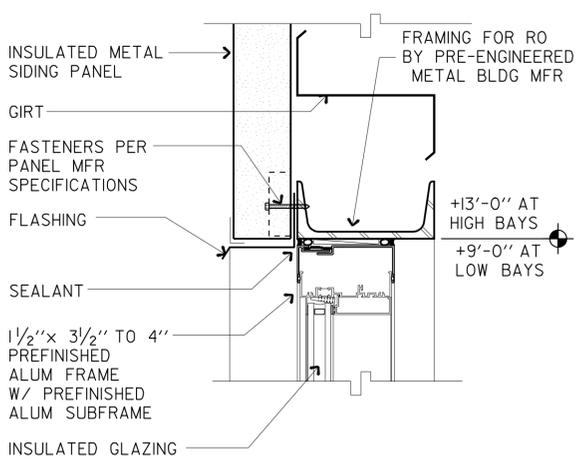
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	DETAILS BY MICHELE MARSON CHECKED <i>Michele Marson</i>		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3595 0800020324-1 EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

20-SEP-2012 11:32 a1_07.dgn

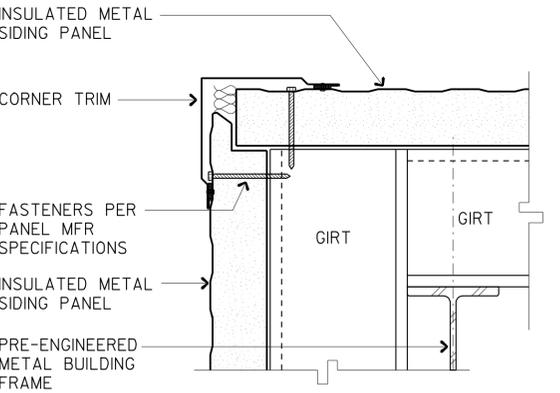
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9-17-12 PLANS APPROVAL DATE					
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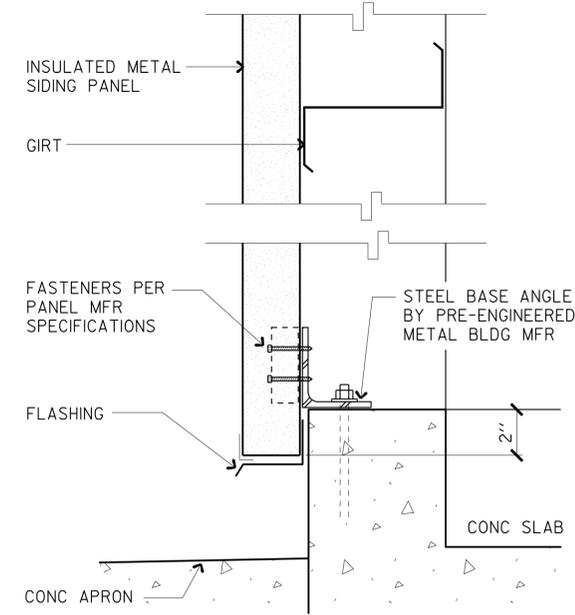
1 WINDOW HEAD
SCALE 3"=1'-0" DBL HUNG



4 WINDOW HEAD
SCALE 3"=1'-0" FIXED



7 EXT WALL CORNER
SCALE 3"=1'-0"

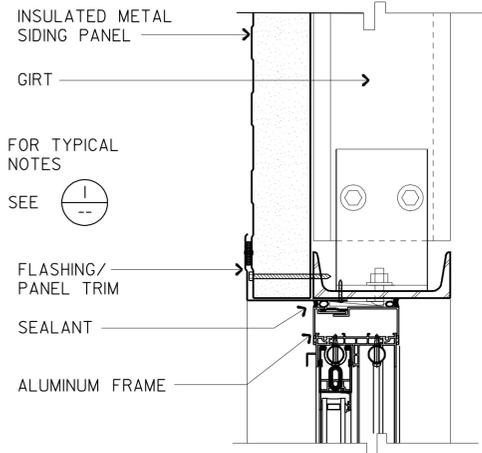


10 EXT CURB/WALL
SCALE 3"=1'-0"

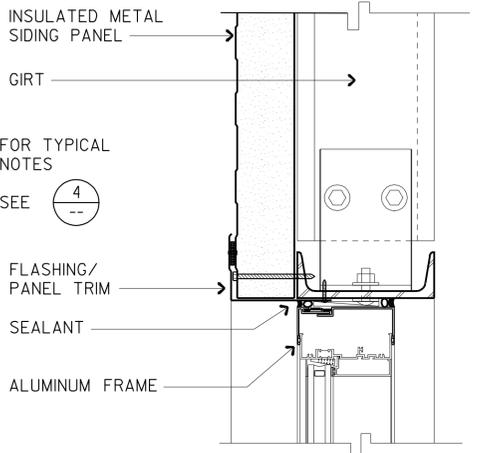
ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
0800020324
Reviewed by: 
Y. A. WANG
Date: 12/14/11

CALIFORNIA STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals are subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: 
FRANCIS SOLICH
Approval date: 11-08-11
CSFW File No. 01-33-11-0030-009

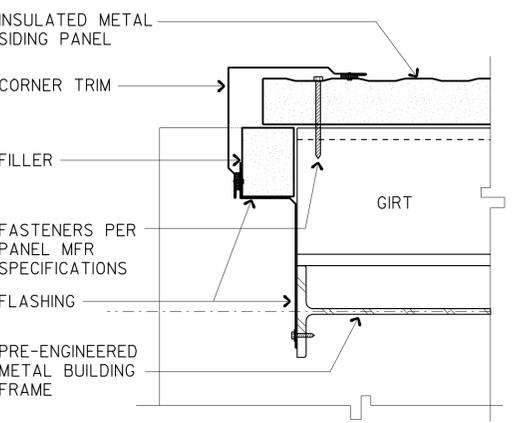
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FLASHING, TRIM, AND ATTACHMENTS AT INSULATED ROOFING AND SIDING PANELS ARE SHOWN FOR REFERENCE ONLY.
ALL PANELS ARE TO BE INSTALLED PER THE PANEL MANUFACTURER'S SPECIFICATIONS.



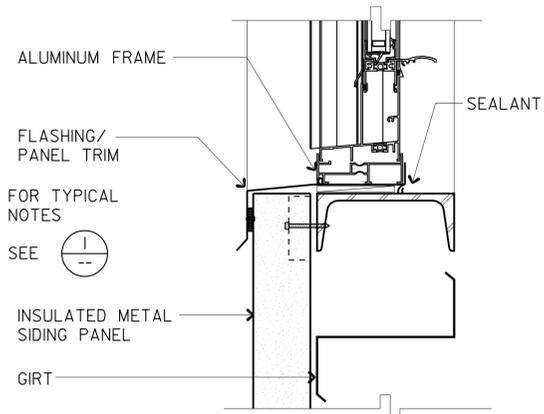
2 WINDOW JAMB
SCALE 3"=1'-0" DBL HUNG



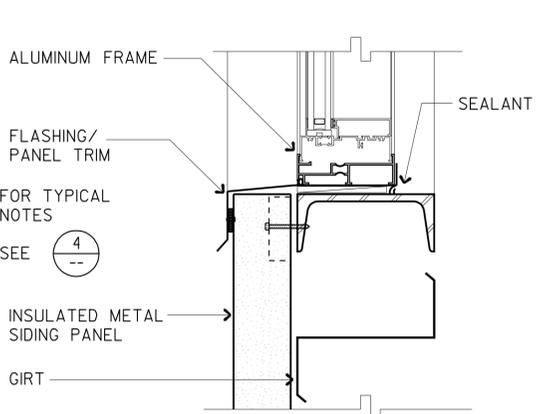
5 WINDOW JAMB
SCALE 3"=1'-0" FIXED



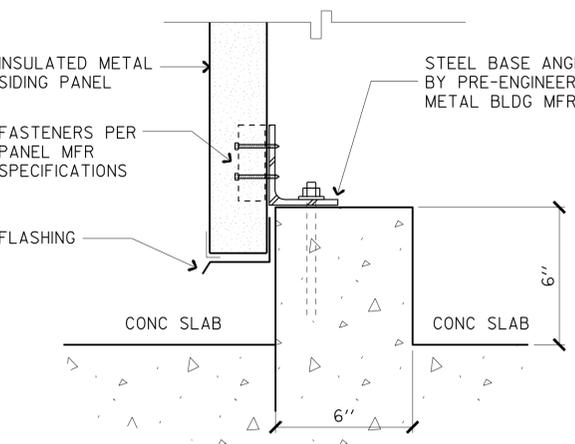
8 CORNER COVERED STORAGE
SCALE 3"=1'-0"



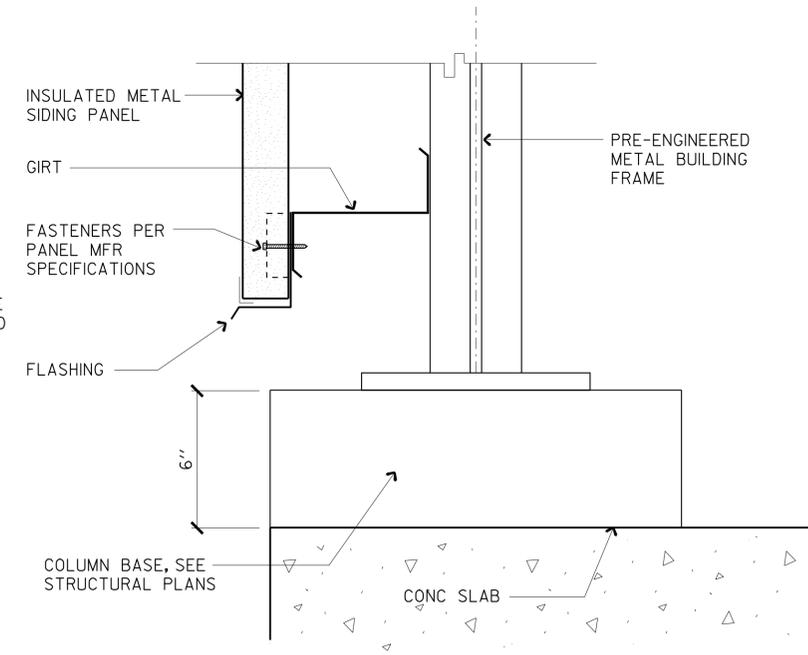
3 WINDOW SILL
SCALE 3"=1'-0" DBL HUNG



6 WINDOW SILL
SCALE 3"=1'-0" FIXED



9 CURB COVERED STORAGE
SCALE 3"=1'-0"



11 BASE COVERED STORAGE
SCALE 3"=1'-0"

a1_08.dgn TAEMWW Imper1al Rev. 7/10 20-SEP-2012 11:32	DESIGN BY MICHELE MARSON	CHECKED 	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET OF A1-8
	DETAILS BY MICHELE MARSON	CHECKED 		UNIT PROJECT NUMBER & PHASE 3595 0800020324-1	POST MILE NA	WAREHOUSE SHOP	WINDOW & EXTERIOR WALL DETAILS	
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-18-11 XX-XX-XX			

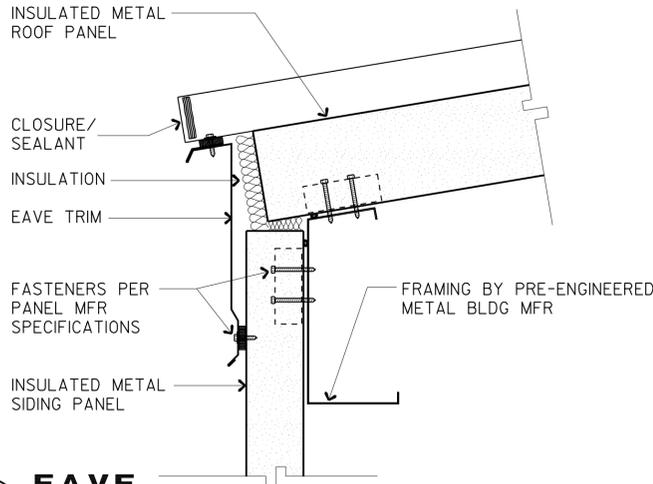
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08	Riv	5728		27	77

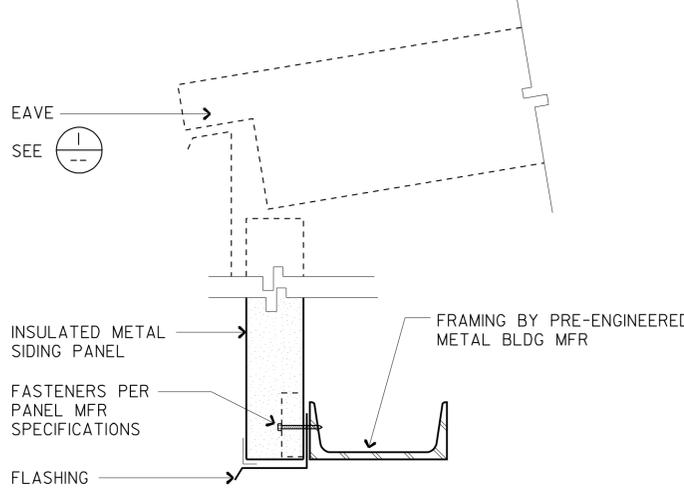

 LICENSED ARCHITECT
 DATE 09/15/11
 No. C-24777
 Ren. 9/30/13
 STATE OF CALIFORNIA

9-17-12
 PLANS APPROVAL DATE
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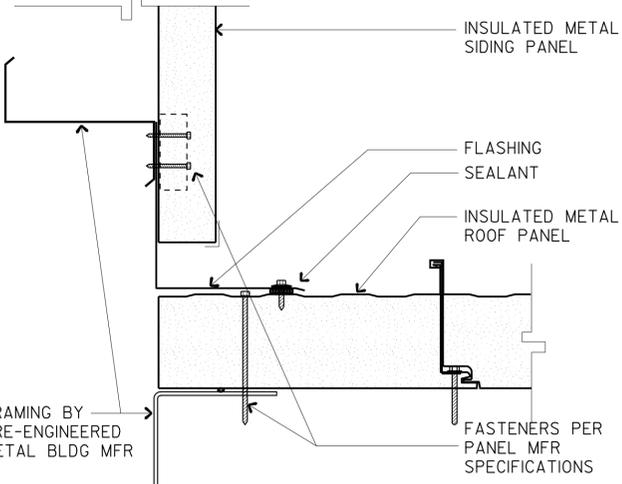
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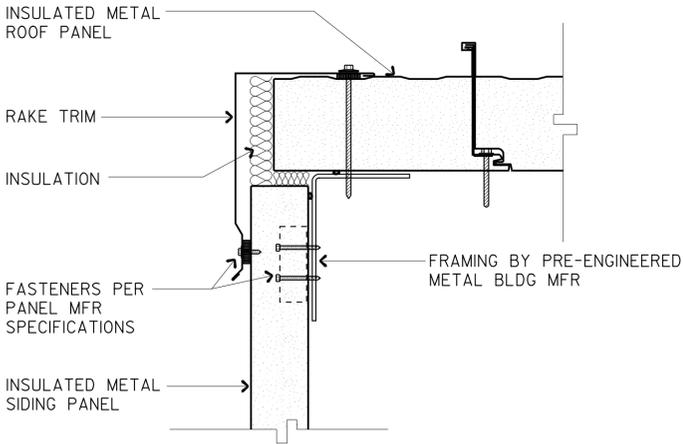
1 EAVE
SCALE 3"=1'-0"



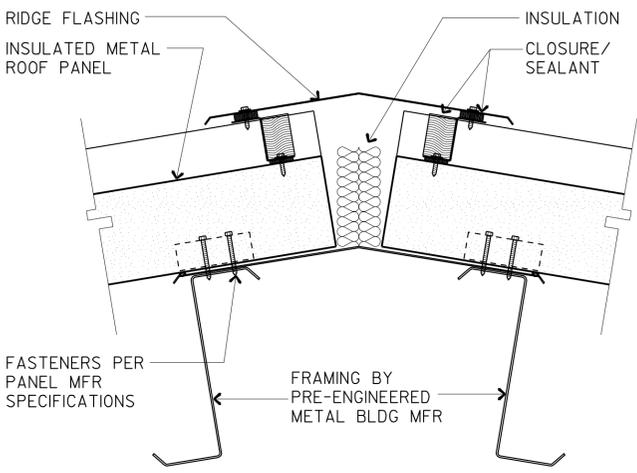
2 EAVE @ COVERED STORAGE
SCALE 3"=1'-0"



3 ROOF TO WALL
SCALE 3"=1'-0"

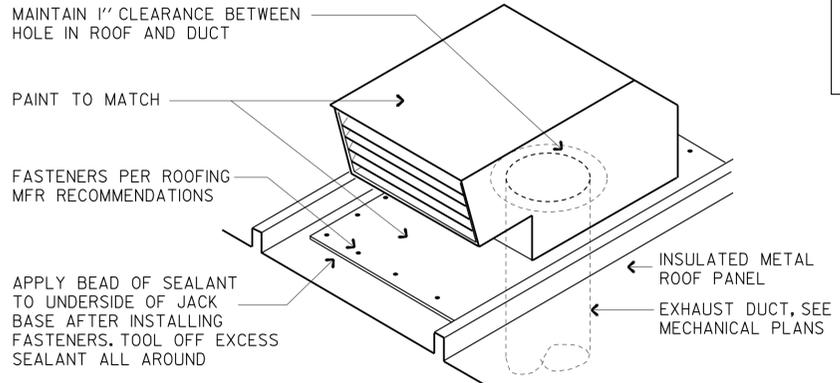


4 RAKE
SCALE 3"=1'-0"

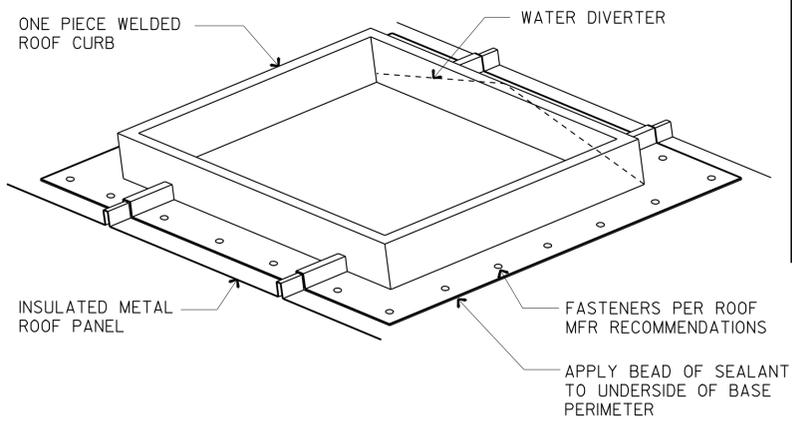


5 RIDGE
SCALE 3"=1'-0"

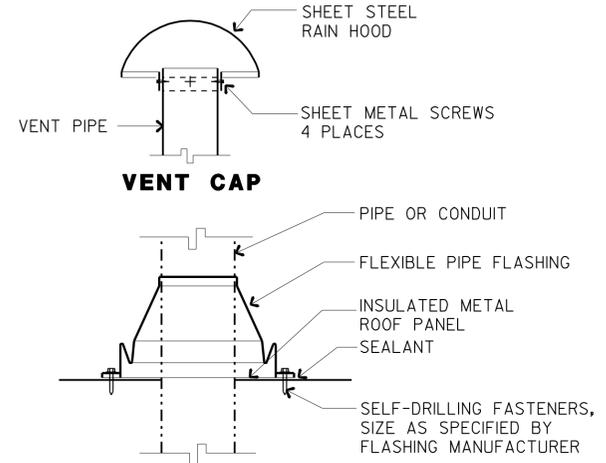
NOTE:
REFER TO MECHANICAL PLANS FOR LOCATIONS



6 EXHAUST FAN FLASHING
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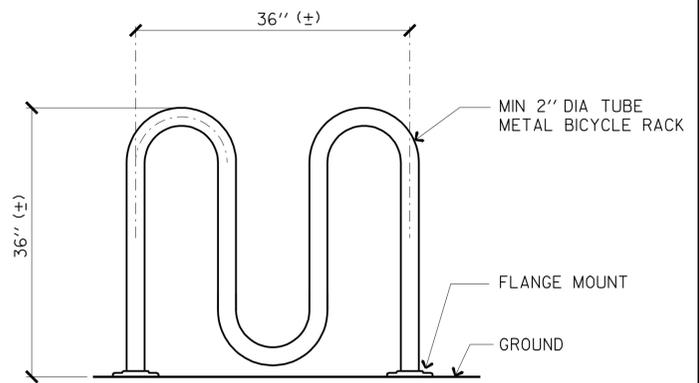


7 EQUIPMENT CURB
NO SCALE



8 VENT PIPE
NO SCALE

NOTE:
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9 BICYCLE RACK
SCALE 1"=1'-0"

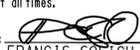
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	DETAILS BY MICHELE MARSON	CHECKED 		PROJECT NUMBER & PHASE 0800020324-1	POST MILE NA	WAREHOUSE SHOP	ROOF/ MISC DETAILS	A1-9
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

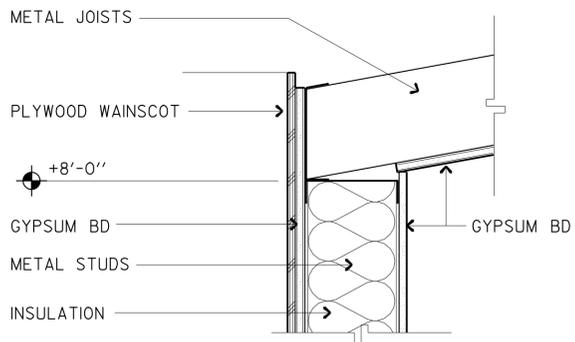
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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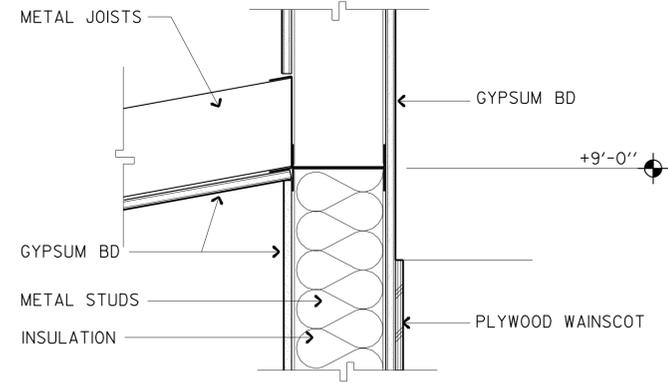

 LICENSED ARCHITECT
 DATE 09/15/11
 No. C-24777
 Ren. 9/30/13
 STATE OF CALIFORNIA

9-17-12
 PLANS APPROVAL DATE
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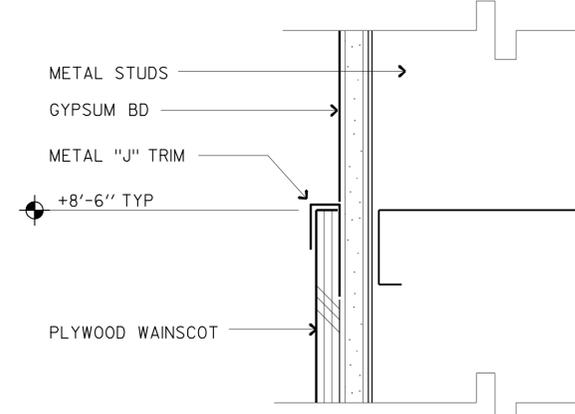
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0800020324 Reviewed by:  Y.A. WANG Date: 12/14/11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSEW File No. 01-33-11-0030-009
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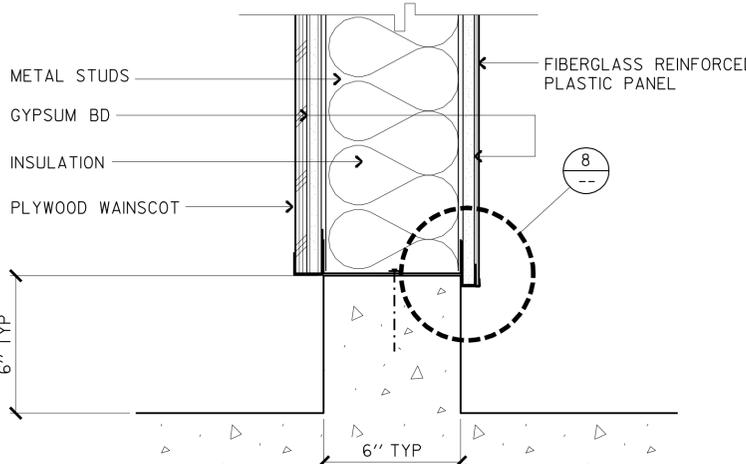
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SCALE 2"=1'-0"



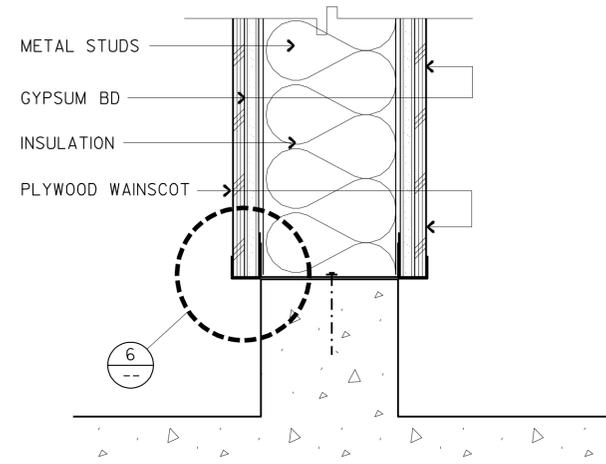
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SCALE 2"=1'-0"



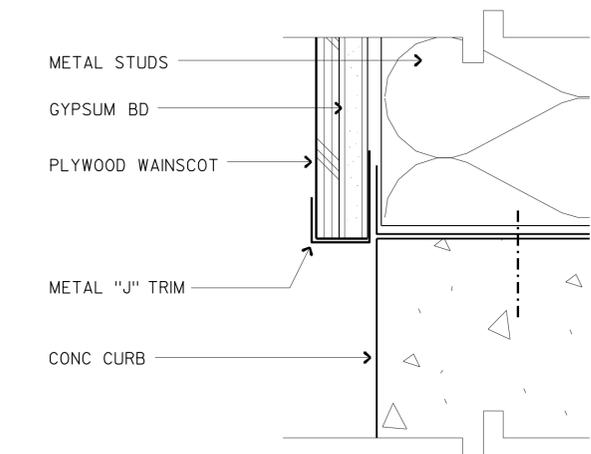
5 WAINSCOT - TOP
SCALE 3"=1'-0"



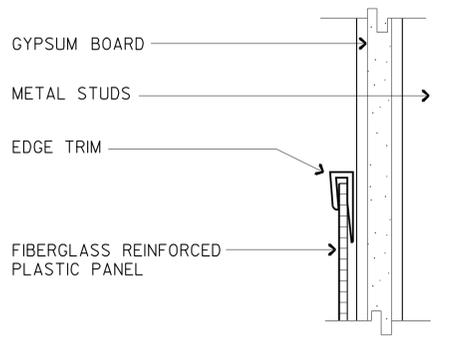
2 CURB @ RESTROOM
SCALE 3"=1'-0"



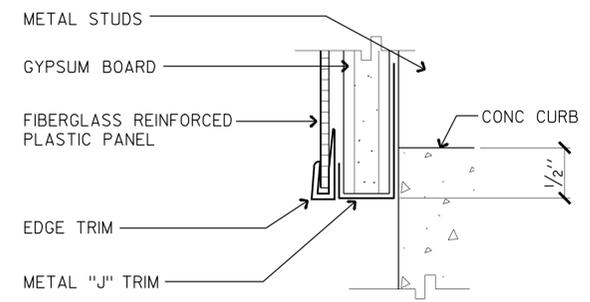
4 CURB @ WAREHOUSE / SHOP
SCALE 3"=1'-0"



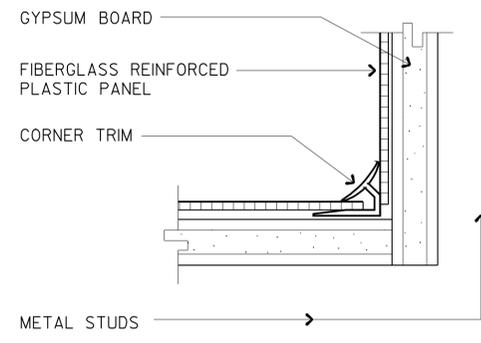
6 WAINSCOT - BASE
SCALE 6"=1'-0"



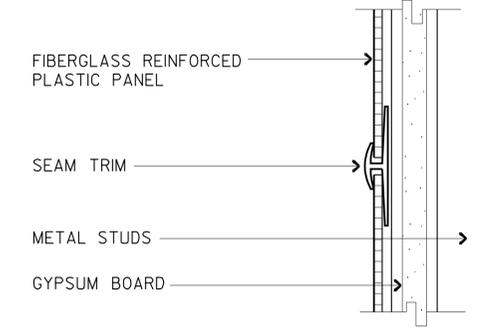
7 FRP @ TOP
FULL SCALE



8 FRP @ BASE
FULL SCALE



9 FRP @ CORNER
FULL SCALE



10 FRP @ SEAM
FULL SCALE

DESIGN	BY MICHELE MARSON	CHECKED 
DETAILS	BY MICHELE MARSON	CHECKED 
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
POST MILE NA	WAREHOUSE SHOP	INTERIOR DETAILS	A1-10

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		29	77


 REGISTERED CIVIL ENGINEER DATE 09-12-11

REGISTERED PROFESSIONAL ENGINEER
 No. 60406
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

9-17-12
PLANS APPROVAL DATE

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ABBREVIATIONS

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

SYMBOLS

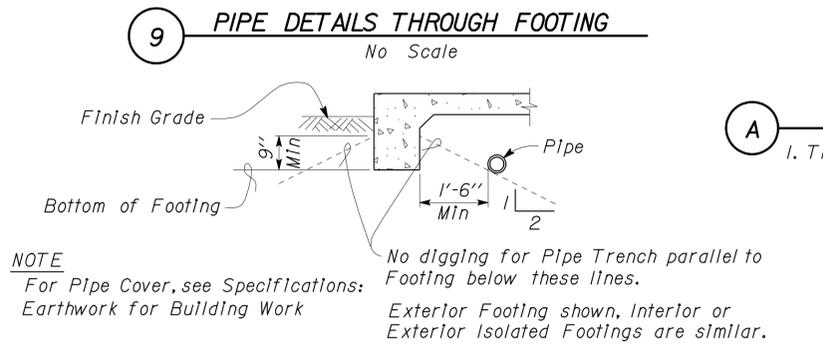
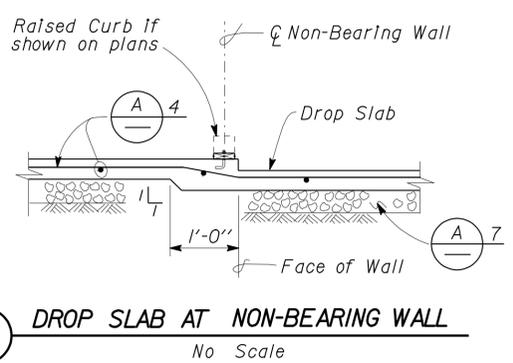
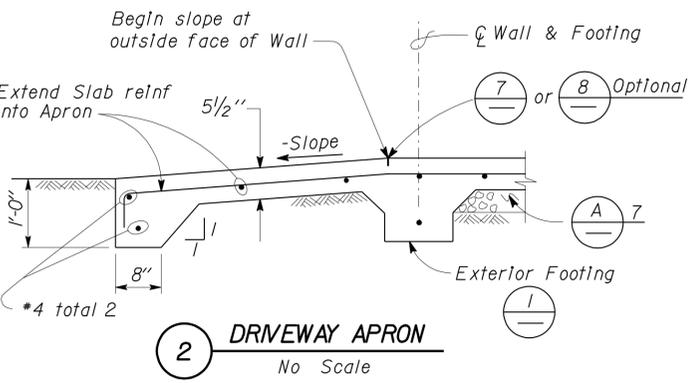
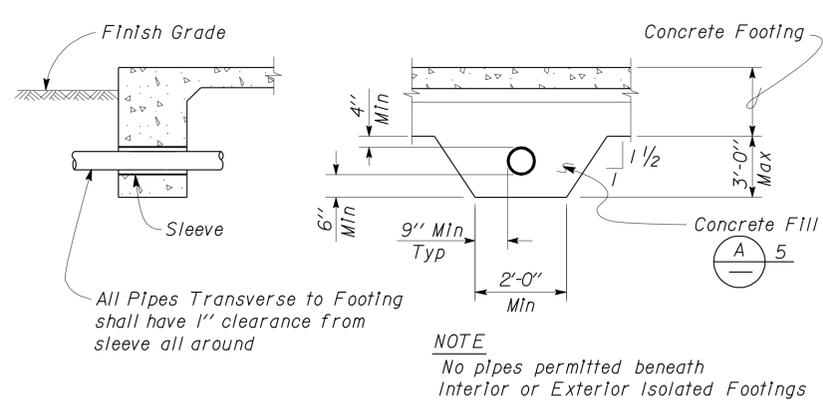
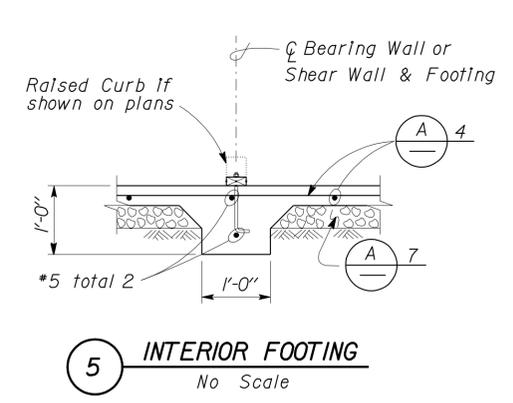
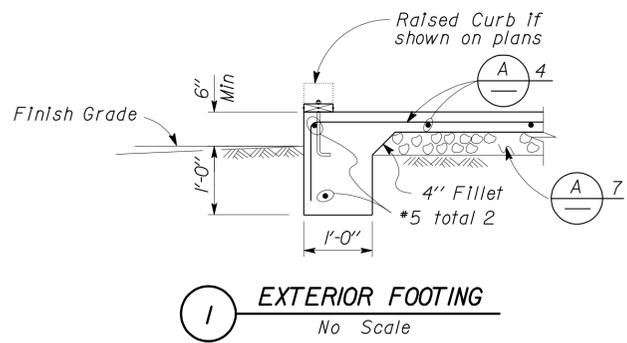
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	Continuous Member in Section		Dropped Slab on Plan Views
	End of Member		Reinforced Concrete
	Bearing Wall		Sand
	Shear Wall		Structural Backfill
	Length Shearwall Schedule Symbol Reference		Structural Excavation
	Glue Laminated Member Section		Original 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 DRAWING DATE 1-04		DESIGN BY <i>Sean Samal</i> CHECKED BY <i>George E. Rowe</i> SUBMITTED BY <i>Sean Samal</i>		STANDARD DRAWING APPROVED BY <i>R.E. Travis</i> DESIGN SUPERVISOR		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 56M5728 POST MILE NA		BANNING MAINTENANCE STATION LEGEND				SHEET ST-1 OF	
DOES SD IMPR... Rev. 7/10						ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3581 0800020324-1		DISREGARD PRINTS BEARING EARLIER REVISION DATES 03-14-11				REVISION DATES (PRELIMINARY STAGE ONLY)			

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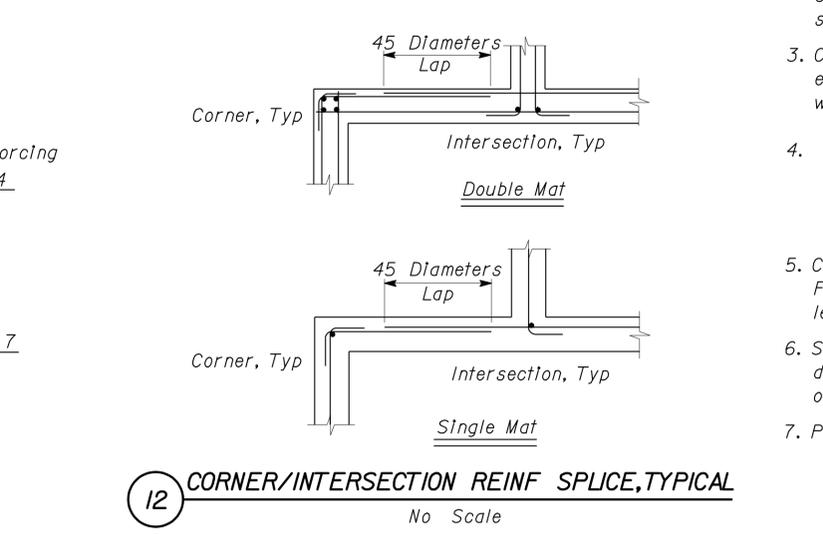
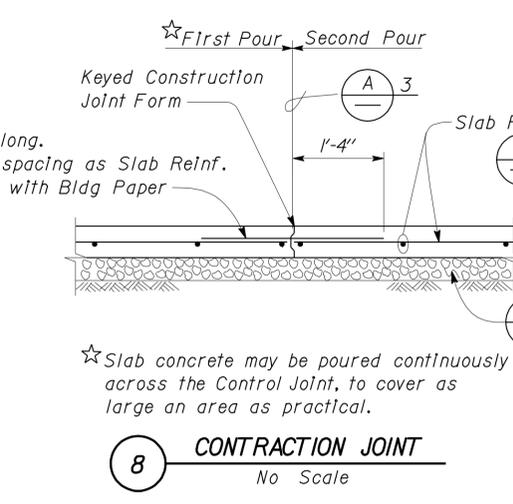
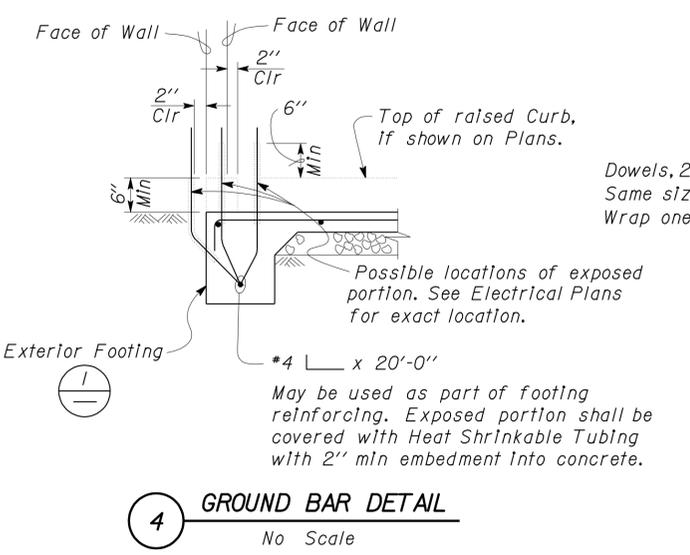
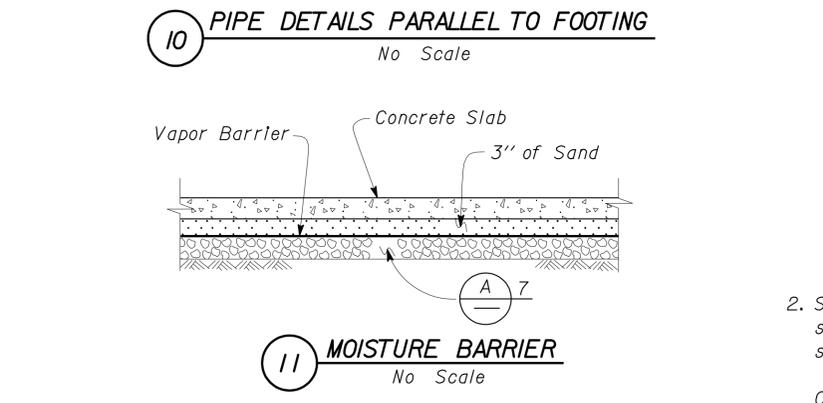
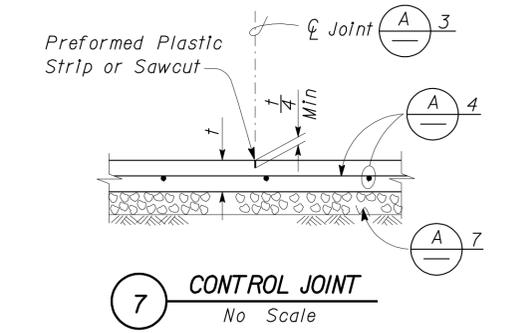
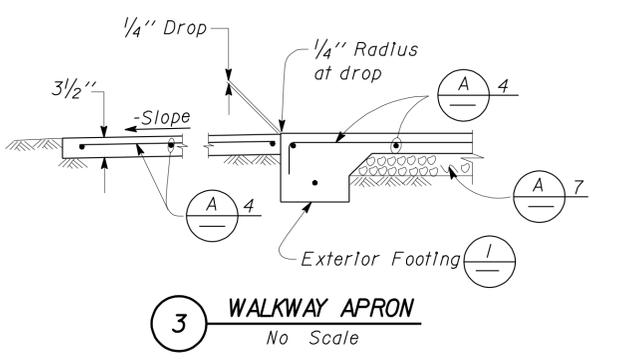
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A CONCRETE NOTES

- 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"



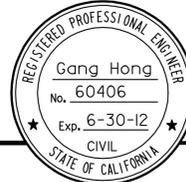
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

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	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		31	77

	09-12-11	
REGISTERED CIVIL ENGINEER	DATE	

9-17-12
PLANS APPROVAL DATE

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LOADS

SEISMIC: Occupancy Category = II
 Importance Factor I = 1.0
 Site Soil Class = C
 $S_S = 1.95$ $S_{DS} = 1.3$
 $S_I = 0.94$ $S_{DI} = 0.94$
 Seismic Design Category = E
Seismic Force-Resisting System:
 Moment-Resisting Frame Systems
North - South
 Ordinary Steel Moment Frames
 $R = 3.5$ $C_S = 0.371$

East - West
 Ordinary Steel Moment Frames
 $R = 3.5$ $C_S = 0.371$
WIND: Basic Wind Speed = 100 mph I = 1.0
 $\lambda = 1.35$ $P_{S30} = \pm 13.3 \text{ psf}$
 $K_{zt} = 1.0$
 Wind Pressure on Components and Cladding = 22.6 psf

LIVE LOAD: Roof = 20 psf

SNOW LOAD: Roof = 30
 (Not Reducible For Seismic Analysis)

1. For Concrete see: "Concrete Standard"
2. All bolts shall be hex head machine bolts, with hex head nuts; unless otherwise noted.
3. All lock washers shall be helical spring lock washers.
4. All Reinforcement shall be Epoxy coated.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design) :
 $f'_c = 3,000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$ (Epoxy coated Rebar)

STRUCTURAL STEEL: (Allowable Strength Design) :
 Channels, Angles & Misc. Shapes $F_y = 36 \text{ ksi}$
 Plates $F_y = 36 \text{ ksi}$

FOUNDATION:
 Soils report dated : May 2, 2011
 Allowable Soil Pressure (DL + LL) : = 3,000 psf

 For Soil Classification, see Log of Test BorIng Sheets.

