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

STATE OF CALIFORNIA  
**DEPARTMENT OF TRANSPORTATION**  
**PROJECT PLANS FOR CONSTRUCTION ON**  
**STATE HIGHWAY**  
**IN SACRAMENTO COUNTY**  
**IN SACRAMENTO**  
**AT THE NORTHGATE MAINTENANCE STATION**  
**AT 3940 ROSIN COURT**

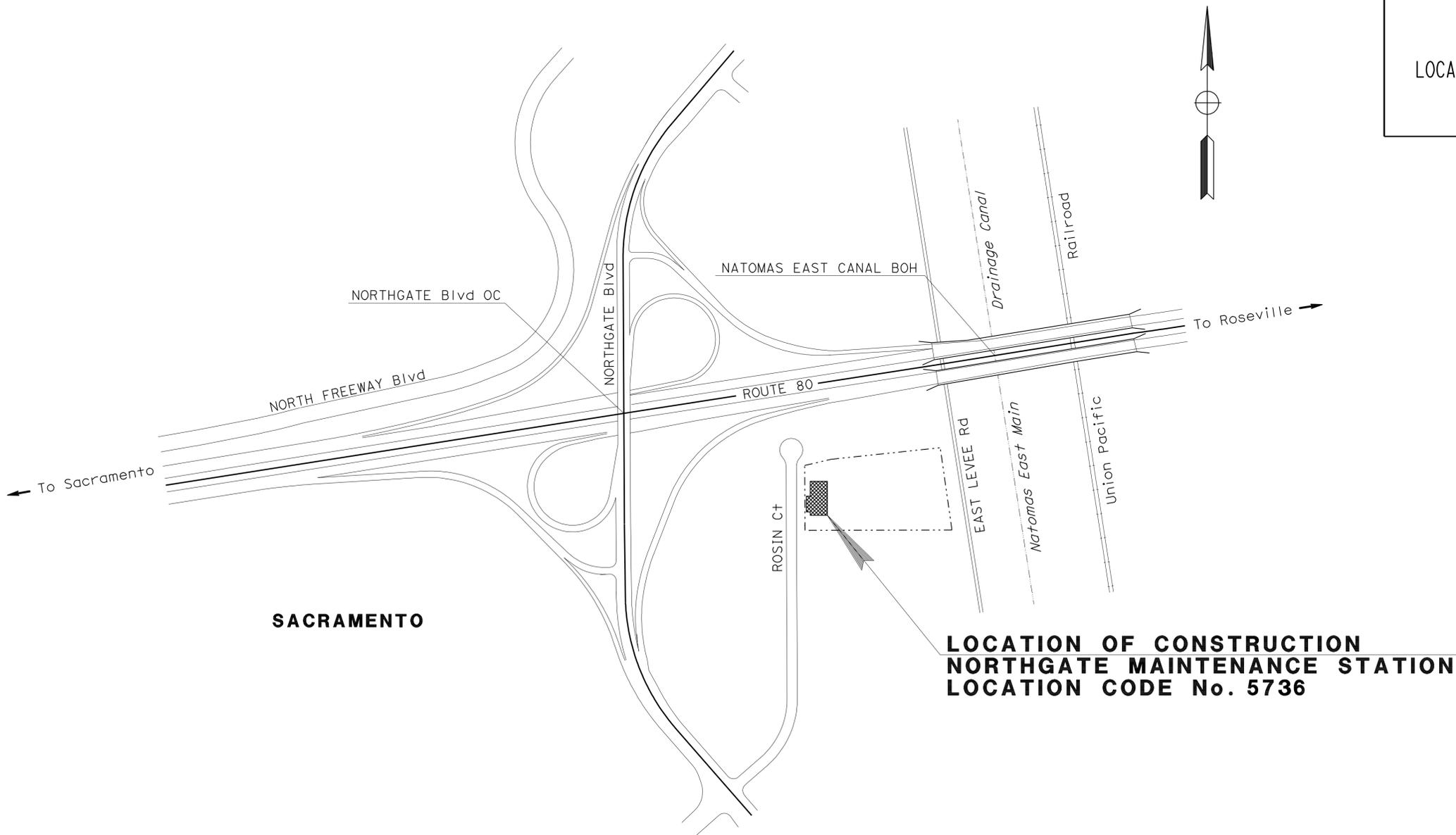
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Sac	5736		1	84





LOCATION MAP



PROJECT MANAGER NAJED DAKAK	DESIGN ENGINEER FERMIN BARRIGA
--------------------------------	-----------------------------------

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

NO SCALE

 11-13-10  
 PROJECT ENGINEER DATE  
 REGISTERED CIVIL ENGINEER  
 March 7, 2011  
 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.

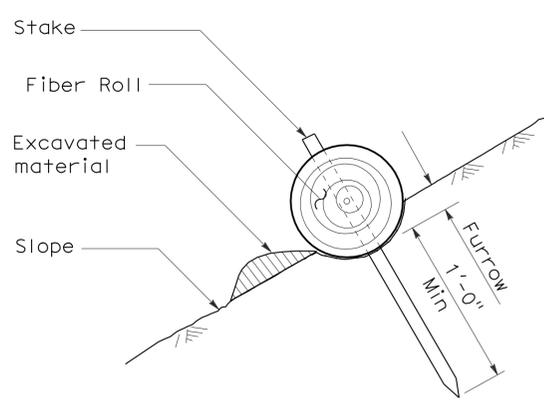
REGISTERED PROFESSIONAL ENGINEER  
 MARLENE GIBB  
 No. 51513  
 Exp. 6-30-12  
 CIVIL  
 STATE OF CALIFORNIA

CONTRACT No.	<b>03-1F4304</b>
PROJECT ID	<b>0300001120</b>

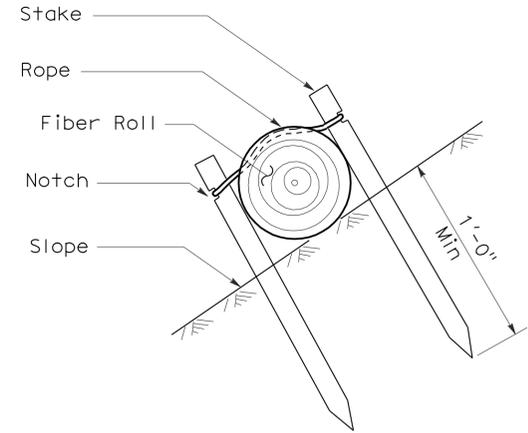
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		2	84

*Robert B. Schott*  
 LICENSED LANDSCAPE ARCHITECT  
 April 3, 2009  
 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.

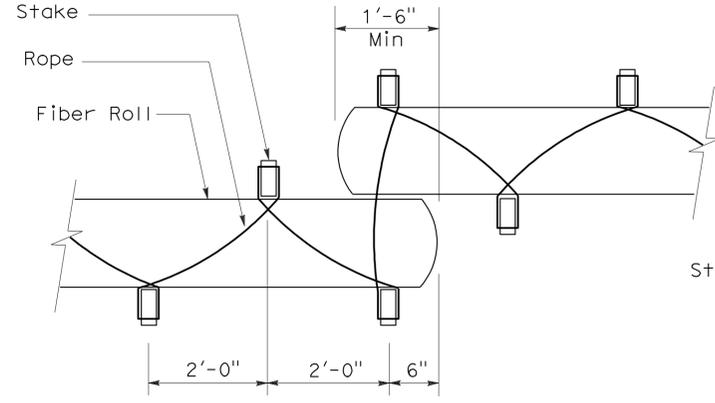
To accompany plans dated 3-7-11



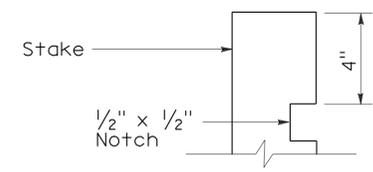
**SECTION**  
**TEMPORARY FIBER ROLL**  
**(TYPE 1)**



**SECTION**  
**TEMPORARY FIBER ROLL**  
**(TYPE 2)**

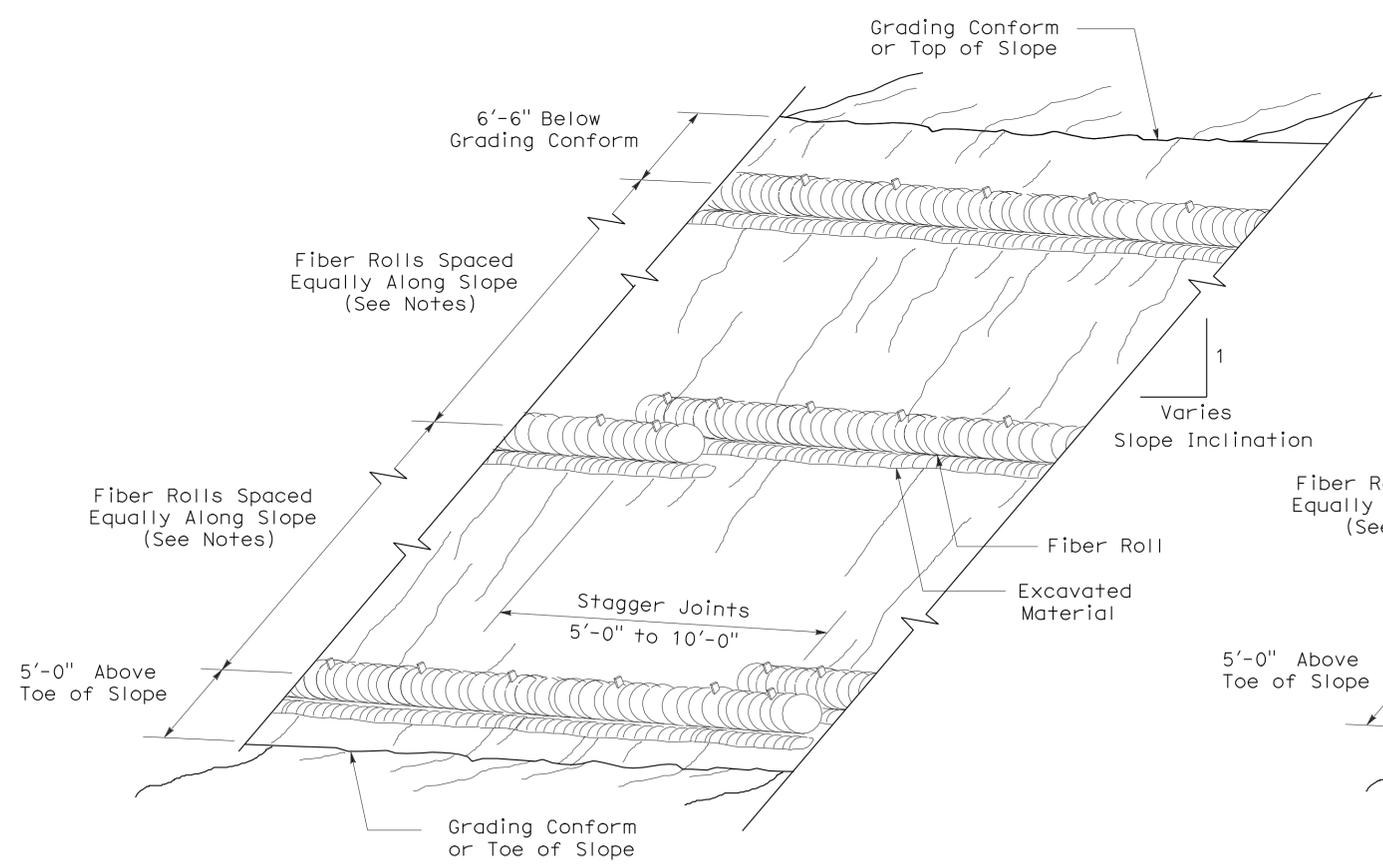


**PLAN**

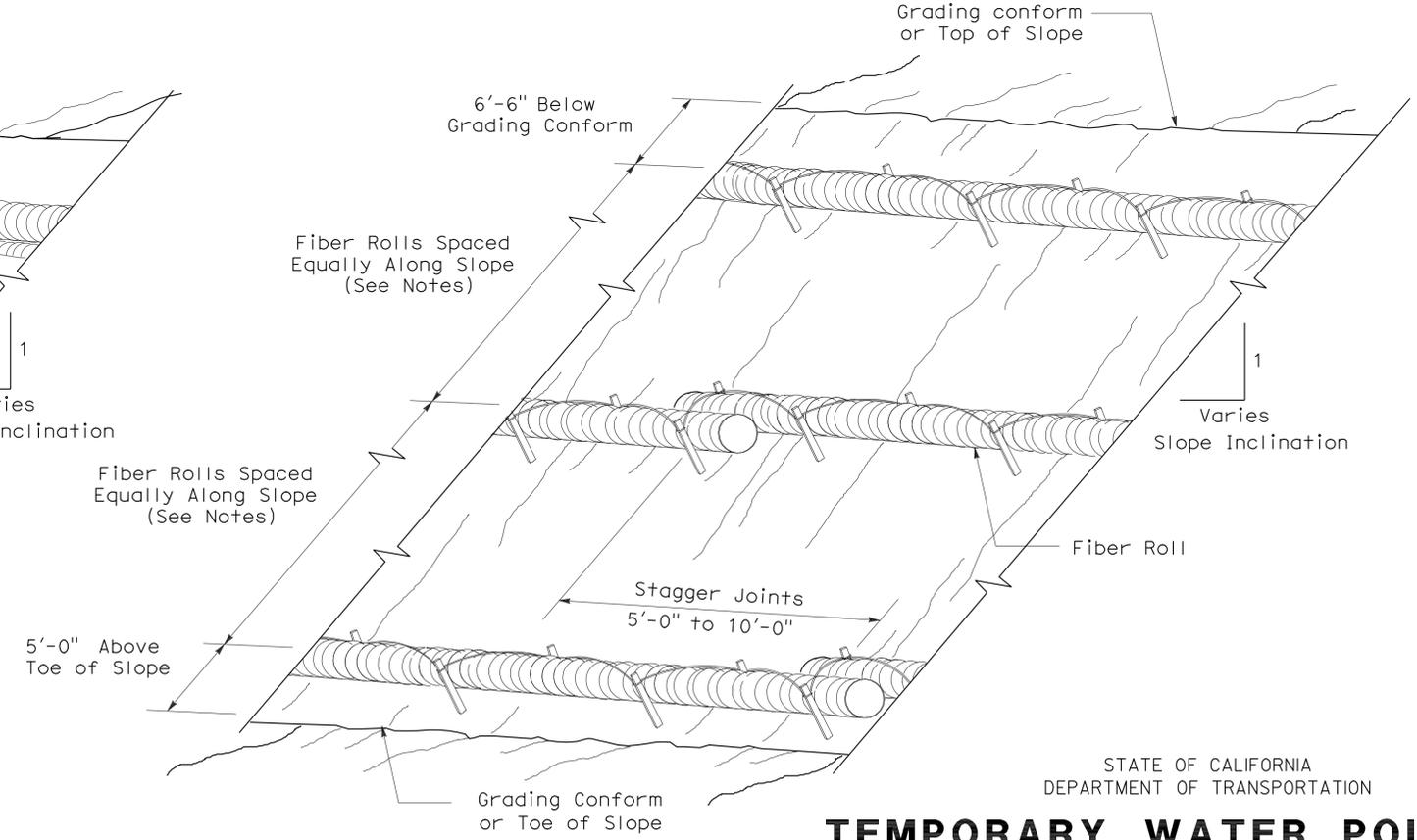


**ELEVATION**  
**STAKE NOTCH DETAIL**

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
  2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 1)**



**PERSPECTIVE**  
**TEMPORARY FIBER ROLL (TYPE 2)**

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION CONTROL DETAILS (TEMPORARY FIBER ROLL)**

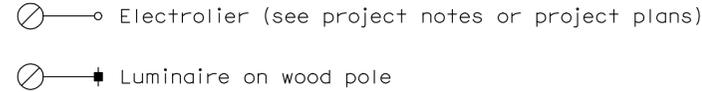
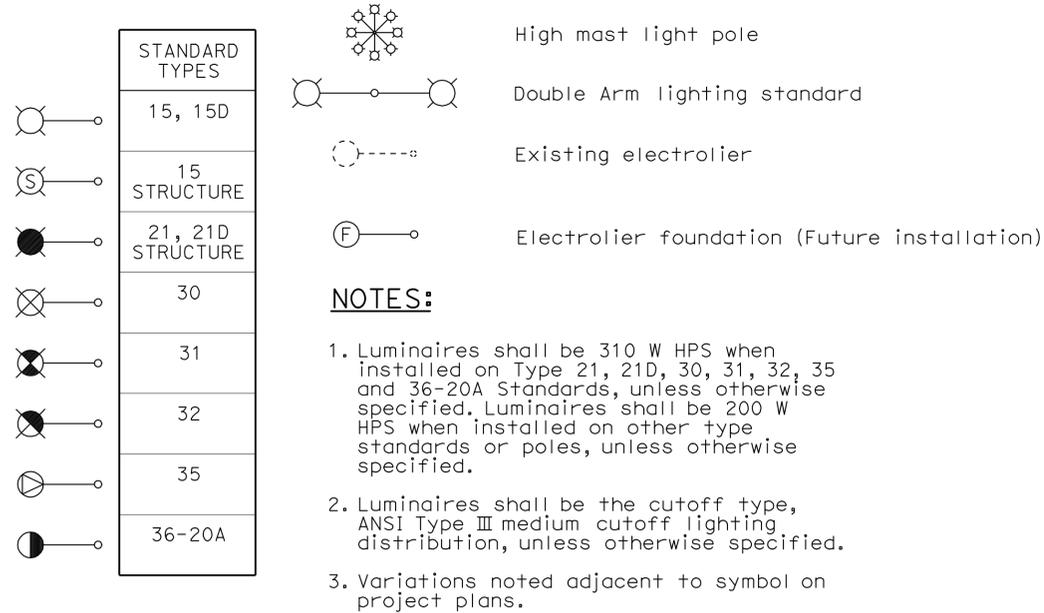
NO SCALE

RSP T56 DATED APRIL 3, 2009 SUPERSEDES STANDARD PLAN T56 DATED MAY 1, 2006 - PAGE 232 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP T56**

2006 REVISED STANDARD PLAN RSP T56

# ELECTROLIERS



## STANDARD NOTES:

- AB** Abandon. If applied to conduit, remove conductors.
- BC** Install pull box in existing conduit run.
- BP** Pedestrian barricade, type as indicated on plan.
- CB** Install conduit into existing pull box.
- CC** Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- CF** Conduit to remain for future use. Remove conductors. Install pull wire or rope.
- DH** Detector handhole.
- FA** Foundation to be abandoned.
- IS** Install sign on signal mast arm.
- NS** No slip base on standard.
- PEC** Photoelectric control.
- PEU** Photoelectric unit.
- RC** Equipment or material to be removed and become the property of the Contractor.
- RE** Remove electrolier, fuses and ballast. Tape ends of conductors.
- RL** Relocate equipment.
- RR** Remove and reuse equipment.
- RS** Remove and salvage equipment.
- SC** Splice new to existing conductors.
- SD** Service disconnect.
- SF** Standard to remain for future use. Remove luminaire, pole conductors, fuses and ballast.
- TSP** Telephone service point.

# ABBREVIATIONS AND EQUIPMENT DESIGNATIONS

## PROPOSED EXISTING

PROPOSED	EXISTING	DESCRIPTION
BBS	bbs	Battery backup system
BC	bc	Bolt circle
C	C	Conduit
CCTV	cctv	Closed circuit television
CKT	ckt	Circuit
CMS	cms	Changeable message sign
DLC	dlc	Loop detector lead-in cable
EMS	ems	Extinguishable message sign
EVC	evc	Emergency vehicle cable
EVD	evd	Emergency vehicle detector
FB	fb	Flashing beacon
FBCA	fbca	Flashing beacon control assembly
FBS	fbs	Flashing beacon with slip base
FO	fo	Fiber optic
G	G	Ground (Equipment Grounding Conductor)
GFCI	GFCI	Ground fault circuit interrupt
HAR	har	Highway advisory radio
HEX	hex	Hexagonal
HPS	hps	High pressure sodium
IISNS	iisns	Internally illuminated street name sign
ISL	isl	Induction sign lighting
LED	led	Light emitting diode
LMA	lma	Luminaire mast arm
LPS	lps	Low pressure sodium
LTG	ltg	Lighting
LUM	lum	Luminaire
MAT	mat	Mast arm mounting vehicle signal faces, top attachment
MAS	mas	Mast arm mounting vehicle signal faces, side attachment
MAS-4A	mas-4A	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4B	mas-4B	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-4C	mas-4C	Mast arm mounting vehicle signal faces, side attachment - 4 signal section
MAS-5A	mas-5A	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MAS-5B	mas-5B	Mast arm mounting vehicle signal faces, side attachment - 5 signal section
MC	mc	Mercury contactor
M/M	m/m	Multiple to multiple transformer
MT	mt	Conduit with pull wire or rope only
MTG	mtg	Mounting
	mv	Mercury vapor lighting fixture
N	N	Neutral (Grounded Conductor)
NC	NC	Normally closed
NO	NO	Normally open
PB	pb	Pull box
PEC	pec	Photoelectric control (Type I, II, III, IV or V as shown)
PED	ped	Pedestrian
PEU	peu	Photoelectric unit
PPB	ppb	Pedestrian push button
RL		Relocated equipment
RM	rm	Ramp metering
SB	sb	Slip base
SIC	sic	Signal interconnect cable
SIG	sig	Signal
SMA	sma	Signal mast arm
SNS	sns	Street name sign
SP	sp	Service point
TDC	tdc	Telephone demarcation cabinet
TMS	tms	Traffic monitoring station
TOS	tos	Traffic Operations System
VEH	veh	Vehicle
XFMR	xfmr	Transformer
COMM	comm	Communication
RWIS	rwis	Roadway weather information system

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		3	84

*Jeffery G. McRae*  
REGISTERED ELECTRICAL ENGINEER

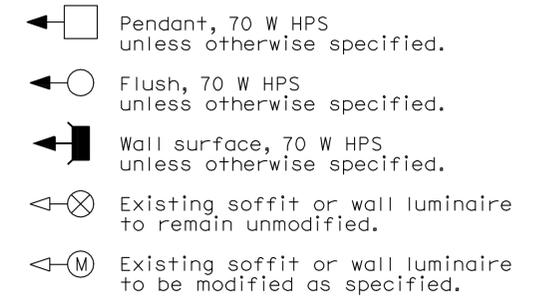
October 5, 2007  
PLANS APPROVAL DATE

Jeffery G. McRae  
No. E14512  
Exp. 6-30-08  
ELECTRICAL  
STATE OF CALIFORNIA

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

To accompany plans dated 3-7-11

## SOFFIT AND WALL MOUNTED LUMINAIRES



### NOTE:

Arrow indicates "street side" of luminaire.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

## ELECTRICAL SYSTEMS (SYMBOLS AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED OCTOBER 5, 2007 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 1, 2006 - PAGE 400 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-1A**

2006 REVISED STANDARD PLAN RSP ES-1A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		4	84

*Jeffrey G. McRae*  
 REGISTERED ELECTRICAL ENGINEER  
 October 5, 2007  
 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.

REGISTERED PROFESSIONAL ENGINEER  
 Jeffrey G. McRae  
 No. E14512  
 Exp. 6-30-08  
 ELECTRICAL  
 STATE OF CALIFORNIA

To accompany plans dated 3-7-11

### CONDUIT

PROPOSED	EXISTING	
		Lighting Conduit, unless otherwise indicated or noted
		Traffic signal conduit
		Communication conduit
		Telephone conduit
		Fire alarm conduit
		Fiber optic conduit
		Conduit termination
		Conduit riser in/on structure or service pole

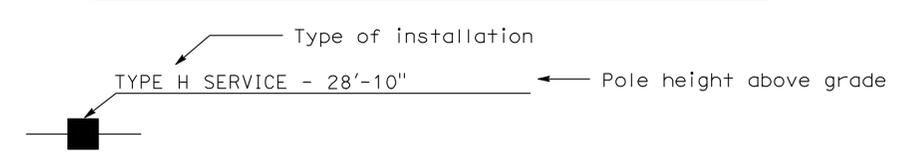
### SIGNAL EQUIPMENT

PROPOSED	EXISTING	
		Pedestrian signal face
		Pedestrian push button post
		Pedestrian barricade
		Vehicle signal face (with backplate, 3-Section: red, yellow and green)
		Vehicle signal face with angle visors
		Modifications of basic symbols: "L" indicates all non-arrow sections louvered "LG" indicates louvered green section only "PV" indicates 12" programmed visibility sections "8" indicates all 8" sections (only when specified)
		Type 15TS and Vehicle signal face
		Vehicle signal face with red, yellow and green left arrow sections
		Vehicle signal face with red and yellow sections and up green arrow
		Vehicle signal face (5 Section) with red, yellow and green sections and yellow and green right arrows
		Type 1 Standard and attached vehicle signal faces
		Standard with signal mast arm only and attached vehicle signal faces and internally illuminated street name sign
		Type 33 Standard, Left-turn vehicle signal face and sign
		Standard with luminaire and signal mast arms and attached vehicle signal faces
		Cantilever flashing beacon Type 9 Frame, with a sign unless otherwise specified or indicated
		Type 15-FBS Standard with two vehicle signal face sections with lens, backplate and visor with a sign
		Flashing beacon. One vehicle signal face section with lens, backplate and visor. "R" indicates red indication, "Y" indicates yellow indication
		Controller assembly. Door indicates front of cabinet

### SERVICE EQUIPMENT

PROPOSED	EXISTING	
		Overhead lines
		Wood pole "U" indicates utility owned
		Pole guy with anchor
		Utility transformer - ground mounted
		Service equipment enclosure type
		Service equipment enclosure door indicates front of enclosure
		Telephone demarcation cabinet

### POLE-MOUNTED SERVICE DESIGNATION



### ILLUMINATED OVERHEAD SIGN

PROPOSED	EXISTING	
		Overhead sign - Single post
		Overhead sign - Two post
		Overhead sign - Mounted on structure
		Overhead sign with electrolier

### SIGNAL EQUIPMENT Cont

PROPOSED	EXISTING	
		Guard post
		Type 1 Standard with "Meter On" sign
		Emergency Vehicle detector

### NOTES:

- All signal sections shall be 12" unless shown otherwise.
- Signal heads shall be provided with backplates unless shown otherwise.
- Signal indication shall be LED.