DESIGN BY Gang Hong CHECKED Thomas Tong	BY Gang Hong CHECKED Andrew A. Lovato CHECKED Gang Hong BY CHECKED	CHECKED Thomas Tong CHECKED Gang Hong CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
					POST MILE NA	WAREHOUSE SHOP	DESIGN CRITERIA AND DETAIL NOTES		ST1-0	
					PROJECT NUMBER & PHASE 0800020324-1		REVISION DATES (PRELIMINARY STAGE ONLY) 03-29-11 08-11-11		OF	

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

UNIT: PROJECT NUMBER & PHASE 0800020324-1

DISREGARD PRINTS BEARING EARLIER REVISION DATES

EA 000000

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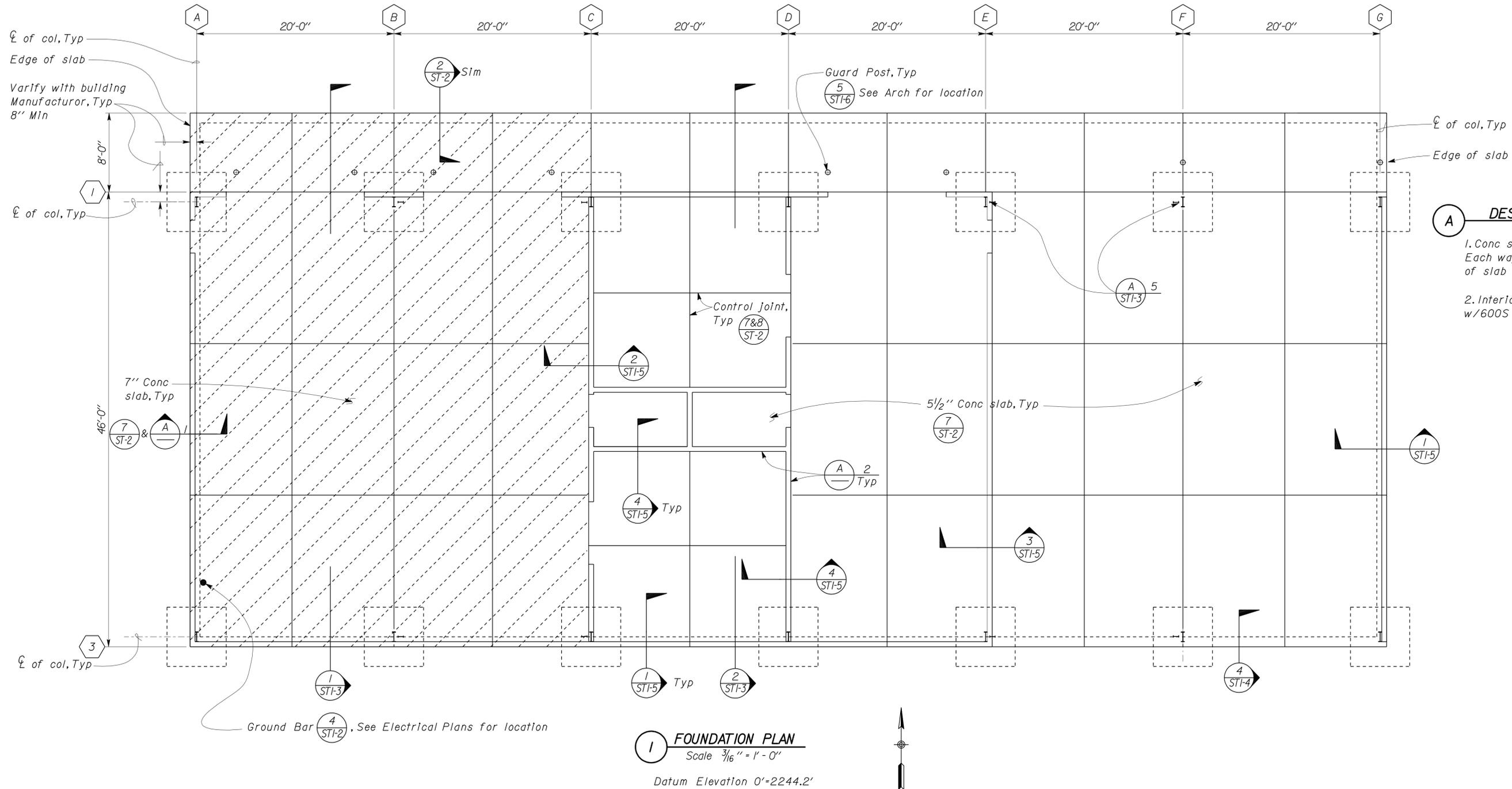
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		32	77


 REGISTERED CIVIL ENGINEER
 DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

REGISTERED PROFESSIONAL ENGINEER
 Gang Hong
 No. 60406
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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- DESIGN NOTES**
1. Conc slab w/*6 @ 6" OC Each way, Place in center of slab
 2. Interior stud wall w/600S 137-43 @ 24" OC

FOUNDATION PLAN
 Scale 3/16" = 1'-0"
 Datum Elevation 0' = 2244.2'

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

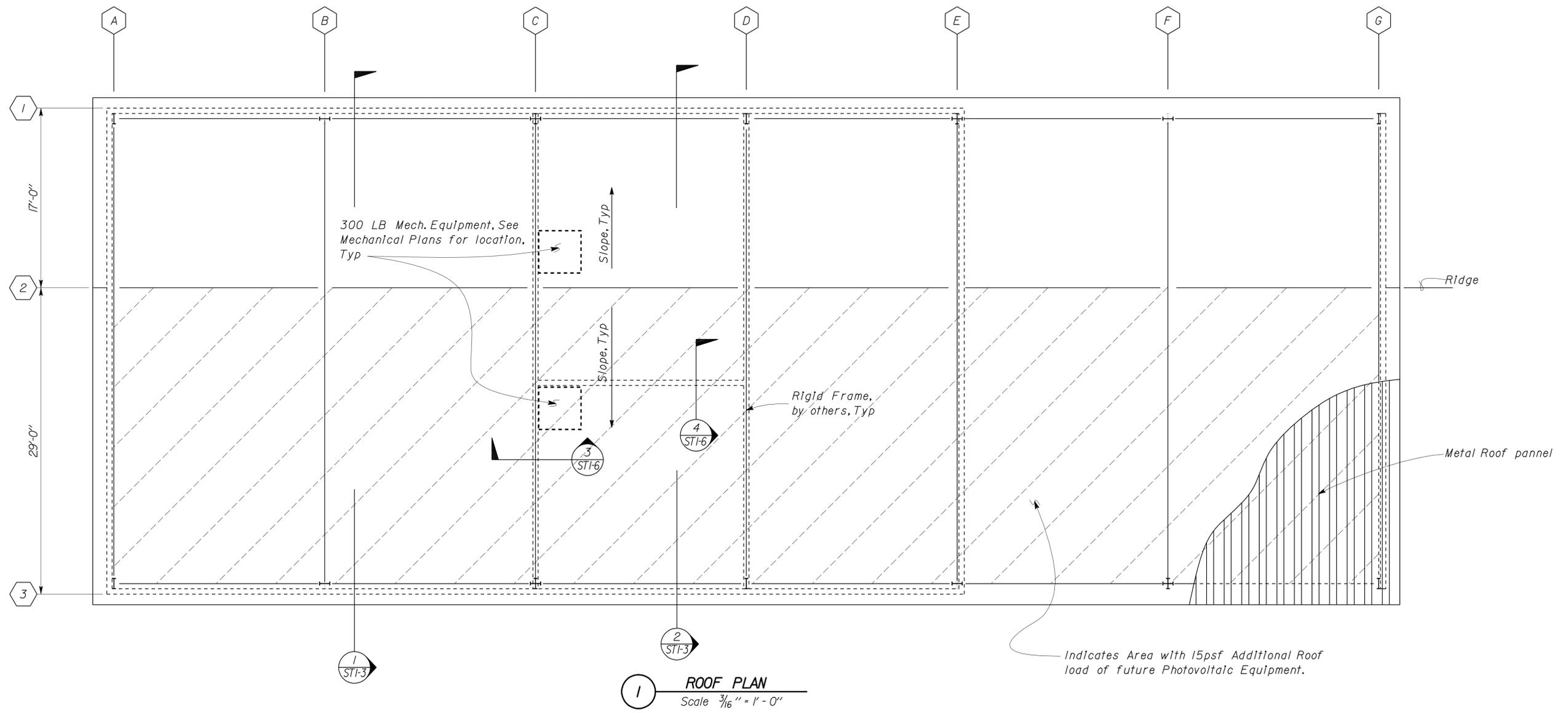
BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
POST MILE NA	WAREHOUSE SHOP	FOUNDATION PLAN	ST1-1

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		33	77


 REGISTERED CIVIL ENGINEER
 DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 Gang Hong
 No. 60406
 Exp. 6-30-12
 CIVIL

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DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728
POST MILE	NA

BANNING MAINTENANCE STATION
 WAREHOUSE SHOP
ROOF PLAN

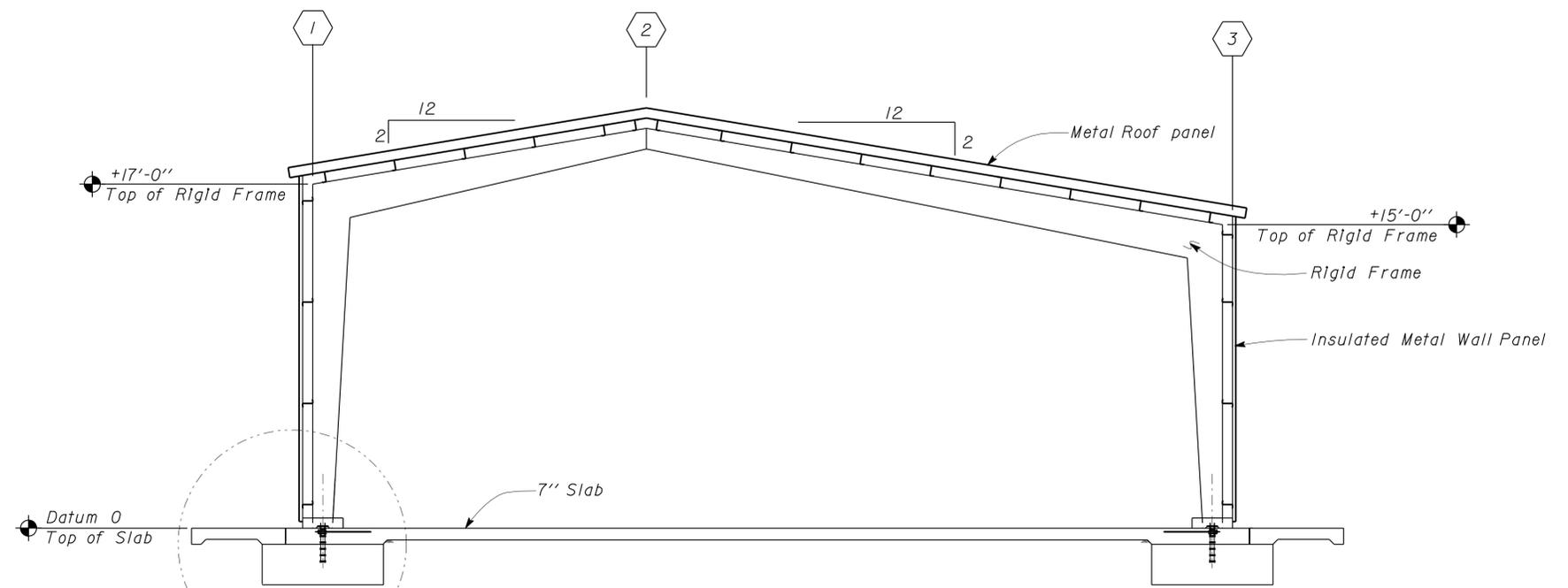
SHEET
ST1-2

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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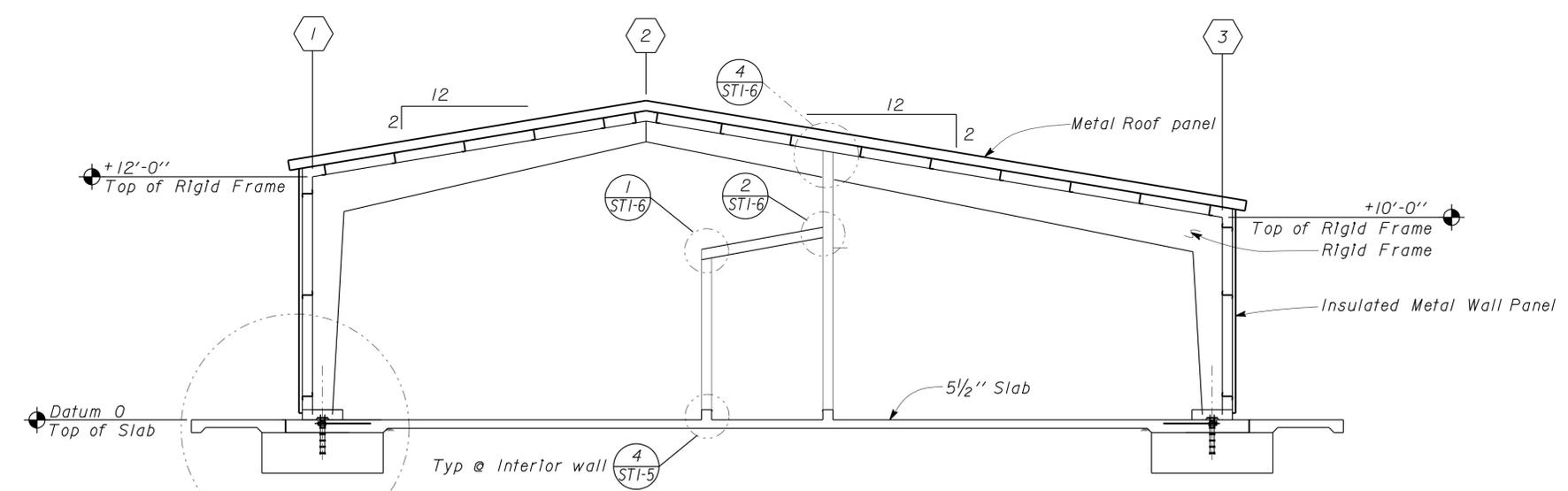

 REGISTERED CIVIL ENGINEER DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

REGISTERED PROFESSIONAL ENGINEER
 Gang Hong
 No. 60406
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

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



SECTION 2
Scale 1/4" = 1'-0"

PRE-ENGINEERED STEEL BUILDING DESIGN REQUIREMENTS

- Design: The building work on this project has been designed to conform to the 2010 California Building Code.
- The rigid frame support anchor bolts shall be embedded into the footing a minimum of 20 bolt diameters.
- The rigid frames shall be provided with a direct continuous tie between the base plates. Such ties shall be capable of supporting the maximum thrust generated under combined loads. The design of the frame tie rods is the responsibility of the building manufacturer. However if the manufacturer does not require frame tie rods, the frame tie rods shown on the plans shall be installed as a minimum.
- The building manufacturer shall design the rigid frames to accommodate all crane live, dead and impact loads (wall, rake).
- A lateral force resisting system (portal frame) should also be provided for the frames at the longitudinal location perpendicular to the rigid frame.
- See Architectural and Electrical sheets for details not shown.

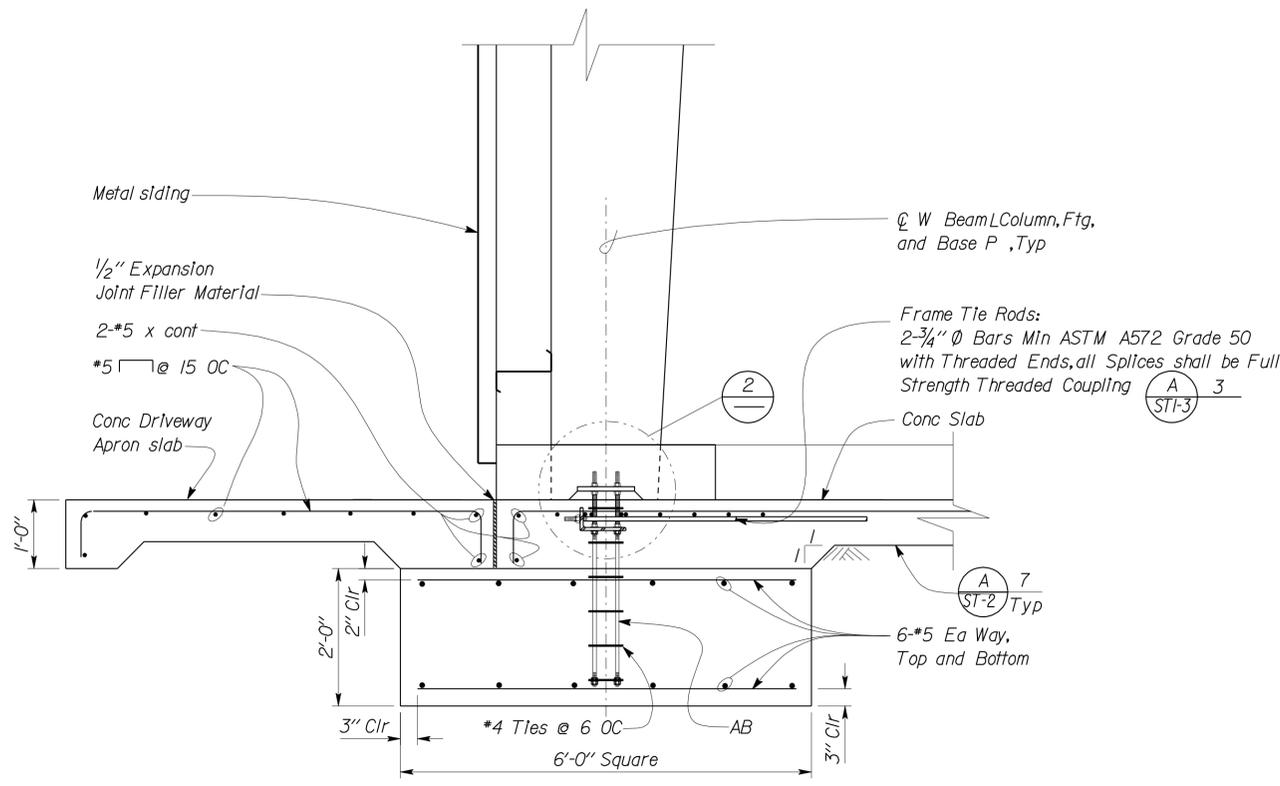
DESIGN BY Gang Hong	CHECKED Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET ST1-3
				POST MILE NA	WAREHOUSE SHOP	BUILDING SECTIONS	
DETAILS BY Andrew A. Lovato	CHECKED Gang Hong	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 03-30-11 04-12-11		SHEET OF
QUANTITIES BY	CHECKED	EA 000000			D:\user\Projects\08\0800020324_Banning_MS\Expedite_12-05-11\st1_03.dgn		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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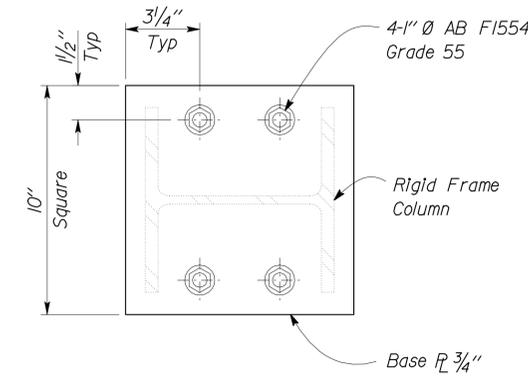
<i>Gang Hong</i>	09-12-11	REGISTERED PROFESSIONAL ENGINEER Gang Hong No. 60406 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA
REGISTERED CIVIL ENGINEER	DATE	

9-17-12
PLANS APPROVAL DATE

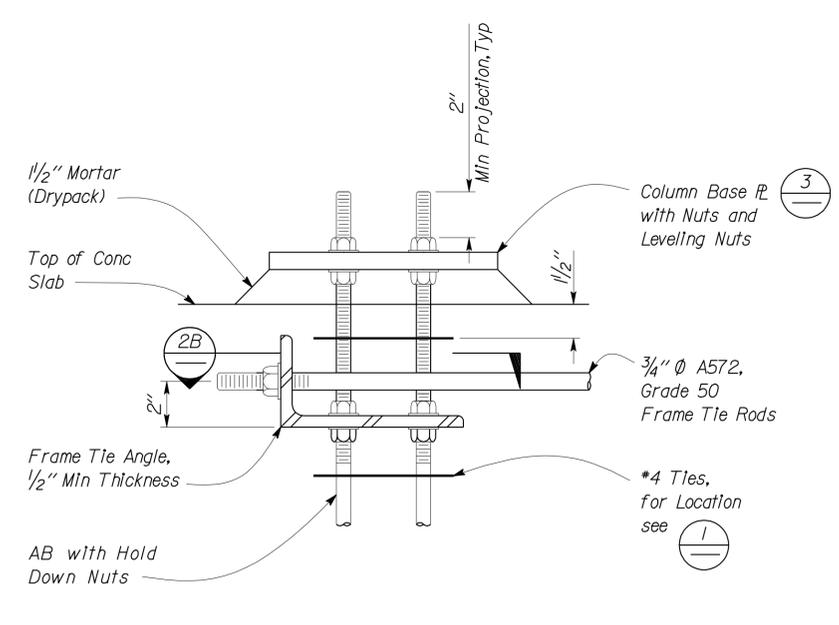
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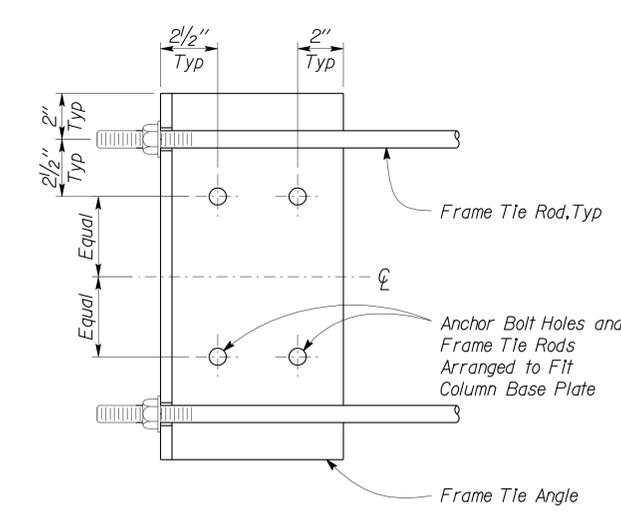
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Scale 3/4" = 1' - 0"



3 BASE PLATE
Scale 3" = 1' - 0"

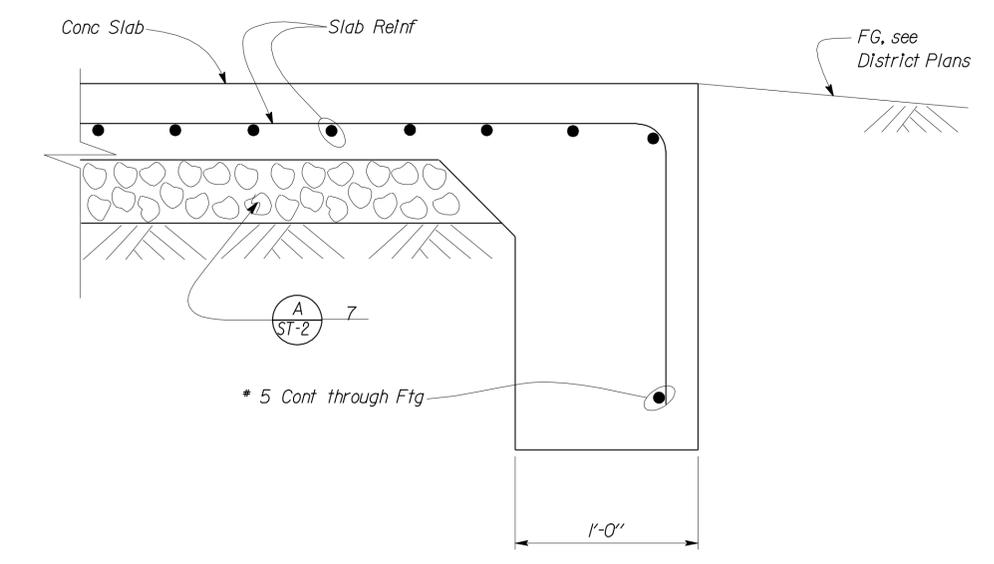


2A ELEVATION



2B PLAN

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



4 TYPICAL EXTERIOR FOOTING
Scale 2" = 1' - 0"

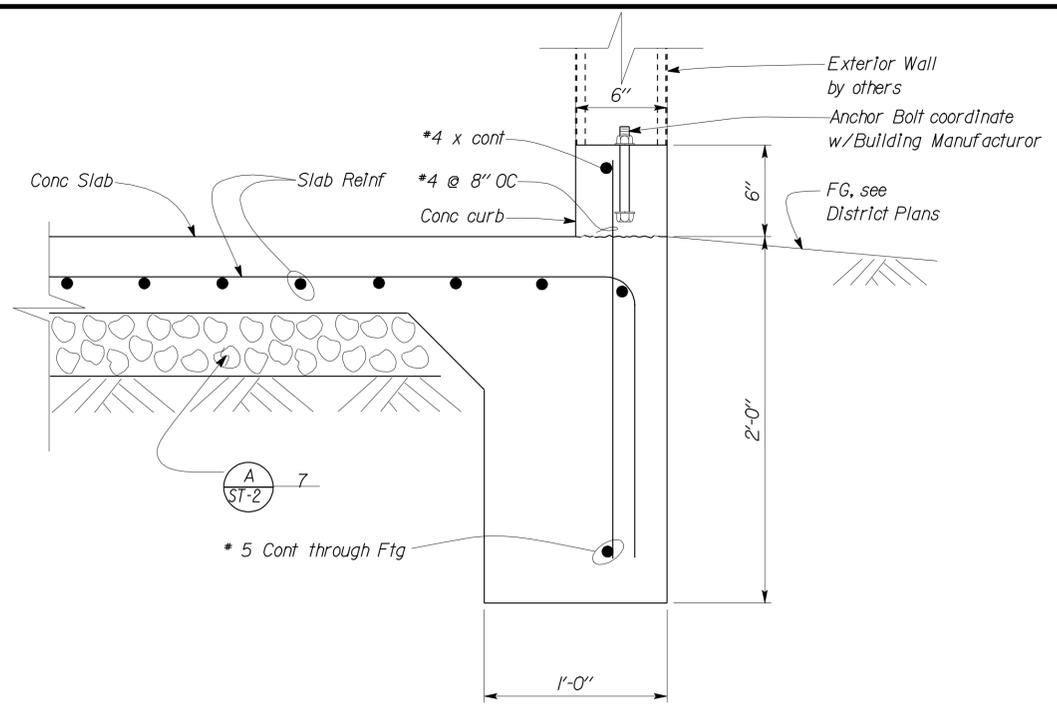
DESIGN	BY	Gang Hong	CHECKED	Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION		SHEET ST1-4
	DETAILS	BY	Andrew A. Lovato	CHECKED			Gang Hong	56M5728	WAREHOUSE SHOP	
QUANTITIES	BY		CHECKED				POST MILE	NA		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3
UNIT PROJECT NUMBER & PHASE	3581 0800020324-1			
DISREGARD PRINTS BEARING EARLIER REVISION DATES	03-30-11 04-12-11 05-10-11			
REVISION DATES (PRELIMINARY STAGE ONLY)				

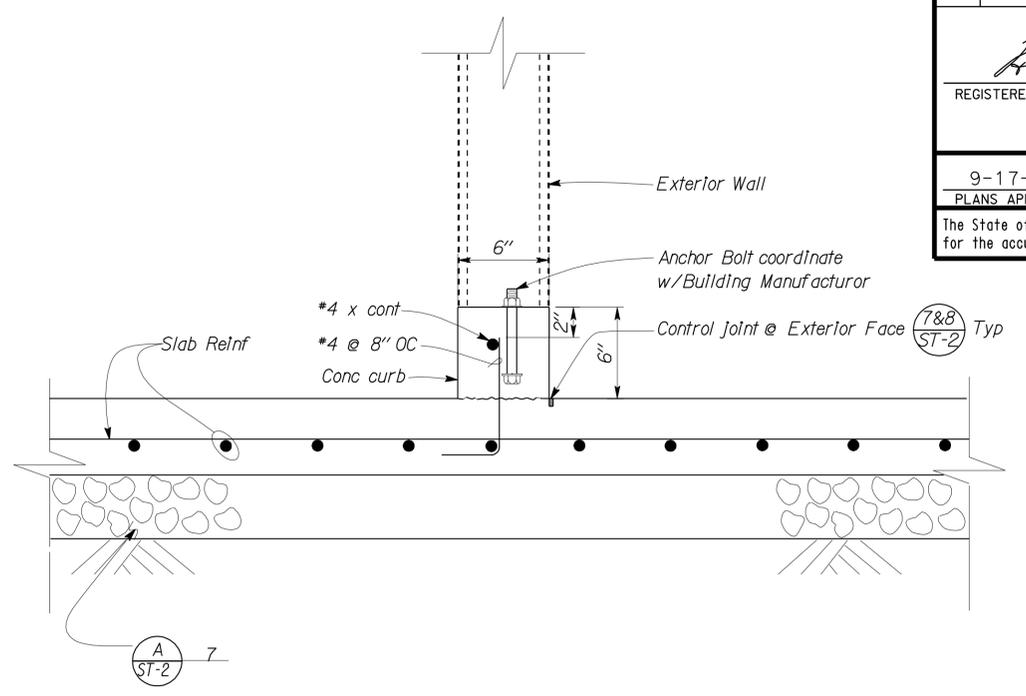
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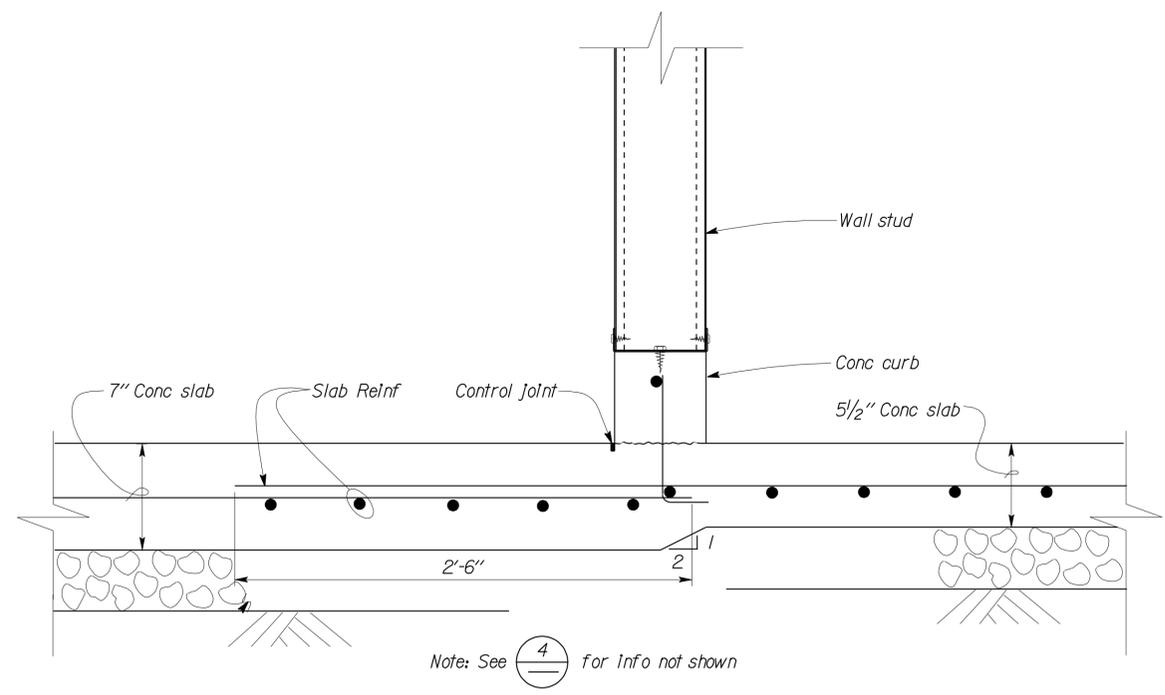
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		36	77
 REGISTERED CIVIL ENGINEER			09-12-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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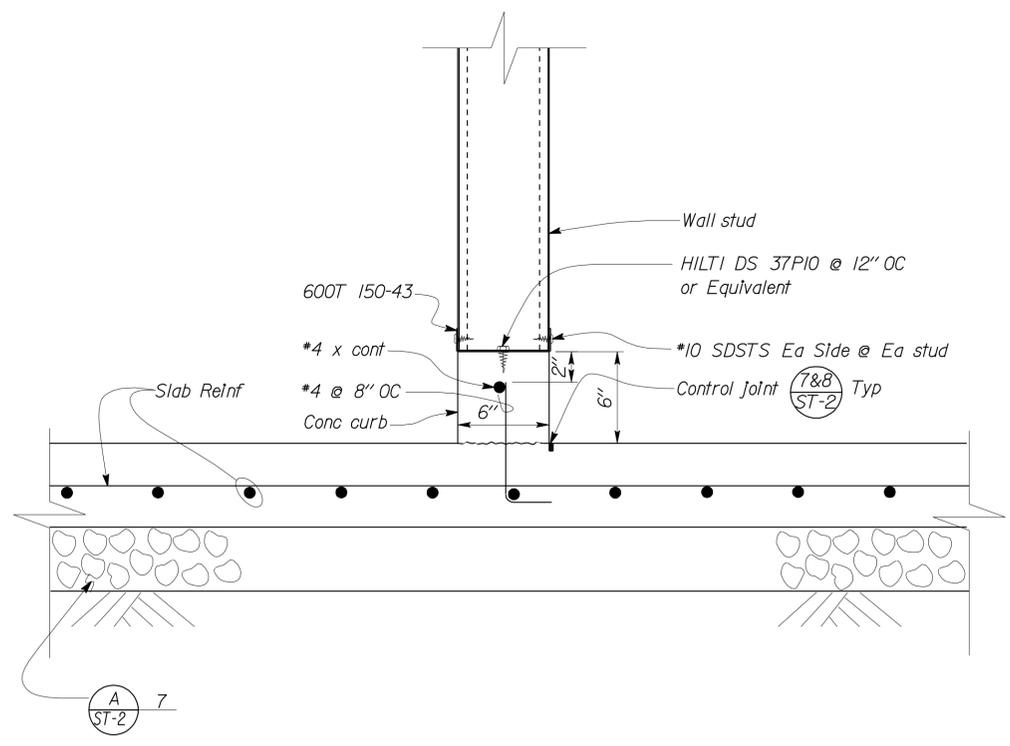
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Scale 2" = 1' - 0"



3 EXTERIOR WALL FOOTING
Scale 2" = 1' - 0"



2 INTERIOR FOOTING WAL
Scale 2" = 1' - 0"



4 TYPICAL INTERIOR FOOTING WAL
Scale 2" = 1' - 0"

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
56M5728
POST MILE
NA

BANNING MAINTENANCE STATION
WAREHOUSE SHOP
FOUNDATION SECTIONS AND DETAILS

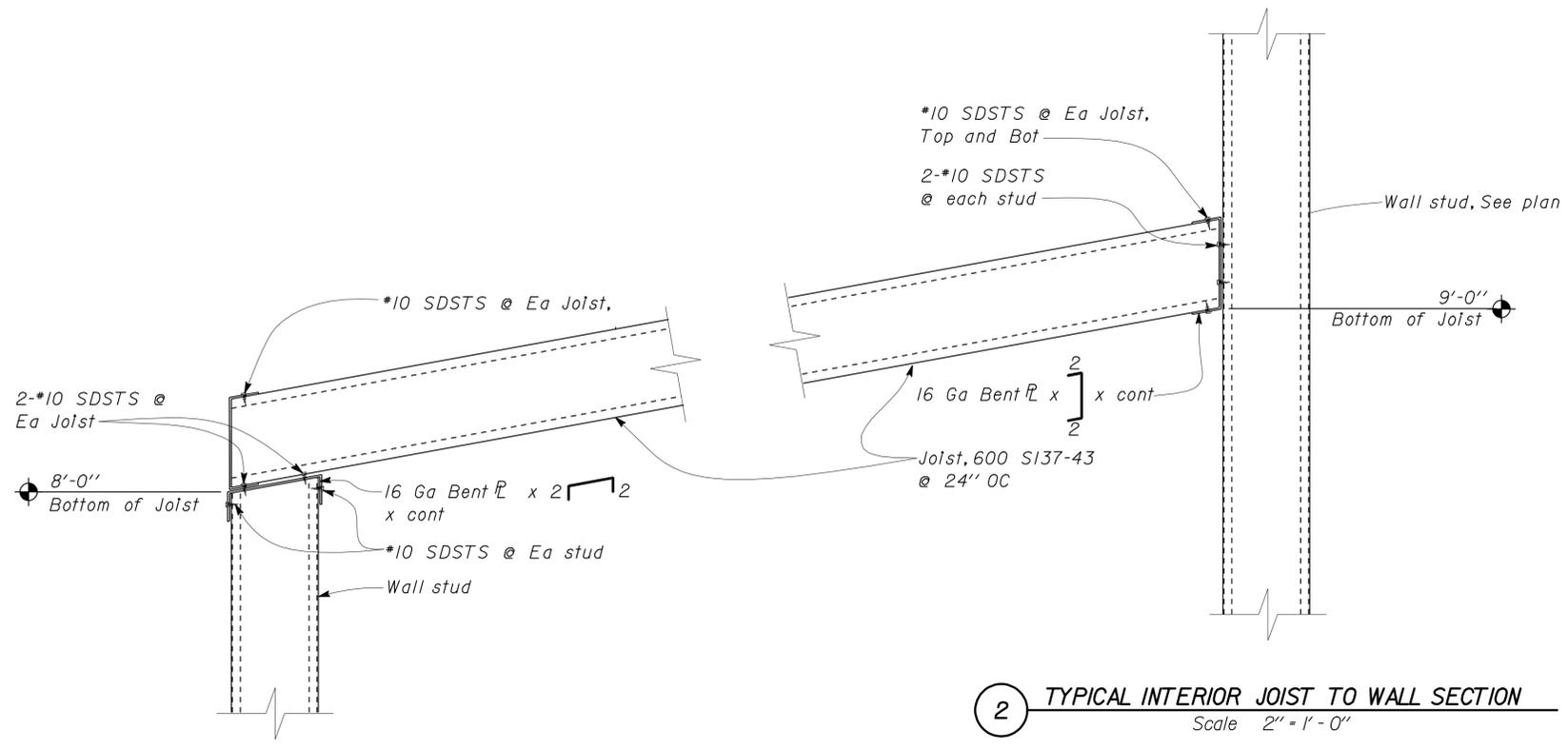
SHEET
ST1-5

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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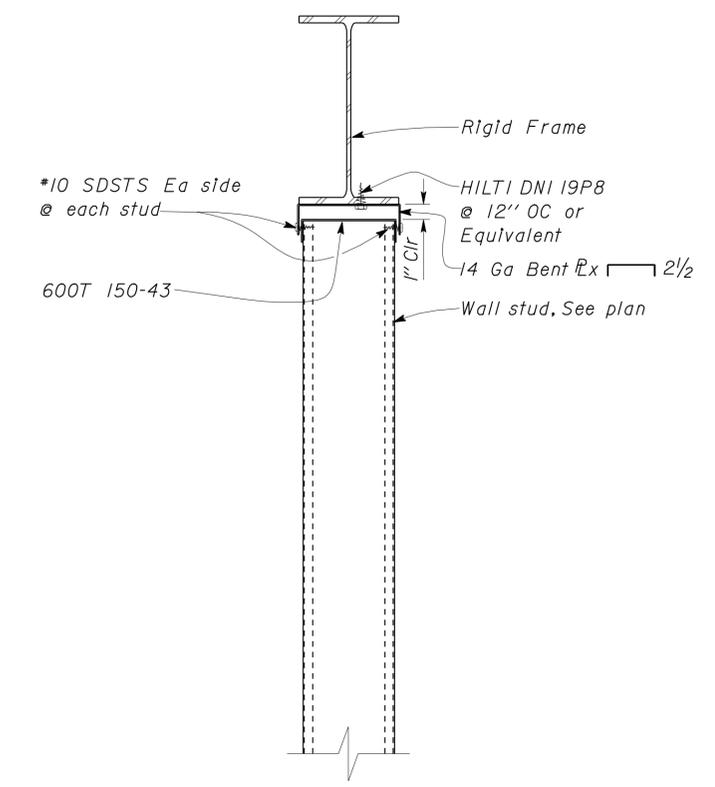

 REGISTERED CIVIL ENGINEER
 DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

REGISTERED PROFESSIONAL ENGINEER
 STATE OF CALIFORNIA
 No. 60406
 Exp. 6-30-12
 CIVIL

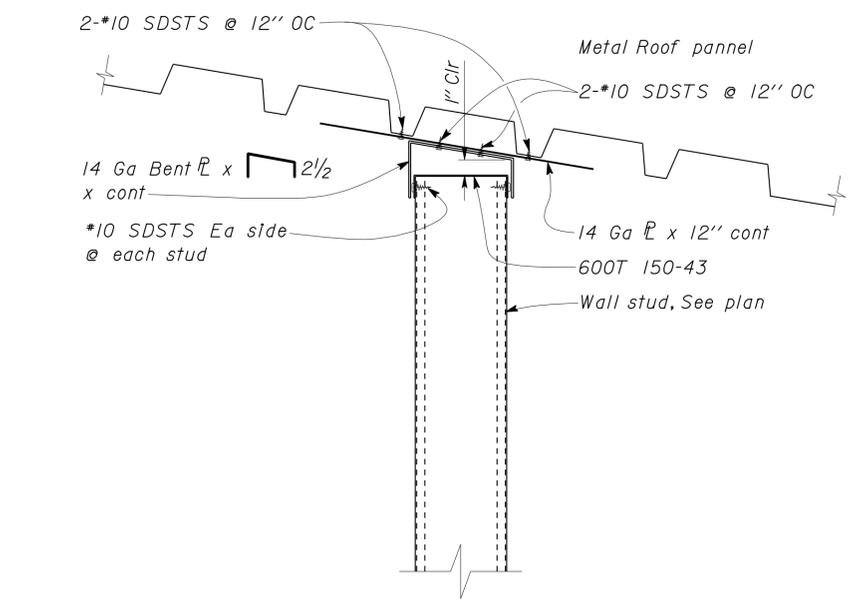
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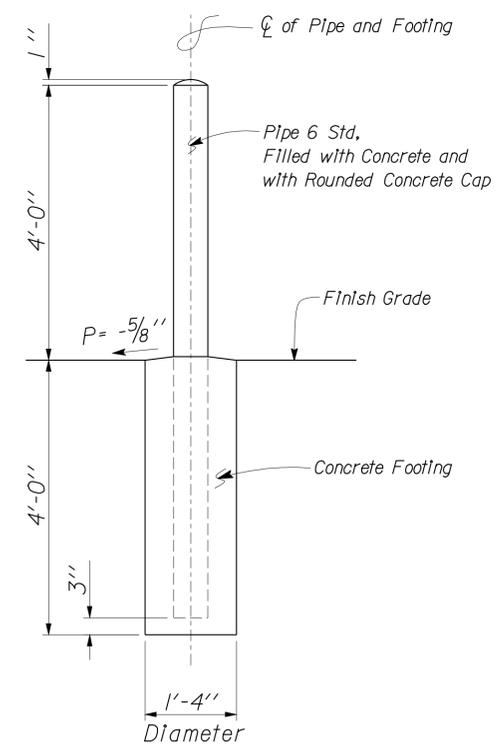
1 TYPICAL INTERIOR WALL SECTION
Scale 2" = 1'-0"



2 TYPICAL INTERIOR JOIST TO WALL SECTION
Scale 2" = 1'-0"



3 TYPICAL INTERIOR WALL SECTION
Scale 2" = 1'-0"



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

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728
POST MILE	NA

BANNING MAINTENANCE STATION
 WAREHOUSE SHOP
ROOF WALL SECTIONS

SHEET
ST1-6

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		38	77
				09-12-11	
				REGISTERED CIVIL ENGINEER	DATE
					
				9-17-12	
				PLANS APPROVAL DATE	
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A GENERAL DESIGN NOTES

1. CRITERIA

BUILDING CODE:
 2010 California Building Code as Adopted
 by the California Building Standards Commission

OCCUPANCY CATEGORY: I

2. MATERIALS

REINFORCED CONCRETE: (Strength Design)
 $f'c = 3,000 \text{ psi}$
 $f_y = 60,000 \text{ psi}$

STRUCTURAL STEEL: (Allowable Strength Design)
 Channels, Angles, Plates & Misc. Shapes $F_y = 36 \text{ ksi}$
 Hollow Structural Sections (HSS) $F_y = 46 \text{ ksi}$
 Weld Electrodes $F_y = 70 \text{ ksi}$
 W (WT) $F_y = 50 \text{ ksi}$

3. FOUNDATION

Soils report dated : May 2, 2011
 Allowable Soil Pressure: 3,000 psf

Note:
 Notify Geotechnical Engineer to observe
 the exposed foundation excavation bottom
 prior to any additional work.