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (SYMBOLS AND ABBREVIATIONS)**  
 NO SCALE

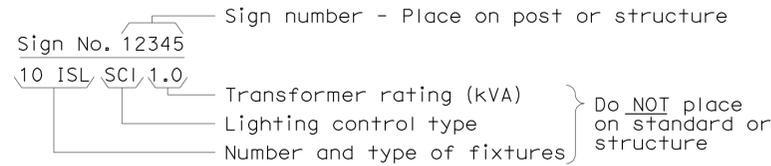
RSP ES-1B DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1B  
 DATED MAY 1, 2006 - PAGE 401 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-1B**

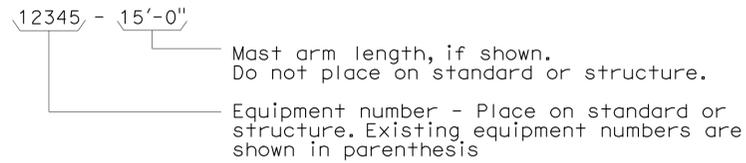
2006 REVISED STANDARD PLAN RSP ES-1B

### EQUIPMENT IDENTIFICATION

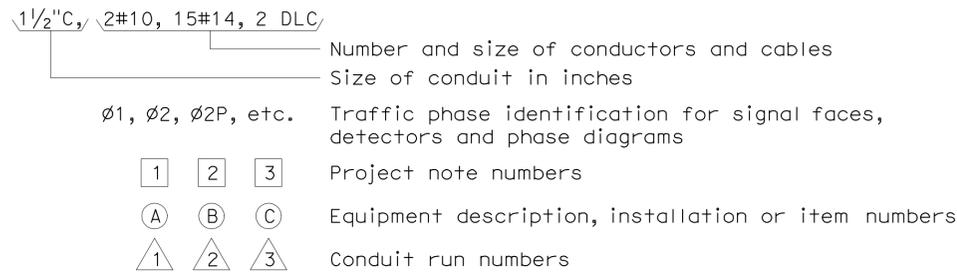
#### ILLUMINATED SIGN IDENTIFICATION NUMBER:



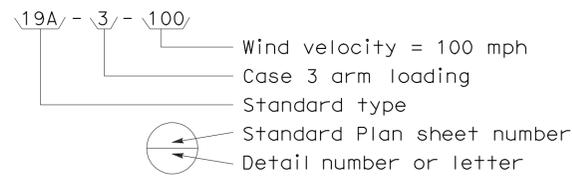
#### ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



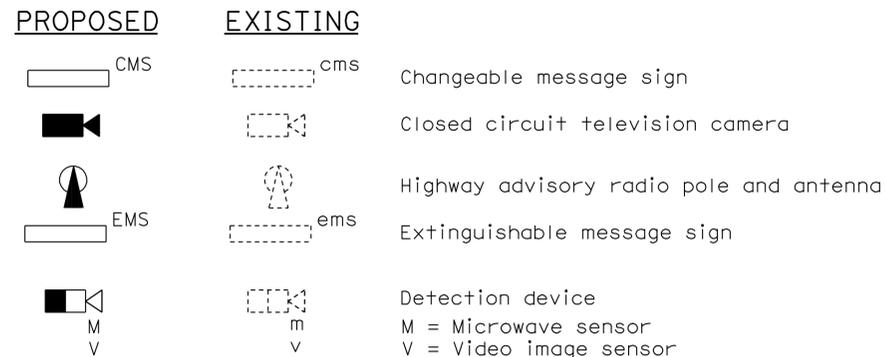
#### CONDUIT AND CONDUCTOR IDENTIFICATION:



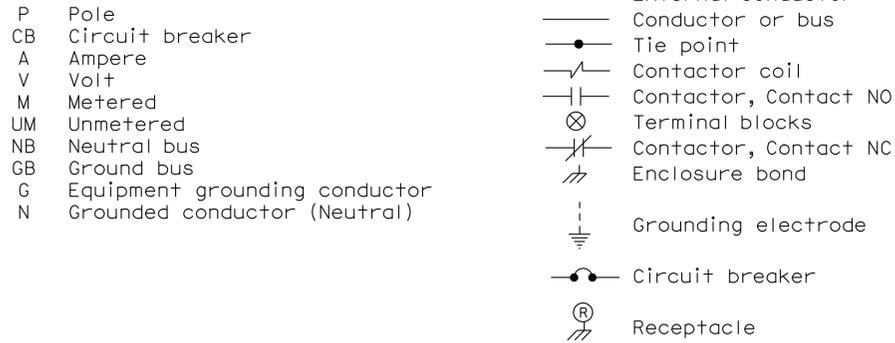
#### SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



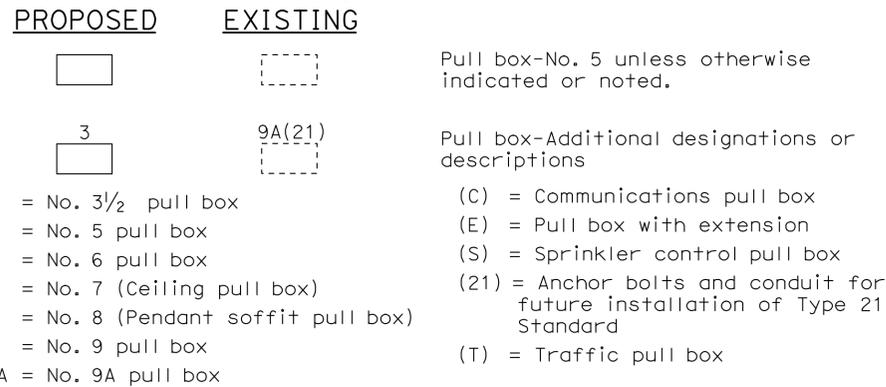
### MISCELLANEOUS EQUIPMENT



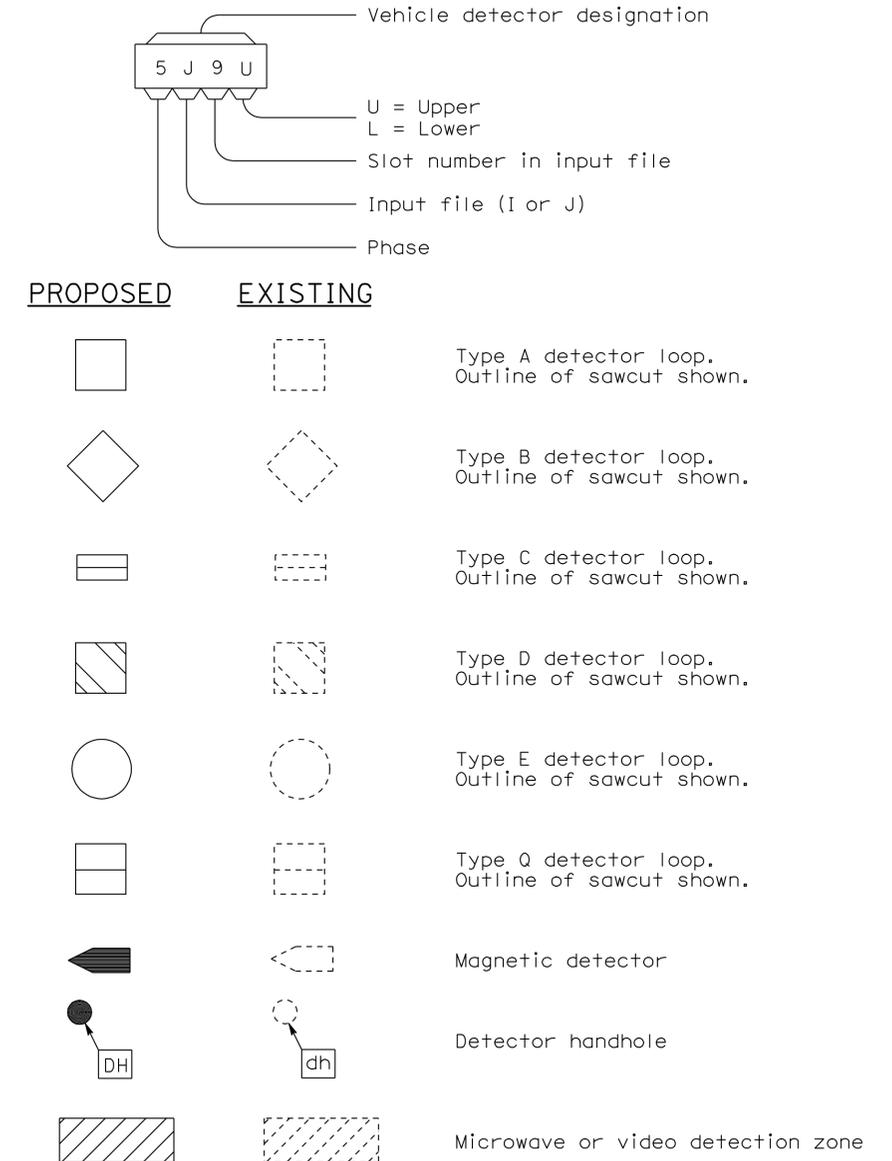
### WIRING DIAGRAM LEGEND



### PULL BOXES



### VEHICLE DETECTORS



STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
 (SYMBOLS AND ABBREVIATIONS)**

NO SCALE

RSP ES-1C DATED OCTOBER 5, 2007 SUPERCEDES STANDARD PLAN ES-1C  
 DATED MAY 1, 2006 - PAGE 402 OF THE STANDARD PLANS BOOK DATED MAY 2006.

**REVISED STANDARD PLAN RSP ES-1C**

2006 REVISED STANDARD PLAN RSP ES-1C

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- ST-2 CONCRETE STANDARD
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- ST-4 COLD FORMED STEEL FRAMING AND NOTES
- ST-5 COLD FORMED STEEL DETAILS
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- ST-7 COLD FORMED STEEL HEADER DETAILS
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- STI-4 BUILDING SECTION
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- STI-8 ROOF FRAMING DETAILS
- STI-9 ROOF FRAMING DETAILS
- STI-10 ROOF FRAMING DETAILS
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- M-1.5 TITLE 24 COMPLIANCE CERTIFICATES
- M-2 HVAC PLAN
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- EE-0.4 INDOOR LIGHTING COMPLIANCE FORM 2
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- EE-5 LIGHTING PLAN
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- EE-8 INTRUSION ALARM SYSTEM
- EE-9 ELECTRICAL DETAILS
- EE-10 PANEL SCHEDULE
- EE-11 FIXTURE SCHEDULE