C GENERAL NOTES

- All bolts shall be hex head machine bolts, with hex head nuts, unless otherwise noted.
- All lock washers shall be helical spring lock washers.
- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

B DESIGN LOADS

1. LIVE

Roof = 20 psf

2. SEISMIC

Importance Factor = 1.0
 Site Class = C
 Spectral Response Accelerations:
 $S_S = 1.95$ $S_I = 0.94$
 Spectral Response Coefficients:
 $S_{DS} = 1.3$ $S_{DI} = 0.94$
 Design Category = E
 Analysis Procedure: Equivalent Lateral Force

Seismic Force-Resisting System
 North - South East - West

$R = 3.00$ $R = 3.00$
 $C_S = 0.44$ $C_S = 0.44$

3. WIND

Importance Factor = 1.0
 Basic Wind Speed = 85 mph (3 sec gust)
 Exposure C

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF
CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL
 AND
 STRUCTURAL DESIGN

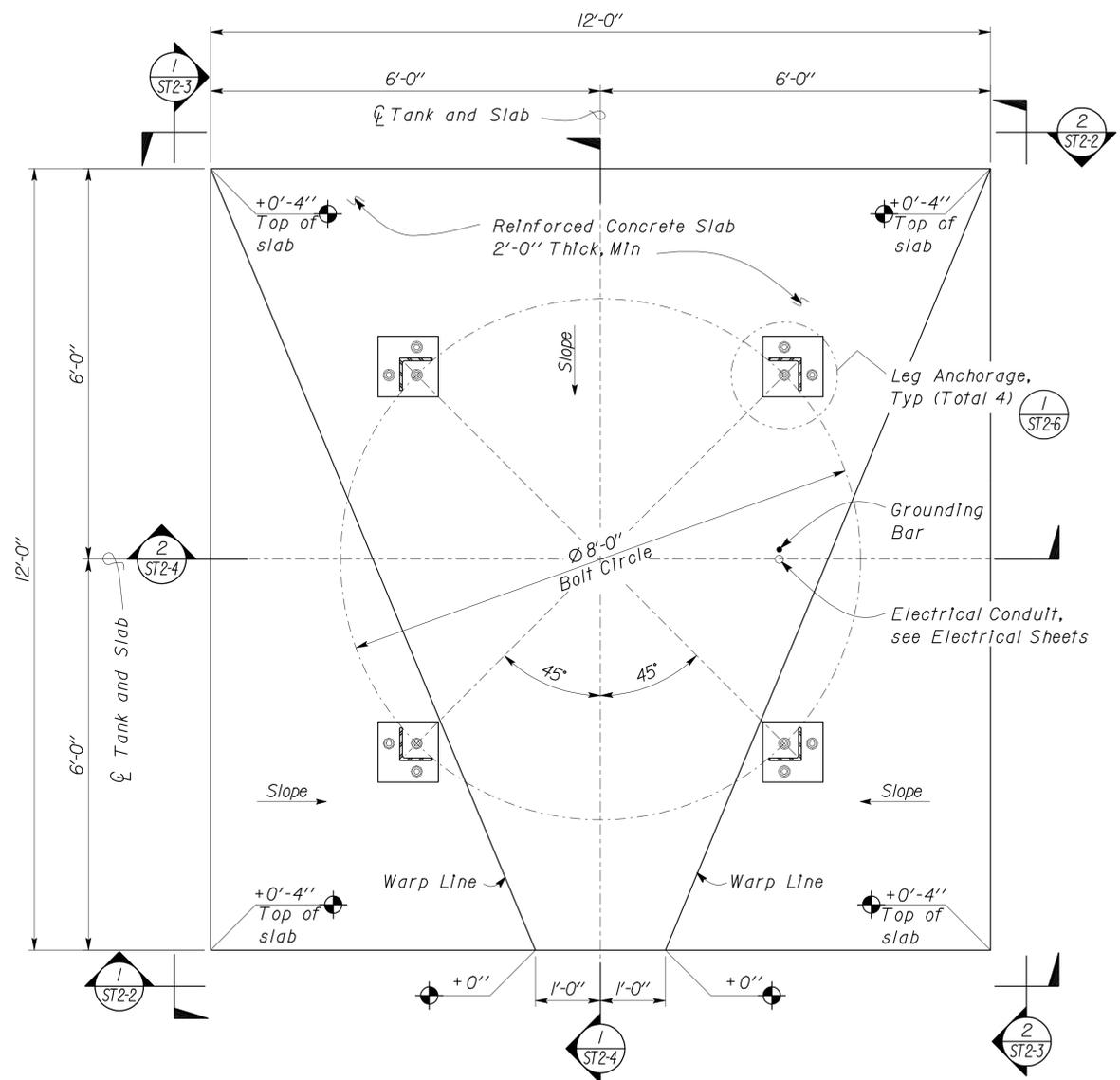
BRIDGE NO.	56M5728
POST MILE	NA

BANNING MAINTENANCE STATION

EMULSION TANK DESIGN CRITERIA AND DETAIL NOTES

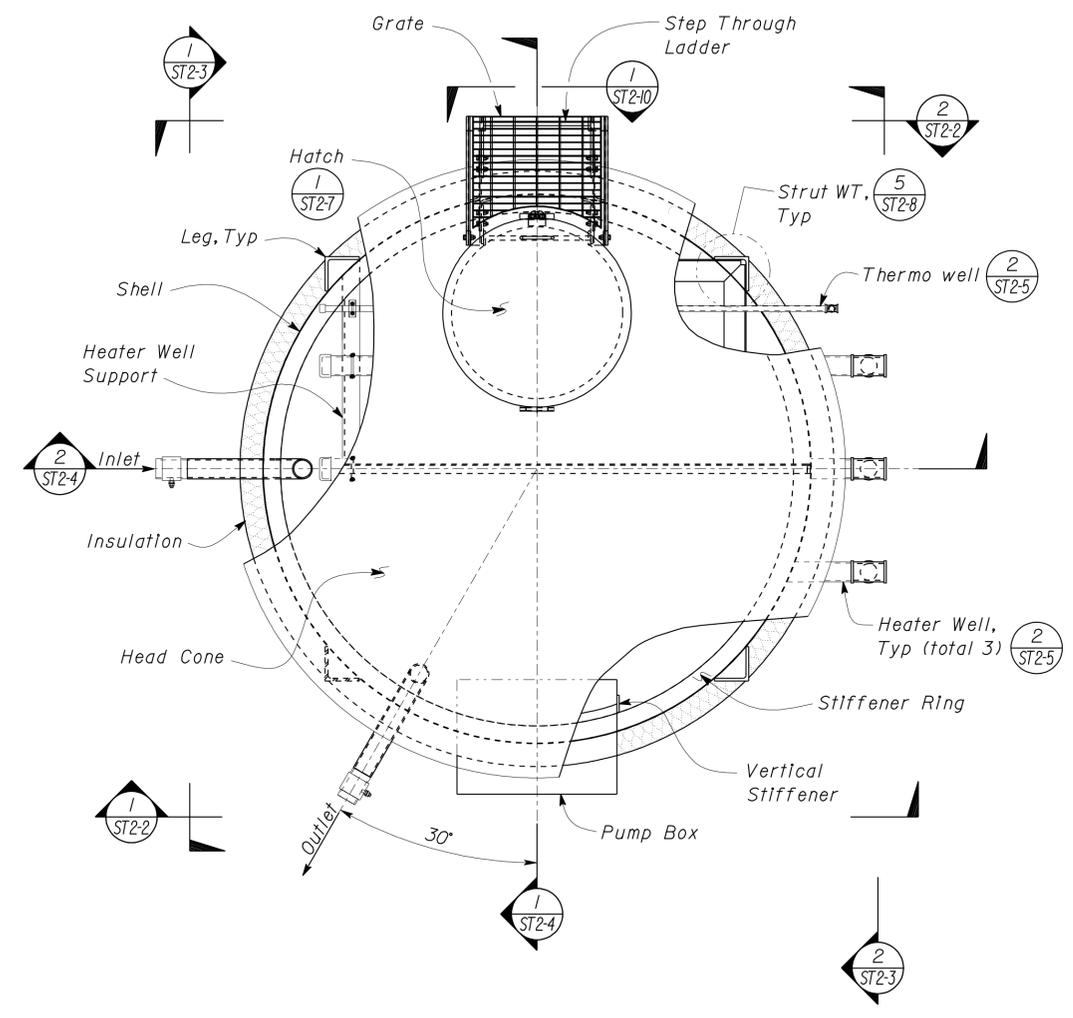
SHEET
ST2-0

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		39	77
 REGISTERED CIVIL ENGINEER			09-12-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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Note: 1. Top of new Foundation is to Match Existing Foundation in Elevation.
 2. Conc curb is not shown for clarity.

1 FOUNDATION PLAN
 Scale 3/4" = 1' - 0"



2 EMULSION TANK PLAN
 Scale 3/4" = 1' - 0"

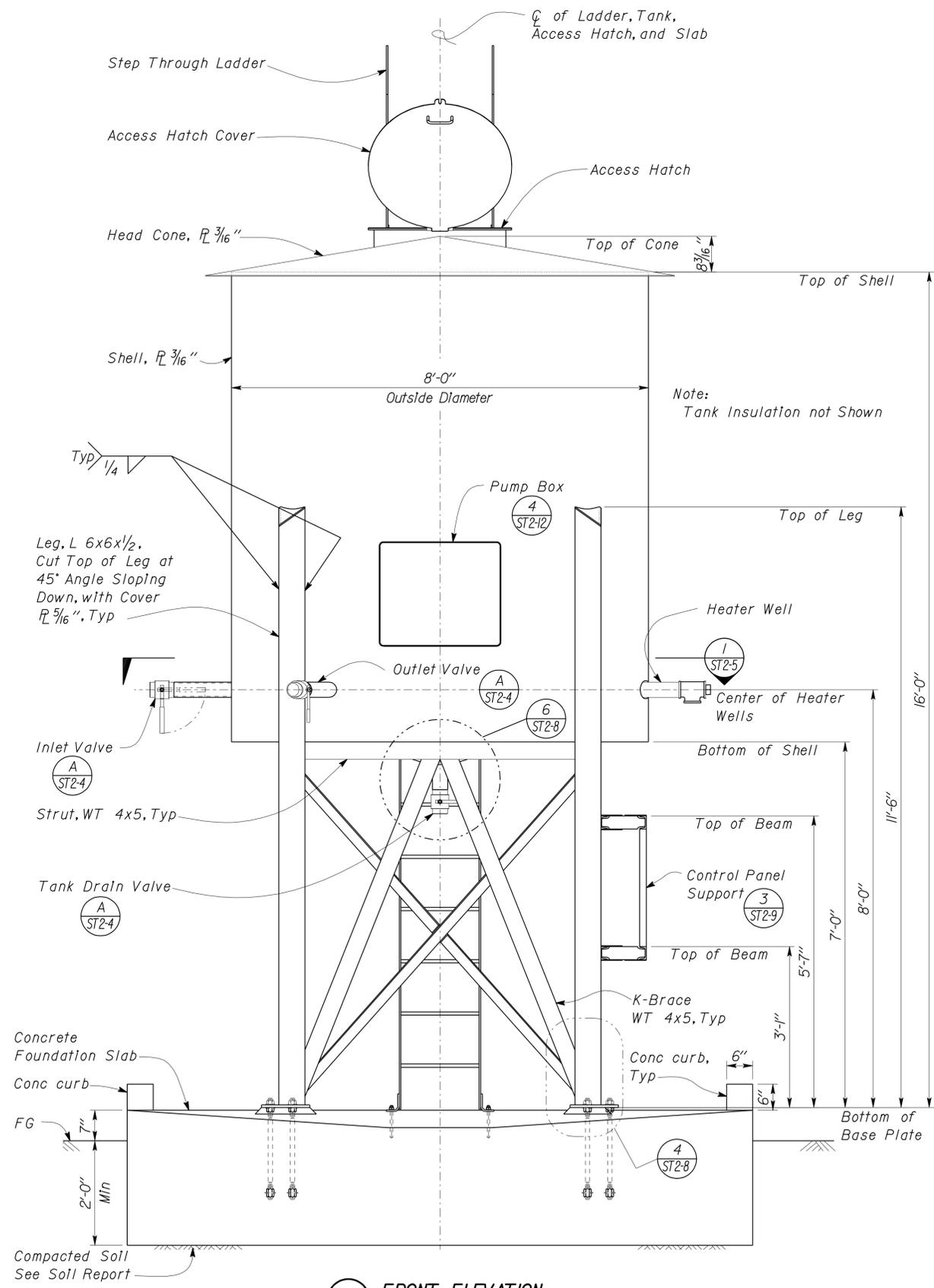
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	DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong			POST MILE NA		
	QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE EA 000000 0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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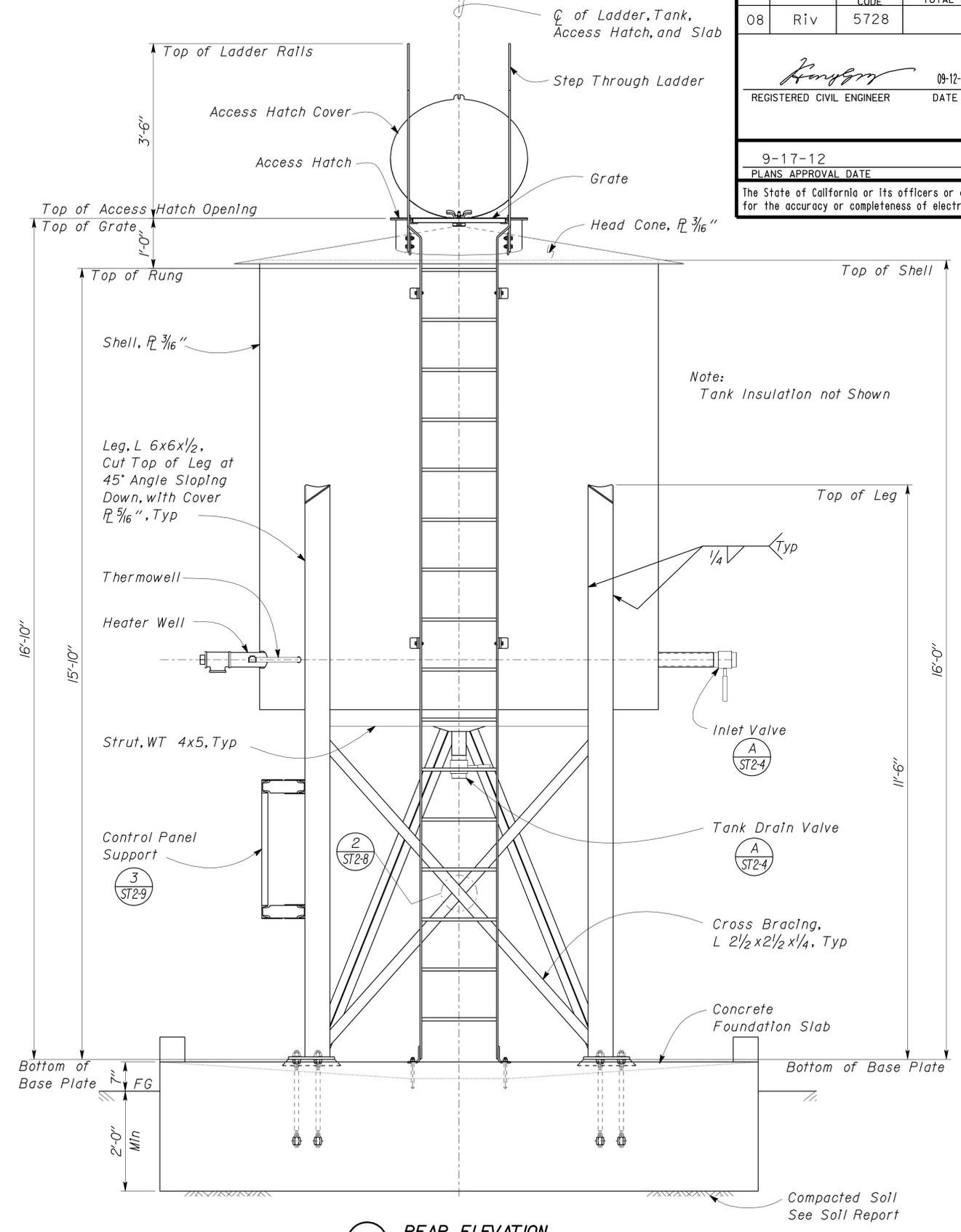
<i>Gang Hong</i>		09-12-11
REGISTERED CIVIL ENGINEER	DATE	

9-17-12	
PLANS APPROVAL DATE	

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1 FRONT ELEVATION
Scale $\frac{3}{4}'' = 1' - 0''$



2 REAR ELEVATION
Scale $\frac{3}{4}'' = 1' - 0''$

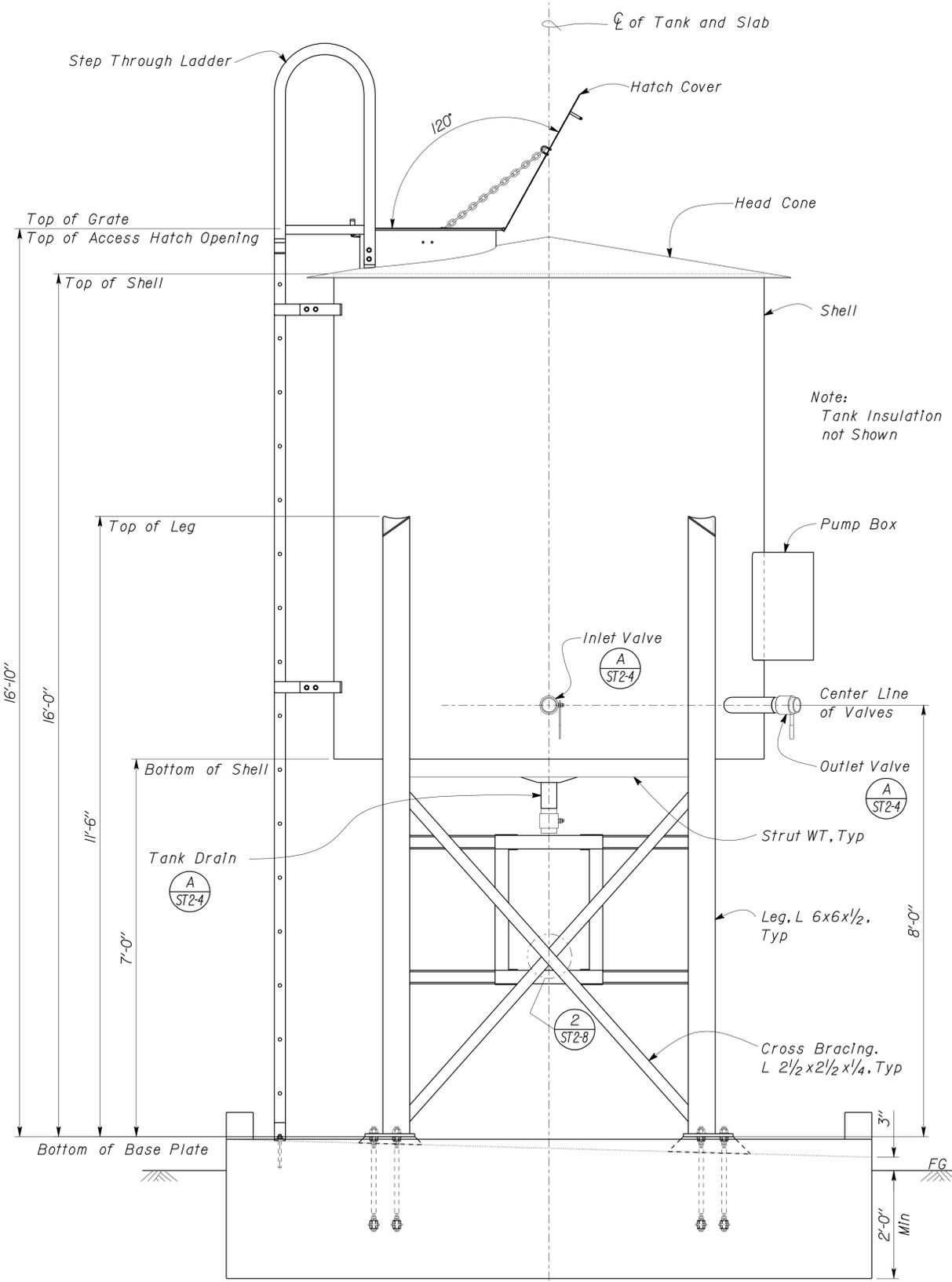
DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

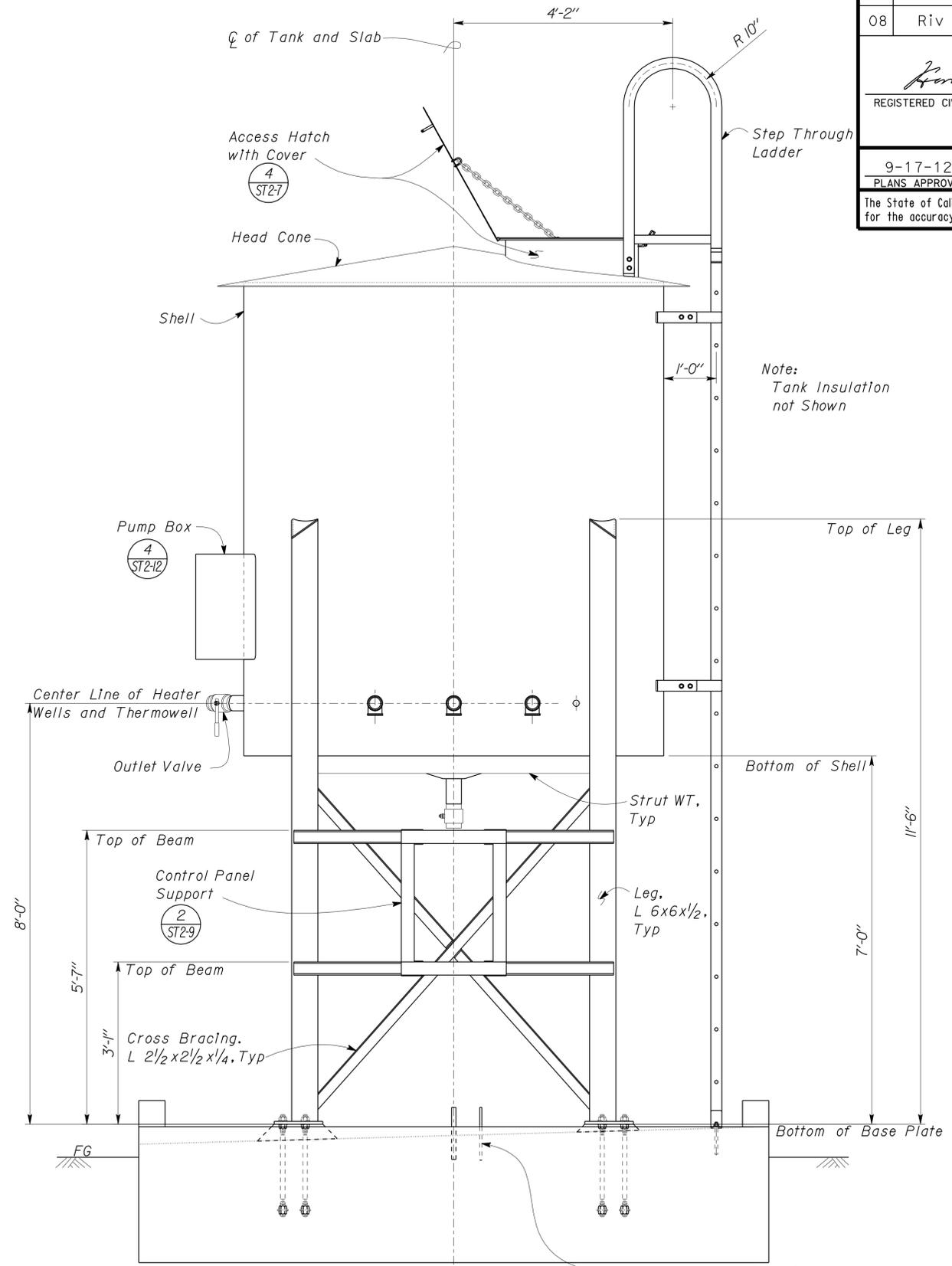
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION	SHEET ST2-2
POST MILE NA		
EMULSION TANK	EMULSION TANK ELEVATIONS	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		41	77
 REGISTERED CIVIL ENGINEER			09-12-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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1 LEFT SIDE ELEVATION
Scale 3/4" = 1' - 0"



2 RIGHT SIDE ELEVATION
Scale 3/4" = 1' - 0"

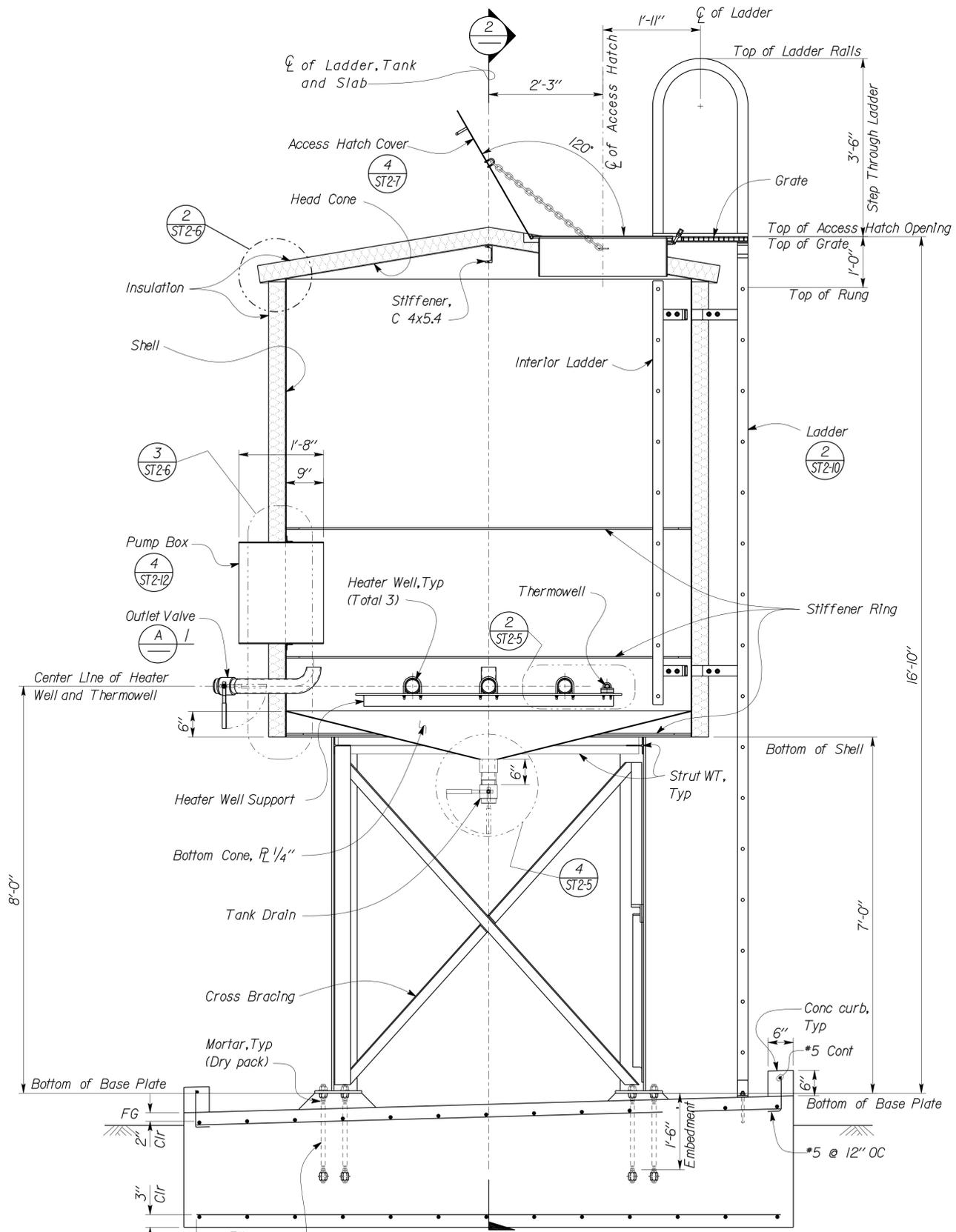
Ground Bar, #4 [] x 20'-0", see Electrical Sheets for Location
May be Used as Part of Footing Reinforcing. Exposed Portion,
6" above Slab, shall be Covered with Heat Shrinkable Tubing
with 2" Min Embedment into Concrete.

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

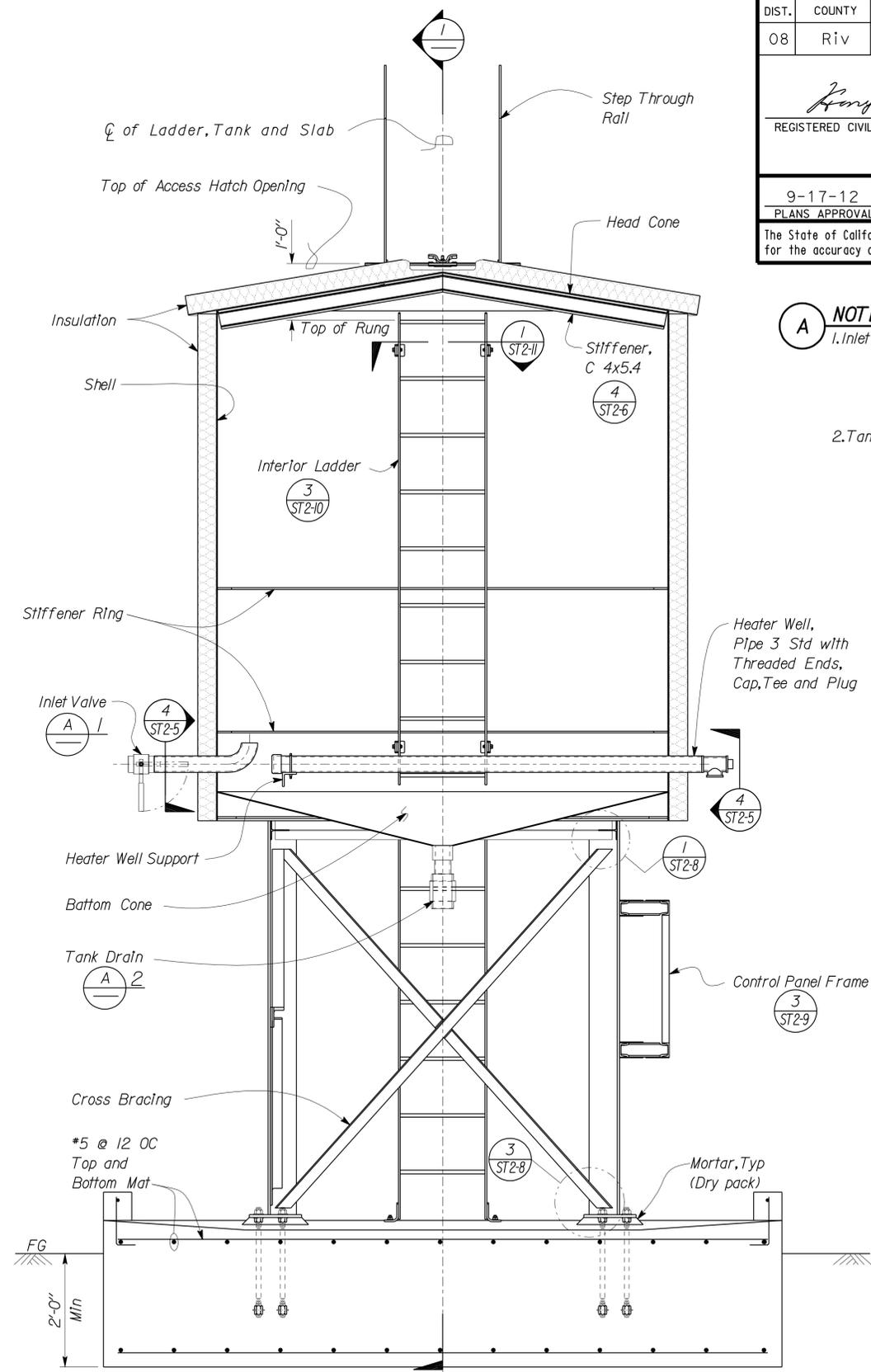
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
POST MILE NA	EMULSION TANK	EMULSION TANK ELEVATIONS	ST2-3

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		42	77
 REGISTERED CIVIL ENGINEER			09-12-11	DATE	
9-17-12 PLANS APPROVAL DATE					
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1 MAIN SECTION
 Scale $\frac{3}{4}'' = 1' - 0''$



2 CROSS SECTION
 Scale $\frac{3}{4}'' = 1' - 0''$

- NOTES**
- Inlet and Outlet:**
 3" Half coupling, nipple and long radius welded elbow, and 3" ball valve with stem turned sideways.
 - Tank Drain:**
 3" ball valve, with half coupling and pipe 3 x-strong nipple.

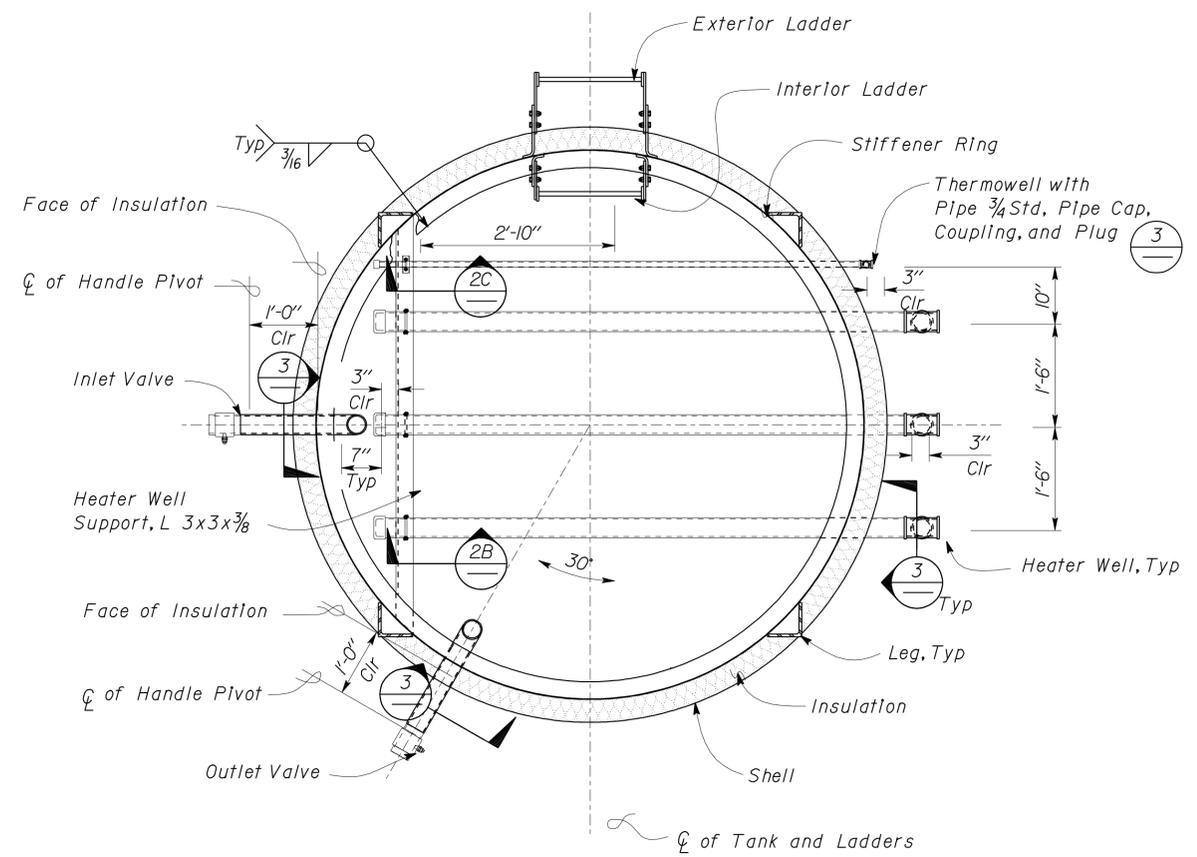
Anchor Bolt, 1" \varnothing with Double Nuts and 2"x2"x $\frac{3}{16}$ " Square Plate Washer at Bottom, Galvanized

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

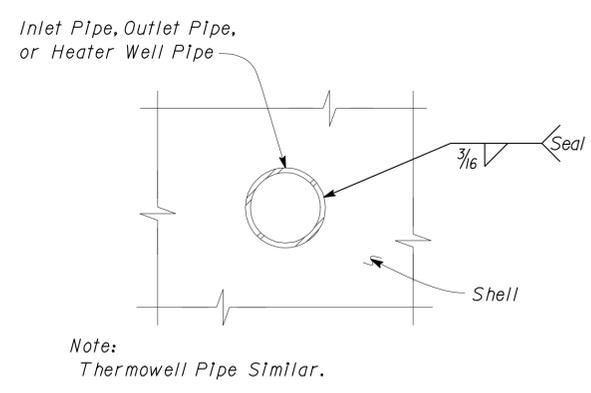
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728	BANNING MAINTENANCE STATION	SHEET
POST MILE	NA		
EMULSION TANK		EMULSION TANK SECTIONS	ST2-4

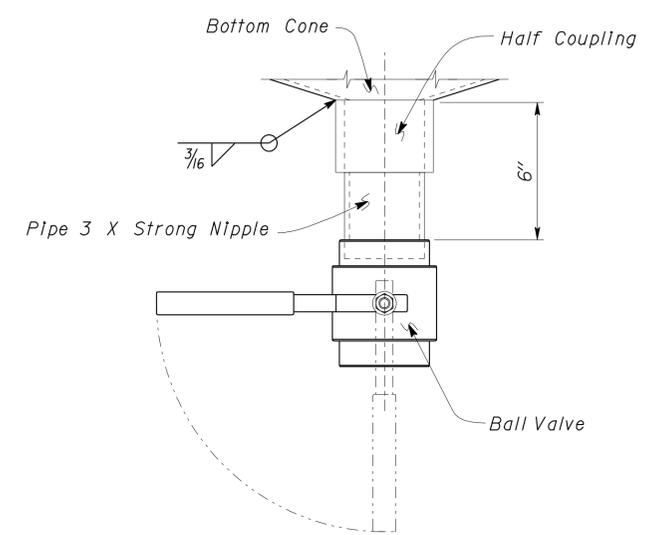
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		43	77
			09-12-11	REGISTERED PROFESSIONAL ENGINEER	
			DATE	Gang Hong No. 60406 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
			9-17-12	PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



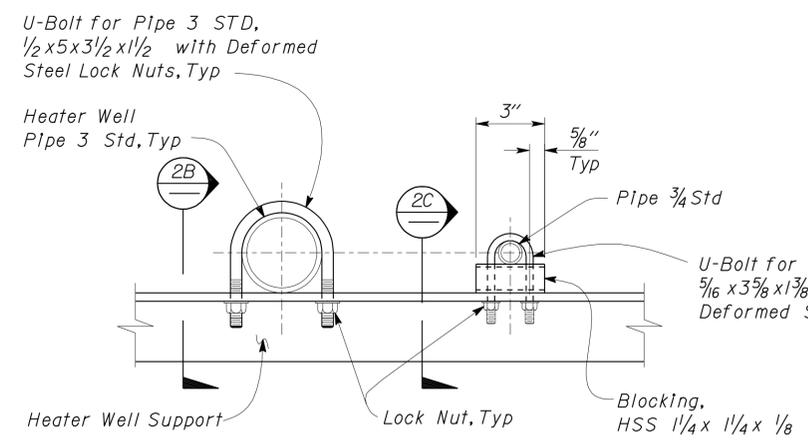
1 HEATER WELL LAYOUT
Scale 3/4" = 1' - 0"



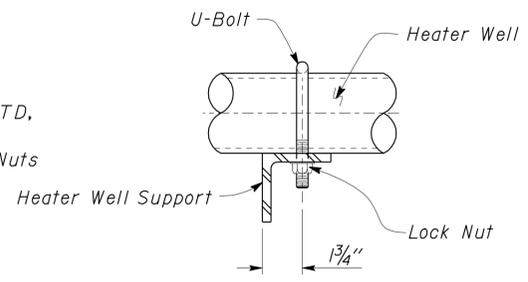
3 PIPE PENETRATION WELDING DETAIL
Scale 3" = 1' - 0"



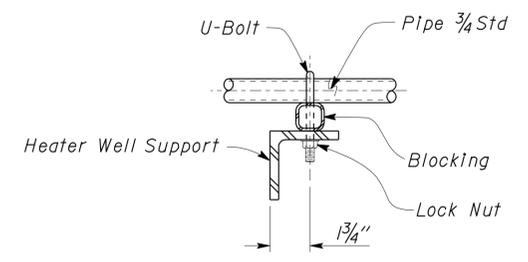
4 TANK DRAIN WELDING DETAIL
Scale 3" = 1' - 0"



A U-BOLT DETAIL



B U-BOLT DETAIL



C U-BOLT AND BLOCKING DETAIL

2 HEATER WELL SUPPORT DETAILS
Scale 3" = 1' - 0"

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

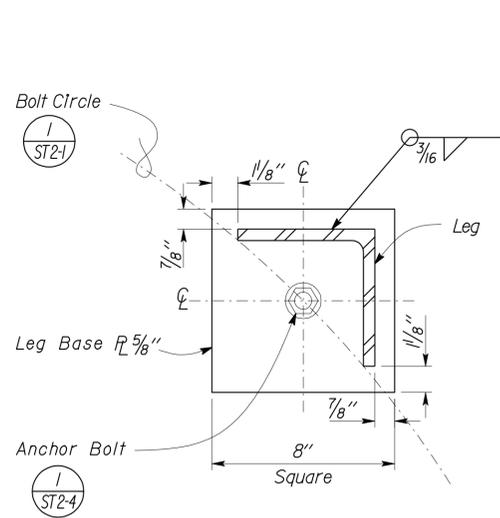
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
56M5728
POST MILE
NA

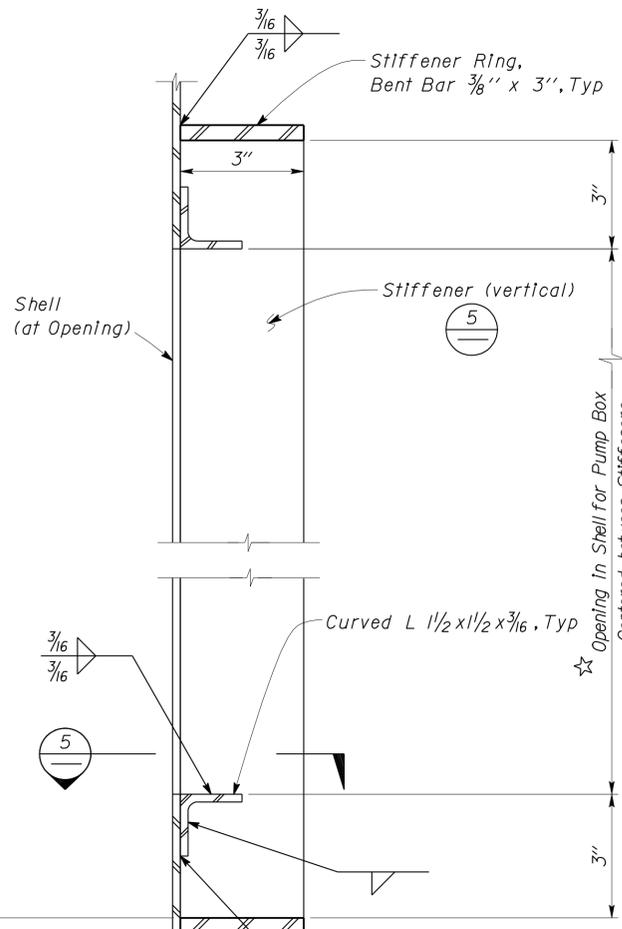
BANNING MAINTENANCE STATION
EMULSION TANK
HEATER WELL SECTIONS AND DETAILS

SHEET
ST2-5

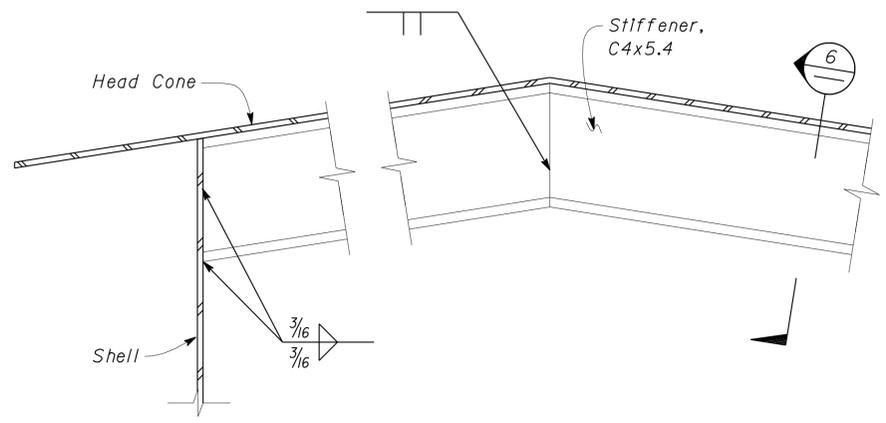
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		44	77
 REGISTERED CIVIL ENGINEER			09-12-11 DATE	REGISTERED PROFESSIONAL ENGINEER No. 60406 Exp. 6-30-12 CIVIL STATE OF CALIFORNIA	
9-17-12 PLANS APPROVAL DATE					
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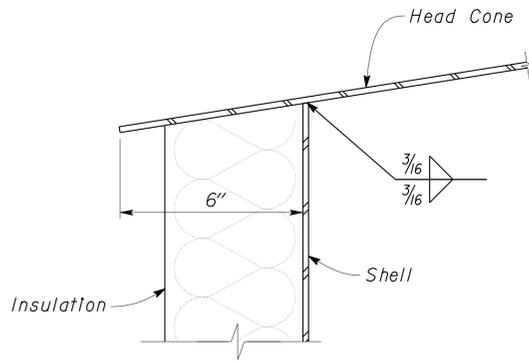
1 LEG ANCHORAGE DETAILS
Scale 3" = 1' - 0"



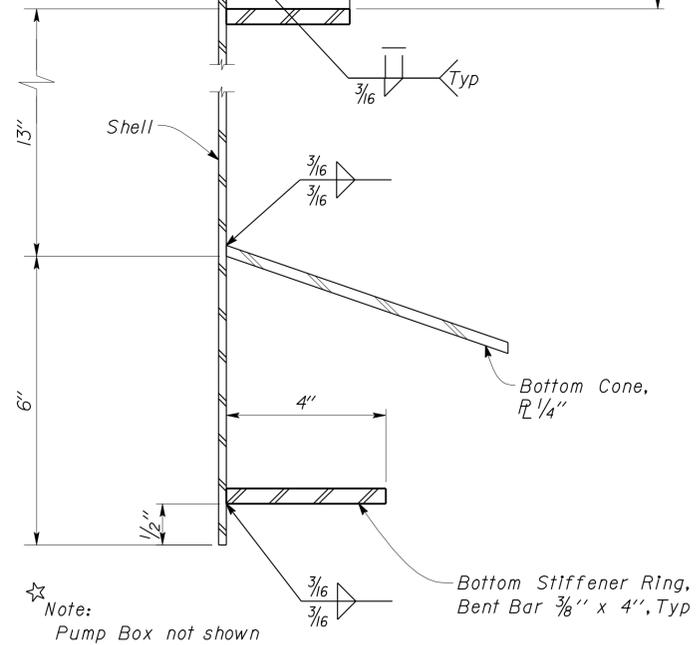
☆ **Weld Note**
Fillet Weld Pump Box to the Tank Shell all around, to provide liquid tight Seal.



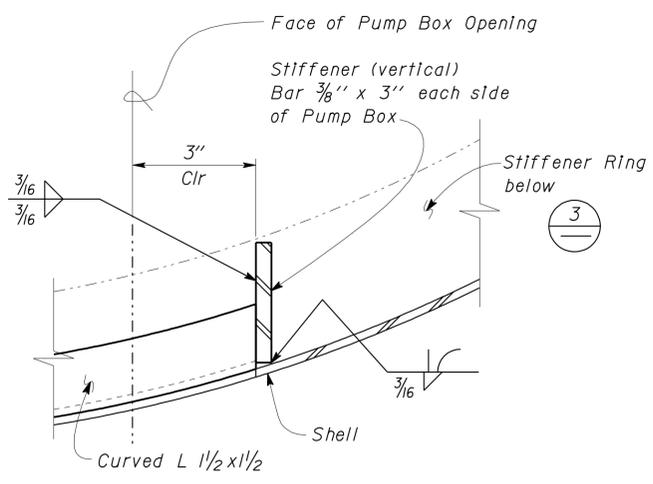
4 HEAD CONE STIFFENER WELD DETAIL
Scale 4" = 1' - 0"



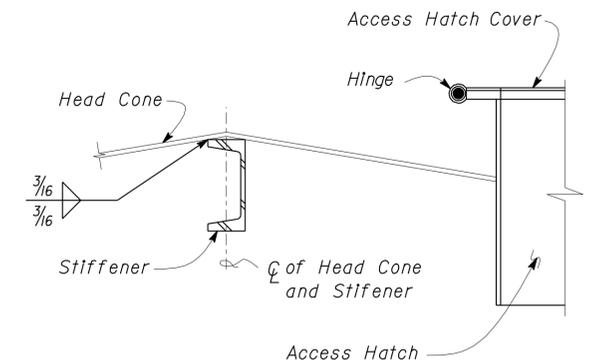
2 SHELL TO HEAD CONE WELD DETAIL
Scale 4" = 1' - 0"



3 SHELL WELDING DETAILS
No Scale



5 VERTICAL STIFFENER TO RING STIFFENER WELD DETAIL
No Scale



6 HEAD CONE STIFFENER SECTION
Scale 3" = 1' - 0"

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

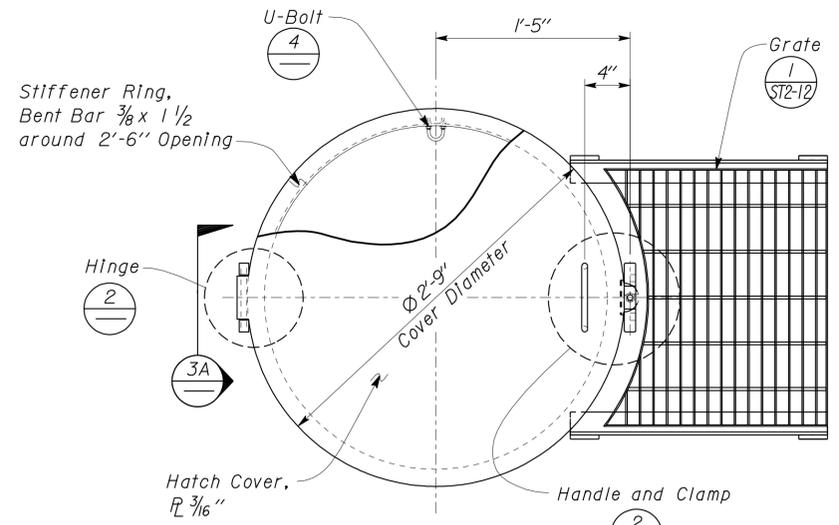
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
56M5728
POST MILE
NA

BANNING MAINTENANCE STATION
EMULSION TANK
EMULSION TANK DETAILS NO. 1

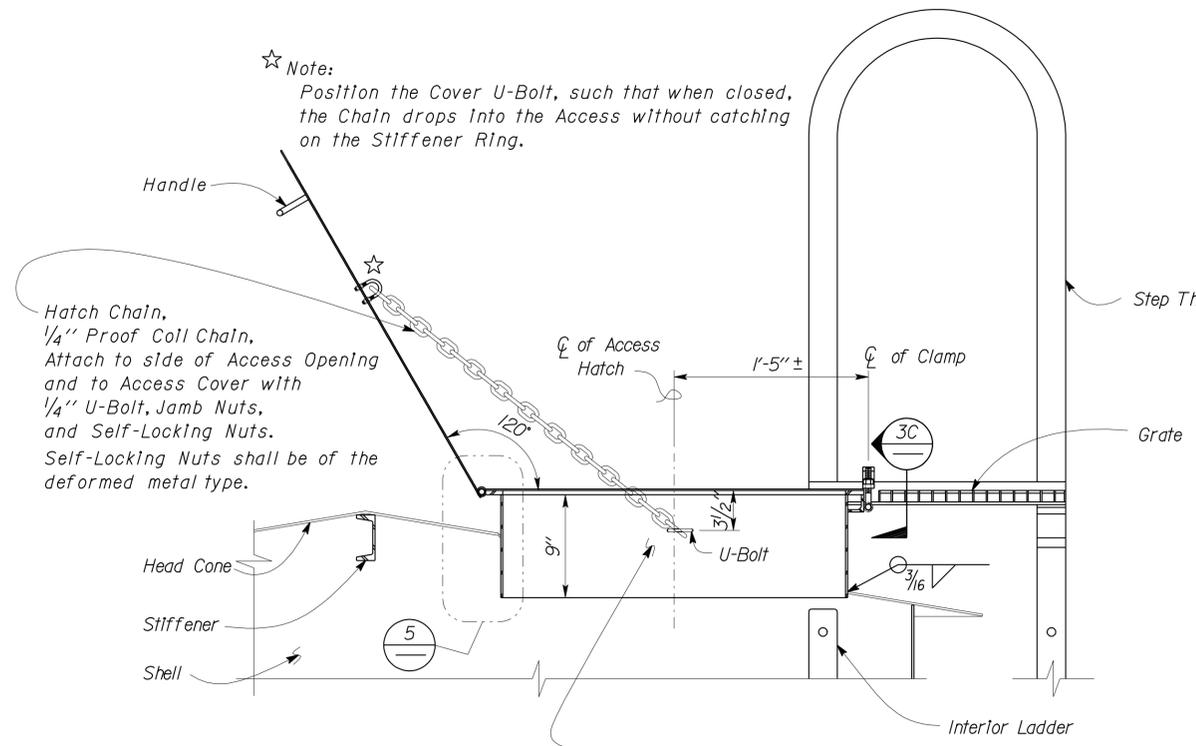
SHEET
ST2-6

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		45	77
 REGISTERED CIVIL ENGINEER			09-12-11	DATE	
9-17-12 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.					

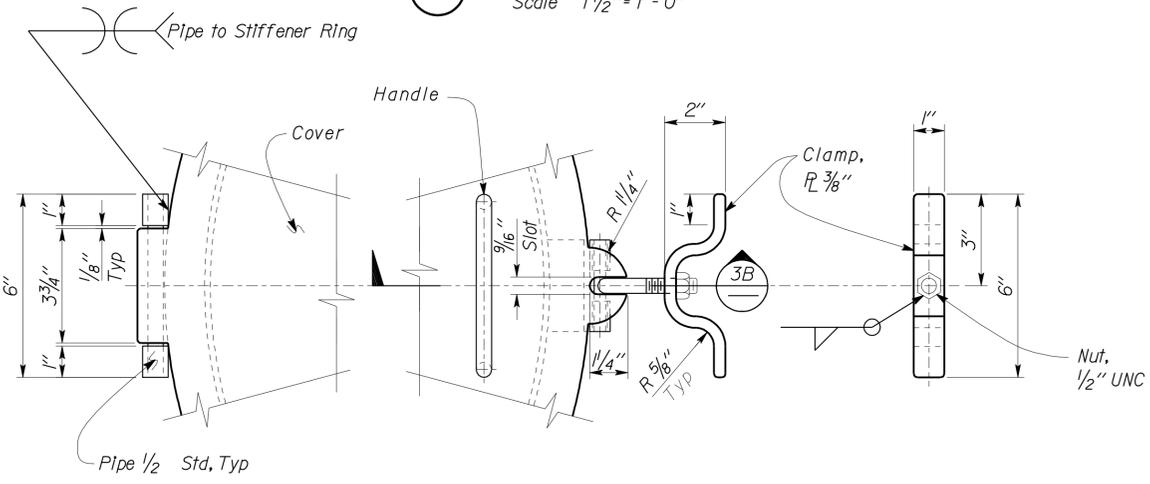


Note:
Plan shown rotated 90°

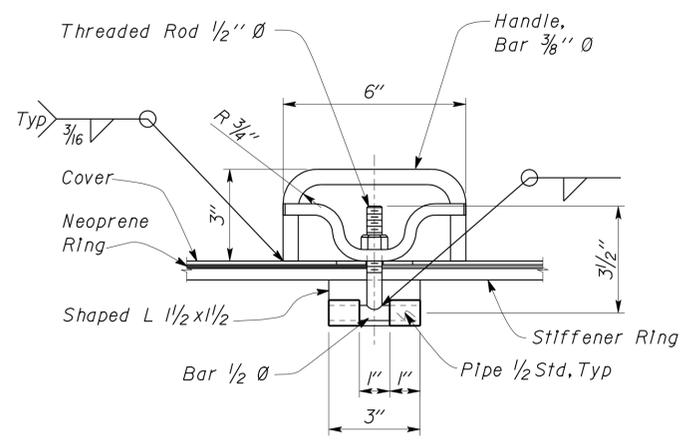
1 ACCESS HATCH PLAN
Scale 1 1/2" = 1' - 0"



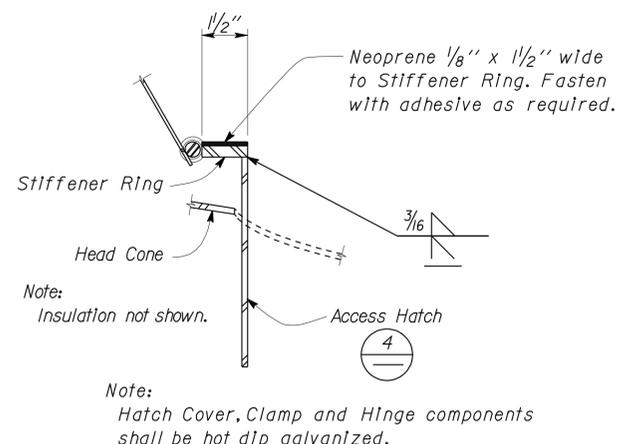
4 ACCESS HATCH SECTION
Scale 1 1/2" = 1' - 0"



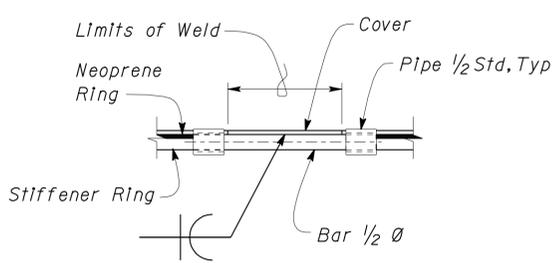
2 HATCH PARTIAL PLAN DETAILS
Scale 4" = 1' - 0"



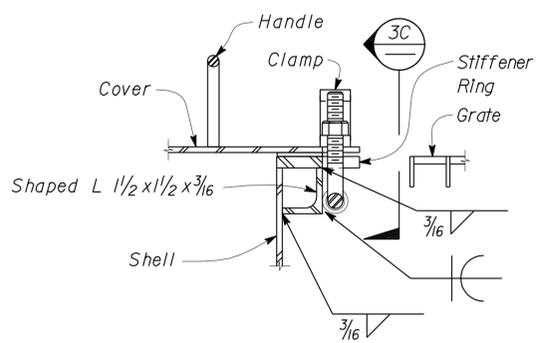
3 HATCH HINGE AND CLAMP DETAILS
Scale 4" = 1' - 0"



5 STIFFENER RING WELD DETAIL
Scale 4" = 1' - 0"



A HINGE END VIEW



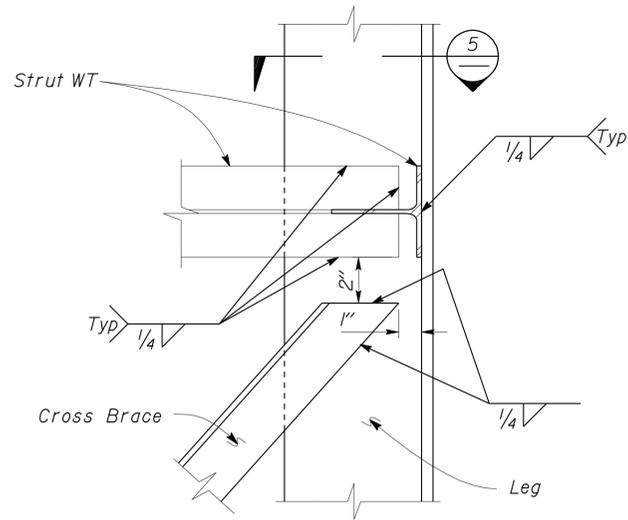
B HANDLE AND CLAMP

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		46	77

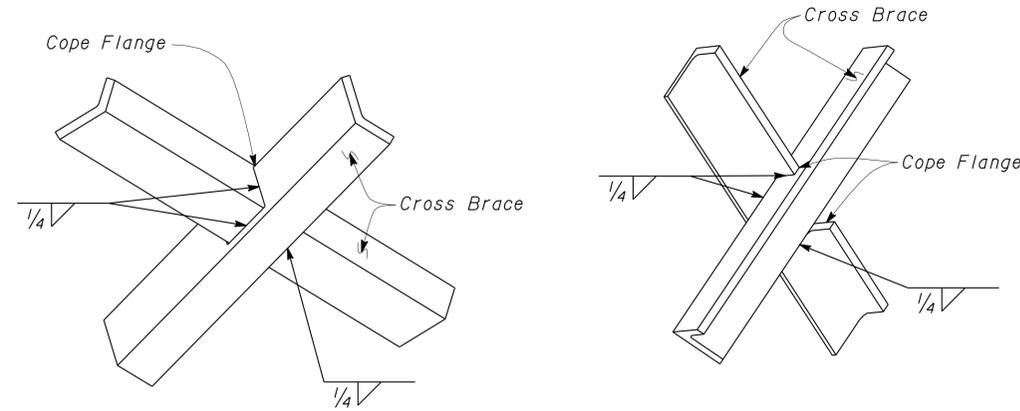


 REGISTERED CIVIL ENGINEER
 DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

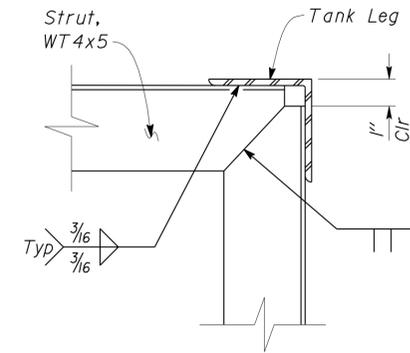
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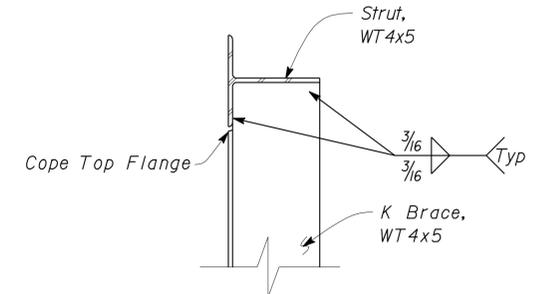
1 STRUT AND CROSS BRACE TO LEG DETAIL
Scale 3" = 1' - 0"



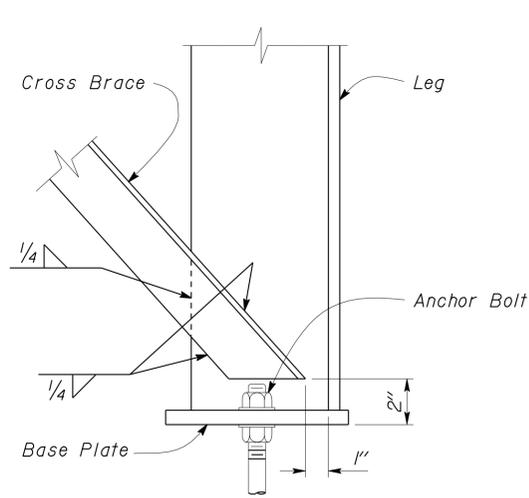
2 CROSS BRACE INTERSECTION DETAIL
Scale 3" = 1' - 0"



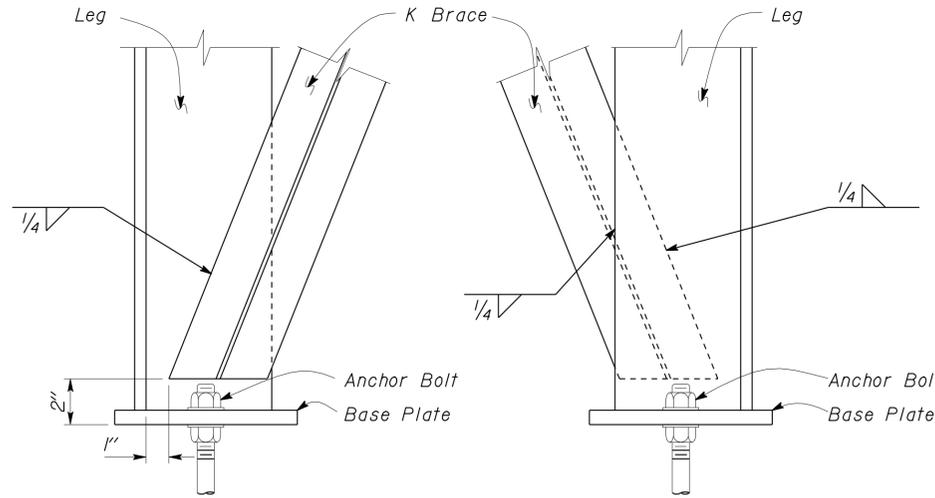
5 STRUT
No Scale



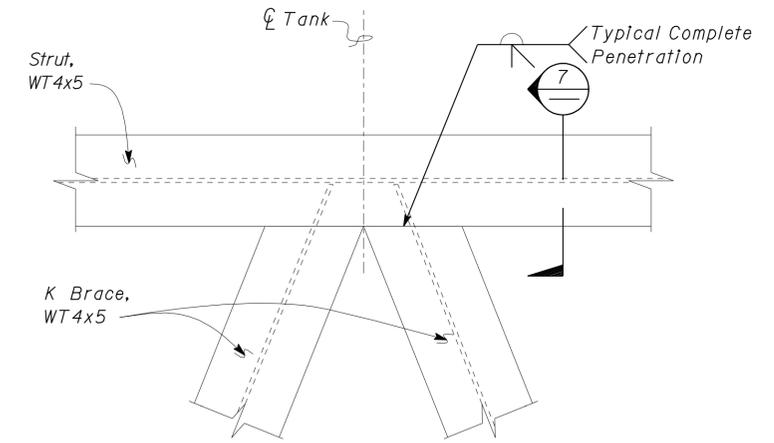
7 K BRACE SECTION
No Scale



3 CROSS BRACE TO LEG DETAIL
Scale 3" = 1' - 0"



4 K-BRACE TO LEG DETAIL
Scale 3" = 1' - 0"



6 K BRACE DETAIL
No Scale

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728
POST MILE	NA

BANNING MAINTENANCE STATION
EMULSION TANK
EMULSION TANK DETAILS NO. 3

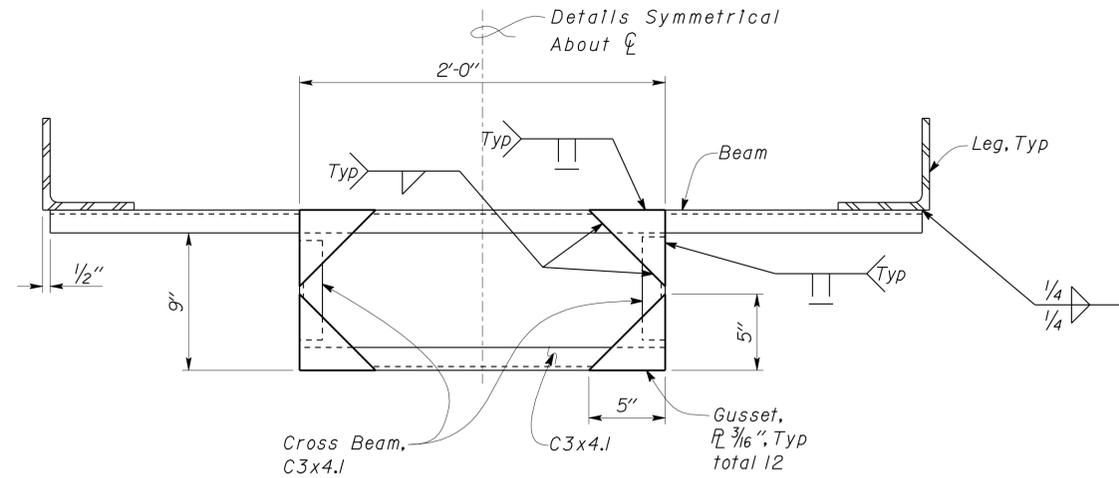
SHEET
ST2-8

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		47	77

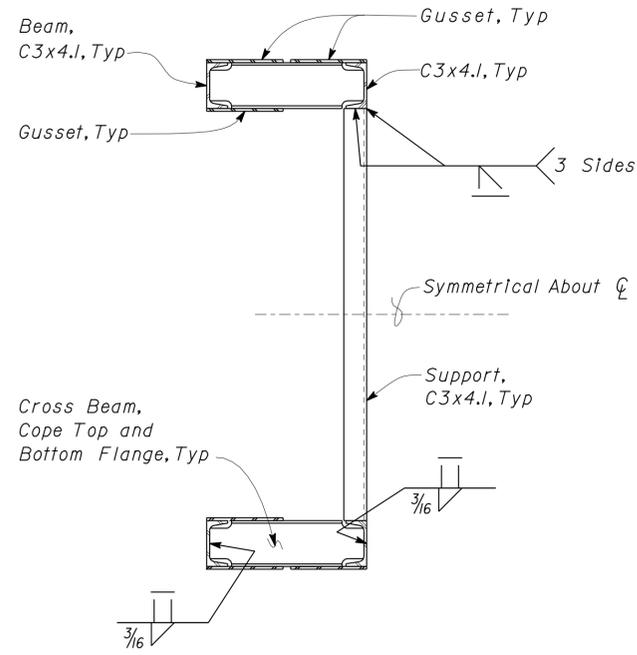

 REGISTERED CIVIL ENGINEER
 DATE 09-12-11
 PLANS APPROVAL DATE 9-17-12

REGISTERED PROFESSIONAL ENGINEER
 Gang Hong
 No. 60406
 Exp. 6-30-12
 CIVIL
 STATE OF CALIFORNIA

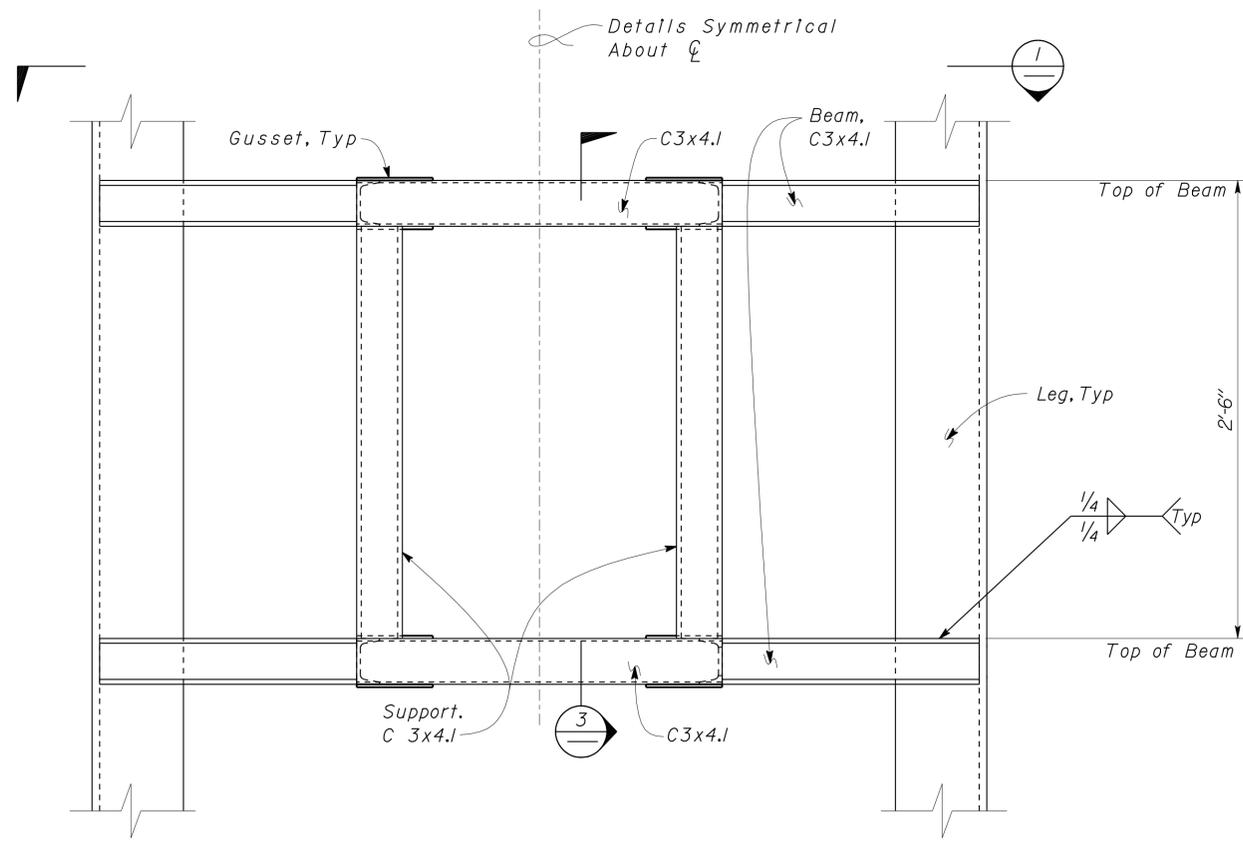
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1 CONTROL PANEL SUPPORT FRAME PLAN
Scale 2" = 1' - 0"



3 CONTROL PANEL SUPPORT FRAME SECTION
Scale 2" = 1' - 0"



2 CONTROL PANEL SUPPORT FRAME ELEVATION
Scale 2" = 1' - 0"

DESIGN	BY Gang Hong	CHECKED Thomas Tong
DETAILS	BY Andrew A. Lovato	CHECKED Gang Hong
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

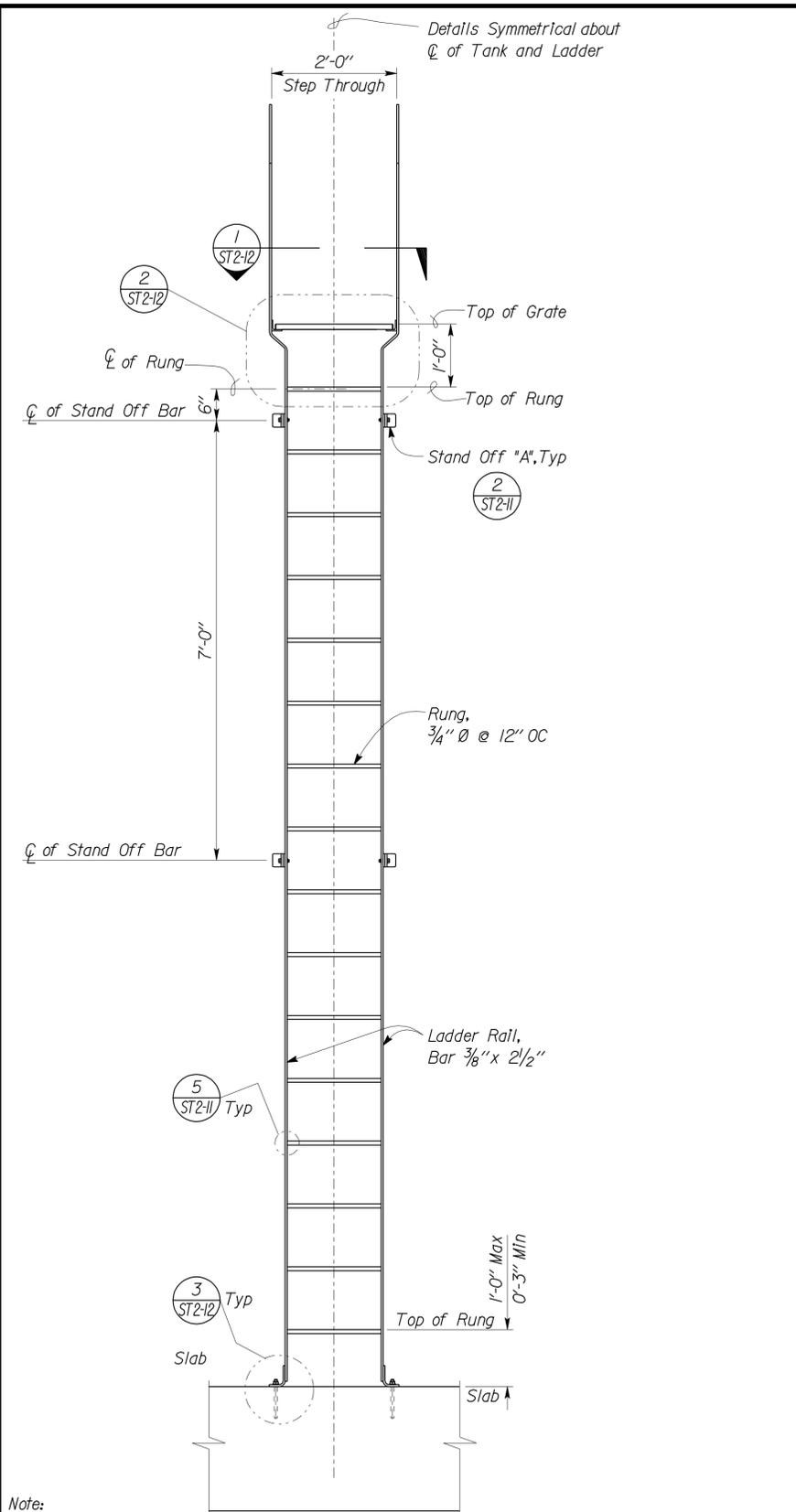
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	56M5728
POST MILE	NA

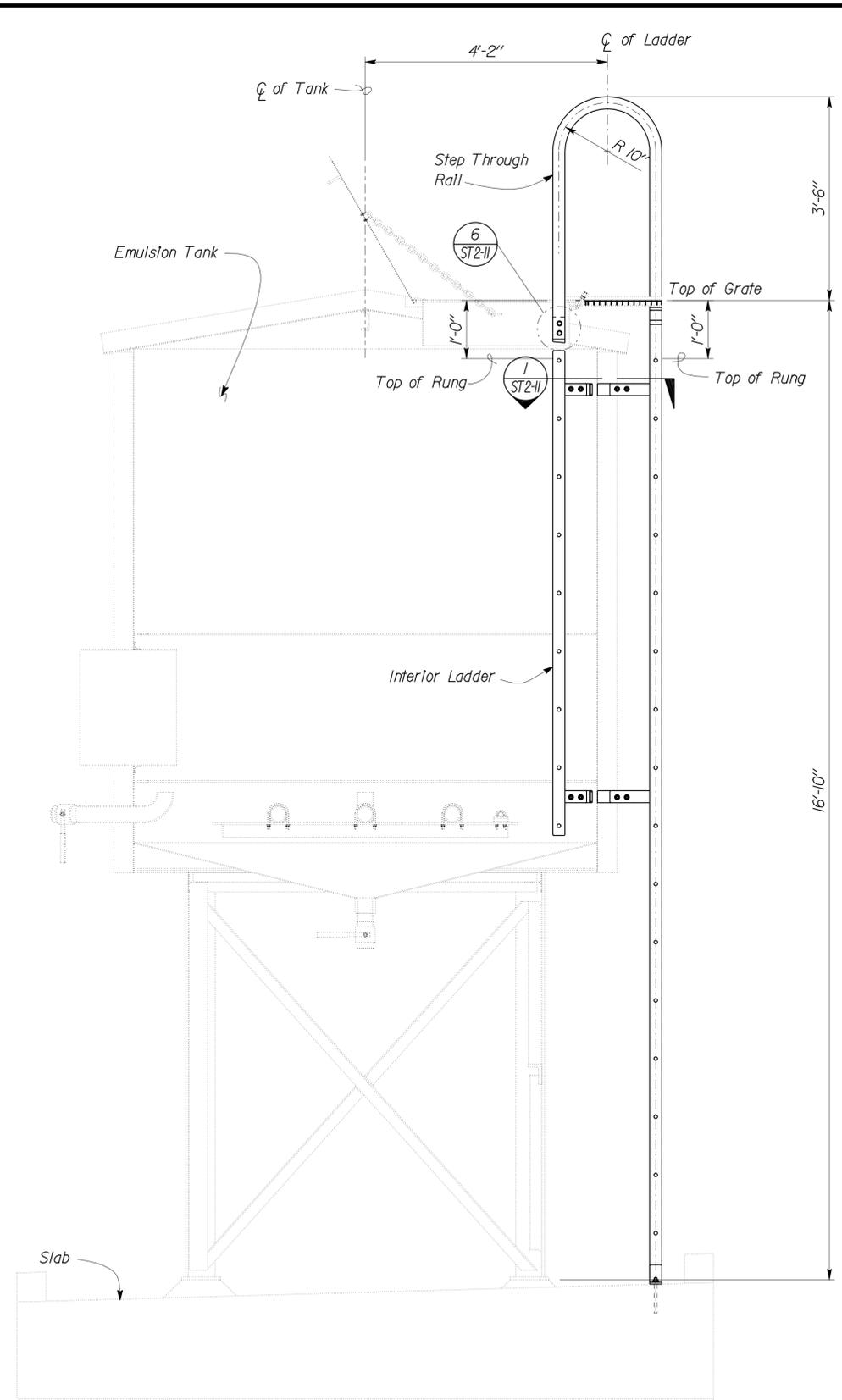
BANNING MAINTENANCE STATION
EMULSION TANK
EMULSION TANK DETAILS NO. 4

SHEET
ST2-9

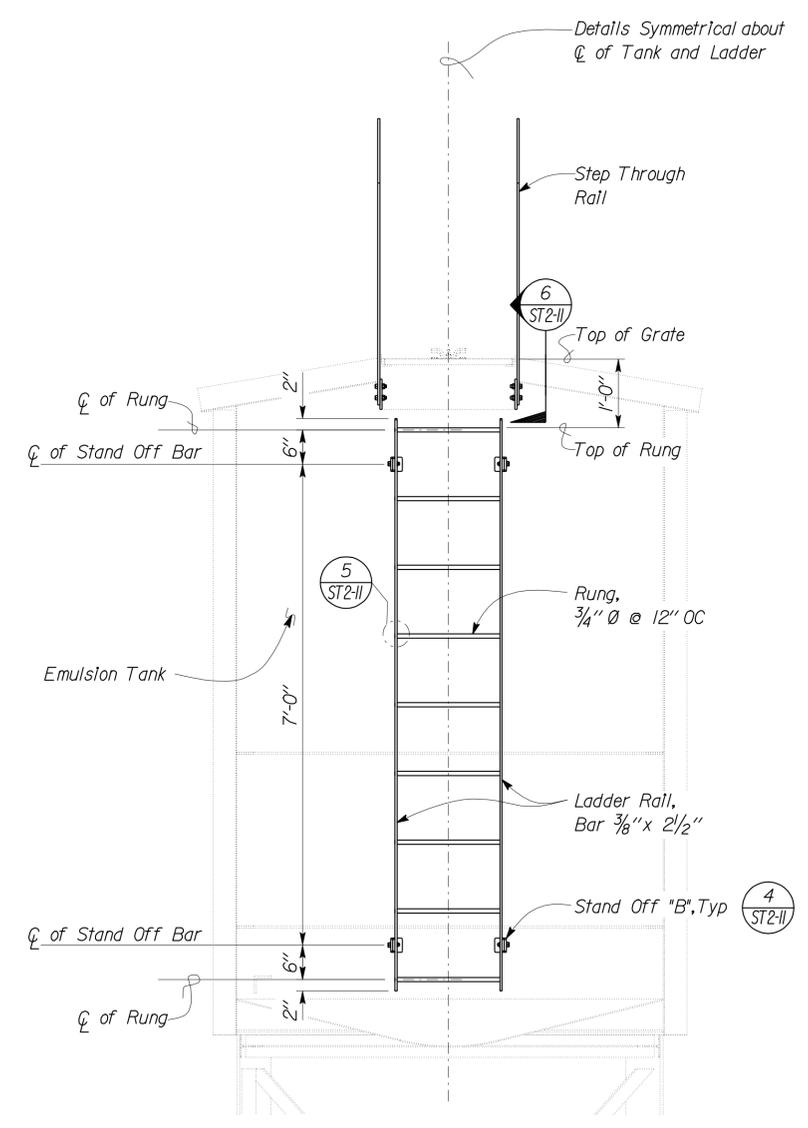
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		48	77
 REGISTERED CIVIL ENGINEER			DATE		
9-17-12			PLANS APPROVAL DATE		
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1 STEP THROUGH LADDER ELEVATION
Scale 3/4" = 1'-0"