## BUILDING CODE DATA

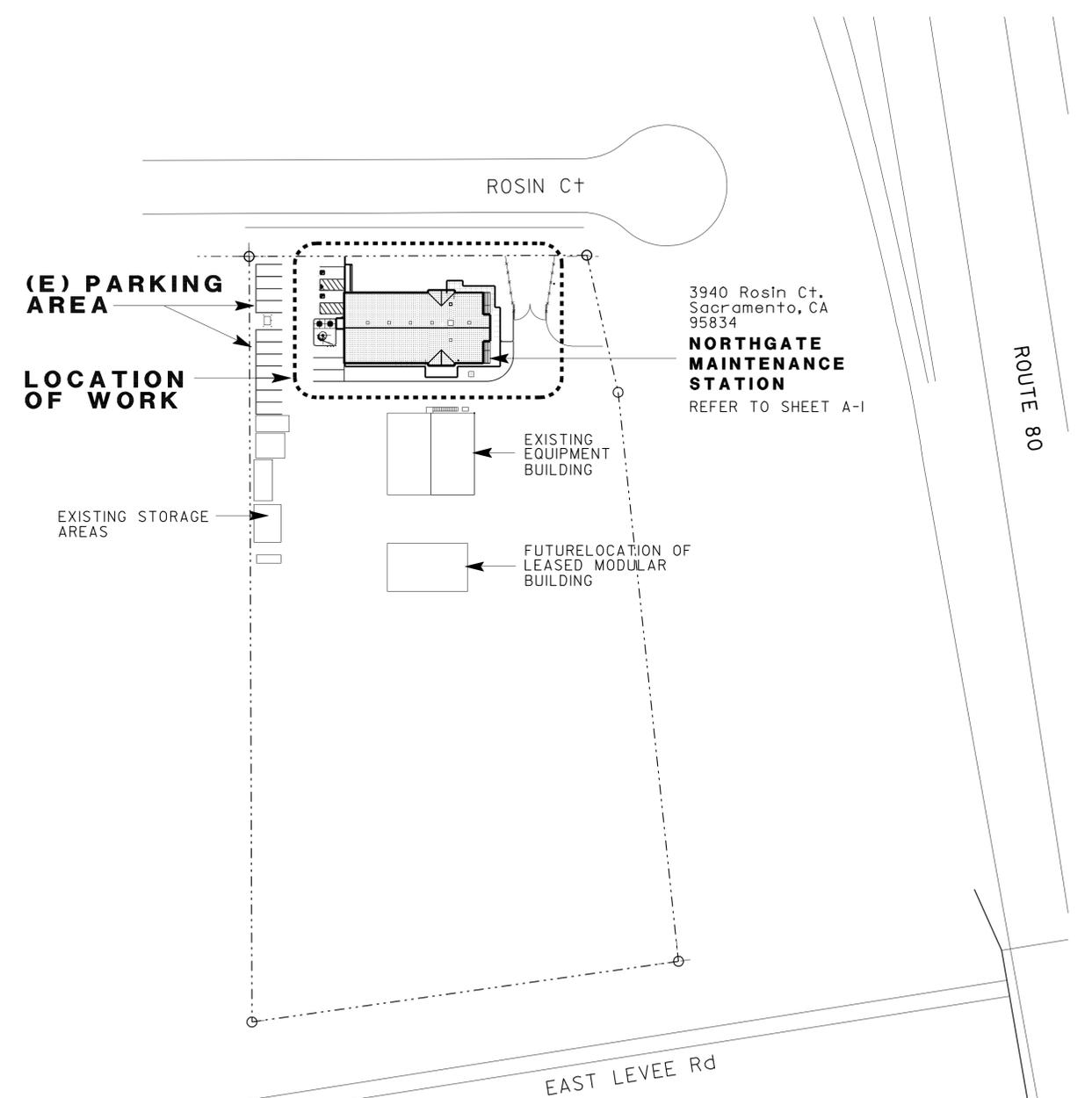
DESIGN CODE	2007 CALIFORNIA BUILDING CODE 2007 CALIFORNIA FIRE CODE 2007 CALIFORNIA MECHANICAL CODE 2007 CALIFORNIA PLUMBING CODE 2007 CALIFORNIA ELECTRICAL CODE 2008 CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS 2007 CALIFORNIA ENERGY CODE (TITLE 24) CURRENT EDITION OF AMERICANS WITH DISABILITIES ACT		
BUILDING OCCUPANCY	B		
AREA DESCRIPTION	AREA IN SQ FT	OCCUPANT	LOAD
OFFICE AREA	4,683 SQ FT	$\frac{4683}{100}$	= 47
TOTAL	4,683 SQ FT		= 47
CONSTRUCTION TYPE :	VB		
ACTUAL BUILDING HEIGHT :	1 STORY, 24'-6"		
ALLOWABLE AREA PER TABLE 503 :	9,000 SQ FT		
NUMBER OF EXITS REQUIRED :	2		
CORRIDOR FIRE RATING :	NOT REQUIRED		
FIRE SPRINKLER :	NOT PROVIDED		
FIRE ALARM :	YES		
SMOKE CONTROL SYSTEM :	YES		

DRAFT SPS&E ACCESS COMPLIANCE BACK CHECK SET



CSFM # 01-34-11-0185

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		6	84
LICENSED ARCHITECT			DATE		
3-7-11			PLANS APPROVAL DATE		
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## GENERAL PLAN

SCALE: 1/60



RE Travis  
DESIGN SUPERVISOR  
Doug Lowe  
DESIGN ARCHITECT

DESIGNER D. LOWE AND C. CANCHEZ  
DRAWN BY C. SANCHEZ

CHECKED BY:  
STRUCTURAL REVIEW

SHEET LEGEND  
A-1 ARCHITECTURAL ST-1 STRUCTURAL  
M-1 MECHANICAL EE-1 ELECTRICAL  
W-1 WATER SUPPLY SS-1 SANITARY

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. X  
POST MILE X

**NORTHGATE MS CREW QUARTERS**  
GENERAL PLAN - INDEX  
BUILDING DATA

SHEET **A0-1** OF X

A0\_01 index.dgn  
DS OSD Imperial Rev. 10/07 10-MAR-2011 13:06

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

CU 03140  
EA 0300001120

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)  
- -07

SHEET OF X X

10-MAR-2011 13:06



DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		8	84

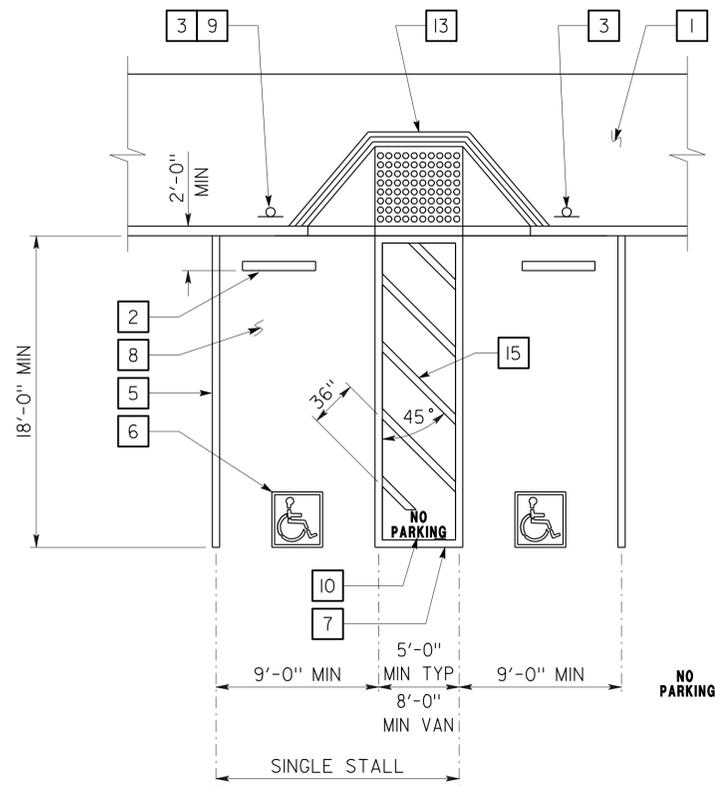
  

 LICENSED ARCHITECT		01-02-10 DATE	 LICENSED ARCHITECT Y.A. WANG No. C14891 Exp. 11-30-11 STATE OF CALIFORNIA
3-7-11 PLANS APPROVAL DATE			

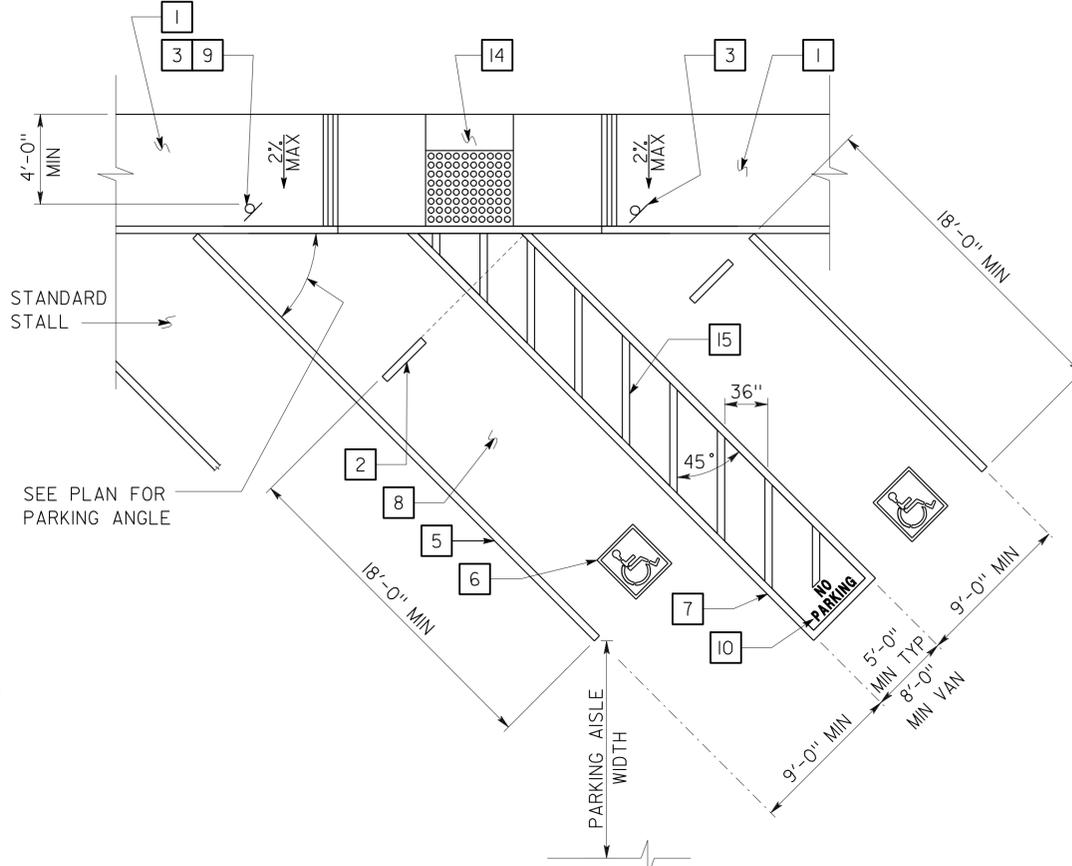
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**KEYED NOTE LEGEND FOR DETAILS 1 & 2**

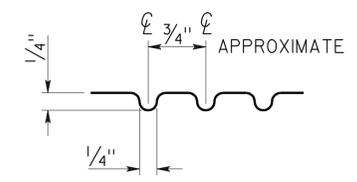
- CONCRETE WALKWAY (WHERE OCCURS) SEE PLANS FOR WIDTH, LAYOUT (MAY VARY), FINISH, JOINTS AND ELEVATIONS.
- PARKING BUMPER (AWAY FROM ACCESS AISLE). SEE SPECIFICATIONS.
- ACCESSIBLE PARKING SPACE SIGNAGE SEE DETAIL 1 ON SHEET AO-3.2.
- 1' WIDE GROOVED BORDER ON LEVEL SURFACE TYP AT RAMP PERIMETER. SEE 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 AO-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 AO-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 AO-3.2.
- LEVEL LANDING - 2% MAX SLOPE W/ 36" DEEP DETECTABLE WARNINGS ADJOINING ACCESS AISLE OR VEHICULAR WAY. SEE DETAIL 6 ON THIS SHEET
- DETECTABLE WARNING TO EXTEND FULL WIDTH AND DEPTH OF CURB RAMP. SEE DETAIL 6 ON THIS SHEET.
- 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.



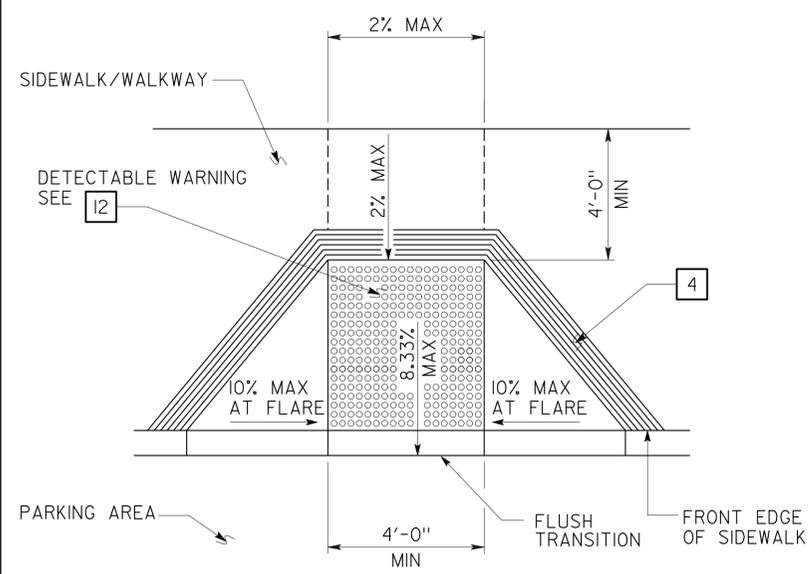
**1 ACCESSIBLE PARKING STALL**



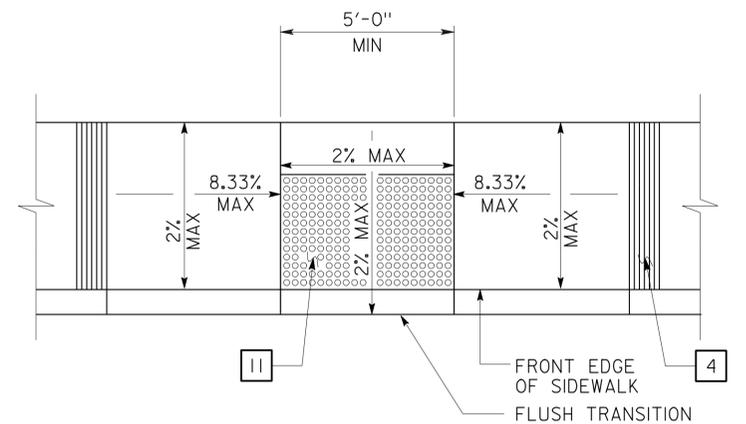
**2 DIAGONAL ACCESSIBLE PARKING STALL**  
SEE PLAN FOR ANY VARIATION OF DIAGONAL PARKING



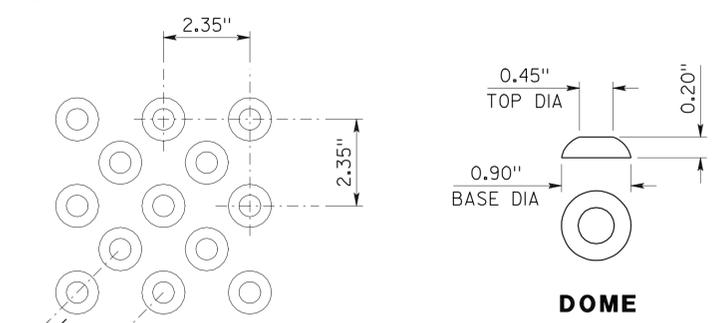
**3 GROOVE DETAIL**



**4 PERPENDICULAR CURB RAMP**



**5 PARALLEL CURB RAMP**



**6 DETECTABLE WARNING - TRUNCATED DOMES**

OFFSET PATTERN SHOWN MAY BE RE-ORIENTED INTO IN-LINE PATTERN WHERE DOMES ARE ALIGNED IN THE DIRECTION OF TRAVEL. DOME DIMENSIONS ARE NOMINAL, WHICH MAY BE WITHIN ±0.05" FOR DOME SPACING, AND ±0.02" FOR OTHERS.

**DETAILS**  
NO SCALE UNLESS OTHERWISE NOTED

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

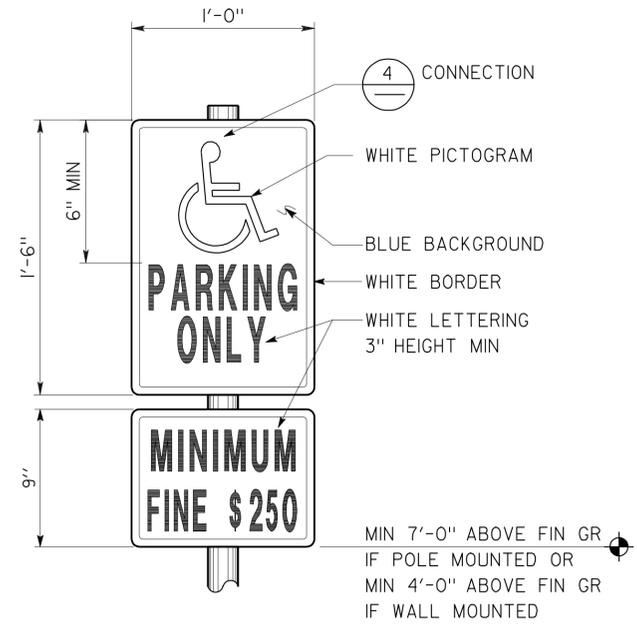
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DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE X		X		ACCESSIBILITY STANDARD DETAILS		OF	
SUBMITTED BY Y.A. WANG				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 03140		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	
DS OSD Imperial Rev. 10/07 10-MAR-2011 13:06				0 1 2 3		EA 030000120		- -07				OF	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		9	84

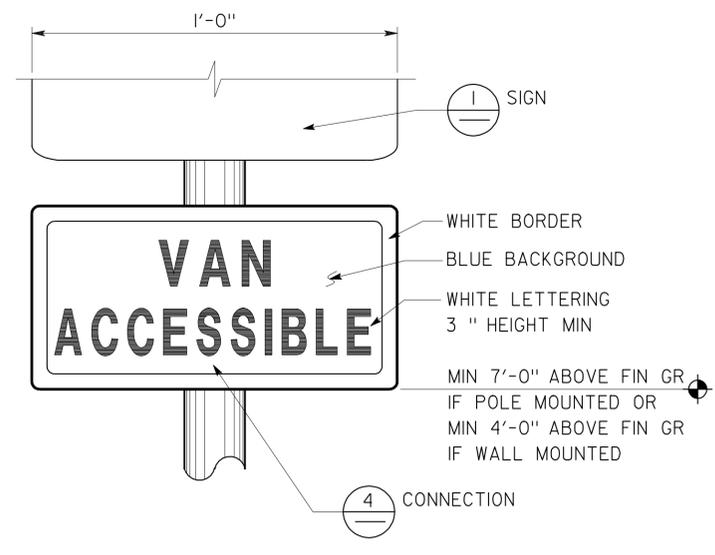
  

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3-7-11 PLANS APPROVAL DATE			

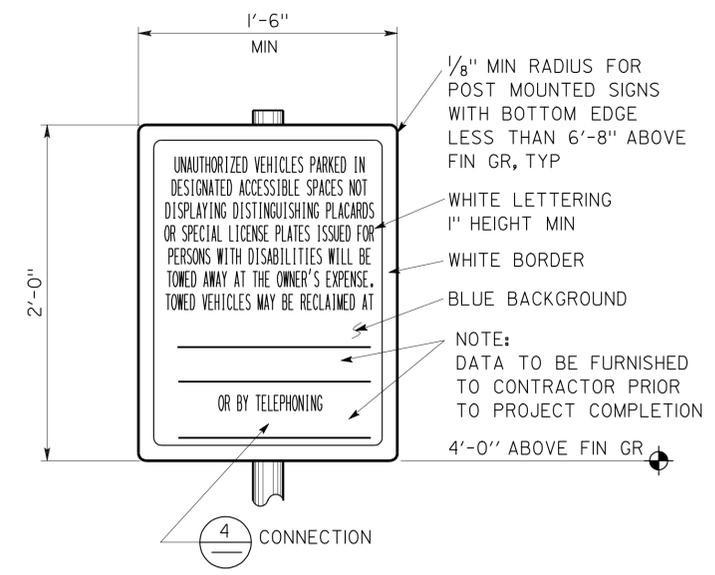
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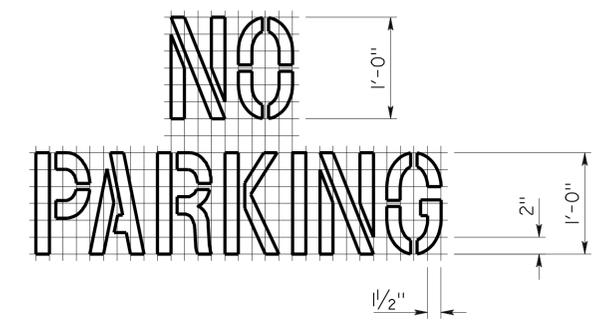
**1 ACCESSIBLE PARKING SIGN**  
 REFER TO SITE PLAN FOR LOCATIONS  
 COMBO SIGN MAY BE USED



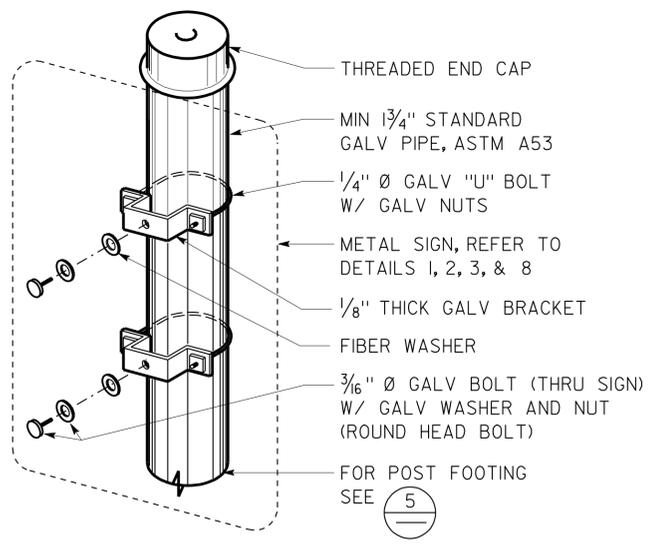
**2 ACCESSIBLE VAN PARKING SIGN**  
 REFER TO SITE PLAN FOR LOCATIONS  
 VAN ACCESSIBLE COMBO SIGN AND SEPARATE FINE PLAQUE MAY BE USED



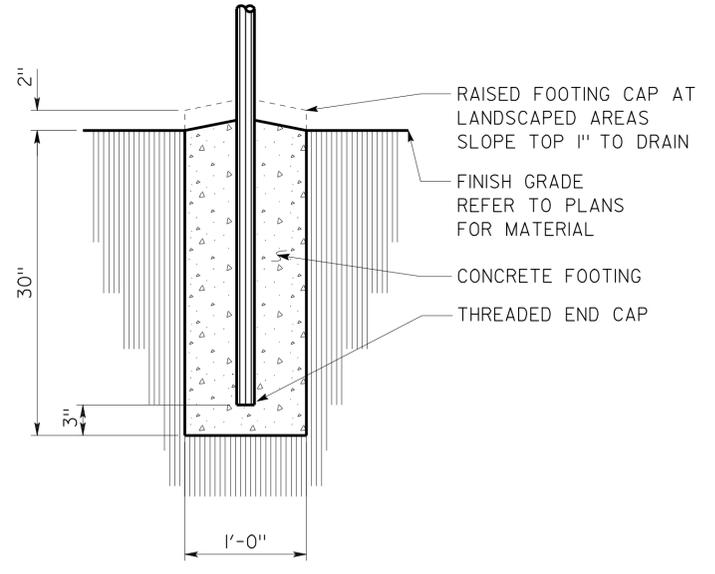
**3 UNAUTHORIZED VEHICLES PARKING SIGN**  
 REFER TO SITE PLAN FOR LOCATIONS  
 COLORS MAY VARY



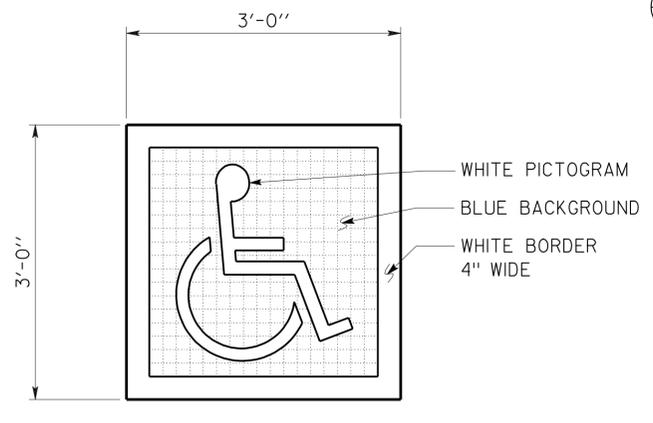
**7 ACCESS AISLE PAVEMENT MARKING**



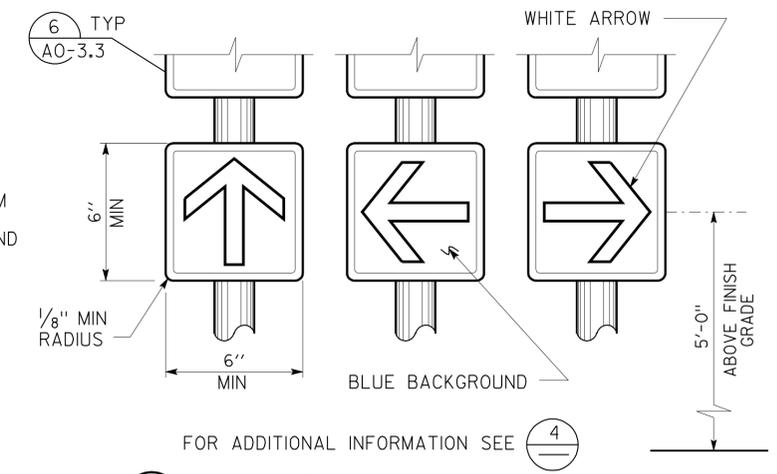
**4 SIGN CONNECTION**



**5 SIGN POST FOOTING**



**6 ACCESSIBLE PARKING SURFACE IDENTIFICATION**  
 REFER TO DETAILS 1 AND 2 ON SHEET A0-3.1 FOR LOCATIONS



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

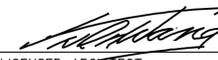
**DETAILS**  
 NO SCALE UNLESS OTHERWISE NOTED

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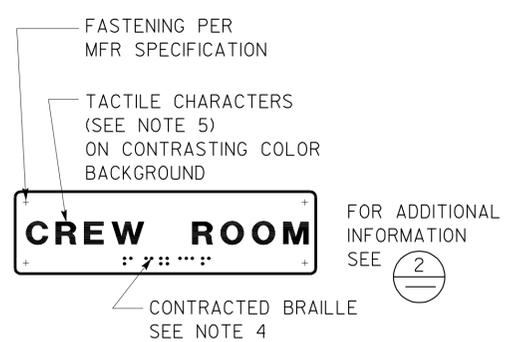
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DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR R.E. Travin	DEPARTMENT OF TRANSPORTATION		CU 03140		POST MILE X		ACCESSIBILITY STANDARD DETAILS		OF	
SUBMITTED BY Y.A. WANG				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 0300001120		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
a0_03b_1.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 13:06												10-MAR-2011 13:06	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		10	84