2 STEP THROUGH LADDER AND INTERIOR LADDER SECTION
Scale 3/4" = 1'-0"

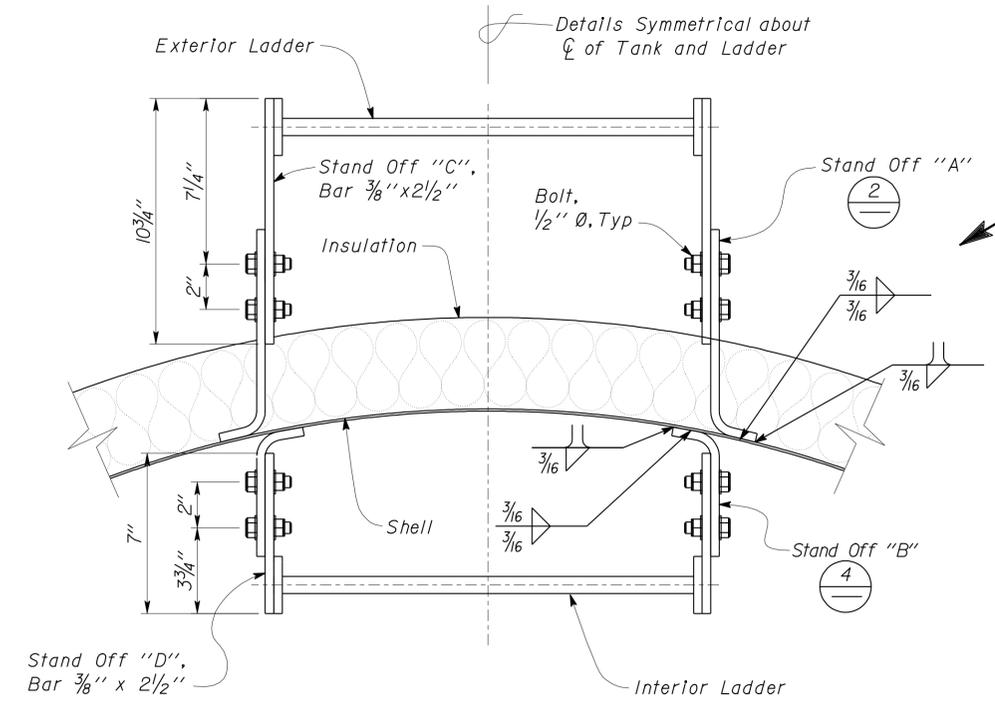


3 INTERIOR LADDER ELEVATION
Scale 3/4" = 1'-0"

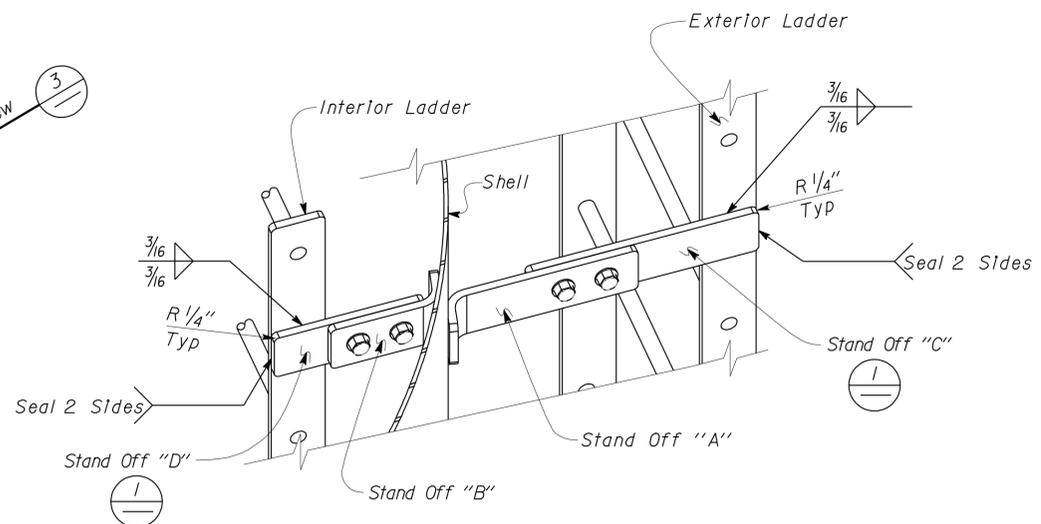
Note:
Emulsion Tank not Shown

DESIGN	BY	Gang Hong	CHECKED	Thomas Tong	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION		SHEET					
	DETAILS	BY	Andrew A. Lovato	CHECKED			Gang Hong	56M5728	EMULSION TANK		OF				
QUANTITIES	BY		CHECKED				NA	EMULSION TANK DETAILS NO. 5		ST2-10					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS						0	1	2	3		UNIT	3581	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET
PROJECT NUMBER & PHASE						0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES		05-16-11	EA 000000		05-16-11			

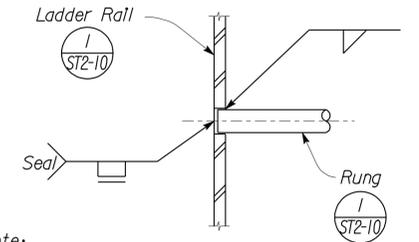
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		49	77
			09-12-11	DATE	
REGISTERED CIVIL ENGINEER					
9-17-12 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



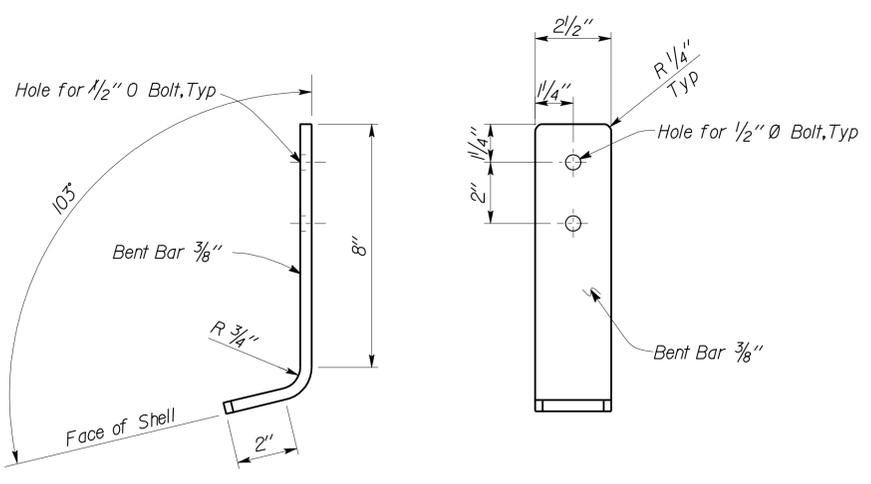
1 STAND OFF PLAN
Scale 3" = 1' - 0"



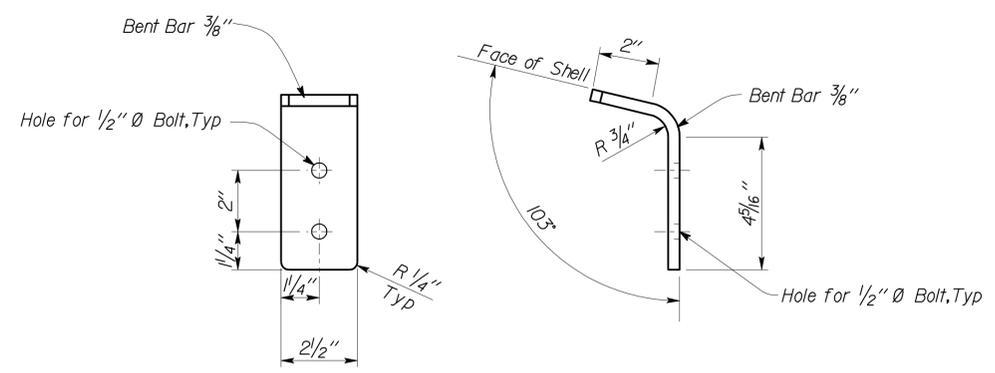
3 STAND OFF 'C' & 'D' DETAILS
Scale 3" = 1' - 0"



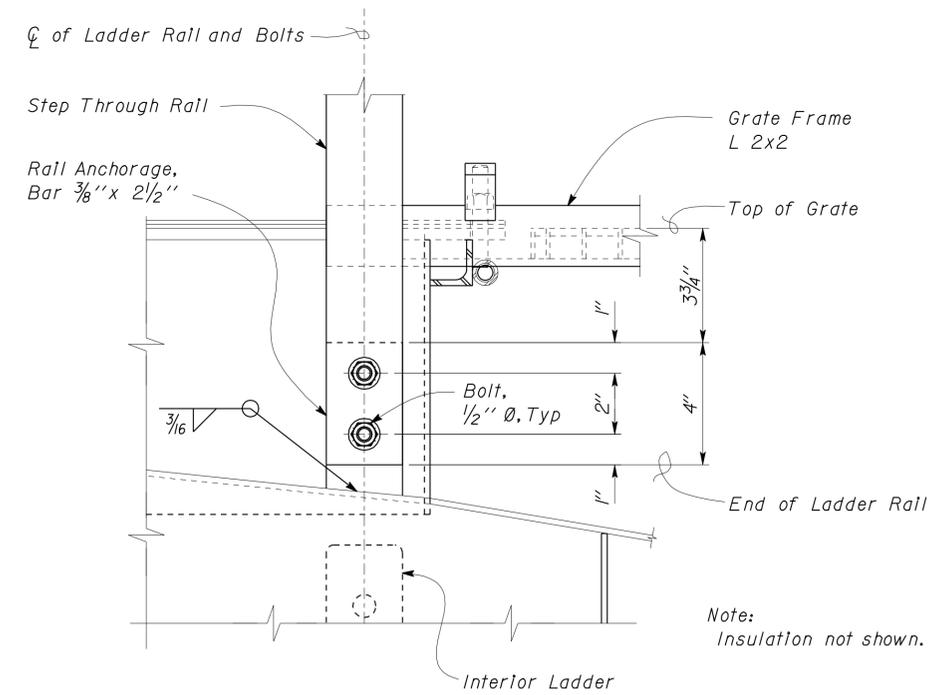
5 RUNG WELD DETAIL
Scale 4" = 1' - 0"



2 STAND OFF 'A' DETAILS
Scale 4" = 1' - 0"



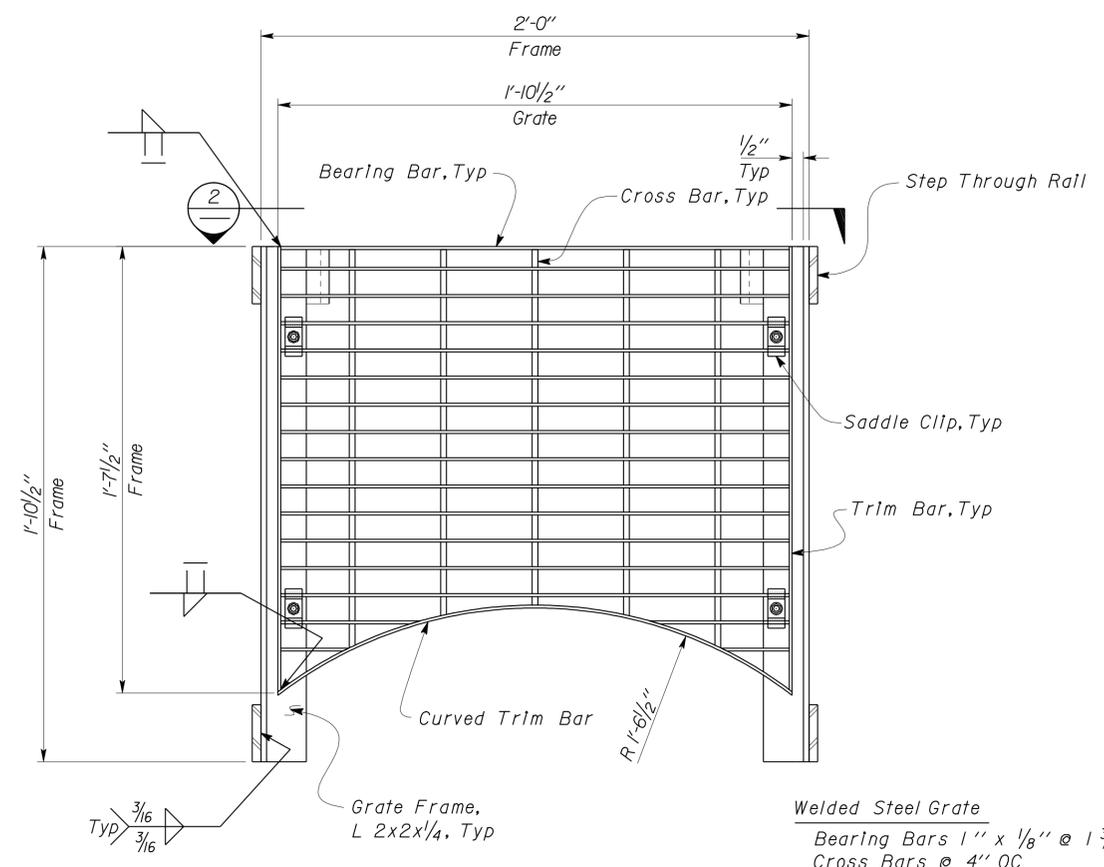
4 STAND OFF 'B' DETAILS
Scale 4" = 1' - 0"



6 STEP THROUGH RAIL CONNECTION
No Scale

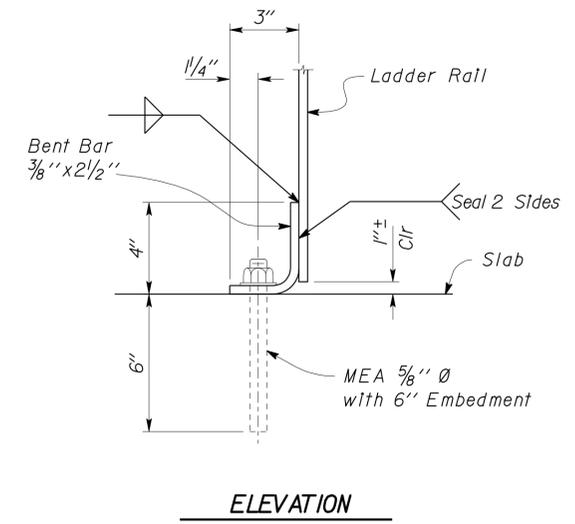
DESIGN	BY	Gang Hong	CHECKED	Thomas Tong	BRIDGE NO.	56M5728	BANNING MAINTENANCE STATION	SHEET			
	DETAILS	BY	Andrew A. Lovato	CHECKED		Gang Hong			POST MILE	NA	EMULSION TANK
QUANTITIES	BY		CHECKED		PROJECT NUMBER & PHASE	3581 0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	05-16-11	SHEET	OF
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION					DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		EMULSION TANK		EMULSION TANK DETAILS NO. 6		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					UNIT		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET		
0 1 2 3					EA 000000		05-16-11		OF		
D:\User\Projects\08\0800020324_Banning_MS\Expedite_12-05-11\st2_11.dgn											

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		50	77
 REGISTERED CIVIL ENGINEER			09-12-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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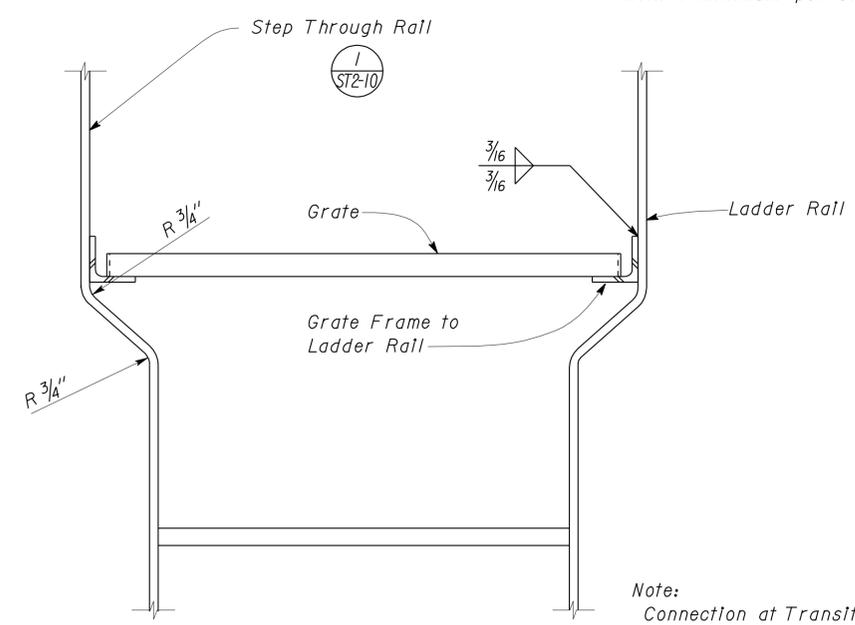


1 WELDED STEEL GRATE PLAN
Scale 3" = 1'-0"

Welded Steel Grate
 Bearing Bars 1" x 1/8" @ 1 3/16" OC
 Cross Bars @ 4" OC
 Trim Bars 1" x 1/8" fillet welded to ends of Bearing Bars
 Grate shall be anchored to supports with 1/4" Ø threaded stud and "Saddle Clip" type fastener, as recommended by the manufacturer. Fasteners shall be installed maximum 4" from ends with 4 minimum per Grate.

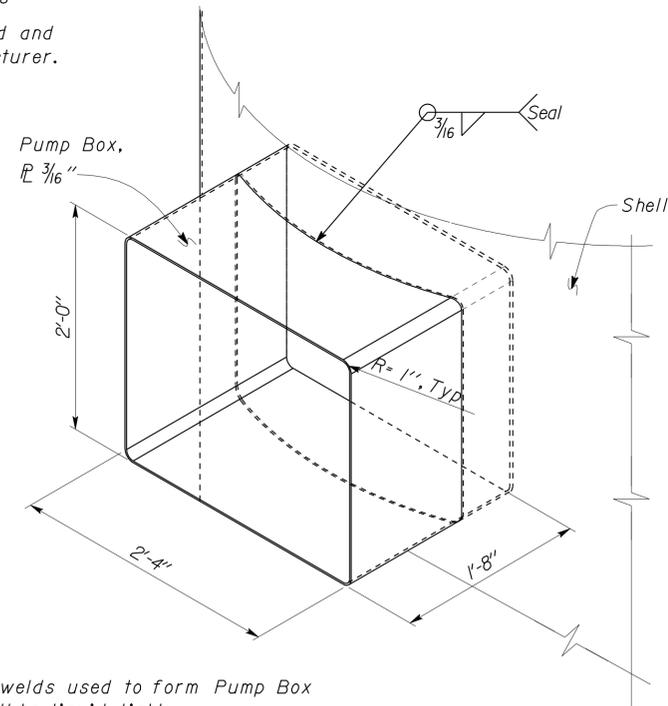


3 LADDER RAIL ANCHORAGE DETAIL
Scale 3" = 1'-0"



2 STEP THROUGH RAIL DETAIL
Scale 3" = 1'-0"

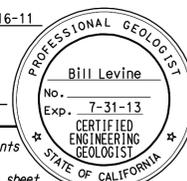
Note:
Connection at Transition shown, connection at Rail Anchorage similar.



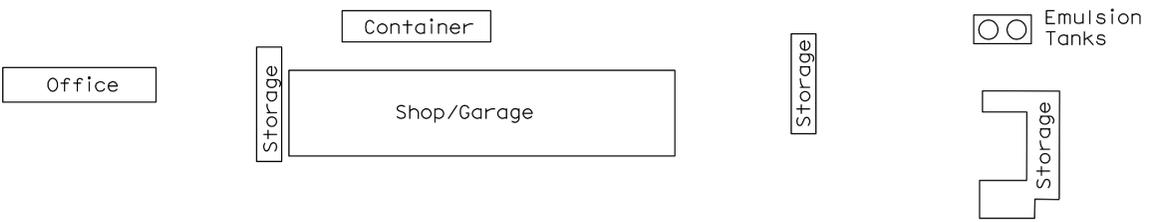
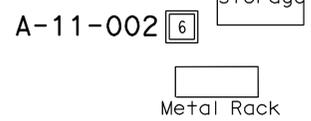
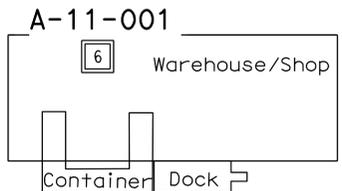
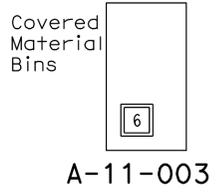
4 PUMP BOX DETAIL
Scale 1 1/2" = 1'-0"

Notes
 1. All welds used to form Pump Box shall be liquid tight.
 2. See Mechanical Plans

DESIGN BY Gang Hong CHECKED Thomas Tong	DETAILS BY Andrew A. Lovato CHECKED Gang Hong	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET
					POST MILE NA	EMULSION TANK	EMULSION TANK DETAILS NO. 7	ST2-12
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT PROJECT NUMBER & PHASE 3581 0800020324-1	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
DC023M1610 Imperial Rev. 9/02			EA 000000		05-16-11		D:\User\Projects\01st_08\0800020324_Banning_MS\Expedite_12-05-11\st12_12.dgn	

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	5728		51	77
					
CERTIFIED ENGINEERING GEOLOGIST No. _____ Exp. 7-31-13 PLANS APPROVAL DATE 9-17-12					
<i>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.</i>					

This LOTB sheet was prepared in accordance with the Caltrans Soil & Rock Logging, Classification, & Presentation Manual (2010 Edition).



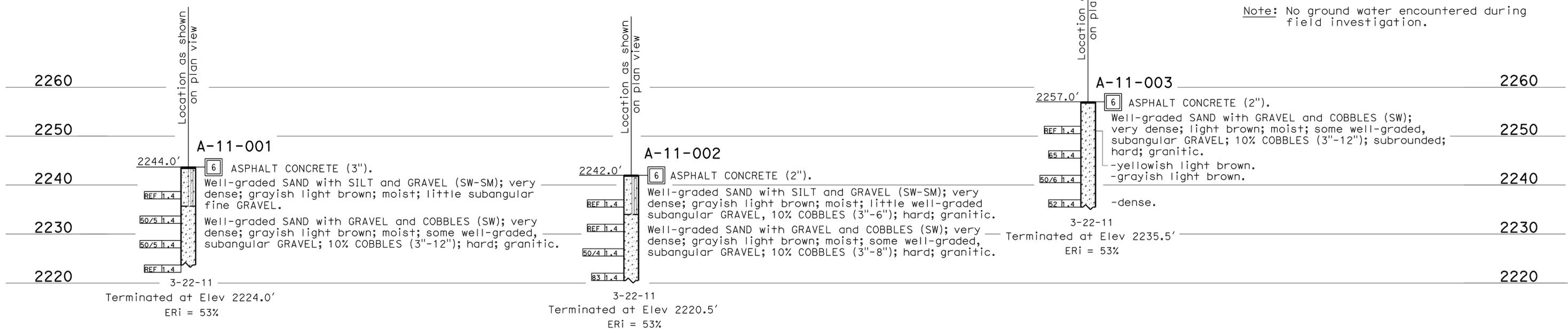
BENCH MARK

Set TBM NEC loading dock deck near existing storage container as shown site plan and Google Earth picture. Assumed TBE Elev 2247.0'

BANNING MAINTENANCE STATION

PLAN
Not To Scale

Note: No ground water encountered during field investigation.



PROFILE

Horiz: Not To Scale
Vert: 1" = 10'

ENGINEERING SERVICES		MATERIALS AND GEOTECHNICAL SERVICES		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		BANNING MAINTENANCE STATION	
FUNCTIONAL SUPERVISOR		DRAWN BY: W. Tang 08/11		DEPARTMENT OF TRANSPORTATION		STRUCTURE DESIGN		56-M5728		LOG OF TEST BORINGS 1 OF 3	
NAME: A. Perez-Cobo		CHECKED BY: C. Chen		FIELD INVESTIGATION BY: D. Cook		DESIGN BRANCH X		POST MILE		REVISION DATES	
06S CIVIL LOG OF TEST BORINGS SHEET		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT: 3643		PROJECT NUMBER & PHASE: 0800020324 1		CONTRACT NO.: 08-499801		SHEET OF	
				0 1 2 3						08-16-11	
						FILE => sf_Log01_of_03.dgn				X X	

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:39

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	5728		52	77

Bill Levine
 8-16-11
 CERTIFIED ENGINEERING GEOLOGIST

PROFESSIONAL GEOLOGIST
 Bill Levine
 No. 2108
 Exp. 7-31-13
 CERTIFIED ENGINEERING GEOLOGIST
 STATE OF CALIFORNIA

9-17-12
 PLANS APPROVAL DATE

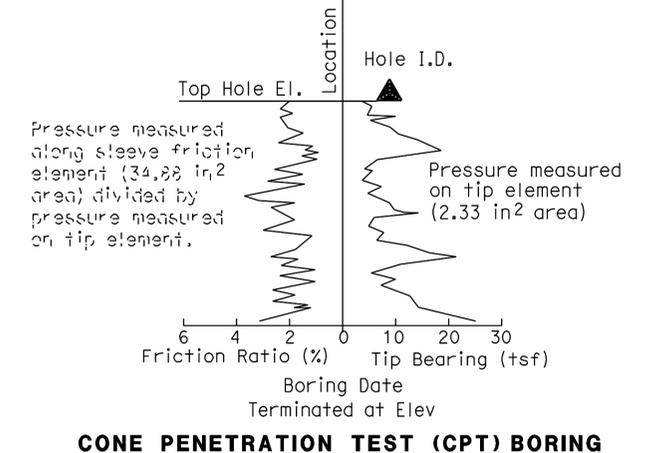
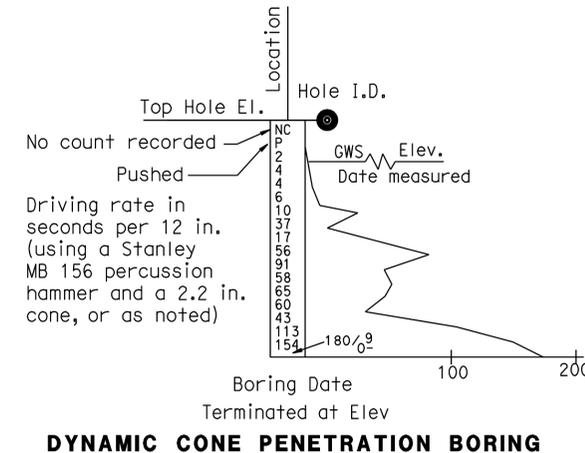
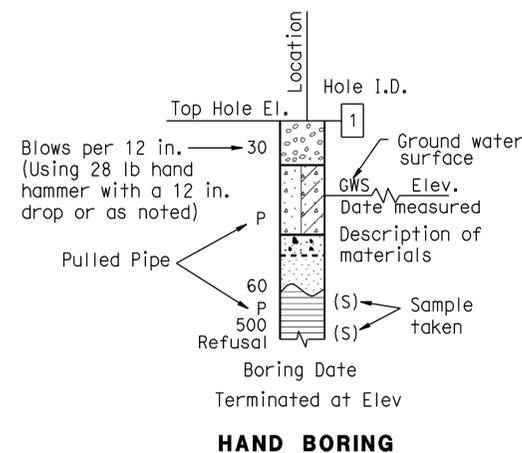
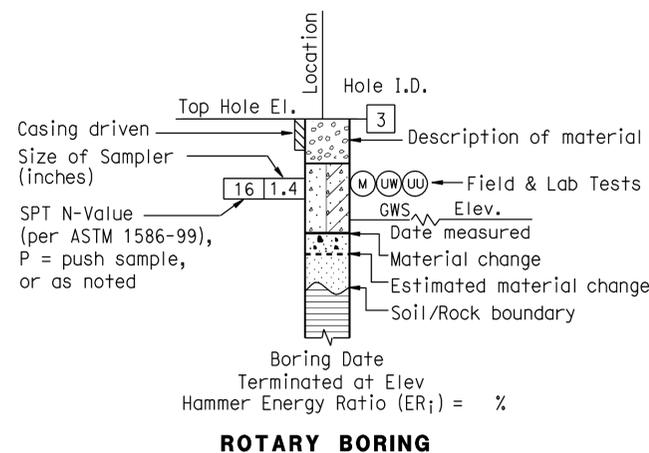
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CEMENTATION	
Description	Criteria
Weak	Crumbles or breaks with handling or little finger pressure.
Moderate	Crumbles or breaks with considerable finger pressure.
Strong	Will not crumble or break with finger pressure.

BOREHOLE IDENTIFICATION		
Symbol	Hole Type	Description
	A	Auger Boring (hollow or solid stem bucket)
	R	Rotary drilled boring (conventional)
	RW	Rotary drilled with self-casing wire-line
	RC	Rotary core with continuously-sampled, self-casing wire-line
	P	Rotary percussion boring (air)
	R	Rotary drilled diamond core
	HD	Hand driven (1-inch soil tube)
	HA	Hand Auger
	D	Dynamic Cone Penetration Boring
	CPT	Cone Penetration Test (ASTM D 5778)
	O	Other (note on LOTB)

Note: Size in inches.

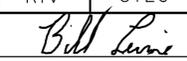
CONSISTENCY OF COHESIVE SOILS				
Description	Shear Strength (tsf)	Pocket Penetrometer Measurement, PP, (tsf)	Torvane Measurement, TV, (tsf)	Vane Shear Measurement, VS, (tsf)
Very Soft	Less than 0.12	Less than 0.25	Less than 0.12	Less than 0.12
Soft	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
Medium Stiff	0.25 - 0.5	0.5 - 1	0.25 - 0.5	0.25 - 0.5
Stiff	0.5 - 1	1 - 2	0.5 - 1	0.5 - 1
Very Stiff	1 - 2	2 - 4	1 - 2	1 - 2
Hard	Greater than 2	Greater than 4	Greater than 2	Greater than 2



ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X	BRIDGE NO. 56-M5728 POST MILE N/A	BANNING MAINTENANCE STATION LOG OF TEST BORINGS 2 OF 3
	PREPARED BY: W. Tang 08/11				
GS LOTB SOIL LEGEND	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3643 PROJECT NUMBER & PHASE: 0800020324 1	CONTRACT NO.: 08-499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES
			FILE => st_Log02_of_03.dgn		REVISION DATES SHEET OF X X

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:39

DIST	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
08	Riv	5728		53	77


 8-16-11
 CERTIFIED ENGINEERING GEOLOGIST
 No. 2108
 Exp. 7-31-13
 PLANS APPROVAL DATE
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GROUP SYMBOLS AND NAMES					
Graphic/Symbol	Group Names	Graphic/Symbol	Group Names	Graphic/Symbol	Group Names
	Well-graded GRAVEL		CL		Lean CLAY
	Well-graded GRAVEL with SAND				Lean CLAY with SAND
	Poorly-graded GRAVEL		CL		Lean CLAY with GRAVEL
	Poorly-graded GRAVEL with SAND				SANDY lean CLAY
	Well-graded GRAVEL with SILT		CL-ML		SILTY CLAY
	Well-graded GRAVEL with SILT and SAND				SILTY CLAY with SAND
	Well-graded GRAVEL with CLAY (or SILTY CLAY)		CL-ML		SILTY CLAY with GRAVEL
	Well-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)				SANDY SILTY CLAY
	Poorly-graded GRAVEL with SILT		ML		SILT
	Poorly-graded GRAVEL with SILT and SAND				SILT with SAND
	Poorly-graded GRAVEL with CLAY (or SILTY CLAY)		ML		SILT with GRAVEL
	Poorly-graded GRAVEL with CLAY and SAND (or SILTY CLAY and SAND)				SANDY SILT
	SILTY GRAVEL		OL		ORGANIC lean CLAY
	SILTY GRAVEL with SAND				ORGANIC lean CLAY with SAND
	CLAYEY GRAVEL		OL		ORGANIC lean CLAY with GRAVEL
	CLAYEY GRAVEL with SAND				SANDY ORGANIC lean CLAY
	SILTY, CLAYEY GRAVEL		OL		SANDY ORGANIC lean CLAY with GRAVEL
	SILTY, CLAYEY GRAVEL with SAND				GRAVELLY ORGANIC lean CLAY
	Well-graded SAND		CH		ORGANIC SILT
	Well-graded SAND with GRAVEL				ORGANIC SILT with SAND
	Poorly-graded SAND		CH		ORGANIC SILT with GRAVEL
	Poorly-graded SAND with GRAVEL				SANDY ORGANIC SILT
	Well-graded SAND with SILT		MH		SANDY ORGANIC SILT with GRAVEL
	Well-graded SAND with SILT and GRAVEL				GRAVELLY elastic SILT
	Well-graded SAND with CLAY (or SILTY CLAY)		MH		GRAVELLY elastic SILT with SAND
	Well-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)				ORGANIC fat CLAY
	Poorly-graded SAND with SILT		OH		ORGANIC fat CLAY with SAND
	Poorly-graded SAND with SILT and GRAVEL				ORGANIC fat CLAY with GRAVEL
	Poorly-graded SAND with CLAY (or SILTY CLAY)		OH		SANDY ORGANIC fat CLAY
	Poorly-graded SAND with CLAY and GRAVEL (or SILTY CLAY and GRAVEL)				SANDY ORGANIC fat CLAY with GRAVEL
	SILTY SAND		OH		GRAVELLY ORGANIC fat CLAY
	SILTY SAND with GRAVEL				GRAVELLY ORGANIC fat CLAY with SAND
	CLAYEY SAND		OH		ORGANIC elastic SILT
	CLAYEY SAND with GRAVEL				ORGANIC elastic SILT with SAND
	SILTY, CLAYEY SAND		OH		ORGANIC elastic SILT with GRAVEL
	SILTY, CLAYEY SAND with GRAVEL				SANDY ORGANIC elastic SILT
	PEAT		OL/OH		GRAVELLY ORGANIC elastic SILT
	COBBLES				GRAVELLY ORGANIC elastic SILT with SAND
	COBBLES and BOULDERS		OL/OH		ORGANIC SOIL
	BOULDERS				ORGANIC SOIL with SAND
					ORGANIC SOIL with GRAVEL
					SANDY ORGANIC SOIL
					SANDY ORGANIC SOIL with GRAVEL
					GRAVELLY ORGANIC SOIL
					GRAVELLY ORGANIC SOIL with SAND

FIELD AND LABORATORY TESTING	
(C)	Consolidation (ASTM D 2435)
(CL)	Collapse Potential (ASTM D 5333)
(CP)	Compaction Curve (CTM 216)
(CR)	Corrosivity Testing (CTM 643, CTM 422, CTM 417)
(CU)	Consolidated Undrained Triaxial (ASTM D 4767)
(DS)	Direct Shear (ASTM D 3080)
(EI)	Expansion Index (ASTM D 4829)
(M)	Moisture Content (ASTM D 2216)
(OC)	Organic Content-% (ASTM D 2974)
(P)	Permeability (CTM 220)
(PA)	Particle Size Analysis (ASTM D 422)
(PI)	Plasticity Index (AASHTO T 90) Liquid Limit (AASHTO T 89)
(PL)	Point Load Index (ASTM D 5731)
(PM)	Pressure Meter
(R)	R-Value (CTM 301)
(SE)	Sand Equivalent (CTM 217)
(SG)	Specific Gravity (AASHTO T 100)
(SL)	Shrinkage Limit (ASTM D 427)
(SW)	Swell Potential (ASTM D 4546)
(UC)	Unconfined Compression-Soil (ASTM D 2166) Unconfined Compression-Rock (ASTM D 2938)
(UU)	Unconsolidated Undrained Triaxial (ASTM D 2850)
(UW)	Unit Weight (ASTM D 4767)

APPARENT DENSITY OF COHESIONLESS SOILS	
Description	SPT N ₆₀ (Blows / 12 in.)
Very Loose	0 - 5
Loose	5 - 10
Medium Dense	10 - 30
Dense	30 - 50
Very Dense	Greater than 50

MOISTURE	
Description	Criteria
Dry	No discernable moisture
Moist	Moisture present, but no free water
Wet	Visible free water

PERCENT OR PROPORTION OF SOILS	
Description	Criteria
Trace	Particles are present but estimated to be less than 5%
Few	5% - 10%
Little	15% - 25%
Some	30% - 45%
Mostly	50% - 100%

PARTICLE SIZE		
Description	Size (in.)	
Boulder	Greater than 12	
Cobble	3 - 12	
Gravel	Coarse	3/4 - 3
	Fine	1/5 - 3/4
Sand	Coarse	1/16 - 1/5
	Medium	1/64 - 1/16
	Fine	1/300 - 1/64
Silt and Clay	Less than 1/300	

ENGINEERING SERVICES	MATERIALS AND GEOTECHNICAL SERVICES	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH X	BRIDGE NO. 56-M5728	BANNING MAINTENANCE STATION LOG OF TEST BORINGS 3 OF 3
				POST MILE N/A	
PREPARED BY: W. Tang 08/11	UNIT: 3643 PROJECT NUMBER & PHASE: 0800020324 1	CONTRACT NO.: 08-499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET OF X X

GS LOTB SOIL LEGEND ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

FILE => sf_Log03_of_03.dgn

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission 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
 Approval date: 11-08-11
 CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		54	77

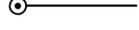
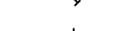
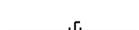
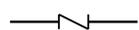
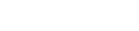
9-16-11 DATE
 REGISTERED MECHANICAL ENGINEER
 PLANS APPROVAL DATE
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PLUMBING

-----	Cold Water
—A—	Compressed Air
—G—	Gas
—D—	Equipment Drain
—F—	Fire Water
-----	Hot Water
-----	Hot Water Return
—LPG—	Liquid Petroleum Gas
—R—	Relief Valve Discharge Pipe
—SS—	Sanitary Sewer
-----	Sanitary Sewer (above grade)
-----	Sanitary Sewer (below grade)
-----	Sanitary Sewer Vent

PIPE FITTINGS AND VALVES

	Cap, Threaded
	Elbow, Turned Down
	Elbow, Turned Up
	Reducer, Concentric
	Pressure Gauge (with Valve and Snubber)
	Strainer
	Union
	Union, Insulating
	Valve, Ball
	Valve, Check
	Valve, Gas
	Valve, Gate
	Valve, Safety Relief
	Valve, Pressure Reducing
	Valve, Pressure/Temperature Relief
	Water Hammer Arrestor

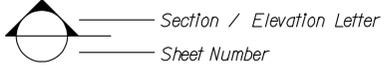
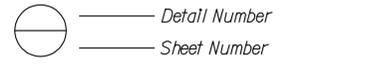
MECHANICAL ABBREVIATIONS:

A/C	Air Conditioning	GA	Gauge	R	Radius
ABS	Acrylonitrile Butadiene Styrene	GALV	Galvanized	REG	Register
AC	Asphalt Concrete	GLV	Globe Valve	RA	Return Air
AD	Air Drop	GPM	Gallons Per Minute	RCP	Reinforced Concrete Pipe
AP	Alternative Pipe	GSP	Galvanized Steel Pipe	REQ	Required
ATF	Automatic Transmission Fluid	GV	Gate Valve	RH	Radiant Heater
AWG	American Wire Gauge	GYP	Gypsum	RV	Relief Valve
BFP	Backflow Preventer	H	Height	S/S	Service Sink
BLDG	Building	HB	Hydrant Box	SA	Supply Air
BTU	British Thermal Unit	H/C	Hot Water, High Pressure Cleaner	SCH	Schedule
BTUH	British Thermal Unit Per Hour	HF	Hose Faucet	SDS	Sanitary Dump Station
BV	Balancing Valve	HVAC	Heating, Ventilating And Air Conditioning	SF	Supply Fan
C	Conduit	HW	Hot Water	SHR	Shower
CD	Ceiling Diffuser	HZ	Hertz	SP	Static Pressure
CFM	Cubic Feet Per Minute	ID	Inside Diameter	SS	Sanitary Sewer
CI	Cast-Iron	IE	Invert Elevation	STA	Station
CO	Cleanout	IN	Inch	STD	Standard
COTF	Cleanout Through Floor	IPS	International Pipe Standard	TCV	Temperature Control Valve
COTG	Cleanout Through Grade	KS	Kitchen Sink	TOT	Total
COTW	Cleanout To Wall	LAV	Lavatory	TP	Trap Primer
CV	Check Valve	LPG	Liquid Petroleum Gas	TS	Time Switch
CW	Cold Water	LS	Lab Sink	TYP	Typical
D	Depth	MAX	Maximum	UH	Unit Heater
DB	Dry Bulb	MAN	Manhole	URI	Urinal
DF	Drinking Fountain	MIN	Minimum	V	Vent
DH	Duct Heater	NIC	Not In Contract	VAC	Voltage, Alternating Current
DIA	Diameter	NO	Number	VR	Vent Riser
(E)	Existing	NPT	National Pipe Thread	VTR	Vent Thru Roof
EA	Exhaust Air	NST	National Standard Thread	W	Width
EEW&S	Emergency Eyewash and Shower	OA	Outside Air	W/	With
EF	Exhaust Fan	OC	On Center	W/O	Without
EL	Elevation	OD	Outside Diameter	WB	Wet Bulb
EWC	Electric Water Cooler	OG	Original Ground	WC	Water Closet
EWB	Electric Water Heater	PCC	Portland Cement Concrete	W.C.	Water Column
FC	Flexible Connection	PDS	Pressure Differential Switch	WH	Wall Heater
FD	Floor Drain	PH	Phase	WHA	Water Hammer Arrestor
FDC	Fire Department Connection	PRV	Pressure Reducing Valve	WLS	Water Level Switch
FE	Fire Extinguisher	PSI	Pounds Per Square Inch	WP	Weatherproof
FG	Finish Grade	PVC	Polyvinyl Chloride	WS	Wash Sink
FH	Fire Hydrant			WSP	Welded Steel Pipe
FL	Flow Line				
FTR	Flue Through Roof				
FS	Flow Switch				

HEATING, VENTILATING AND AIR CONDITIONING

	Balance Damper
	Flexible Duct
—EA—	Exhaust Air
—RA—	Return Air
—SA—	Supply Air
	Exhaust Register
	Return
	Supply Diffuser
	Thermostat
	Time Switch
	Anode Test Station
	Three Wire Test Station
	Exhaust Fan
	Fire Extinguisher
	Bypass Controller

MISCELLANEOUS

L	Angle
	Centerline
∅	Diameter
	Section / Elevation Letter
	Sheet Number

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728 POST MILE	BANNING MAINTENANCE STATION	SHEET M-0	
DETAILS BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>				MECHANICAL LEGEND		
QUANTITIES BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>						
TAEMWW Imperial Rev. 7/10	FILE => m_0.dgn DATE PLOTTED => 20-SEP-2012	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3580 08000203241 EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:39

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission 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
 Approval date: 11-08-11
 CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		55	77

9-16-11 DATE
 REGISTERED MECHANICAL ENGINEER
 9-17-12 PLANS APPROVAL DATE

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CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 5 of 5) MECH-1C

Project Name: Banning Maintenance Station Date: 2/11/11

Documentation Author's Declaration Statement
 I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: Mark Hedglin Signature: *[Signature]*
 Date: 8/19/11

Company: Department of Transportation, (CALTRANS)
 Address: 1801 30th Street
 City/State/Zip: Sacramento, CA 95816
 Phone: (916) 227-8541

Principal Mechanical Designer's Declaration Statement

- I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the mechanical design.
- This Certificate of Compliance identifies the mechanical features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: Mark Hedglin Signature: *[Signature]*
 Date: 8/19/11

Company: Department of Transportation, (CALTRANS)
 Address: 1801 30th Street
 City/State/Zip: Sacramento, CA 95816
 License#: M32912
 Phone: (916) 227-8541

Mandatory Measures
 Indicate location on building plans of Note Block for Manatory Measures: On File

MECHANICAL COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)

For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, refer to the 2008 Nonresidential Manual Note: The Enforcement Agency may require all forms to be incorporated onto the building plans.

<input checked="" type="checkbox"/>	MECH-1C	Certificate of Compliance. Required on plans for all submittals.
<input type="checkbox"/>	MECH-2C	Mechanical Equipment Summary is required for all submittals.
<input type="checkbox"/>	MECH-3C	Mechanical Ventilation and Reheat is required for all submittals with mechanical ventilation.
<input type="checkbox"/>	MECH-4C	Fan Power Consumption is required for all prescriptive submittals.

2008 Nonresidential Compliance Forms August 2009

CERTIFICATE OF COMPLIANCE AND FIELD INSPECTION ENERGY CHECKLIST (Part 4 of 4) ENV -1C

Project Name: Banning Maintenance Station Date: 2/11/11 Climate Zone: 14

Documentation Author's Declaration Statement
 I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: Mark Hedglin Signature: *[Signature]*
 Date: 8/19/11

Company: Department of Transportation, (CALTRANS)
 Address: 1801 30th Street
 City/State/Zip: Sacramento, CA 95816
 Phone: (916) 227-8541

Principal Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the design.
- This Certificate of Compliance identifies the envelope features and performance specifications required for compliance with Title 24, Parts 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: Michele Marson Signature: *[Signature]*
 Date: 09/12/11

Company: Department of Transportation, (CALTRANS)
 Address: 1801 30th Street
 City/State/Zip: Sacramento, CA 95816
 License#: C-24777
 Phone: 916-227-8685

Envelope Mandatory Measures
 Indicate location on building plans of Mandatory Envelope Measures Note Block: On File

INSTRUCTIONS TO APPLICANT ENVELOPE COMPLIANCE & WORKSHEETS (Check box if worksheet is included)

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

<input checked="" type="checkbox"/>	ENV-1C	Certificate of Compliance and Field Inspections Energy Checklist required on plans for all submittals.
<input type="checkbox"/>	ENV-2C	Use with the Envelope Component Approach. Optional on Plans.
<input type="checkbox"/>	ENV-3C	Use with the Overall Envelope TDV Energy Approach. Optional on plans.
<input type="checkbox"/>	ENV-4C	Use when minimum skylight requirements for large enclosed spaces are required in climate zones 2 through 15. Optional on plans.

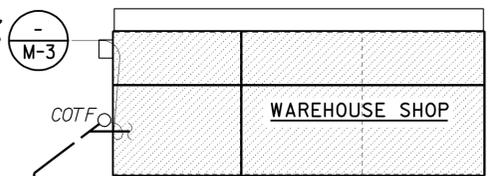
2008 Nonresidential Compliance Forms August 2009

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DESIGN BY <i>Mark Hedglin</i>	CHECKED <i>Tom Hatam</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION	SHEET M-1			
				POST MILE			TITLE 24		
DETAILS BY <i>Mark Hedglin</i>	CHECKED <i>Tom Hatam</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3580 08000203241	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF			
QUANTITIES BY <i>Mark Hedglin</i>	CHECKED <i>Tom Hatam</i>			<table border="1" style="font-size: small;"> <tr> <td>03-04-11</td> <td>07-07-11</td> <td>09-16-11</td> <td></td> <td></td> <td></td> </tr> </table>			03-04-11	07-07-11	09-16-11
03-04-11	07-07-11	09-16-11							
TAEMWW Imperial Rev. 7/10		FILE => m_1.dgn		DATE PLOTTED => 20-SEP-2012		TIME PLOTTED => 11:39			

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:39

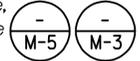
New 4" Sewer Line,
for continuation, see



WAREHOUSE SHOP

COTF

New 1 1/4" Water Line
and 1 1/2" Gas Line,
for continuation, see



New 3000 Gallons
Emulsion Tank, see



(E) OFFICE



(E) OFFICE

(E) EQUIPMENT BAYS

(E) 4" Sewer Line
(E) 1" Gas Line
(E) 3/4" Water Line

New 1 1/4" Water Line connect
to (E) 2" Water Line

New 1 1/2" Gas Line connect
to (E) 1 1/2" Line

(E) 2" Water Line

(E) 1 1/2" Gas Line
Connect to (E), Typ.

(E) OFFICE

New 4" Sewer Line
connect to (E) 6" Sewer Line

(E) 6" Sewer Line continue
to (E) Pumping Station

(E) 2700 Gallon Septic Tank

(E) STORAGE

(E) WAREHOUSE

(E) SHED

(E) CONTAINER
(E) CONTAINER

SITE PLAN

SCALE: 1" = 30'-0"



CALIFORNIA STATE FIRE MARSHAL
APPROVED
Approval of this plan does not authorize or
approve any omission 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
Approval date: 11-08-11
CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		56	77
<i>Mark Hedglin</i> REGISTERED MECHANICAL ENGINEER DATE 9-16-11			9-16-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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NOTE:

1. Contractor is responsible for all costs associated with locating all (E) utilities.

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DESIGN SUPERVISOR <i>Paul Schopf</i> DESIGN ENGINEER <i>Mark Hedglin</i>	DESIGN	BY Mark Hedglin	CHECKED Tom Hatam	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	56M5728	BANNING MAINTENANCE STATION MECHANICAL SITE PLAN	SHEET	M-2
	DETAILS	BY Mark Hedglin	CHECKED Tom Hatam			POST MILE			OF	
QUANTITIES	BY Mark Hedglin	CHECKED Tom Hatam				UNIT PROJECT NUMBER & PHASE	3580 08000203241	REVISION DATES (PRELIMINARY STAGE ONLY) DISREGARD PRINTS BEARING EARLIER REVISION DATES		

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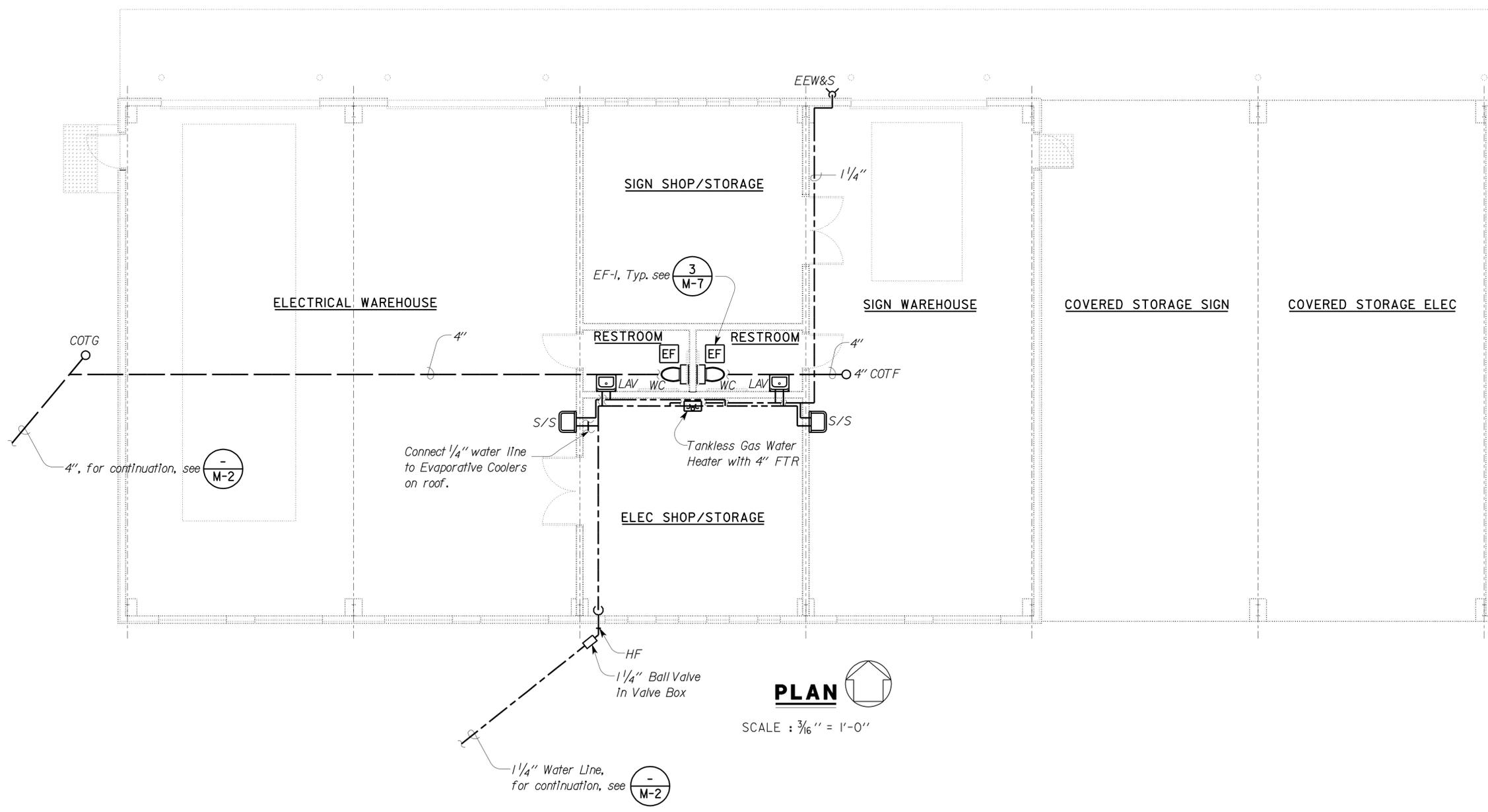
Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 11-08-11
 CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		57	77

9-16-11
 REGISTERED MECHANICAL ENGINEER DATE

9-17-12
 PLANS APPROVAL DATE

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PLAN
 SCALE : 3/16" = 1'-0"

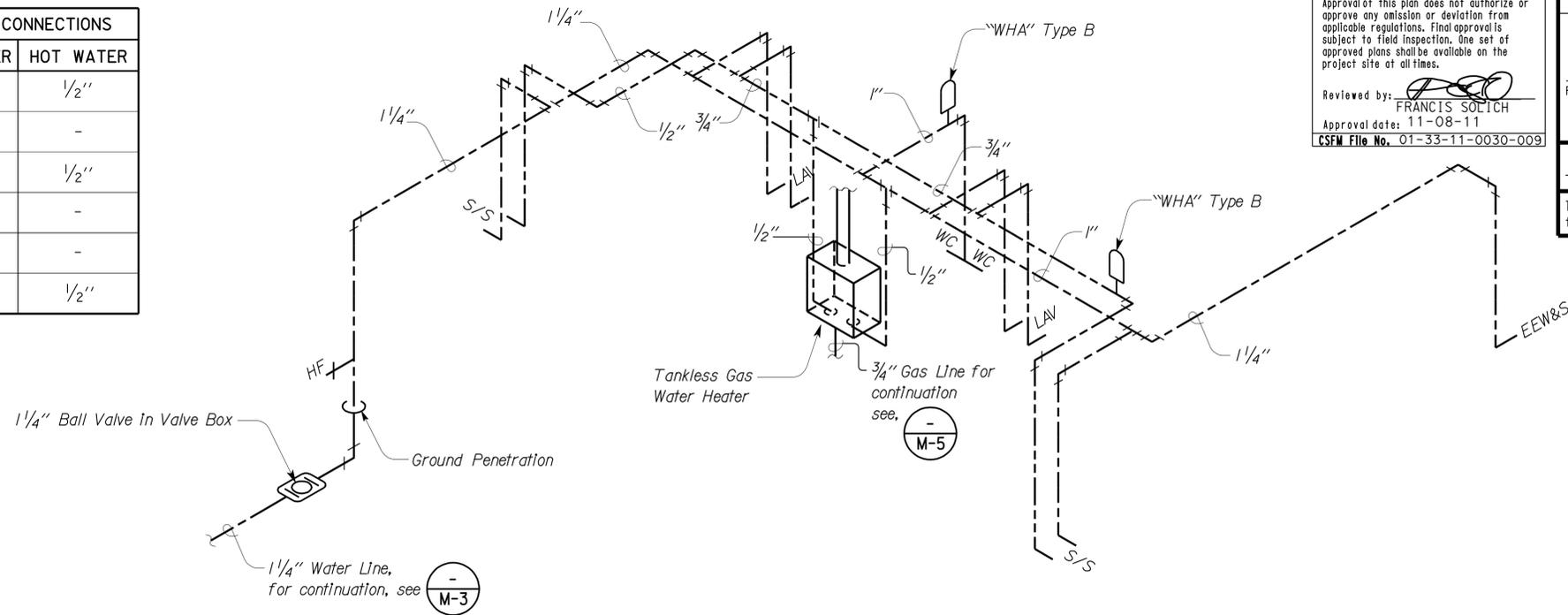
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DESIGN BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET M-3
			POST MILE	WAREHOUSE SHOP	PLUMBING PLAN	
DETAILS BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3580 08000203241	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
QUANTITIES BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>			DISREGARD PRINTS BEARING EARLIER REVISION DATES	03-04-11	07-04-11	

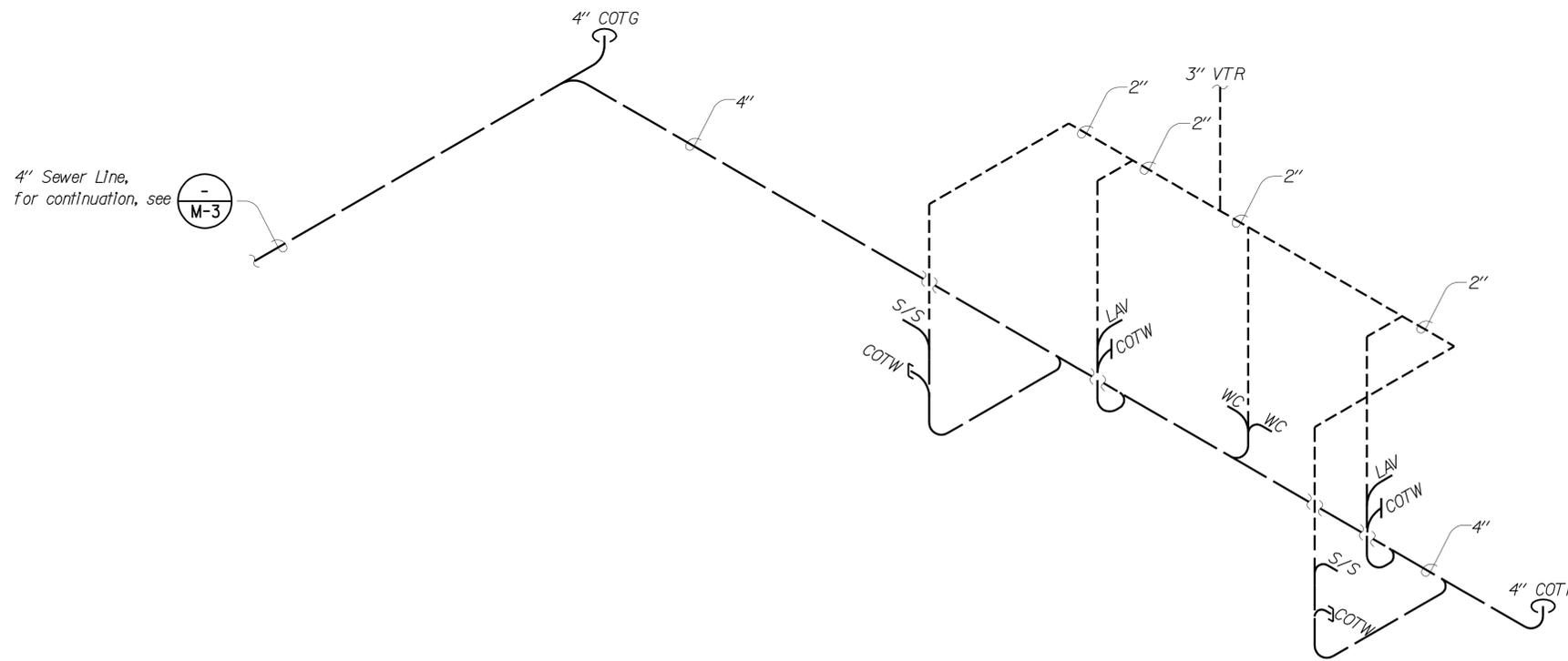
TAEMWW Imperial Rev. 7/10 FILE => m_3.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40 EA 499801 VI-1

PLUMBING SCHEDULE

FIXTURE	DRAINAGE ROUGH-IN	TRAP SIZE	VENT SIZE	MINIMUM CONNECTIONS	
				COLD WATER	HOT WATER
LAVATORY	2"	1 1/2"	1 1/4"	1/2"	1/2"
WATER CLOSET	3"	-	2"	1"	-
SERVICE SINK	2"	2"	1 1/2"	1/2"	1/2"
EEW&S	-	-	-	1 1/4"	-
HOSE FAUCET	-	-	-	1/2"	-
WATER HEATER	-	-	-	1/2"	1/2"



DOMESTIC WATER



SANITARY SEWER

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		58	77

9-17-12
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NO SCALE

DESIGN BY: Mark Hedglin	CHECKED: Tom Hatam	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET M-4
DETAILS BY: Mark Hedglin	CHECKED: Tom Hatam		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	WAREHOUSE SHOP	PLUMBING ISOMETRIC	
QUANTITIES BY: Mark Hedglin	CHECKED: Tom Hatam		UNIT PROJECT NUMBER & PHASE: 3580 08000203241	EA 499801	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

TAEMWW Imperial Rev. 7/10 FILE => m_4.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40

EQUIPMENT SCHEDULE	
EQUIPMENT	DESCRIPTION
AIR COMPRESSOR	5 HP, 208 volt, 3 phase, 60 gallon
EVAPORATIVE COOLER (EC-1,2)	1/3 HP, 2200 CFM @ 0.2" H2O, 120 volt 1phase
EXHAUST FAN	100 CFM @ .125" H2O 0.9 sones, 120 volt 1phase
TANKLESS WATER HEATER	30,000-117,000 BTU input, 90° rise @ 2.1GPM output
RADIANT HEATER	25,000 BTU/hr output, 12'-1" length

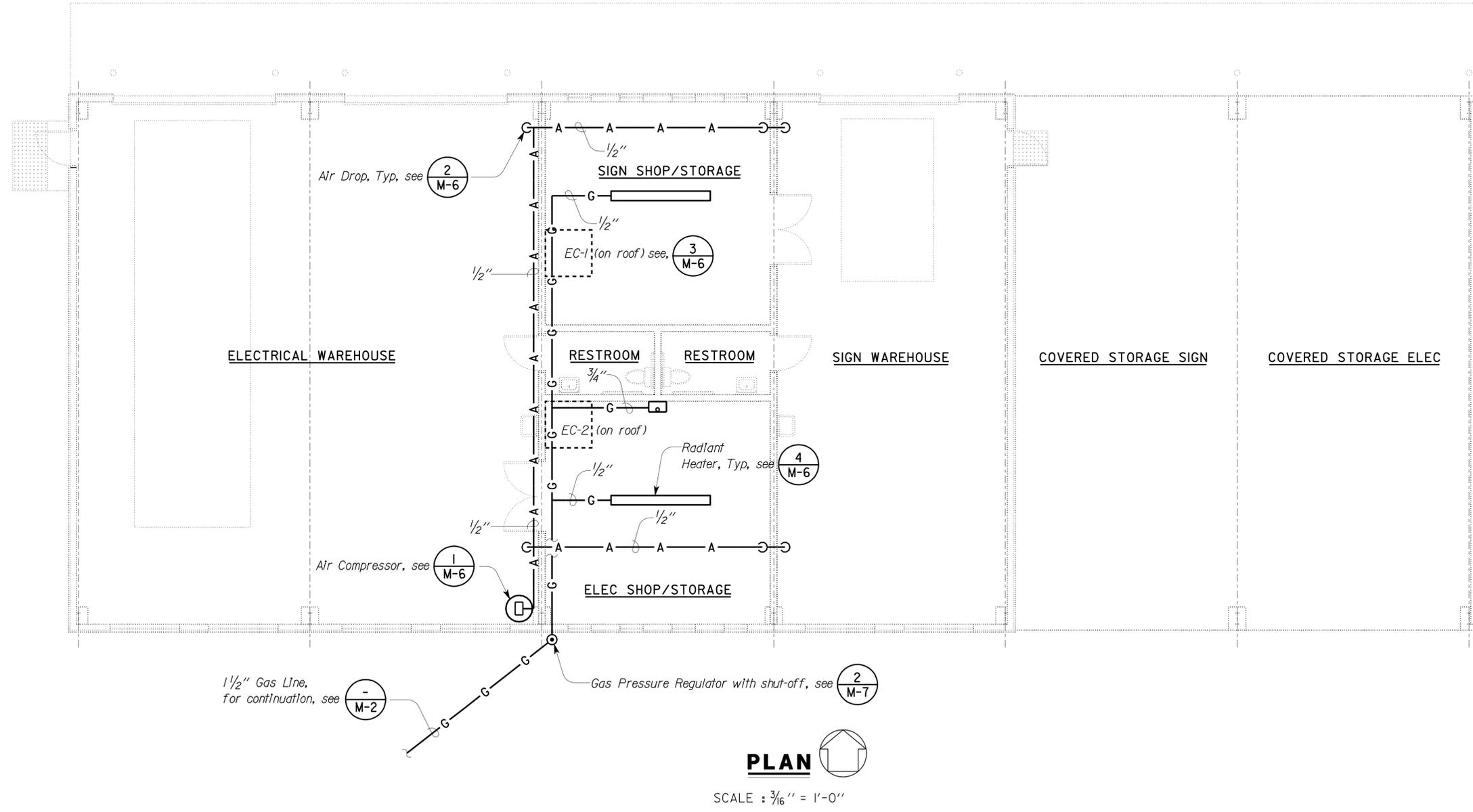
CALIFORNIA STATE FIRE MARSHAL
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 FRANCIS SOLICH
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		59	77

9-16-11
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9-17-12
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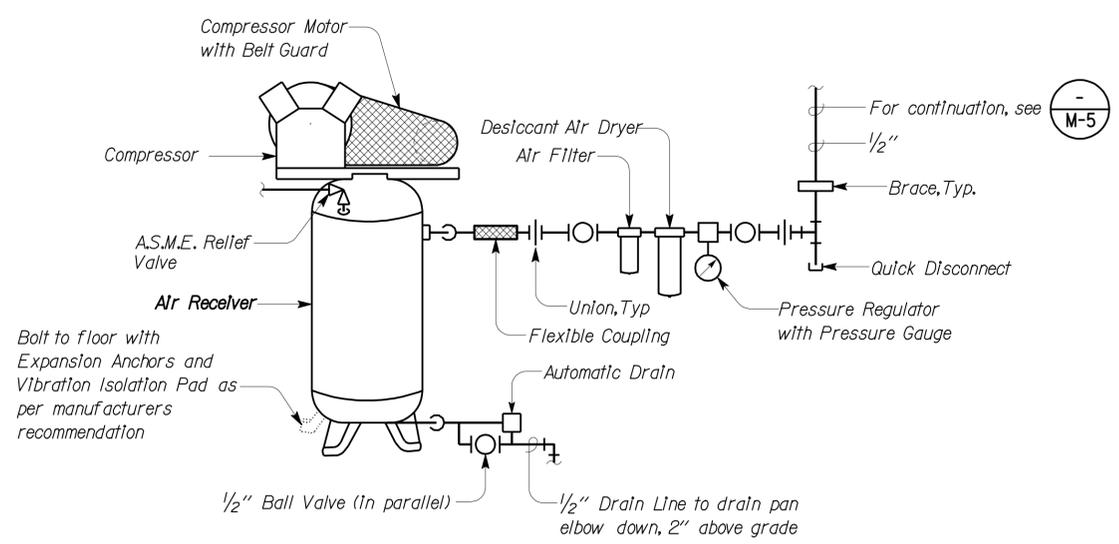


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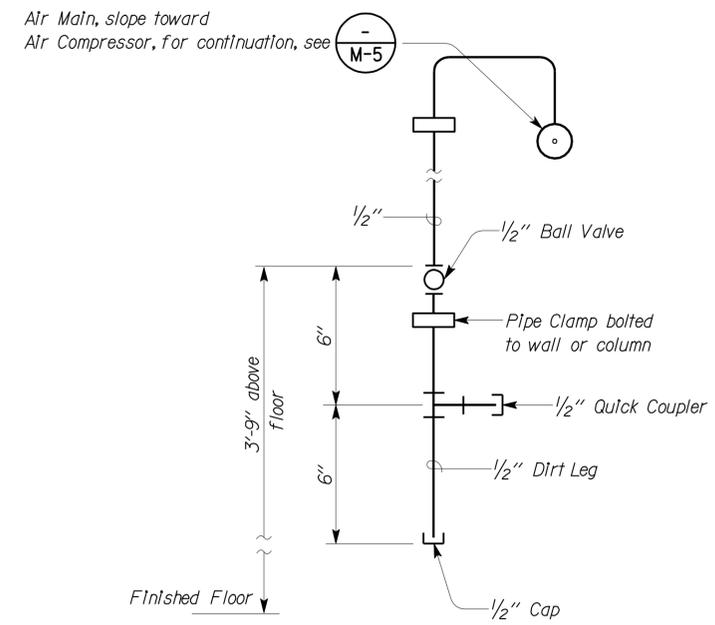
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DETAILS BY <i>Mark Hedglin</i>	CHECKED <i>Tom Hatam</i>		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	WAREHOUSE SHOP	MECHANICAL PLANS	OF
QUANTITIES BY <i>Mark Hedglin</i>	CHECKED <i>Tom Hatam</i>		UNIT PROJECT NUMBER & PHASE 3580 08000203241	EA 499801	REVISION DATES (PRELIMINARY STAGE ONLY)		

USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40

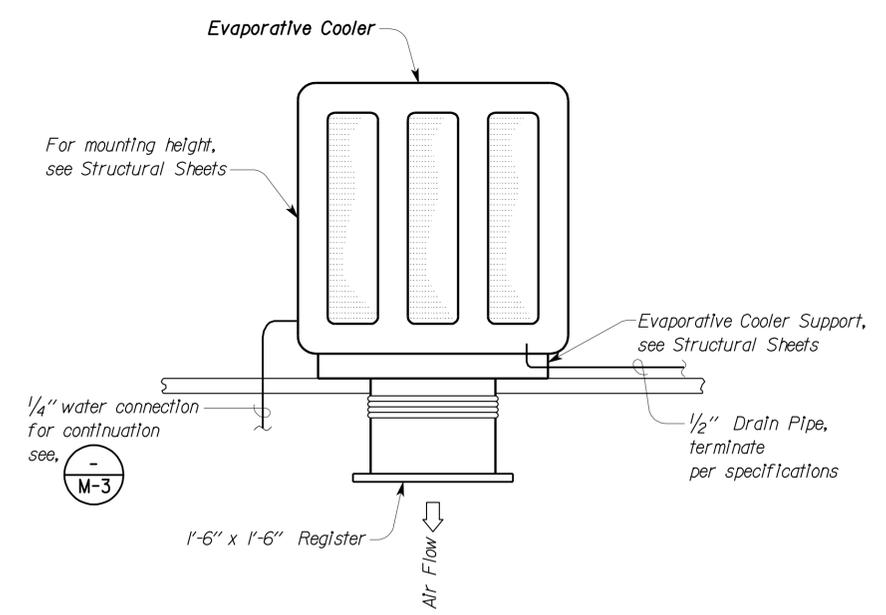
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08	Riv	5728		60	77
 REGISTERED MECHANICAL ENGINEER			9-16-11	DATE	
Reviewed by:  FRANCIS SOLICH Approval date: 11-08-11 CSFM File No. 01-33-11-0030-009					
9-17-12					
PLANS APPROVAL DATE					
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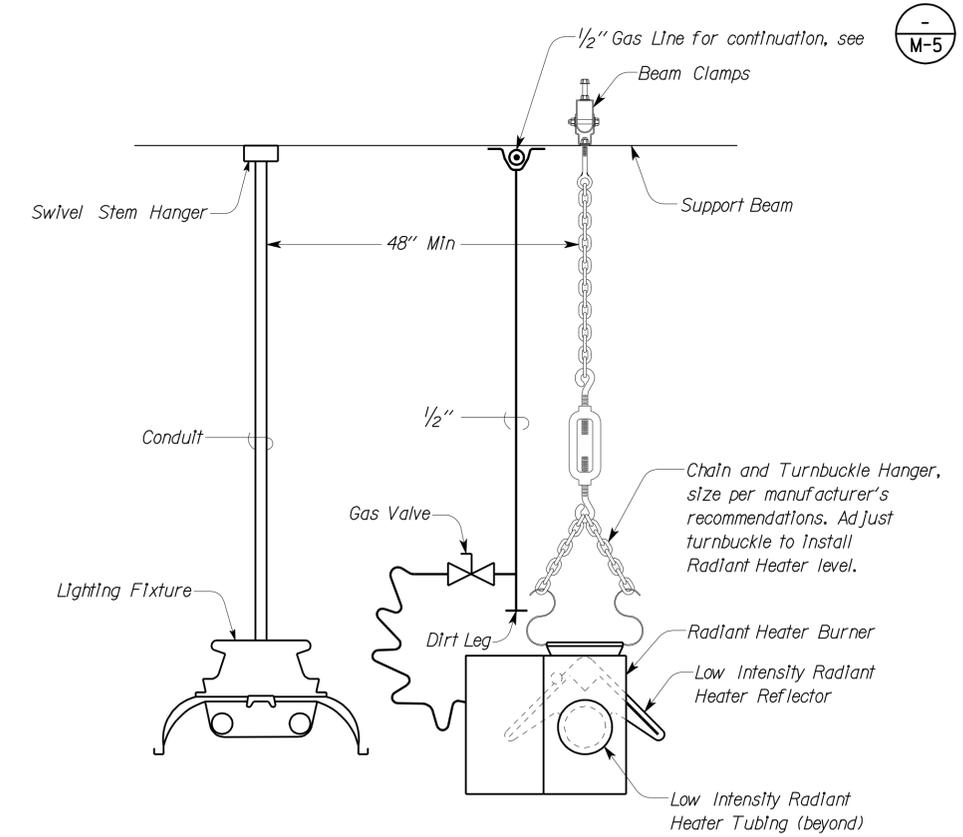
1 AIR COMPRESSOR



2 AIR DROP



3 EVAPORATIVE COOLER



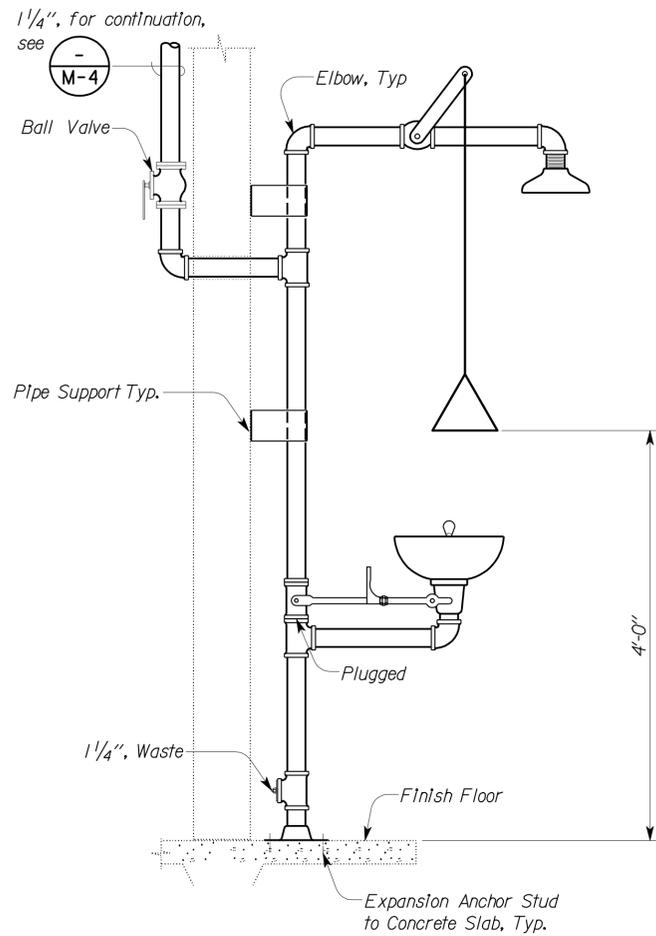
4 RADIANT HEATER

Note: Install Radiant Heater tubing at same elevation as Light Fixture

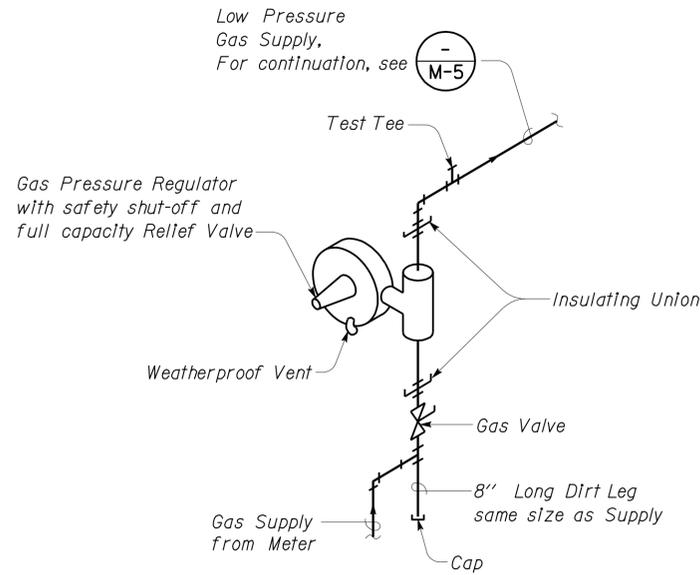
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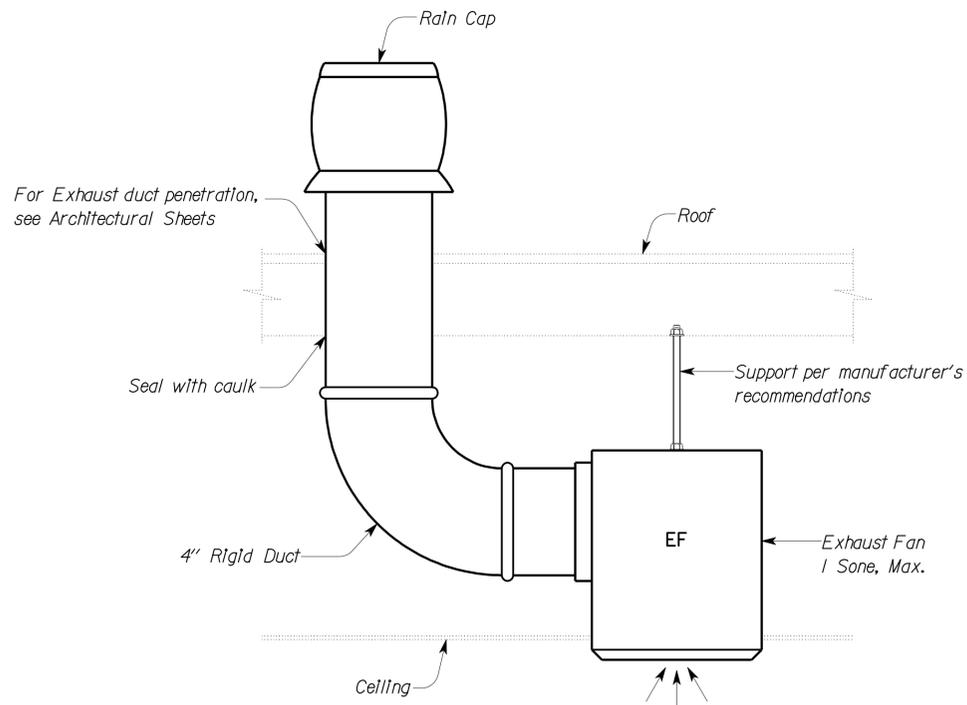
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	UNIT PROJECT NUMBER & PHASE 3580 08000203241			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
	TAEMWW Imperial Rev. 7/10 FILE => m_6.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 499801		USERNAME => s124496 DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:40	



1 EMERGENCY EYEWASH AND SHOWER DETAIL



2 GAS PRESSURE REGULATOR



3 EXHAUST FAN

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		61	77

9-16-11 DATE
 REGISTERED MECHANICAL ENGINEER
 9-17-12 PLANS APPROVAL DATE
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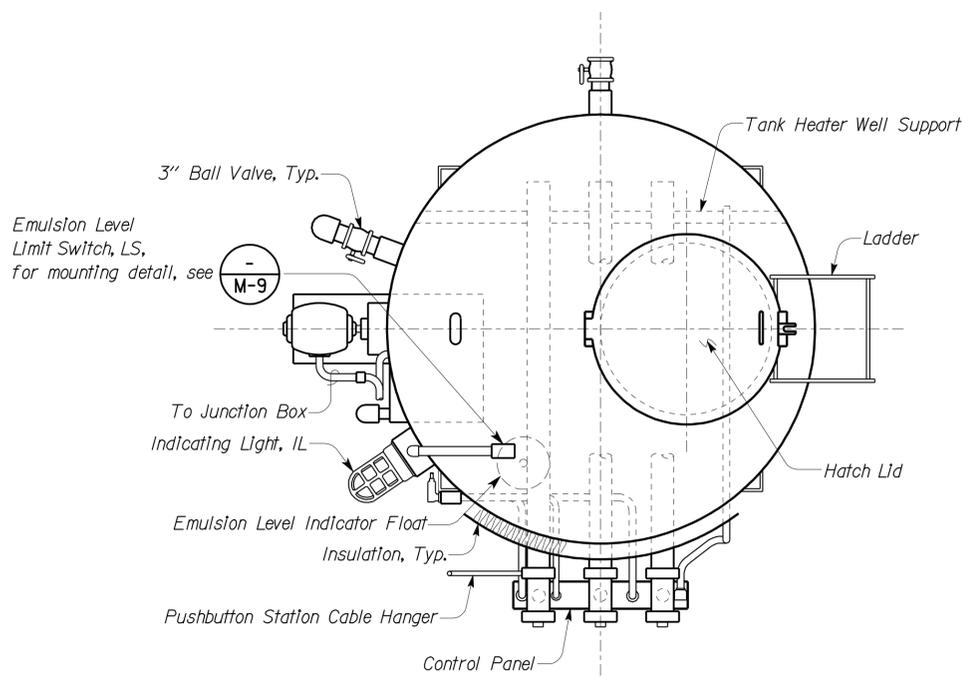
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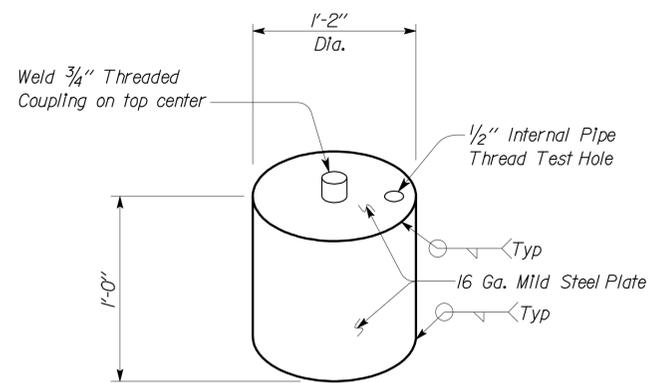
DESIGN	BY Mark Hedglin	CHECKED Tom Hatam	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION	SHEET
DETAILS	BY Mark Hedglin	CHECKED Tom Hatam		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		WAREHOUSE SHOP
QUANTITIES	BY Mark Hedglin	CHECKED Tom Hatam		UNIT PROJECT NUMBER & PHASE 3580 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	03-04-11 07-07-11 09-16-11

TAEMWW Imperial Rev. 7/10 FILE => m_7.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:44 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3580 08000203241 DISREGARD PRINTS BEARING EARLIER REVISION DATES 03-04-11 07-07-11 09-16-11 SHEET OF VI-1

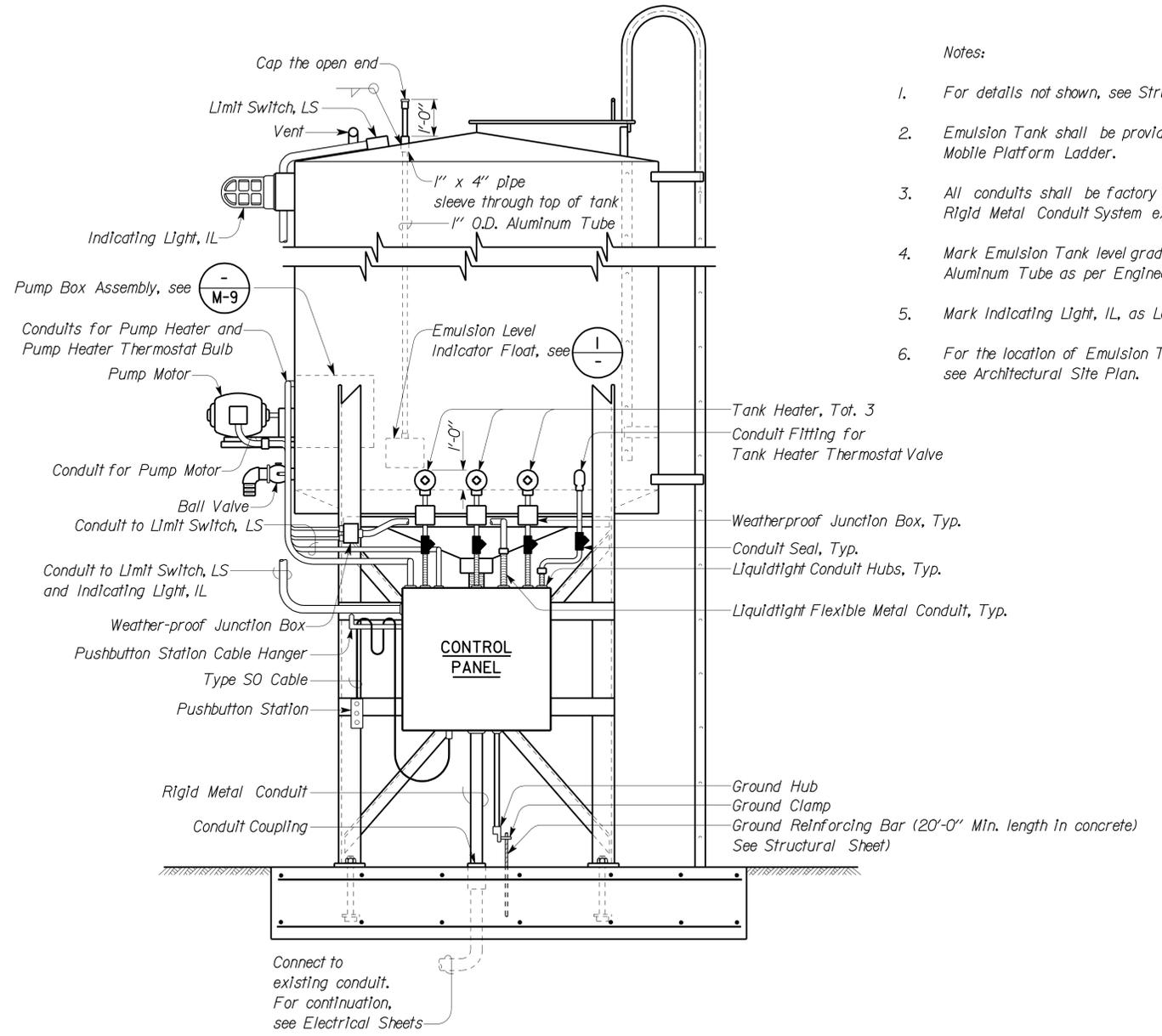
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		62	77
Reviewed by: <i>Francis Solich</i> FRANCIS SOLICH Approval date: 11-08-11 CSFM File No. 01-33-11-0030-009			9-16-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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PLAN



1 LEVEL INDICATOR FLOAT



ELEVATION

- Notes:
1. For details not shown, see Structural Sheets.
 2. Emulsion Tank shall be provided with Mobile Platform Ladder.
 3. All conduits shall be factory installed Rigid Metal Conduit System except as noted.
 4. Mark Emulsion Tank level graduations on the Aluminum Tube as per Engineer's Instruction.
 5. Mark Indicating Light, IL, as Low Emulsion.
 6. For the location of Emulsion Tank, see Architectural Site Plan.