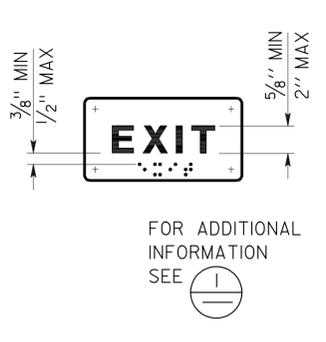
  

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3-7-11 PLANS APPROVAL DATE			

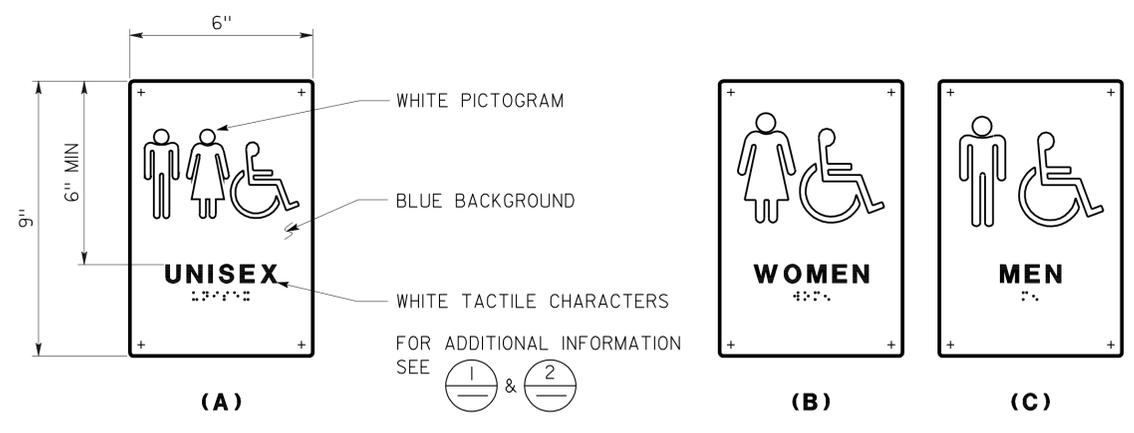
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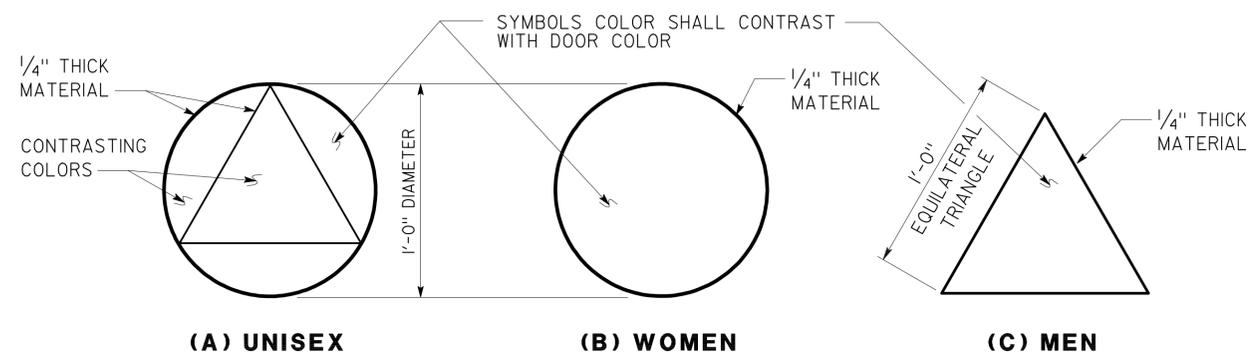
**1 ROOM IDENTIFICATION SIGN**  
 INSTALL PER DETAIL 5  
 TEXT VARIES  
 SEE PLANS, EXT ELEVATIONS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT  
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



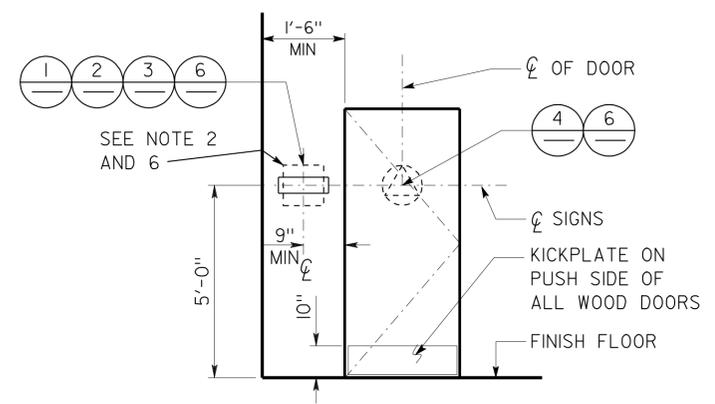
**2 INTERIOR EXIT SIGN**  
 INSTALL PER DETAIL 5  
 TEXT MAY VARY  
 SEE PLANS, OR DOOR SCHEDULE FOR LOCATIONS AND TEXT  
 SEE DETAIL 7 FOR TEXT MOUNTING HEIGHT



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

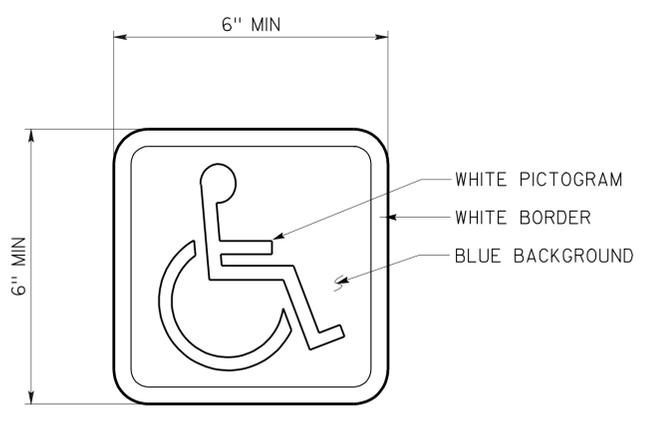


**4 RESTROOM IDENTIFICATION SYMBOLS**  
 INSTALL PER DETAIL 5  
 ANY PICTOGRAM AND TEXT ARE NOT REQUIRED

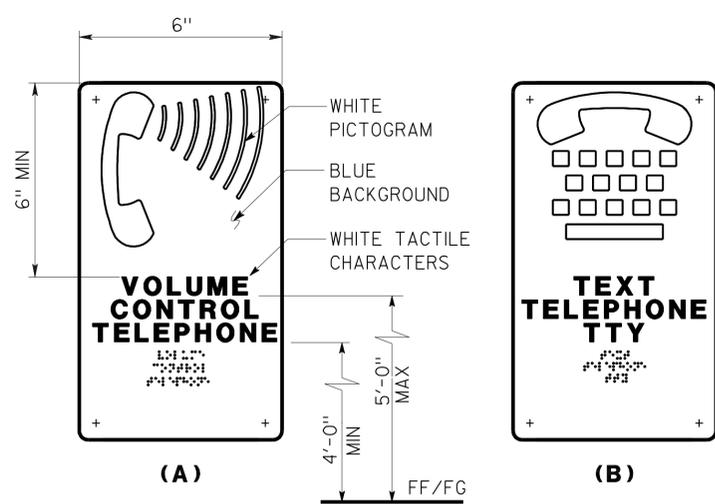


**5 SIGN LOCATIONS**  
 REFER TO SIGNAGE NOTES FOR ADDITIONAL INFORMATION

- 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.
  - 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" x 18" MIN CLEAR FLOOR SPACE IN FRONT OF AND CENTERED ON THE SIGN.



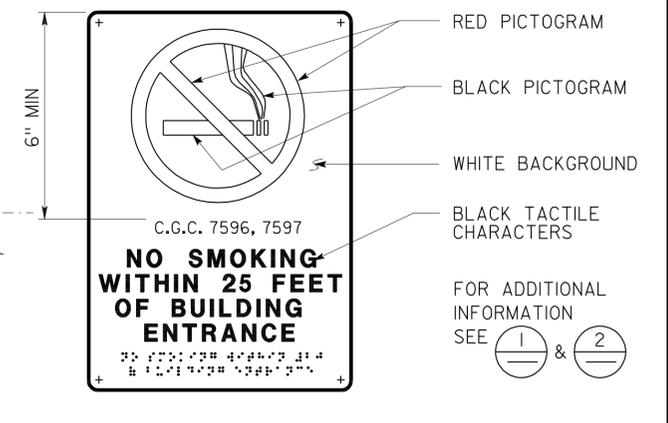
**6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN**  
 INSTALL PER DETAIL 5  
 SEE PLANS, EXT ELEVATIONS, OR SCHEDULE FOR SIGN LOCATIONS  
 SIGN MAY BE ON DOORS OR WALLS.  
 DECAL MAY BE USED ON SMOOTH SURFACE



**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

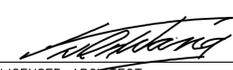
**DETAILS**  
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FILE NO. 01-10	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED Y.A. WANG	ARCHITECTURAL AND STRUCTURAL DESIGN		X		X		ACCESSIBILITY		A0-3.3	
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SUBMITTED BY Y.A. WANG				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU 03140		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
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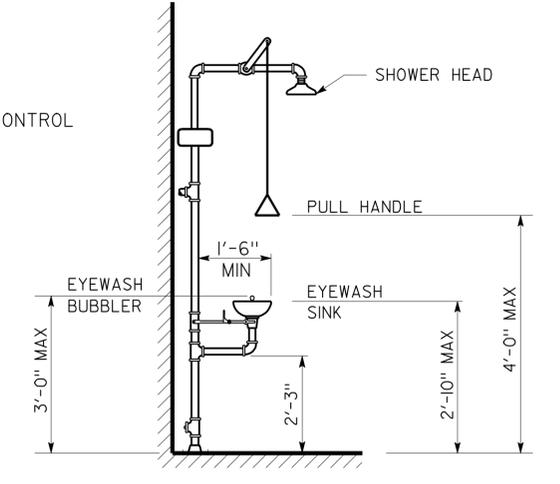
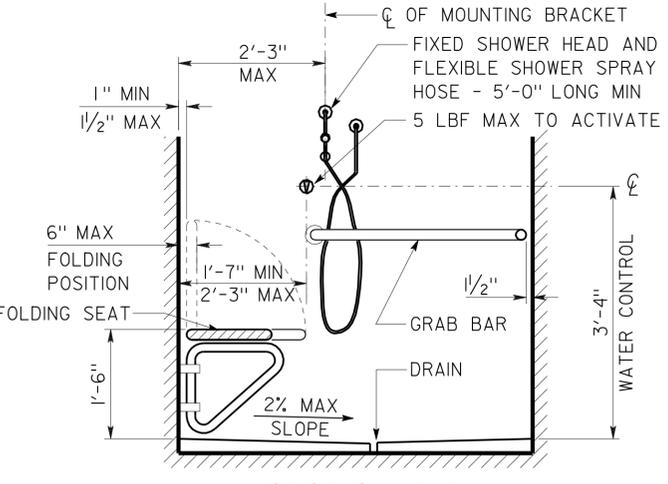
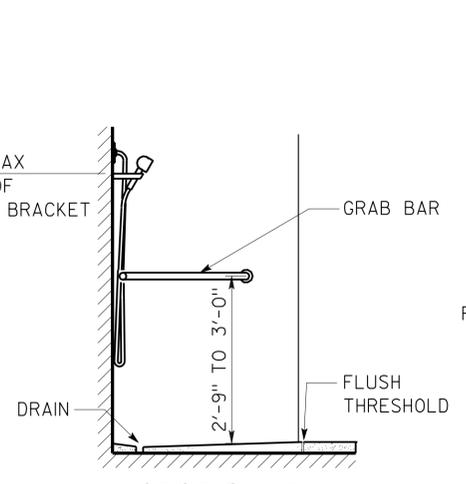
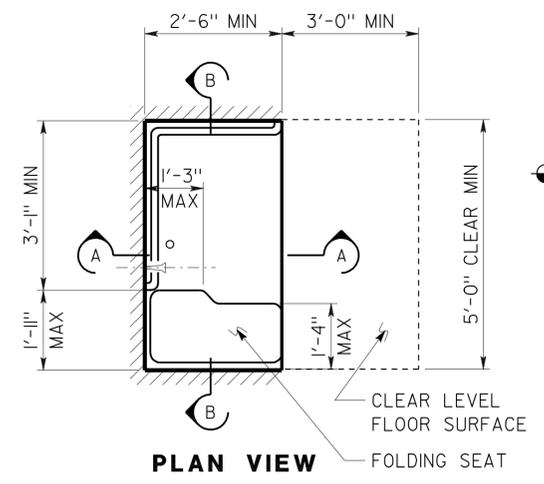
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		11	84