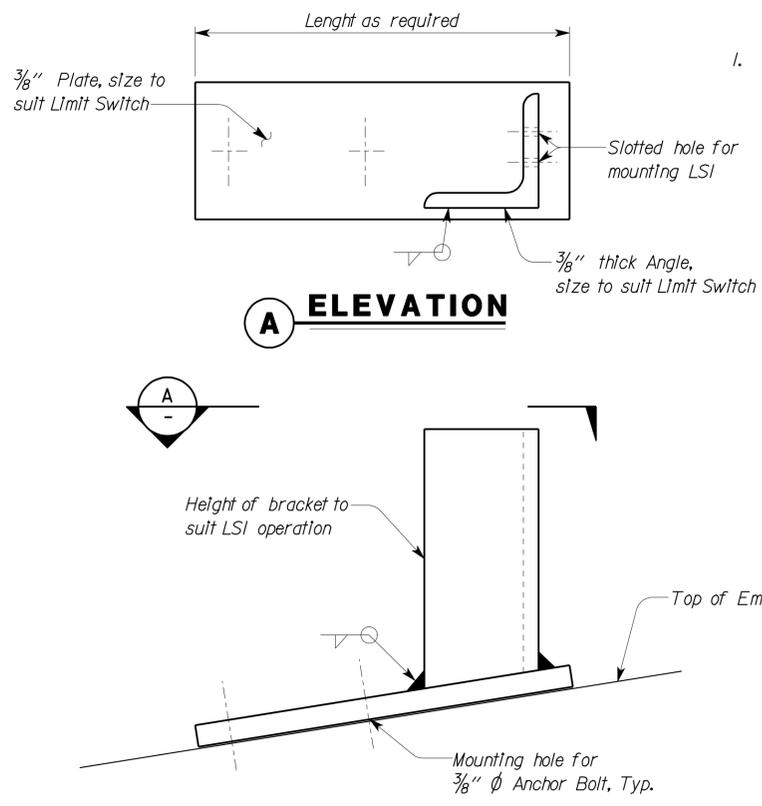
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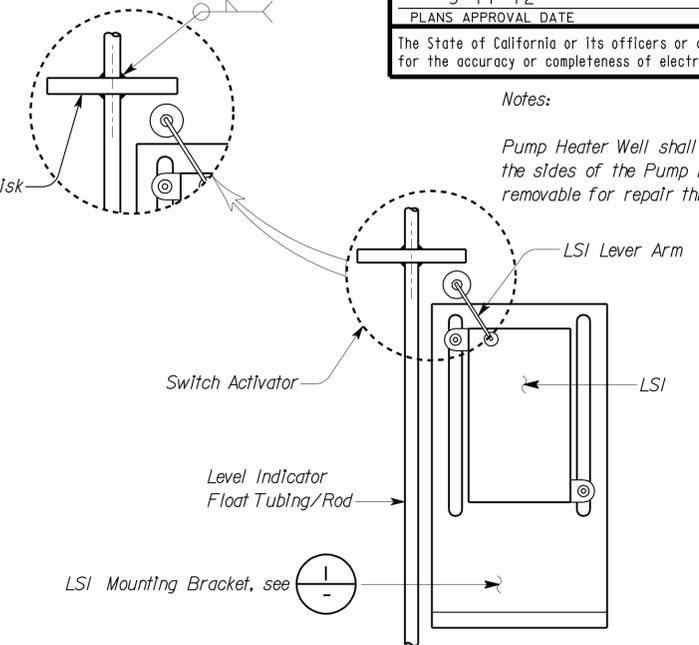
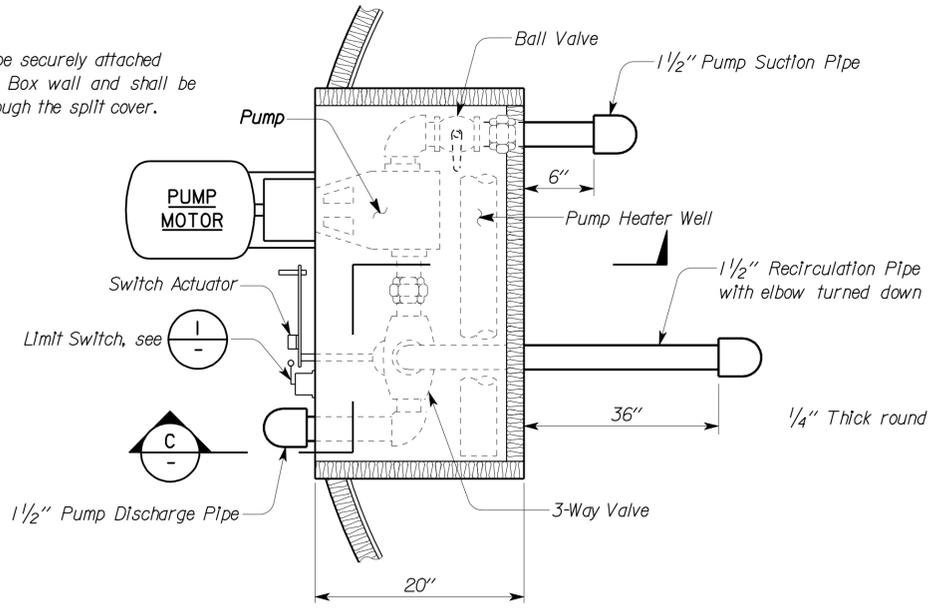
DESIGN BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i> DETAILS BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i> QUANTITIES BY <i>Mark Hedglin</i> CHECKED <i>Tom Hatam</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION		SHEET M-8
			56M5728	WAREHOUSE SHOP	EMULSION TANK	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3580 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
TAEMWW Imperial Rev. 7/10 FILE => m_8.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:44		EA 499801	03-04-11 07-07-11 09-16-11			

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		63	77
Reviewed by: <i>Francis Solich</i> FRANCIS SOLICH APPROVAL DATE: 11-08-11 CSFM File No. 01-33-11-0030-009			9-16-11 DATE		
9-17-12 PLANS APPROVAL DATE					
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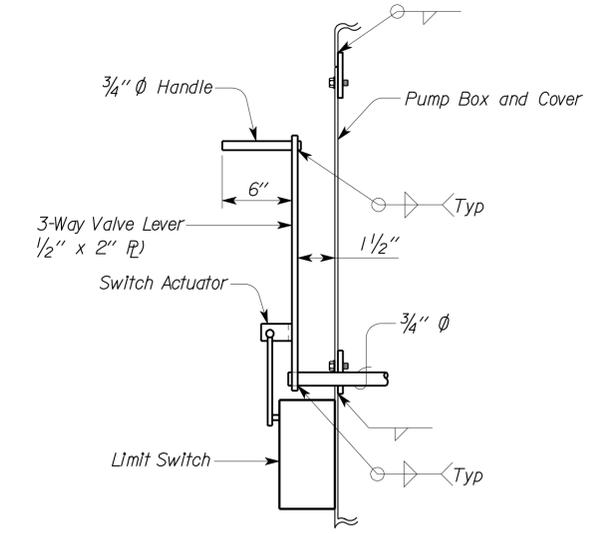
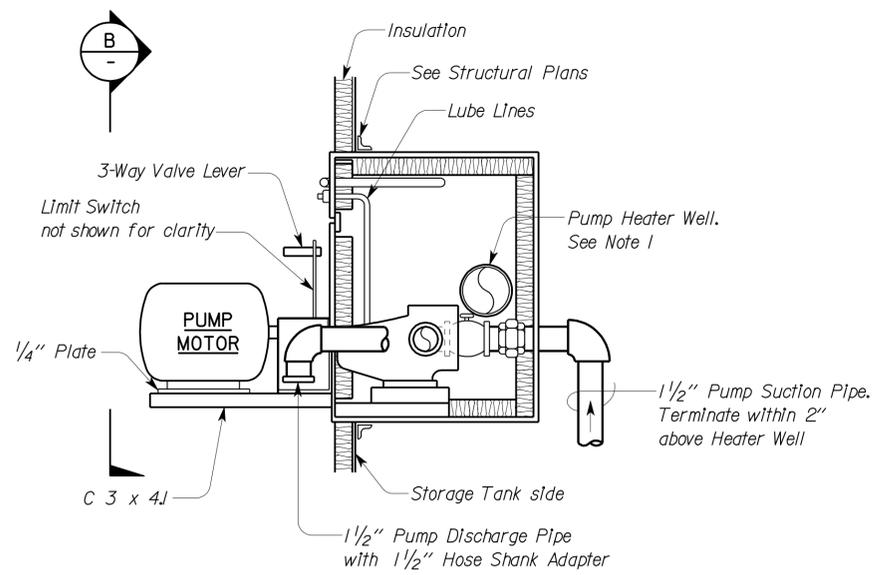
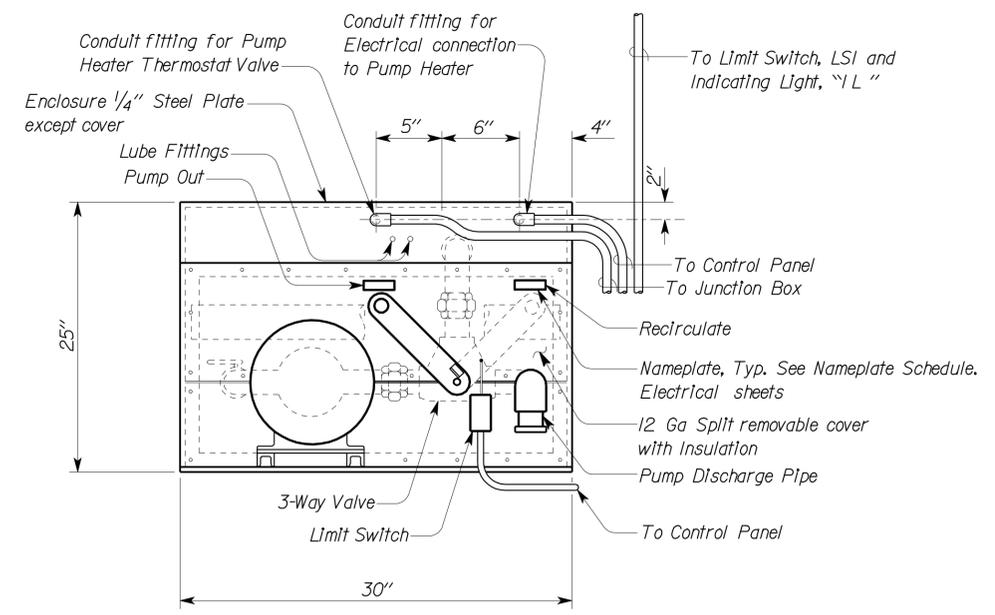
Note:
 1. Pump Heater Well shall be securely attached to the sides of the Pump Box wall and shall be removable for repair through the split cover.



Notes:
 Pump Heater Well shall be securely attached to the sides of the Pump Box Wall and shall be removable for repair through the split cover.

1 LIMIT SWITCH (LS1) MOUNTING BRACKET DETAIL

2 LIMIT SWITCH (LS1) MOUNTING DETAIL



3 LIMIT SWITCH (LS2) MOUNTING DETAIL

Switch Actuator shall be installed in the field during testing in the presence of the Engineer. Switch Actuator shall be installed with sheet metal screws.

PUMP BOX

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DETAILS	BY Mark Hedglin	CHECKED Tom Hatam		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE	WAREHOUSE SHOP	EMULSION TANK DETAILS	
QUANTITIES	BY Mark Hedglin	CHECKED Tom Hatam		UNIT PROJECT NUMBER & PHASE 3580 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
FILE => m_9.dgn DATE PLOTTED => 20-SEP-2012 TIME PLOTTED => 11:44			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	03-04-11 07-07-11 09-16-11		EA 499801		VI-1

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER	S _{OC1}	WALL SWITCH OCCUPANCY SENSOR, TYPE 1
	POLE-ARM ELECTROLIER	S _{OC2}	WALL SWITCH OCCUPANCY SENSOR, TYPE 2
	CEILING WALL	S _M	MOTION SENSOR SWITCH
	SURFACE FLUORESCENT, METAL HALIDE OR SODIUM VAPOR FIXTURE	S _T	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	RECESSED FLUORESCENT, METAL HALIDE, OR SODIUM VAPOR FIXTURE	S _{HP}	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	EXIT LIGHT	T _s	TIMER SWITCH
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT FIXTURE		SWITCH AND SINGLE RECEPTACLE
	RECESSED INDIVIDUAL FLUORESCENT FIXTURE		SWITCH AND DUPLEX RECEPTACLE
	ROW FLUORESCENT FIXTURES		HAND DRYER NOZZLE
	NOTE: A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHA-NUMERIC 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.		HAND DRYER
	EXAMPLE: (4) F 2 - 2 x 32		RADIO OUTLET
			TELEPHONE OUTLET
	BLANK OUTLET		SOUND SYSTEM LOUD SPEAKER OUTLET
	JUNCTION BOX		PUSHBUTTON
	DROP CORD		PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	SINGLE RECEPTACLE OUTLET		PUSHBUTTON STATION MOTOR CONTROL
	DUPLEX RECEPTACLE OUTLET		BUZZER
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)		BELL
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)		COMBINATION BELL-BUZZER
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET		THERMOSTAT
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET		PRESSURE SWITCH
	RANGE OUTLET		CONTROL RELAY
	CLOCK HANGER RECEPTACLE		FLOW SWITCH
	FAN HANGER RECEPTACLE		PHOTOELECTRIC CELL
	FLOOR SINGLE RECEPTACLE OUTLET		RADIO OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET		TELEVISION OUTLET
	FLOOR SPECIAL PURPOSE OUTLET		MICROPHONE OUTLET
	FLOOR RADIO OUTLET		FLUSH-MOUNTED PANELBOARD AND CABINET
	FLOOR TELEPHONE OUTLET		SURFACE-MOUNTED PANELBOARD AND CABINET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG		LIGHTING PANEL
	MULTI-OUTLET ASSEMBLY		POWER PANEL
	SINGLE POLE SWITCH		COMBINATION LIGHTING AND POWER
	DOUBLE POLE SWITCH		MOTOR CONTROLLER
	THREE WAY SWITCH		DISCONNECT SWITCH
	FOUR WAY SWITCH		CONDUIT CONCEALED IN CEILING OR WALL
	AUTOMATIC DOOR		CONDUIT CONCEALED IN FLOOR
	KEY OPERATED SWITCH		CONDUIT EXPOSED
	SWITCH AND PILOT LIGHT		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.
	MOMENTARY CONTACT SWITCH		HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
	REMOTE CONTROL SWITCH		SURFACE METAL RACEWAY
	WEATHERPROOF SWITCH		CONDUIT INFO (PER CONDUIT)
	FAN SWITCH		CONDUIT TYPE
	LIGHT SWITCH		CONDUIT SIZE
	HEATER SWITCH		NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	EVAPORATIVE COOLER SWITCH		CONDUIT, RIGID STEEL, UNDERGROUND
	TWO SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND TIMER SWITCH FOR HEAT LAMP		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

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
	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
	VARIABLE RESISTOR
	TRANSFORMER WINDING
	GROUNDING ELECTRODE
	ENCLOSURE BOND
	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
	GENERATOR
	MOTOR
	FAN MOTOR

SYMBOL	DESCRIPTION
	CEILING MOUNTED OCCUPANCY SENSOR
	PENDANT MOUNTED OCCUPANCY SENSOR
	HEAT DETECTOR
	SMOKE DETECTOR
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	GLASS BREAK DISCRIMINATOR
	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PULL BOX (TRAFFIC RATED). FOR DETAILS SEE STANDARD PLANS "NSP ES-8B"
	COMBINATION HEAT, LIGHT AND FAN UNIT
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	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
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE
	EXISTING PULL BOX-TO REMAIN

PROJECT NOTES

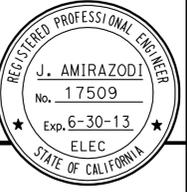
- SEPARATE GROUNDED (NEUTRAL) CONDUCTOR SHALL BE USED FOR EACH 120-VOLT CIRCUIT.
- HOMERUNS TO PANELBOARDS SHALL BE INSTALLED AS SHOWN ON THE PLANS. HOMERUNS SHALL NOT BE COMBINED.
- A SINGLE INSULATED EQUIPMENT GROUNDING CONDUCTOR (SIZED AS REQUIRED) SHALL BE INSTALLED IN EACH CONDUIT RUN.
- PENETRATIONS OF WALLS AND WALL MEMBRANES REQUIRED TO HAVE A FIRE-RESISTANCE RATING SHALL BE PROTECTED WITH THROUGH-PENETRATION FIRE STOPS SUITABLE FOR THE METHOD OF PENETRATION. THROUGH-PENETRATION FIRE STOPS SHALL BE TESTED USING ASTM E-814 OR UL-1479 (C.B.C. SECTION 712). THIS NOTE APPLIES TO ALL ELECTRICAL SHEETS.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		64	77

Javid Amirzodi 12-05-11
REGISTERED ELECTRICAL ENGINEER DATE

9-17-12
PLANS APPROVAL DATE

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ABBREVIATIONS

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 11-08-11
CSFM File No. 01-33-11-0030-009

A	AMPERES
A/C	AIR CONDITIONING UNIT
ACS	AIR COMPRESSOR STARTER
AIC	AMPERE INTERRUPTING CAPACITY
AL	ALARM LIGHT
AO	ANALOG OUTPUT
AVC	AIR VOLUME CONTROLLER
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
(E)	EXISTING
EC	EVAPORATIVE COOLER
EF	EXHAUST FAN
F	FUSE
FL	FAILURE LIGHT
FLA	FLASHER
FLEX	FLEXIBLE CONDUIT
FLS	FLOW SWITCH
FR	FAILURE RESET
FS	FLOAT SWITCH
G	GROUND
GB	GROUND BAR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRS	GALVANIZED RIGID STEEL
IL	INDICATING LIGHT
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
MB	MAIN BREAKER
MC	METALLIC CONDUIT
MCP	MOTOR CIRCUIT PROTECTOR
MH	MOUNTING HEIGHT
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
(N)	NEW
NB	NEUTRAL BAR
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NO	NUMBER
OL	OVERLOAD
POLE	POLE
PB	PULL BOX
PB	PUSH BUTTON
PD	PUMP MOTOR DISCONNECT
PEC	PHOTOELECTRIC CELL
PHD	PUMP HEATER DISCONNECT
PL	PILOT LIGHT
PS	PRESSURE SWITCH
PVC	POLYVINYL CHLORIDE
RES	RESISTOR
RTB	RADIO TERMINAL BOARD
S	STARTER COIL
SCE	SOUTHERN CALIFORNIA EDISON
SD	SERVICE DISCONNECT
SL	SUMP LIGHT
SPR	STANDBY POWER RECEPTACLE
SS	SELECTOR SWITCH
ST	STARTER
SV	SOLENOID VALVE
T	TRANSFORMER
TB	TERMINAL BLOCK
TDR	TIME DELAY RELAY
THD	TANK HEATER DISCONNECT
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

DESIGN	BY <i>Javid Amirzodi</i>	CHECKED <i>Jesse Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION	SHEET EEO-1	
	DETAILS	BY <i>Ed D. Tapalla 2/11</i>			CHECKED <i>Javid Amirzodi</i>			56M5728
	QUANTITIES	BY <i>Javid Amirzodi</i>			CHECKED <i>Jesse Sandhu</i>			POST MILE
TAEMWW Imper-Id Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3596 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		65	77

<i>Javid Amirzodi</i>		12-05-11
REGISTERED ELECTRICAL ENGINEER		DATE
9-17-12		
PLANS APPROVAL DATE		

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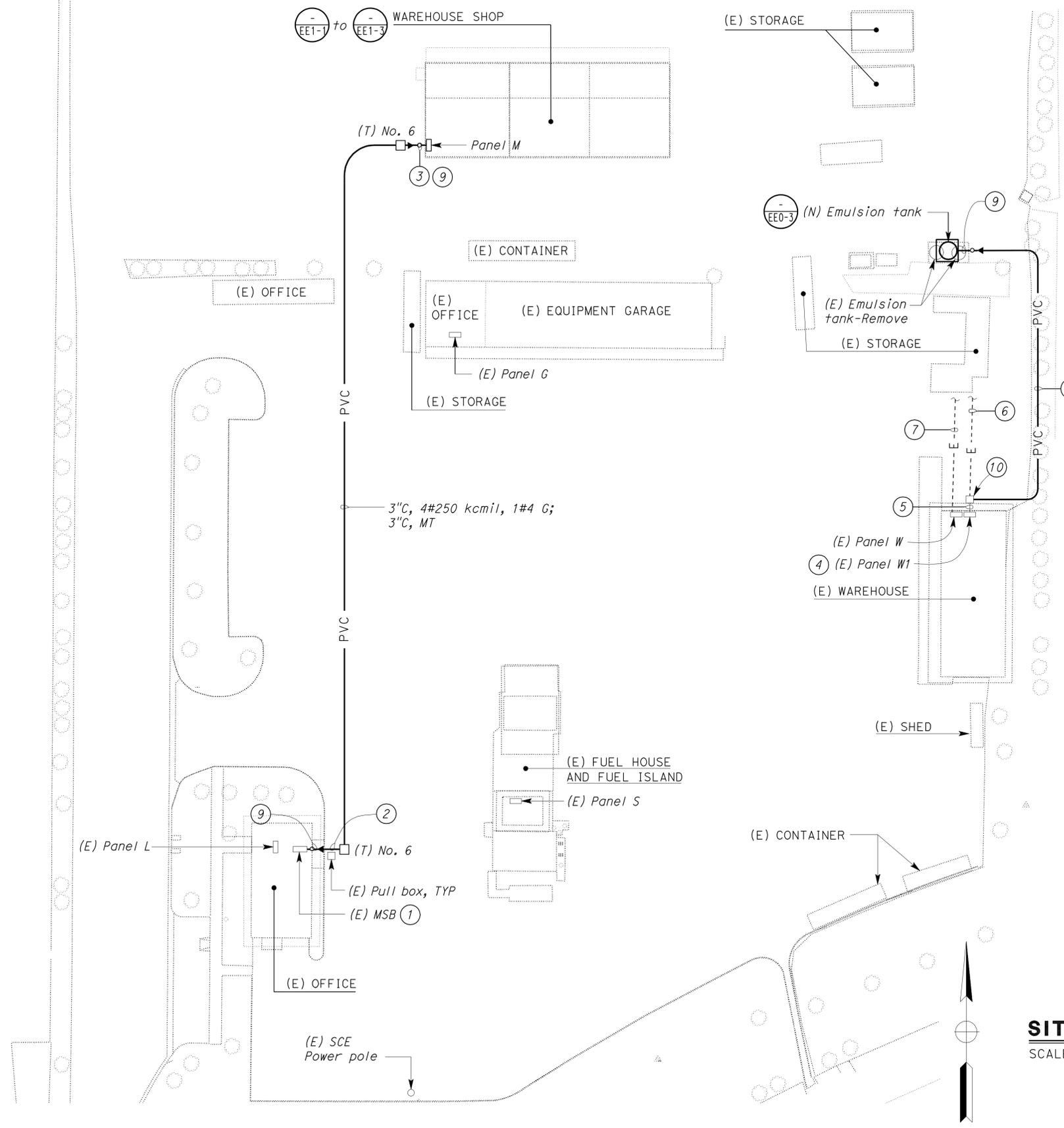
CALIFORNIA STATE FIRE MARSHAL APPROVED

Approval of this plan does not authorize or approve any omission 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
Approval date: 11-08-11
CSFM File No. 01-33-11-0030-009

- General Notes:**
- Not all electrical/mechanical equipment and conduit systems are shown.
 - Location of all existing equipment and conduit systems as shown are approximate only. The Contractor shall verify the exact location of all equipment and conduit systems in the field as required prior to the beginning of work. No additional cost will be paid to the Contractor for locating of existing equipment and conduit systems.
 - Where required for trenching and sawcutting, patch disturbed/damaged surfaces to match surrounding surfaces.
 - For exact locations of existing and new Emulsion Tanks and concrete slabs, see Architectural and Structural plans.
 - For Arc Flash and Shock Hazard Warning Label Details for Panels S, L, G, W, W1 and M, see Detail 5 and for Main Switchboard (one for each section), see Detail 6 on EE1-4.
 - All risers for PVC conduits shall be PVC coated rigid steel. Wrap joints in touch with soil with two layers of wrapping tape.

- Notes:**
- Existing MSB located inside Electrical room is Square D Co., Powerstyle, 208/120-Volt, 3-phase, 4-wire, rated switchboard with 400-Ampere rated main bus bars and 300-Ampere main circuit breaker. Perform the following:
 - Replace existing 300-Ampere main circuit breaker with 3-pole, 400-Ampere frame, 400-Ampere trip molded case circuit breaker with adjustable AC thermal-magnetic trip initially adjusted to 2000-Ampere and rewire as required. New circuit breaker shall have minimum AIC of 65,000 symmetrical at 240 V(ac).
 - Install 3-pole, 100-Ampere frame, 100-Ampere trip molded case circuit breaker with adjustable AC thermal-magnetic trip initially adjusted to 900-Ampere for supplying Panel M inside new Warehouse Shop in available space and wire as required. New circuit breaker shall have minimum AIC of 65,000 symmetrical at 240 V(ac).
 - For Single Line Diagram, see Detail 4 on sheet EE1-4.
 - 3" C, 4#250 kcmil, 1#4 G and 3" C, MT. For conduit installation work between pull box and existing MSB, core drill thru existing wall, sawcut existing concrete walk way and provide LB conduit bodies as required.
 - 3" C, 4#250 kcmil, 1#4 G; (2) 2" C, MT.
 - Existing Panel W1 is Cutler Hammer, Type 4LF9677527A, 208/120 V, 3-phase, 4-wire, with 100-Ampere main circuit breaker. Replace existing 30 A/3P circuit breaker that feeds existing west Emulsion Tank (W1 2-4-6) with 50 A/3P circuit breaker to feed new Emulsion Tank. Update panel directory.
 - Remove existing conductors and install 4#6, 1#6G between new 50 A/3P circuit breaker inside Panel W1 and Emulsion Tank Control Panel.
 - Remove conductors and abandon underground conduit between existing pull box and west Emulsion Tank.
 - Remove conductors and abandon underground conduit between existing Panel W and east Emulsion Tank. Mark existing 30 A/3P circuit breaker (W9-10-11) as spare. Update panel directory.
 - 2" C, 4#6, 1#6G.
 - PVC coated rigid steel type conduit.
 - Install conduit into existing pull box.



SITE PLAN
SCALE 1" = 30'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN SUPERVISOR <i>J. Schreff</i>	DESIGN BY	Javid Amirzodi	CHECKED	Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	56M5728	BANNING MAINTENANCE STATION	SHEET EE0-2
	DETAILS BY	Ed D. Tapalla 2/11	CHECKED	Javid Amirzodi			POST MILE			
DESIGN ENGINEER <i>J. Amirzodi</i>	QUANTITIES BY	Javid Amirzodi	CHECKED	Jesse Sandhu	PROJECT NUMBER & PHASE 3596 08000203241		DISREGARD PRINTS BEARING EARLIER REVISION DATES		SITE PLAN	

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

UNIT PROJECT NUMBER & PHASE	3596 08000203241	REVISION DATES (PRELIMINARY STAGE ONLY)	2/24/11	3/7/11	12/5/11					
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EA 499801

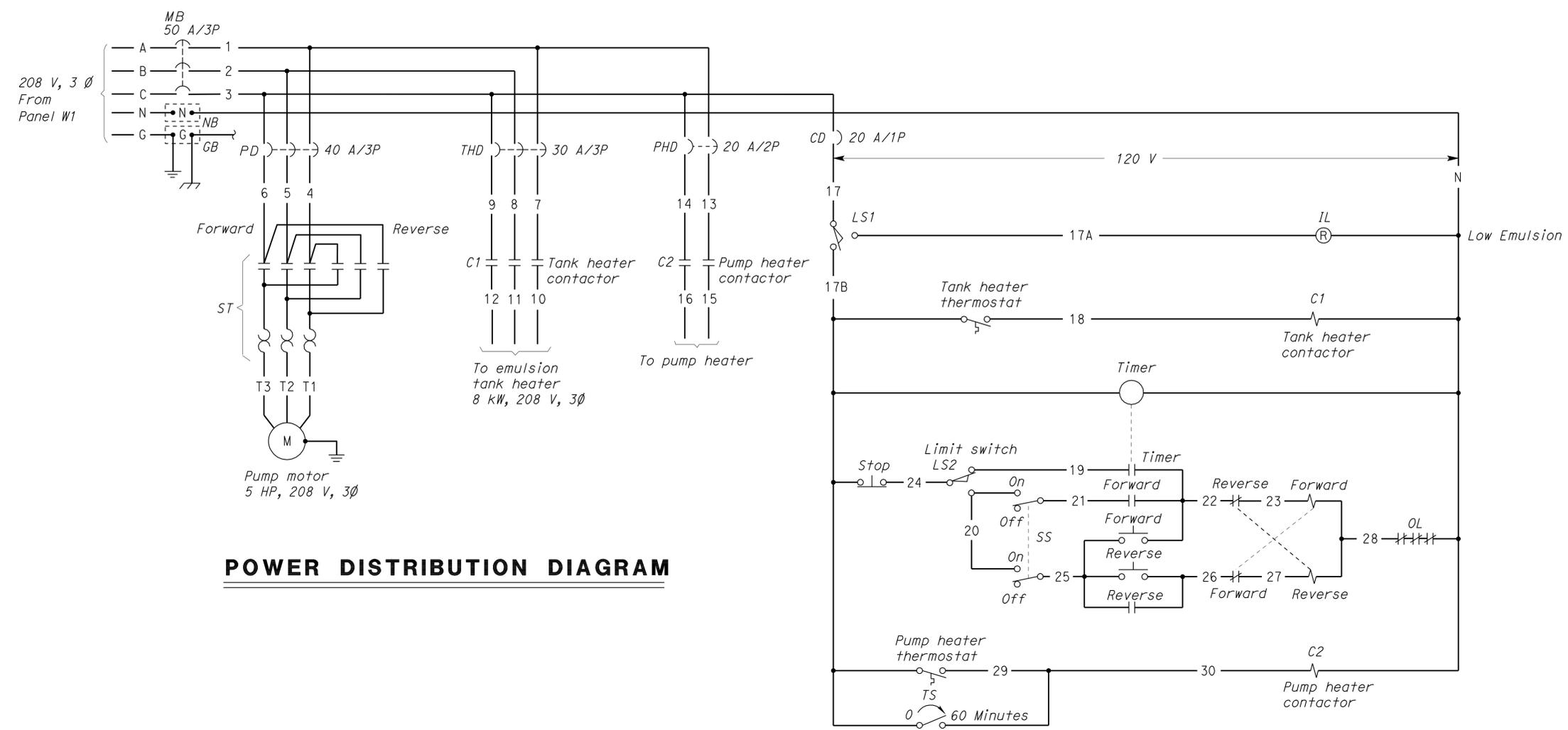
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		66	77

Javid Amirazodi
 REGISTERED ELECTRICAL ENGINEER
 No. 17509
 Exp. 6-30-13
 ELEC
 STATE OF CALIFORNIA

12-05-11
 DATE

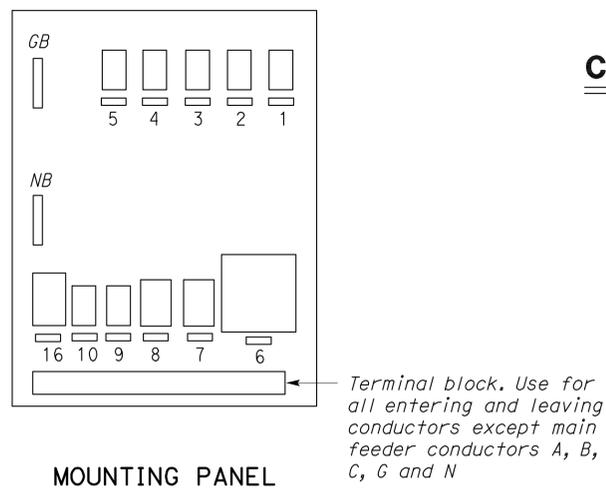
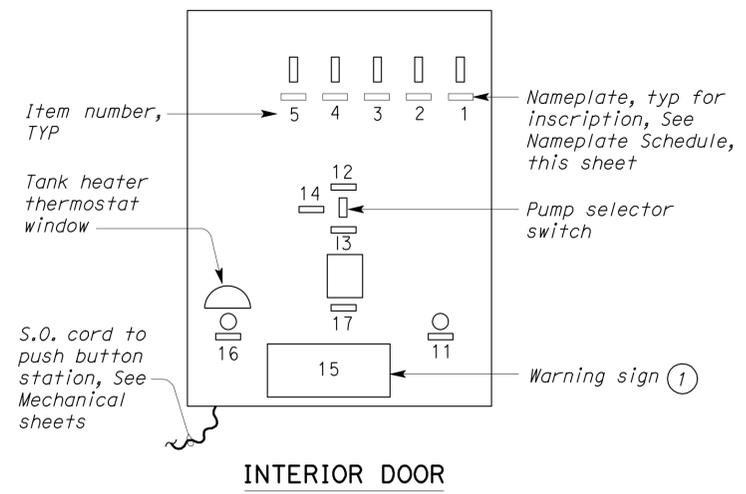
9-17-12
 PLANS APPROVAL DATE

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POWER DISTRIBUTION DIAGRAM

CONTROL SCHEMATIC



CONTROL PANEL-ELEVATION
(EXTERIOR DOOR NOT SHOWN)
NO SCALE

① A second warning sign with the same inscription shall be posted adjacent to the three-way valve.

ITEM No.	INSCRIPTION	LETTER HEIGHT (inch)
1 (MB)	MAIN CIRCUIT BREAKER	1/8
2 (PD)	PUMP MOTOR DISCONNECT	
3 (THD)	TANK HEATER DISCONNECT	
4 (PHD)	PUMP HEATER DISCONNECT	
5 (CD)	CONTROL DISCONNECT	
6 (ST)	PUMP MOTOR STARTER	
7 (C1)	TANK HEATER CONTACTOR	
8	TIMER	
9 (C2)	PUMP HEATER CONTACTOR	
10	PUMP HEATER THERMOSTAT	
11	RESET	
12	ON	
13	OFF	
14	PUMPING	
15	RESET THE VALVE HANDLE TO RECIRCULATION MODE AFTER PUMPING IN OR OUT (Warning sign)	1/4
16	TANK HEATER THERMOSTAT	1/8
17	0-60 MINUTE TIMER SWITCH (PUMP HEATER)	1/8
18	EMULSION TANK CONTROL PANEL	1/4*
19	PUMP OUT	1/4**
20	RECIRCULATE	1/4**

* Installed on exterior door
** Install as shown on Mechanical Plans

NAMEPLATE SCHEDULE

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Javid Amirazodi CHECKED Jesse Sandhu DETAILS BY Ed D. Tapalla 2/11 CHECKED Javid Amirazodi QUANTITIES BY Javid Amirazodi CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728 POST MILE	BANNING MAINTENANCE STATION EMULSION TANK SCHEMATIC DIAGRAM	SHEET EEO-3 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 2/28/11 3/7/11 3/27/11	SHEET OF

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

Project Name: **BANNING MAINTENANCE STATION** Date: **03/12/2011**

Project Address: **2033 EAST RAMSEY STREET
BANNING, CA 92220** Total Hardscape Illuminated Area: **28,450 SF**

General Information

Phase of Construction: New Construction Addition Alteration

Documentation Author's Declaration Statement

I Certify that this Certificate of Compliance documentation is accurate and complete.

Name: **JAVID AMIRAZODI** Signature: *Javid Amirazodi*

Company: **CA DEPARTMENT OF TRANSPORTATION** Date: **03/12/2011**

Address: **1801 30TH STREET, MS9-3/11H** If applicable: CEA # CEPE #

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-1191**

Principal Lighting Designer's Declaration Statement

- I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design.
- This Certificate of Compliance identifies the lighting features and performance specification required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations.
- The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

Name: **JAVID AMIRAZODI** Signature: *Javid Amirazodi*

Company: **CA DEPARTMENT OF TRANSPORTATION** Phone: **(916) 227-1191**

Address: **1801 30TH STREET, MS9-3/11H** License # **E 17509**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **EXP 06-30-13**

Principal Lighting Designer's Declaration

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

Outdoor Lighting Mandatory Measures

Indicate location on building plans of Mandatory Measures Note Block: **EE0-6**

LIGHTING COMPLIANCE FORMS & WORKSHEETS (check box if worksheet is included)

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

- OLTG-1C Certificate of Compliance. All 4 pages required on plans for all submittal.
- OLTG-2C (Page 1 of 3) Lighting Wattage Allowances for General Hardscape, Sales Frontage, or Ornamental Lighting. Optional on plans.
- OLTG-2C (Page 2 of 3) Lighting Wattage Allowances for Per Application or Per Area. Optional on plans.
- OLTG-2C (Page 3 of 3) Additional Lighting Power Allowance for Ordinance Requirements. Optional on plans.

CERTIFICATE OF COMPLIANCE (Page 2 of 4) OLTG-1C

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Project Name: **BANNING MAINTENANCE STATION** Date: **03/12/2011**

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

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

Luminaire Schedule				Installed Watts						
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description (i.e., lamp pole top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Pass	Fail
					Default from NA-8	According to S-130 (d or e)				
MH2	Wall mounted, outdoor, 150 watt metal halide	FC	189	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	3	567	<input type="checkbox"/>	<input type="checkbox"/>
MH3	Wall mounted, outdoor, 100 watt metal halide	FC	140	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4	560	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG; Page 4 of 4; Row H; Total Installed Watts:								1127		

1. Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballast per luminaire. For incandescent luminaires the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (bulb) used, in accordance with Section 130 (d or e).

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

EXEMPT LUMINAIRES Field Inspection

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

MANDATORY CONTROLS Field Inspection

#	Description	Location	#	Description	Location
1	Photoelectric cell	Warehouse Shop exterior			

SPECIAL FEATURES INSPECTION CHECKLIST (See Page 2 of 4 of OLTG-1C)

The local enforcement agency should pay special attention to the items specified in this checklist. These items require special written justification and documentation, and special verification. The local enforcement agency determines the adequacy of the justification, and may reject a building or design that otherwise complies base on the adequacy of the special justification and documentations submitted.