 LICENSED ARCHITECT		01-02-10 DATE
3-7-11 PLANS APPROVAL DATE		
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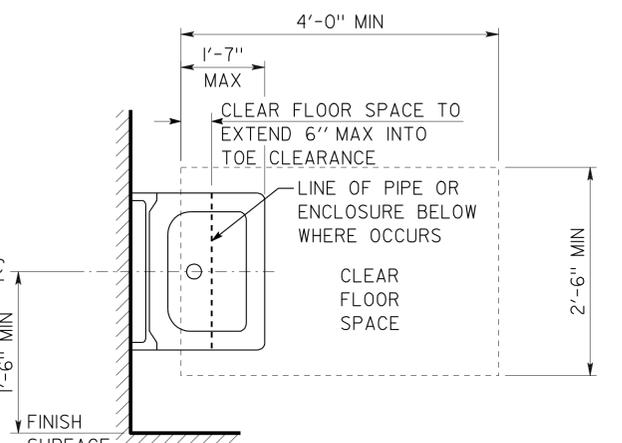
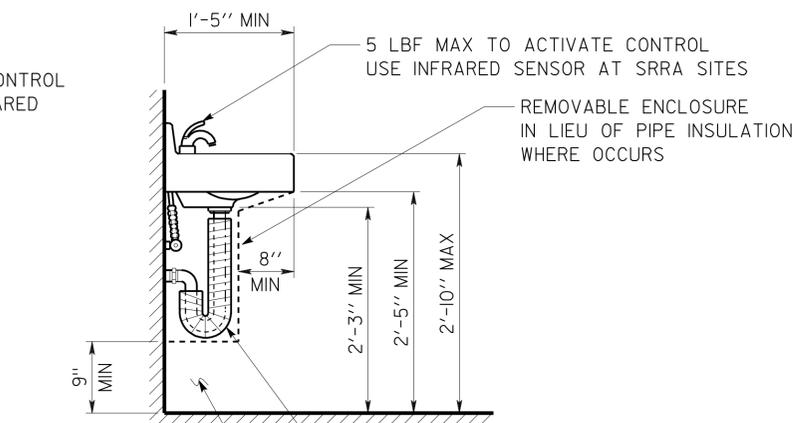
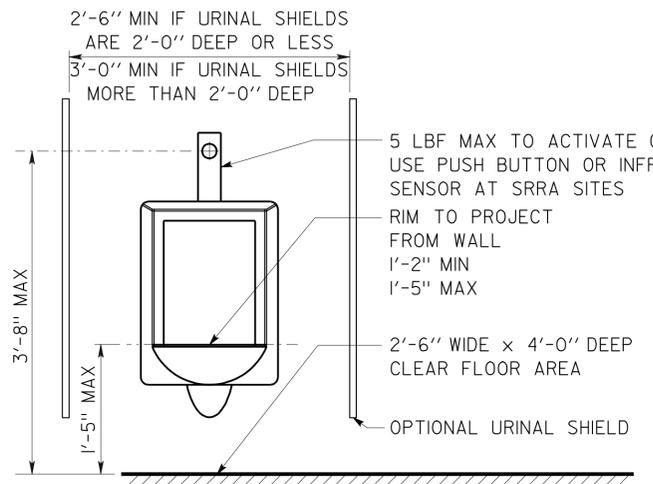
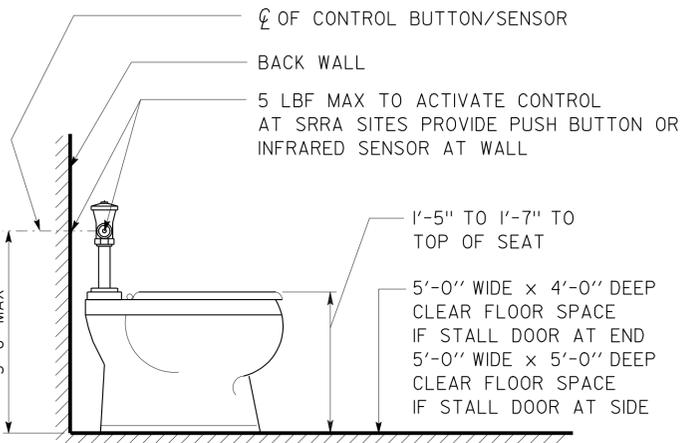


<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA <b>0300001120</b> DISTRICT - EA Reviewed by:  Date: 12-15-2010	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  Approval date: 11-18-2010
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**1 SHOWER STALL**  
OMIT AT SRRA SITES

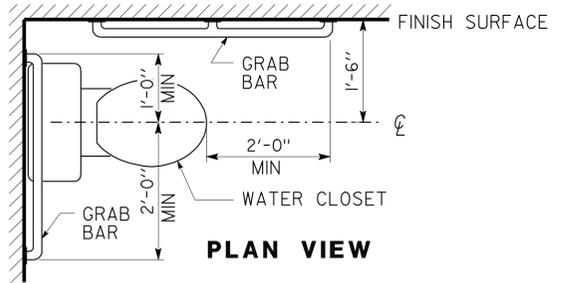
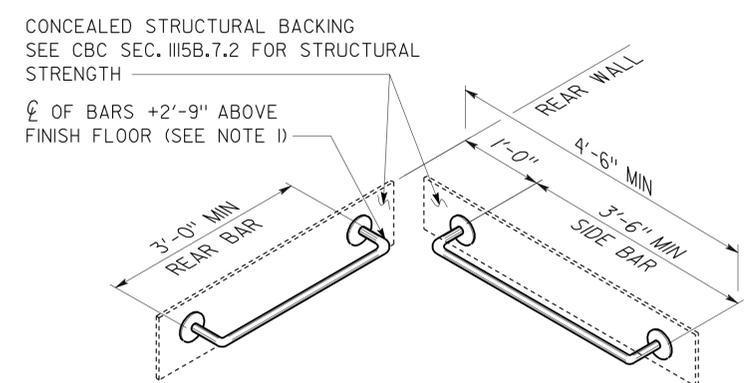
**2 EMERGENCY EYEWASH/SHOWER**  
NO SCALE



**3 WATER CLOSET**  
SEE SPEC FOR FIXTURE TYPE

**4 URINAL**

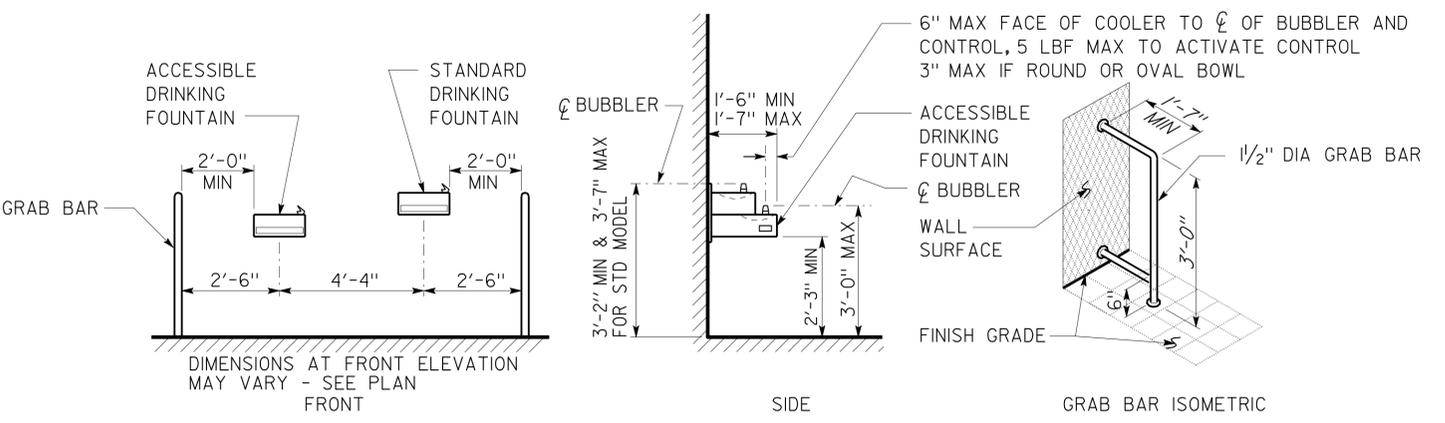
**5 LAVATORY**



**GRAB BAR NOTE:**

- 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 ABOVE.
- GRAB BARS TO BE 1 1/4" TO 1 1/2" DIAMETER WITH CLEAR SPACE OF 1 1/2" TO SMOOTH WALL SURFACE.

**6 GRAB BARS/ WATER CLOSET**

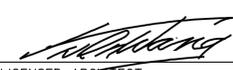


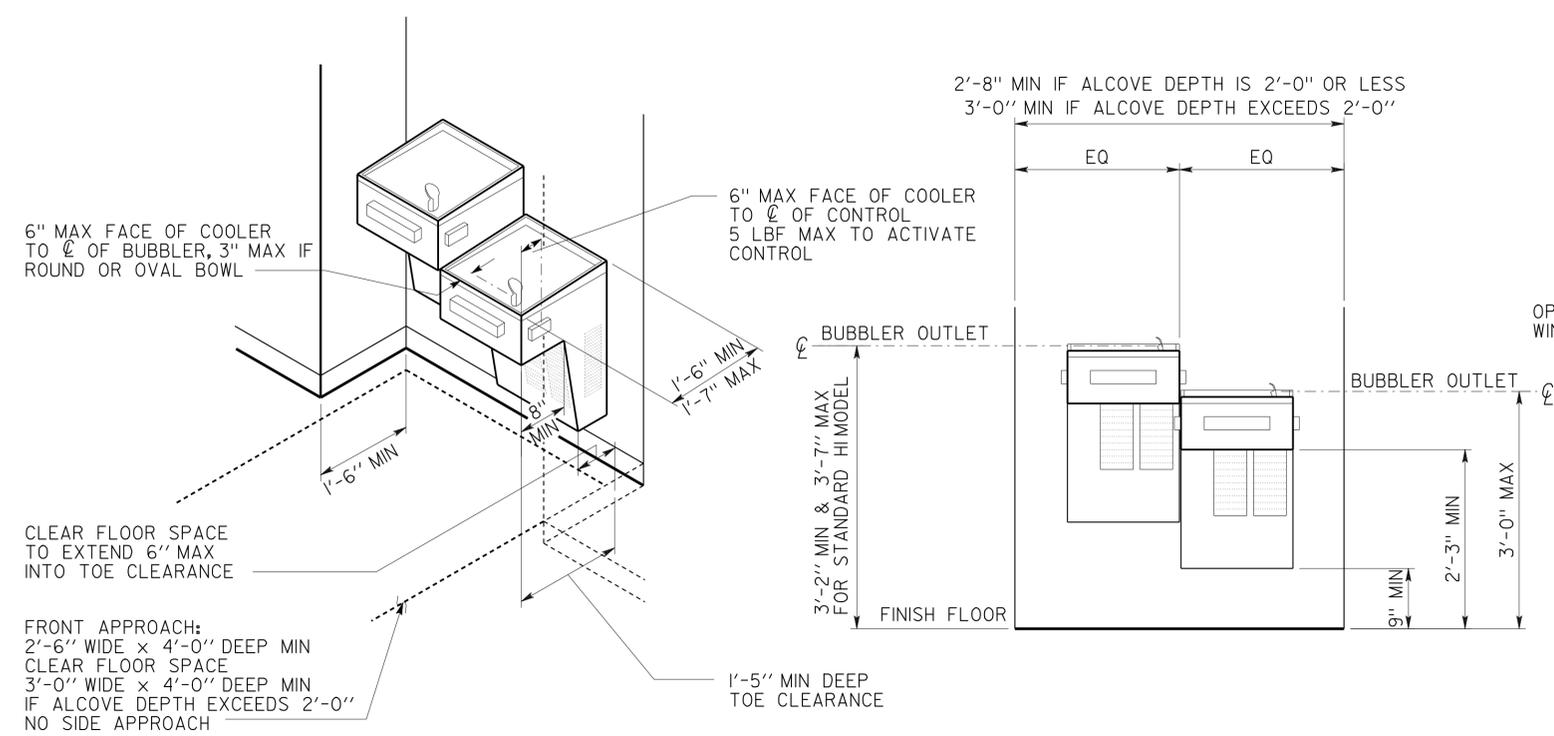
**7 ELECTRIC WATER COOLER**  
FOR PROJECTS WITH APPROVED UNREASONABLE HARDSHIPS ONLY  
FIXTURE TYPE MAY VARY