Field Inspector Notes or Discrepancies:

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		67	77

Javid Amirazodi 12-05-11
REGISTERED ELECTRICAL ENGINEER DATE

9-17-12
PLANS APPROVAL DATE

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 11-08-11
CSFM File No. 01-33-11-0030-009

DESIGN	BY <i>Javid Amirazodi</i>	CHECKED <i>Jesse Sandhu</i>
DETAILS	BY <i>Ed D. Tapalla 2/11</i>	CHECKED <i>Javid Amirazodi</i>
QUANTITIES	BY <i>Javid Amirazodi</i>	CHECKED <i>Jesse Sandhu</i>

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 56M5728
POST MILE

BANNING MAINTENANCE STATION

OUTDOOR LIGHTING COMPLIANCE FORM 1

SHEET OF **EE0-4**

CERTIFICATE OF COMPLIANCE (Page 1 of 4) LTG-1C

Project Name: BANNING MAINTENANCE STATION		Date: 03/12/2011
Project Address: 2033 EAST RAMSEY STREET BANNING, CA 92220		Climate Zone: 15 Building CFA: 780 SF Unconditioned Floor Area: 4632 SF
General Information		
Building Type: <input checked="" type="checkbox"/> Nonresidential <input type="checkbox"/> High-Rise Residential <input type="checkbox"/> Hotel/Motel		
<input type="checkbox"/> Schools <input type="checkbox"/> Relocatable Public Schools <input checked="" type="checkbox"/> Conditioned Spaces <input checked="" type="checkbox"/> Unconditioned Spaces		
Phase of Construction: <input checked="" type="checkbox"/> New Construction <input type="checkbox"/> Addition <input type="checkbox"/> Alteration		
Method of Compliance: <input type="checkbox"/> Complete Building <input checked="" type="checkbox"/> Area Category <input type="checkbox"/> Tailored		
Documentation Author's Declaration Statement • I certify that this Certificate of Compliance documentation is accurate and complete.		
Name: JAVID AMIRAZODI		Signature: <i>Javid Amirazodi</i>
Company: CA DEPARTMENT OF TRANSPORTATION		Date: 03/12/2011
Address: 1801 30TH STREET, MS-9-3/11H		If applicable: CEA # CEPE #
City/State/Zip: SACRAMENTO, CA-95816		Phone: (916) 227-1191
Principal Lighting Designer's Declaration Statement • I am eligible under Division 3 of the California Business and Professions Code to accept responsibility for the lighting design. • This Certificate of Compliance identifies the lighting features and performance specification required for compliance with Title 24, Pages 1 and 6 of the California Code of Regulations. • The design features represented on this Certificate of Compliance are consistent with the information provided to document this design on the other applicable compliance forms, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.		
Name: JAVID AMIRAZODI		Signature: <i>Javid Amirazodi</i>
Company: CA DEPARTMENT OF TRANSPORTATION		Phone: (916) 227-1191
Address: 1801 30TH STREET, MS-9-3/11H		License # E 17509
City/State/Zip: SACRAMENTO, CA-95816		Date: EXP 06-30-13
Lighting Mandatory Measures Indicate location on building plans of Mandatory Measures Note Block: EEO-7		
LIGHTING COMPLIANCE FORMS & WORKSHEETS (Check box if worksheet is included)		
For detailed instructions on the use of this and all Energy Efficiency Standards compliance forms, please refer to the Nonresidential Manual published by the California Energy Commission.		
<input checked="" type="checkbox"/> LTG-1C Pages 1 through 4 Certificate of Compliance. All pages required on plans for all submittals.		
<input checked="" type="checkbox"/> LTG-2C Lighting Controls Credit Worksheet		
<input checked="" type="checkbox"/> LTG-3C Indoor Lighting Power Allowance		
<input type="checkbox"/> LTG-4C Pages 1 through 4 Tailored Method Worksheet		
<input type="checkbox"/> LTG-5C Pages 1 and 2 Line Voltage Track Lighting Worksheet		

2008 Nonresidential Compliance Forms July 2010

CALIFORNIA STATE FIRE MARSHAL APPROVED
Approval of this plan does not authorize or approve any omission 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
Approval date: 11-08-11
CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		69	77

Date: **12-05-11**
REGISTERED ELECTRICAL ENGINEER

Javid Amirazodi
J. AMIRAZODI
No. **17509**
Exp. **6-30-13**
ELEC
STATE OF CALIFORNIA

9-17-12
PLANS APPROVAL DATE

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- CALIFORNIA ENERGY COMMISSION MANDATORY MEASURES:
- BUILDING LIGHTING SHUT-OFF
- Occupancy sensor for Elec Warehouse, Sign Warehouse, Sign Shop Storage, Elec Shop Storage, Restrooms.
- INDOOR MULTI-LEVEL LIGHTING CONTROL
- Bilevel occupant sensor wall switches for Offices greater than 100 square feet.
 - Multiple switches for all other locations. Switches are connected on load of the automatic shut-off switch that is provided for the area.
- BUILDING EXTERIOR LIGHTING
- Photoelectric cell unit.

TAEMWW Imperial Rev. 7/10	DESIGN	BY <i>Javid Amirazodi</i>	CHECKED <i>Jesse Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION	SHEET	
	DETAILS	BY <i>Ed D. Tapalla 2/11</i>	CHECKED <i>Javid Amirazodi</i>			56M5728		INDOOR LIGHTING COMPLIANCE FORM I	EEO-6
	QUANTITIES	BY <i>Javid Amirazodi</i>	CHECKED <i>Jesse Sandhu</i>			POST MILE			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

20-SEP-2012 11:45
ea0_6.dgn

General Notes:

- A. For exact location of air compressor, see Mechanical plan sheets.
- B. For air compressor Schematic Diagram, see Detail 1 on sheet EE1-4.
- C. All receptacles on GFCI circuits shall have label "GFCI".
- D. Location of Overhead door operator as shown is arbitrarily only. Exact location depends upon unit furnished. The Contractor shall provide any additional conduits and conductors not shown but necessary for the automatic operation of the Overhead door, including conduit and conductors from Overhead door operator to the reversing edge limit switch.
- E. Homeruns to panel boards shall be installed as shown on the plans. Homeruns shall not be combined.

Notes:

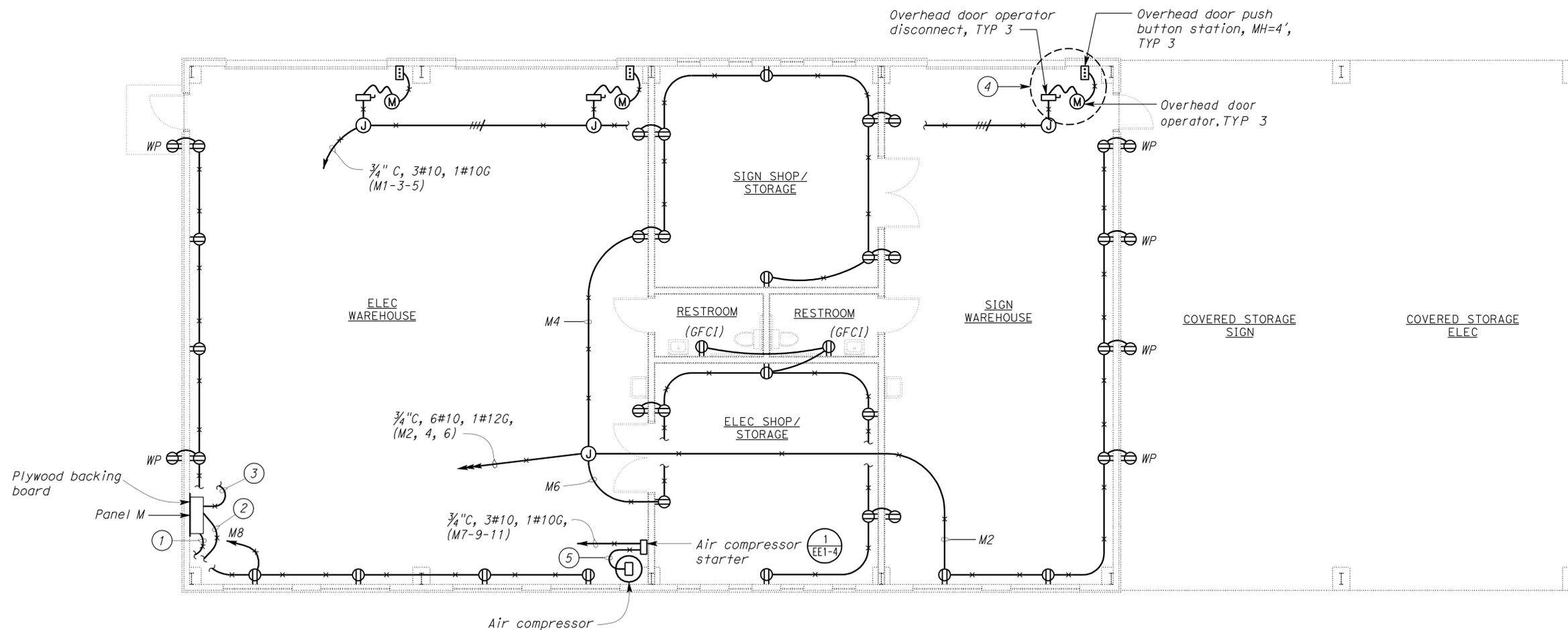
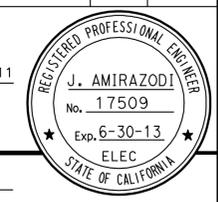
- ① 3/4"C, 1#1/0G to ground bar below Panel M. For Details see $\begin{matrix} 4 \\ \text{ST-2} \end{matrix}$ $\begin{matrix} - \\ \text{ST1-1} \end{matrix}$.
- ② 3/4"C, 1#1/0G bond to structural steel column without splices.
- ③ 3/4"C, 1#1/0G bond to interior cold water, air and gas pipe, without splices.
- ④ Install the following for each Overhead door operator system:
 - 1/2"C, 3#12, 1#12G in between junction box and Overhead door operator disconnect.
 - 1/2"C Flexible metal conduit, 3#12, 1#12G in between Overhead door operator and Overhead door operator disconnect.
 - 1/2"C, Control conductors as required in between Overhead door operator and Overhead door push button station.
 - 1/2"C, Control cable as required in between Overhead door operator and safety limit switch. Safety edge limit switch and its conduit are not shown for clarity.
- ⑤ 3/4"C, 3#10, 1#10 G to Air Compressor motor, 1/2"C, 2#12, 1#12G to Air Pressure Switch.

CALIFORNIA STATE FIRE MARSHAL
APPROVED
 Approval of this plan does not authorize or approve any omission 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 SOLTICH
 Approval date: 11-08-11
 CSFM File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		72	77

9-17-12
 PLANS APPROVAL DATE

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PLAN
 SCALE 3/16" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY Javid Amirazodi	CHECKED Jesse Sandhu
DETAILS	BY Ed D. Tapalla 2/11	CHECKED Javid Amirazodi
QUANTITIES	BY Javid Amirazodi	CHECKED Jesse Sandhu

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

BRIDGE NO.	56M5728	BANNING MAINTENANCE STATION	SHEET EE1-1
POST MILE			
WAREHOUSE SHOP		POWER PLAN 1	

General Notes:

- A. For exact location of Evaporative coolers and Radiant heaters, see Mechanical plan sheets.
- B. For Evaporative Cooler Schematic diagram, see detail 2 on sheet EE1-4.
- C. For Radiant Heater wiring diagram, see detail 3 on sheet EE1-4.
- D. Homeruns to panelboards shall be installed as shown on the plans. Homeruns shall not be combined.

Notes:

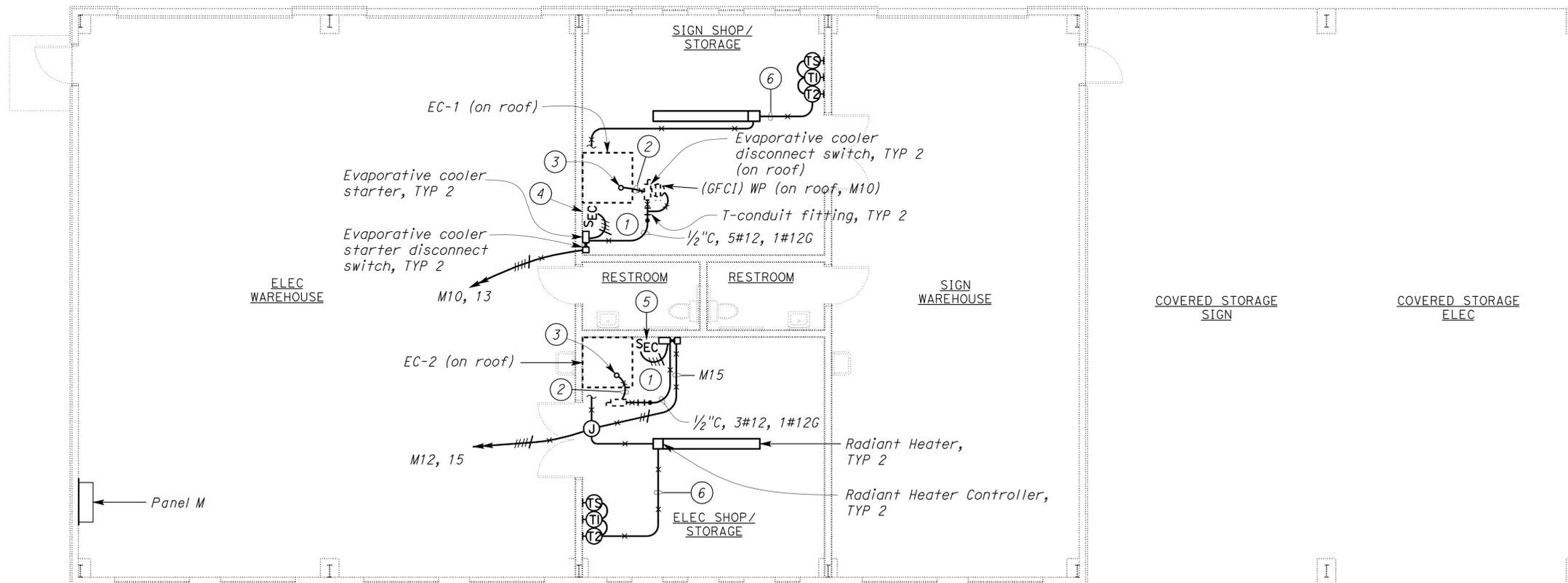
- ① Stub up conduit to suit evaporative cooler unit furnished. Provide conduit flashing around stub up conduit. Mount weatherproof disconnect and weatherproof receptacle (For EC-1 only) with support as required. Connect evaporative cooler blower and pump per manufacturer's recommendations.
- ② 1/2" C, 5#12, 2#12G.
- ③ Terminate conduit in a Type T-conduit fitting. Install 1/2"C, 2#12, 1#12G to circulating pump motor weatherproof receptacle and 1/2"C, 3#12, 1#12G to blower motor.
- ④ Mount a device nameplate adjacent to switch. Inscription shall read "EVAPORATIVE COOLER 1".
- ⑤ Mount a device nameplate adjacent to switch. Inscription shall read "EVAPORATIVE COOLER 2".
- ⑥ 3/4" C, control conductors as required per manufacturer's recommendation.

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: FRANCIS SOLICH
 Approval date: 11-08-11
 CSEW File No. 01-33-11-0030-009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		73	77

Javid Amirazodi
 REGISTERED ELECTRICAL ENGINEER DATE 12-05-11
 9-17-12
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 J. AMIRAZODI
 No. 17509
 Exp. 6-30-13
 ELEC
 STATE OF CALIFORNIA



PLAN

SCALE 3/16" = 1'-0"

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DESIGN	BY Javid Amirazodi	CHECKED Jesse Sandhu
DETAILS	BY Ed D. Tapalla 2/11	CHECKED Javid Amirazodi
QUANTITIES	BY Javid Amirazodi	CHECKED Jesse Sandhu

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO. 56M5728
 POST MILE

BANNING MAINTENANCE STATION
 WAREHOUSE SHOP
POWER PLAN 2

SHEET **EE1-2** OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		74	77
Javid Amirazodi REGISTERED ELECTRICAL ENGINEER DATE 12-05-11					
9-17-12					
PLANS APPROVAL DATE					
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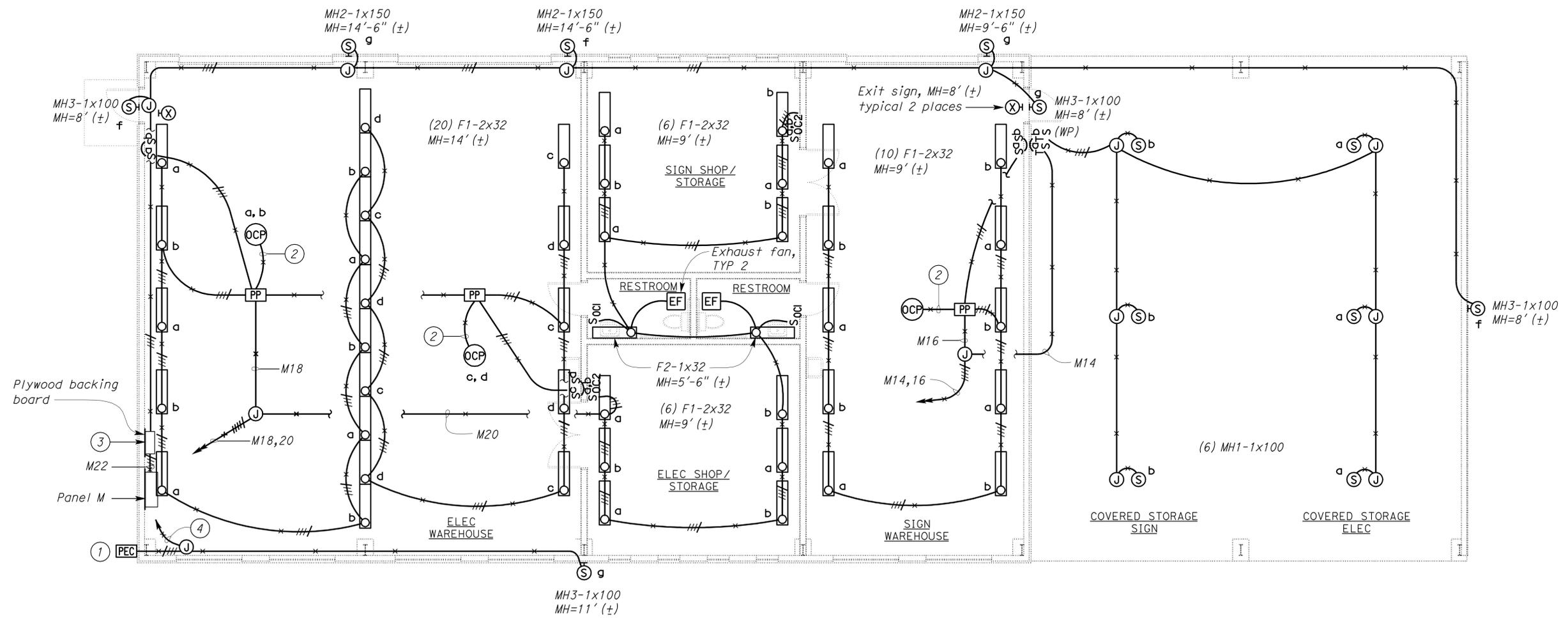
General Notes:

- A. For wall switch occupancy sensor type 1 and 2 and pendant/ceiling mounted occupancy sensor wiring diagrams, see details 2, 3 and 4 on EE1-5 respectively.
- B. For exact location of lighting fixtures, see Architectural plan sheets.
- C. Mount power pack unit inside a junction box or NEMA type 1 enclosure.
- D. All light switches shall be connected to the load side of occupancy relays.
- E. Exact location of occupancy sensors shall be as recommended by the sensor manufacturer.
- F. For Lighting Fixture Schedule, see sheet EE1-6.
- G. For exact location of exhaust fans, see Mechanical plan sheets.
- E. Homeruns to panelboards shall be installed as shown on the plans. Homeruns shall not be combined.

Notes:

- ① Mount PEC facing north.
- ② 1/2" C, control conductors as required.
- ③ Exterior Lighting Control Station (ELCS), for schematic diagram, see detail 1 sheet on EE1-5.
- ④ 3/4" C, 5#12, 1#12G to ELCS.

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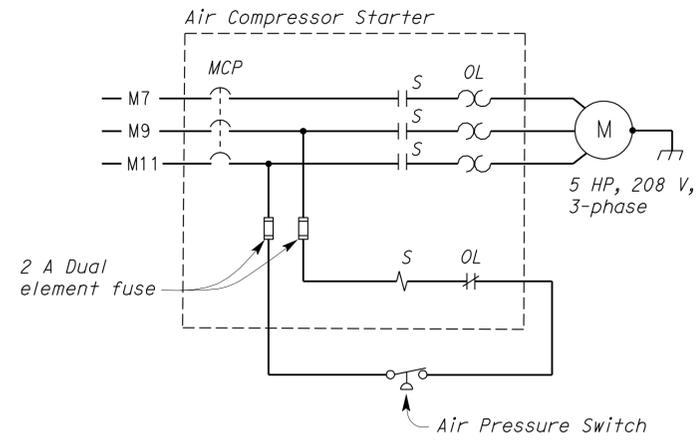
PLAN

SCALE 3/16" = 1'-0"

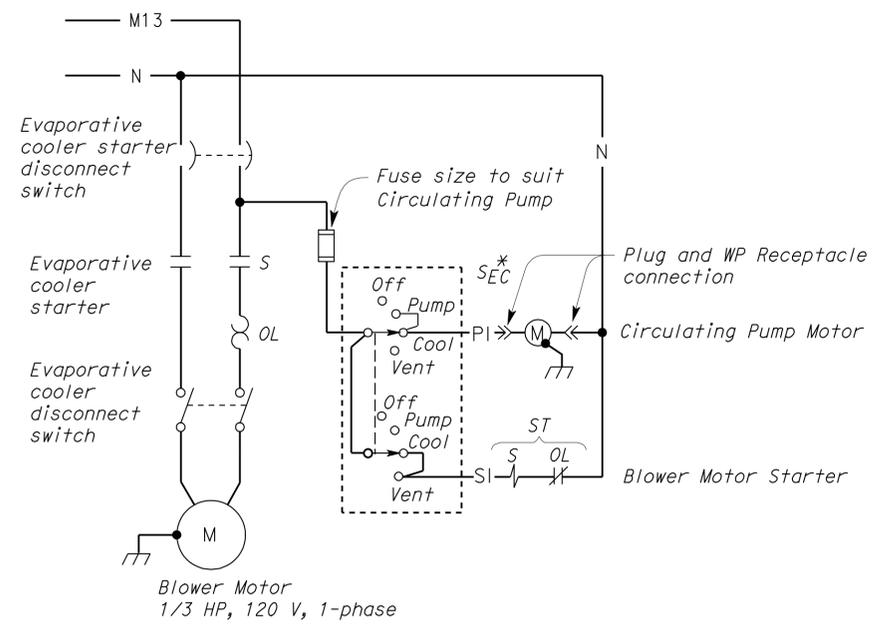
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Javid Amirazodi CHECKED Jesse Sandhu DETAILS BY Ed D. Tapalla 2/11 CHECKED Javid Amirazodi QUANTITIES BY Javid Amirazodi CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728 POST MILE	BANNING MAINTENANCE STATION WAREHOUSE SHOP	SHEET EE1-3 OF	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000203241 EA 499801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 2/20/11 9/7/11 12/5/11	SHEET OF	20-SEP-2012 11:50 ee1_3.dgn
	TAEWW Imper-Id Rev. 7/10					

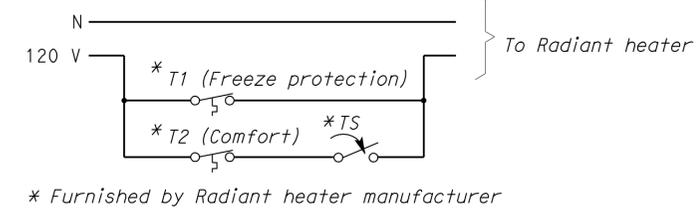
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		75	77
<i>Javid Amirazodi</i> REGISTERED ELECTRICAL ENGINEER No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA				12-05-11 DATE	
9-17-12 PLANS APPROVAL DATE					
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1 AIR COMPRESSOR SCHEMATIC DIAGRAM

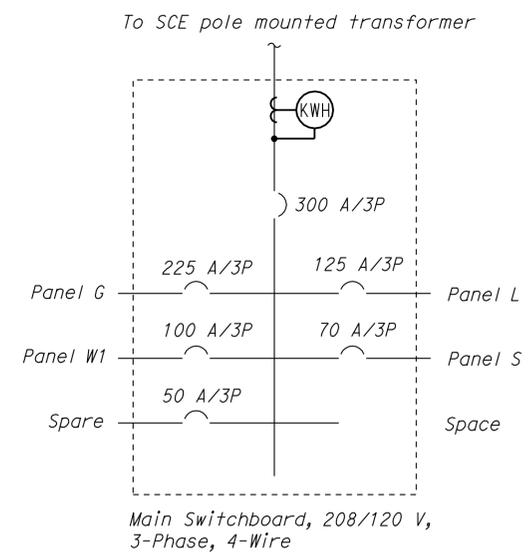


2 EVAPORATIVE COOLER SCHEMATIC DIAGRAM

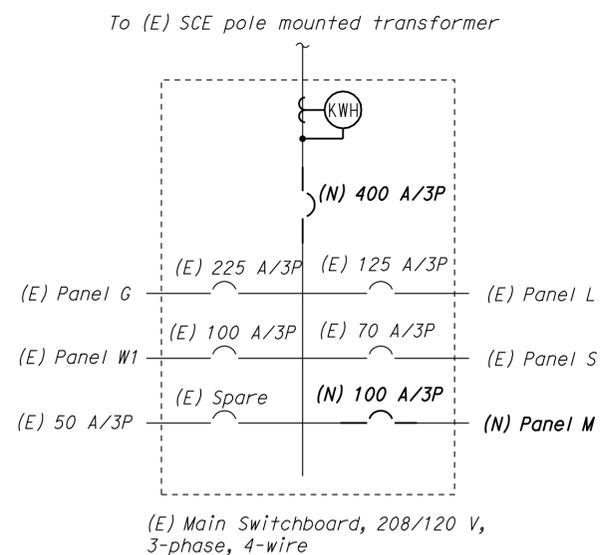


3 RADIANT HEATER WIRING DIAGRAM

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 Reviewed by: FRANCIS SOLICH
 Approval date: 11-08-11
 CSEW File No. 01-33-11-0030-009

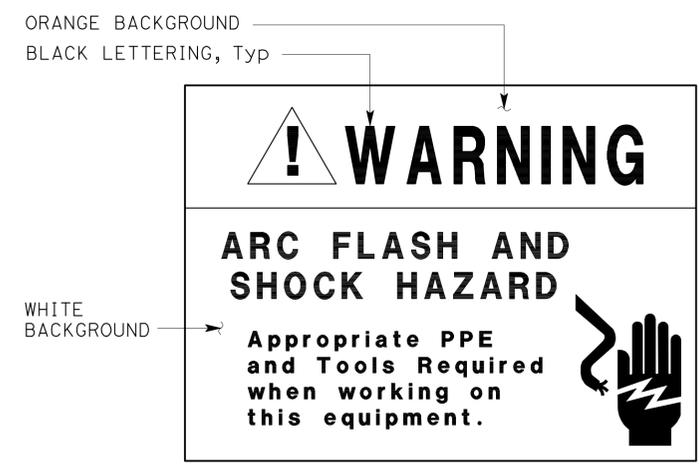


EXISTING



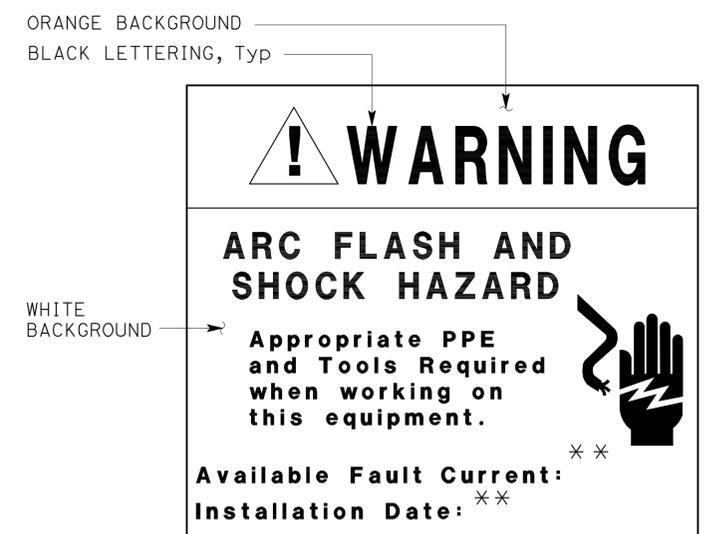
MODIFIED

4 SINGLE LINE DIAGRAM



5 WARNING LABEL
NO SCALE

* Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material.



6 WARNING LABEL
NO SCALE

* Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material.

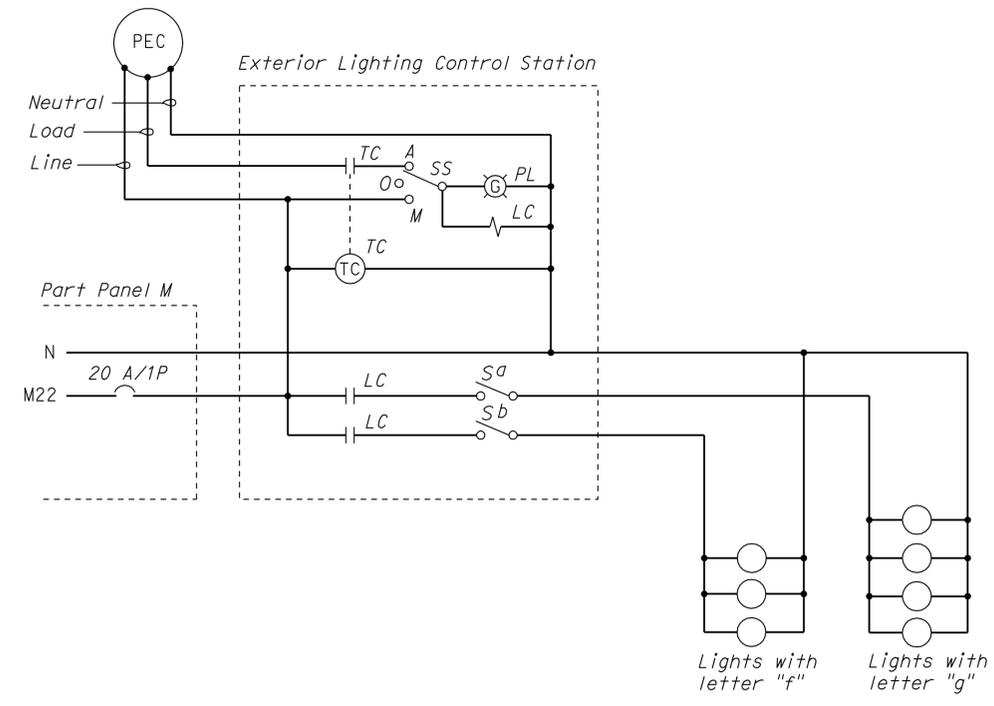
** The data will be provided by the Engineer to the Contractor after utility service related work is done by local electric utility company.

DESIGN	BY	Javid Amirazodi	CHECKED	Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	BANNING MAINTENANCE STATION		SHEET EE1-4
	DETAILS	BY	Ed D. Tapalla 2/11	CHECKED			Javid Amirazodi	56M5728	WAREHOUSE SHOP	
QUANTITIES	BY	Javid Amirazodi	CHECKED	Jesse Sandhu	PROJECT NUMBER & PHASE	08000203241	POST MILE	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
TAEMWW Imperial Rev. 7/10		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		DISREGARD PRINTS BEARING EARLIER REVISION DATES		3/7/11 12/5/11		OF

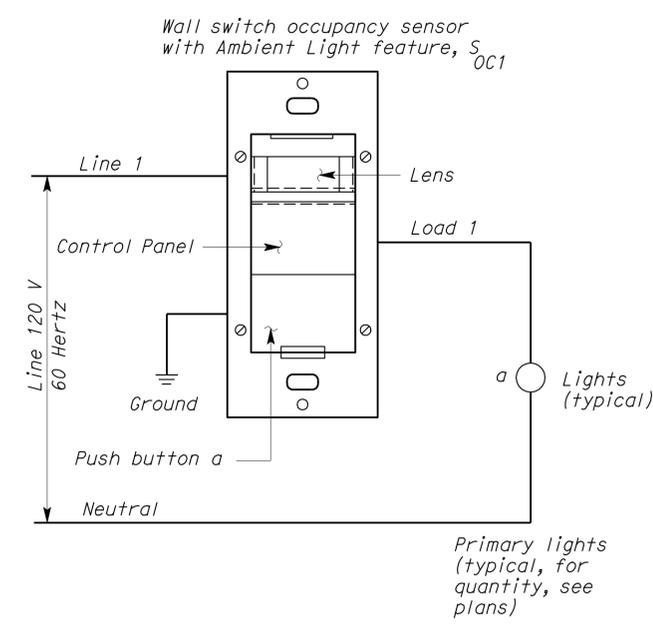
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		76	77
Javid Amirazodi REGISTERED ELECTRICAL ENGINEER DATE: 12-05-11				J. AMIRAZODI No. 17509 Exp. 6-30-13 ELEC STATE OF CALIFORNIA	
9-17-12					
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 CSFM File No. 01-33-11-0030-009



1 EXTERIOR LIGHTING CONTROL STATION SCHEMATIC DIAGRAM

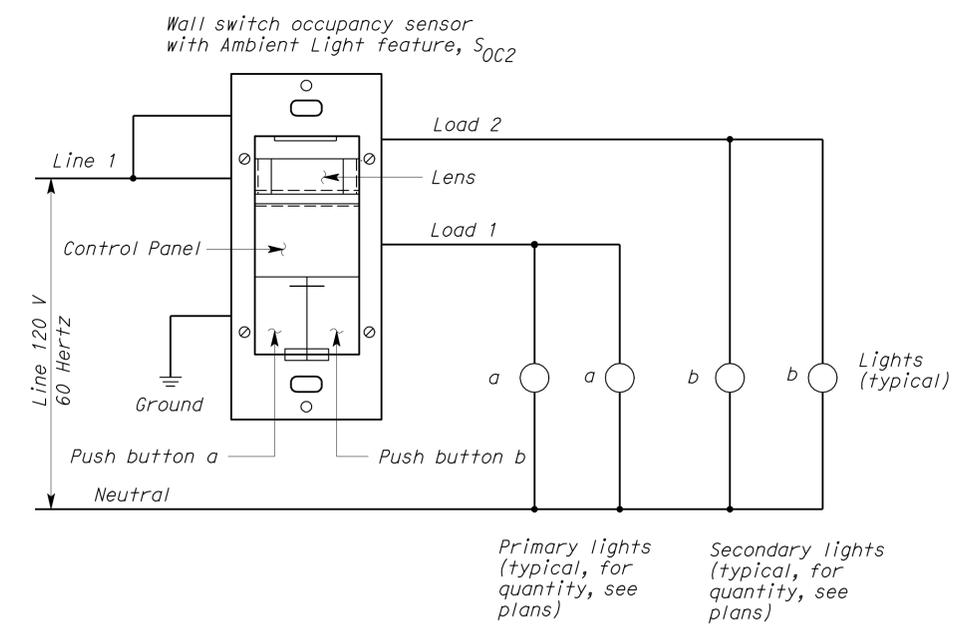


2 WALL SWITCH OCCUPANCY SENSOR, TYPE 1 WIRING DIAGRAM

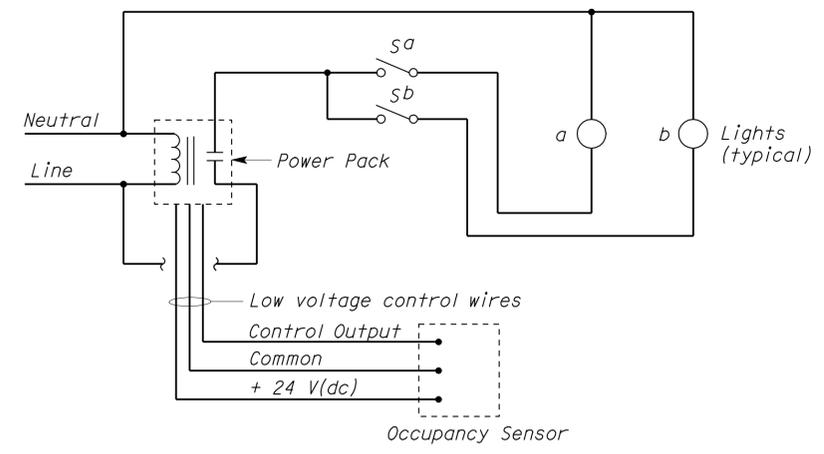
General Notes:

A. Switches and occupancy sensor diagrams shown are for reference only. Final connection of occupancy sensors and/or motion sensor wall switches shall be per manufacturer's recommendation. The Contractor shall provide at no cost to the State any additional conductors that are not shown but are required for the proper operation of the selected system.

B. For location of Building Exterior Lights, Exterior Lighting Control Station, switches and occupancy sensors, see sheet EE1-3.



3 WALL SWITCH OCCUPANCY SENSOR, TYPE 2 WIRING DIAGRAM



4 PENDANT/CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM

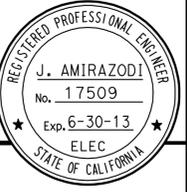
DESIGN BY: Javid Amirazodi CHECKED: Jesse Sandhu DETAILS BY: Ed D. Tapalla 2/11 CHECKED: Javid Amirazodi QUANTITIES BY: Javid Amirazodi CHECKED: Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728 POST MILE	BANNING MAINTENANCE STATION WAREHOUSE SHOP	SHEET OF EE1-5
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	UNIT PROJECT NUMBER & PHASE: 3596 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	TAEMWW Imperial Rev. 7/10	EA 499801	2/20/11 3/7/2011 12/5/11	ee1_5.dgn	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
08	Riv	5728		77	77

Jarid Amirzodi 12-05-11
REGISTERED ELECTRICAL ENGINEER DATE

9-17-12
PLANS APPROVAL DATE

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LIGHT FIXTURE SCHEDULE			
TYPE	MANUFACTURER	LAMPS	DESCRIPTION
F1	LITHONIA AF SERIES, COLUMBIA DYNAMO KL SERIES OR EQUAL	2-32 W T8	STEM MOUNTED, FOUR FEET, INDUSTRIAL FLUORESCENT FIXTURE WITH TWO 32-WATT T8 LAMP, 120 VOLTS ELECTRONIC BALLAST, AND WHITE BAKED ENAMEL RIBBED REFLECTOR. FIXTURE SHALL BE COMPLETE WITH END PLATES.
F2	LITHONIA CB SERIES, COLUMBIA PT SERIES OR EQUAL	1-32 W T8	WALL MOUNTED, FOUR FEET, FLUORESCENT FIXTURE WITH ONE 32-WATT T8 LAMP, 120 VOLTS, ELECTRONIC BALLAST, AND ONE PIECE ACRYLIC WRAP AROUND DIFFUSER WITH SONIC WELDED INJECTION MOLDED LUMINOUS ENDS. OVERALL WIDTH SHALL NOT BE LESS THAN 6 INCHES.
MH1	LITHONIA VR4C SERIES, DAY BRITE CLI SERIES OR EQUAL	1-100 W METAL HALIDE	OUTDOOR, CEILING MOUNTED, FULLY GASKETED SQUARE HOUSING WITH DROP PRISMATIC POLYCARBONATE LENSES. 100-WATT METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.
MH2	LITHONIA, TWH SERIES, DAY BRITE WL SERIES OR EQUAL	1-150 W METAL HALIDE	OUTDOOR, WALL MOUNTED, FULLY GASKETED DARK BRONZE HOUSING WITH ONE PIECE, UV STABILIZED POLYCARBONATE LENSES. 150-WATT METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.
MH3	LITHONIA, TWH SERIES, DAY BRITE WL SERIES OR EQUAL	1-100 W METAL HALIDE	OUTDOOR, WALL MOUNTED, FULLY GASKETED DARK BRONZE HOUSING WITH ONE PIECE, UV STABILIZED POLYCARBONATE LENSES. 100-WATT METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
Approval date: 11-08-11
CSFW File No. 01-33-11-0030-009

MAIN: 100 A/3P CIRCUIT BREAKER
VOLTS: 208/120 V, 3-PHASE, 4-WIRE

PANEL: M (BOTTOM FEED)

FEEDER SIZE: 4#250 kcmil, 1#4 G
LOCATION: WAREHOUSE/SHOP

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
OVERHEAD DOORS	13			20/3	1	•			2	20/1*	15			RECEPTACLE-SOUTH AND EAST WALLS OF SIGN WAREHOUSE, EAST WALL OF COVERED STORAGE SIGN
		13			3		•		4	20/1*		15		RECEPTACLE-SIGN SHOP STORAGE, NORTH WEST SIGN AND NORTH EAST ELEC WAREHOUSE WALLS
			13		5			•	6	20/1*			15	RECEPTACLE-ELEC SHOP STORAGE, SOUTH WEST SIGN AND SOUTH EAST ELEC WAREHOUSE WALLS, RESTROOMS
AIR COMPRESSOR	17			40/3	7	•			8	20/1*	15			RECEPTACLE-SOUTH AND WEST OF WAREHOUSE WALLS
		17			9		•		10	20/1		2		RECEPTACLE-ROOF
			17		11			•	12	20/1			10	RADIANT HEATER
EVAPORATIVE COOLER 1-NORTH	8			20/1	13*	•			14	20/1	5		LIGHTS-COVERED STORAGE	
EVAPORATIVE COOLER 2-SOUTH		8		20/1	15*	•			16	20/1		7	LIGHTS-SIGN WAREHOUSE	
SPACE				-	17			•	18	20/1			14	LIGHTS-ELEC WAREHOUSE
				-	19	•			20	20/1**	8			LIGHTS-SIGN/ELEC SHOP, RESTROOMS
				-	21			•	22	20/1		10		EXTERIOR LIGHTING CONTROL STATION
				-	23			•	24	20/1			-	SPARE
				-	25	•			26	20/1	-			SPARE
				-	27			•	28	20/1		-		SPARE
				-	29			•	30	20/1			-	SPARE

* GFCI TYPE RECEPTACLE.
** CIRCUIT BREAKER SHALL HAVE PERMANENT PROVISIONS FOR PLACEMENT OF A LOCK ON IT TO SECURE THE DEVICE IN THE OFF POSITION. THE LOCK-OUT DEVICE MUST BE PART OF THE CIRCUIT BREAKER AND/OR PANELBOARD ASSEMBLY AND MUST REMAIN IN PLACE AFTER THE PADLOCK IS REMOVED.

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
81	72	69	

DESIGN BY <i>Jarid Amirzodi</i> CHECKED <i>Jesse Sandhu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 56M5728	BANNING MAINTENANCE STATION		SHEET EE1-6
			POST MILE	WAREHOUSE SHOP	PANEL AND LIGHT FIXTURE SCHEDULE	
			REVISION DATES (PRELIMINARY STAGE ONLY)			
DETAILS BY <i>Ed D. Tapalla 2/11</i> CHECKED <i>Jarid Amirzodi</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3596 08000203241	DISREGARD PRINTS BEARING EARLIER REVISION DATES	9/7/11 12/5/11	SHEET OF	
QUANTITIES BY <i>Jarid Amirzodi</i> CHECKED <i>Jesse Sandhu</i>	EA 499801	EA 499801				ee1_6.dgn

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