**DETAILS**  
NO SCALE UNLESS OTHERWISE NOTED

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

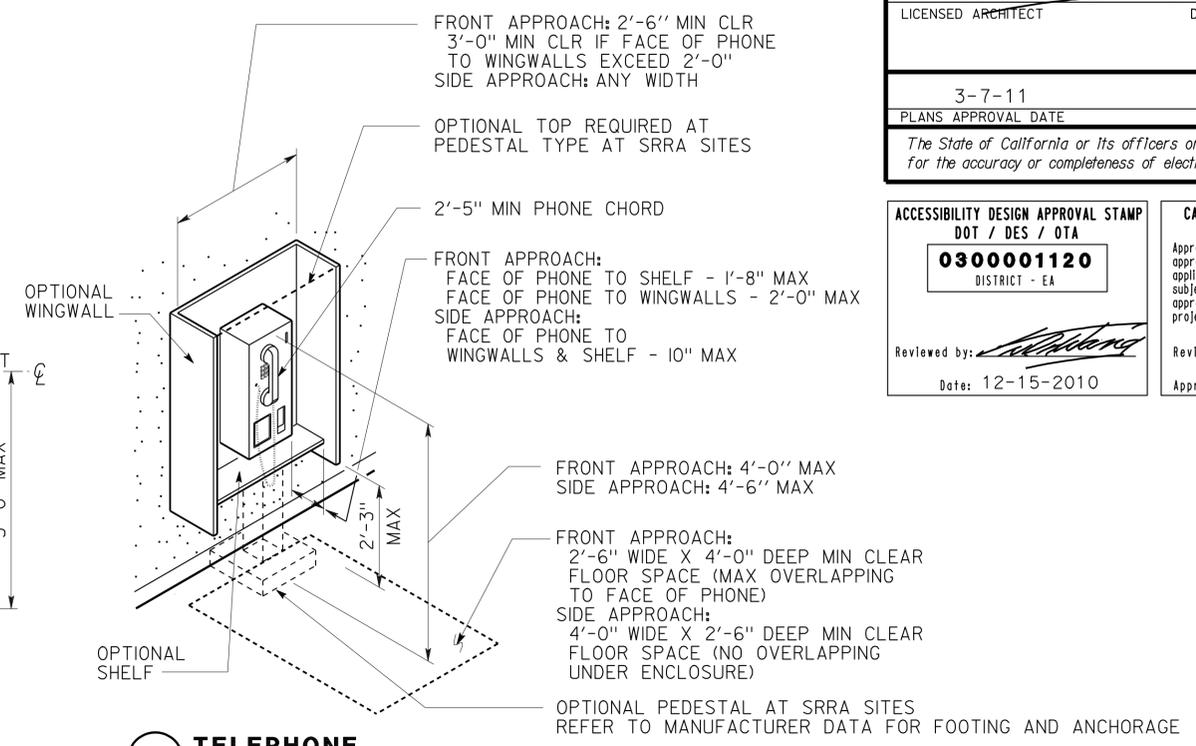
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DRAWING DATE	DETAILS	BY D. GOOD	CHECKED Y.A. WANG	AND		STRUCTURAL DESIGN		X					
01-10	SUBMITTED BY	Y.A. WANG		DEPARTMENT OF TRANSPORTATION									
APPROVED  DESIGN SUPERVISOR				CU 03140		03140		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
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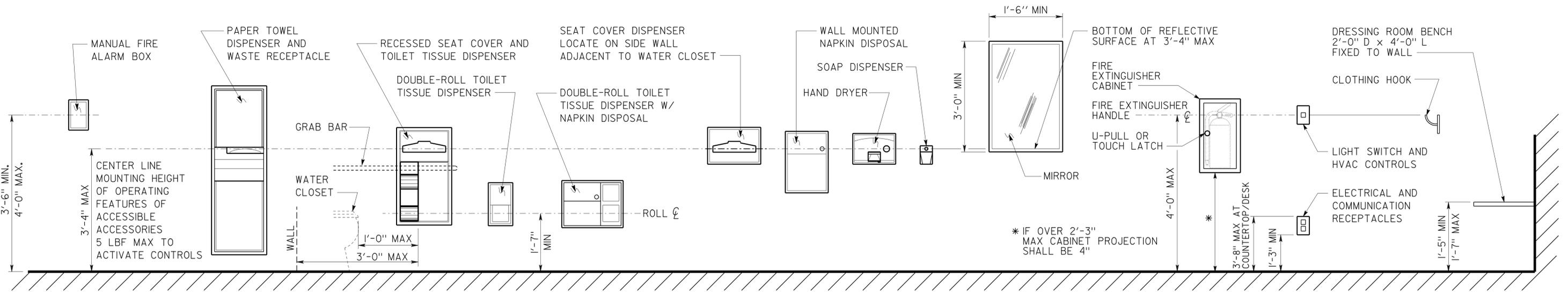


**1 ELECTRIC WATER COOLER AT ALCOVE**

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



**2 TELEPHONE**

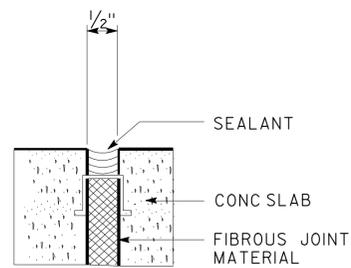


**3 ACCESSORIES**

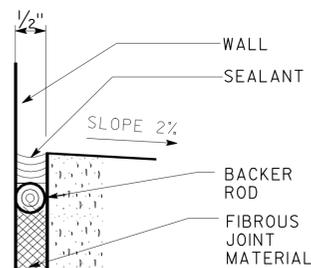
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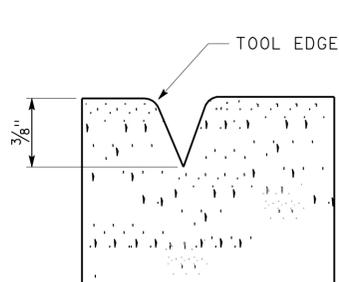
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DRAWING DATE 01-10	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		AND STRUCTURAL DESIGN		X	POST MILE				
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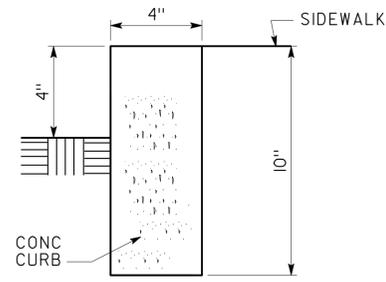
**1 EXPANSION JOINT**  
SCALE: NTS



**2 EXPANSION JOINT AT WALL**  
SCALE: NTS



**3 SCORE JOINT**  
SCALE: NTS



**4 CONC CURB DETAIL**  
SCALE: NTS

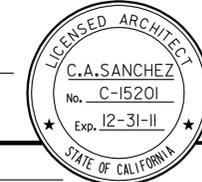
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DOT / DES / DTA  
**030001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

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]*  
Approval date: 11-18-2010

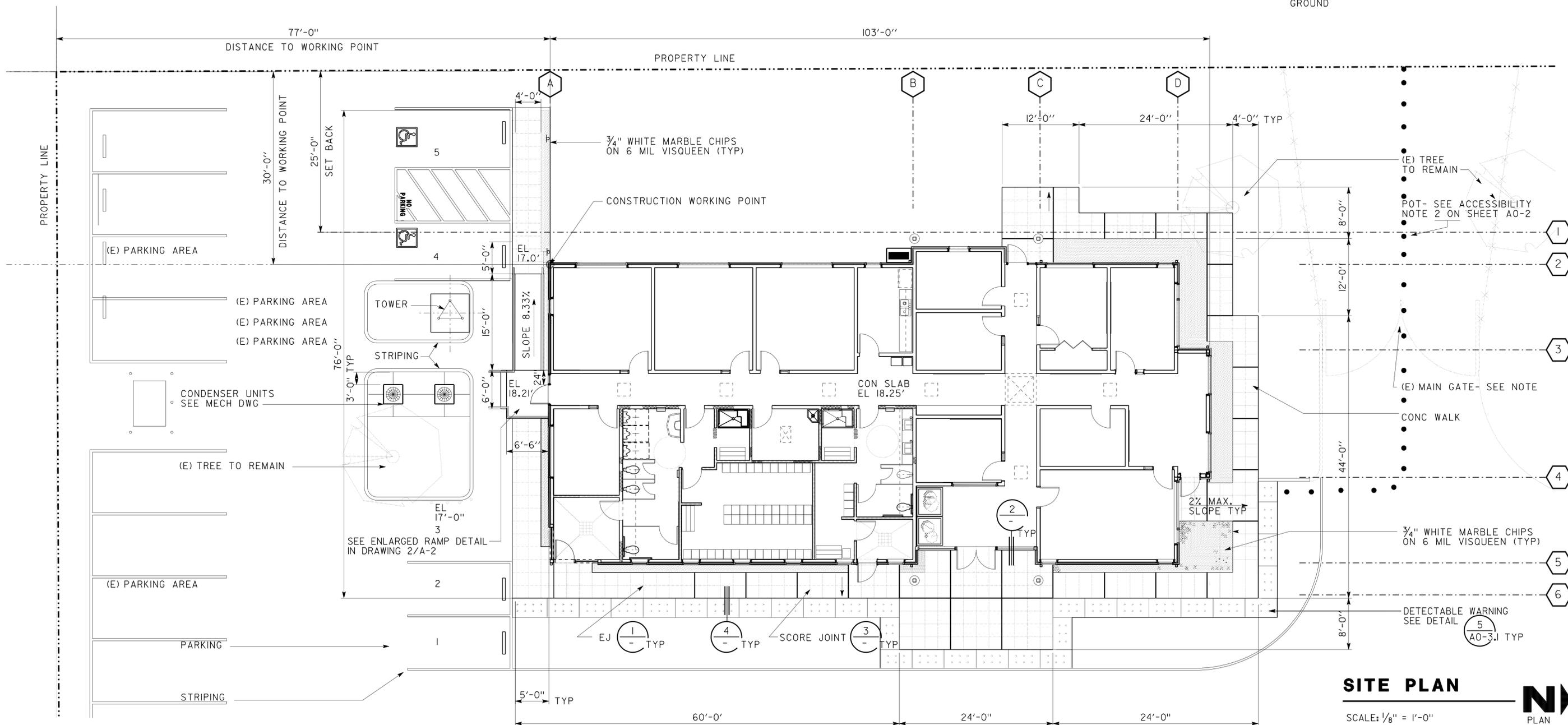
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3-7-11  
PLANS APPROVAL DATE

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NOTE:  
IN THE ABSENCE OF MAX. 4'-0" WIDE MANGATE, THE (E) MAIN GATE SHALL EITHER REMAIN OPEN DURING BUSINESS HOURS, OR BE EQUIPPED WITH ACCESS CARD READER WITH OPERABLE PART AT MAX. 4' FROM GROUND



**SITE PLAN**

SCALE: 1/8" = 1'-0"



DESIGN	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	X
POST MILE	X

**NORTHGATE MS CREW QUARTERS**  
SITE PLAN

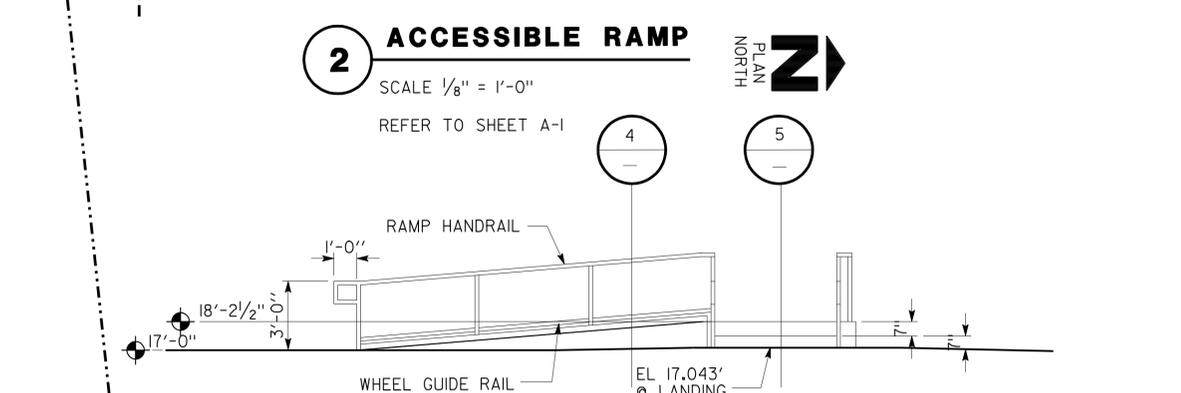
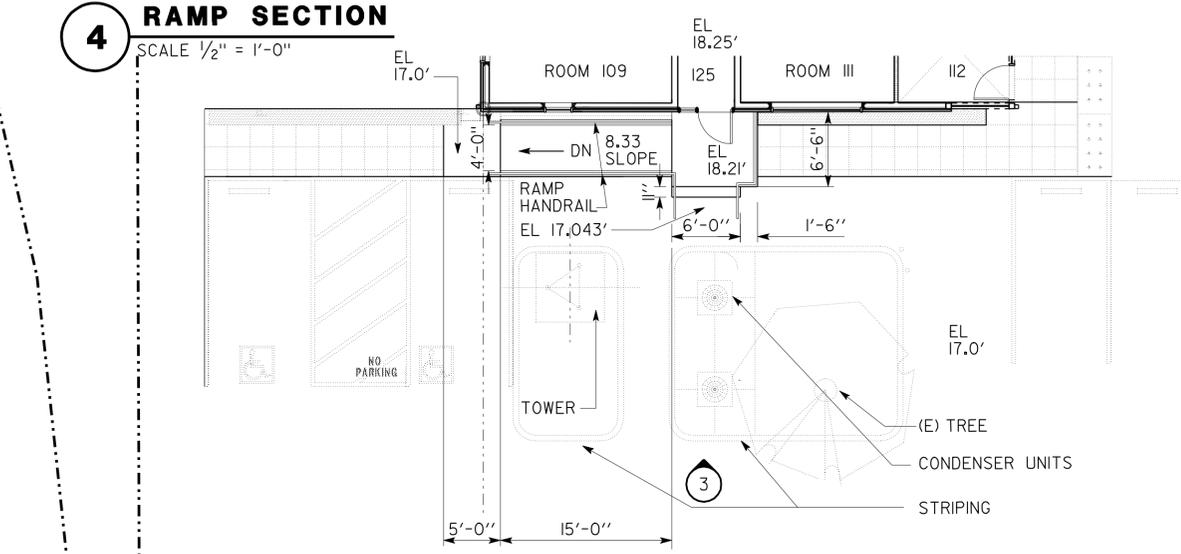
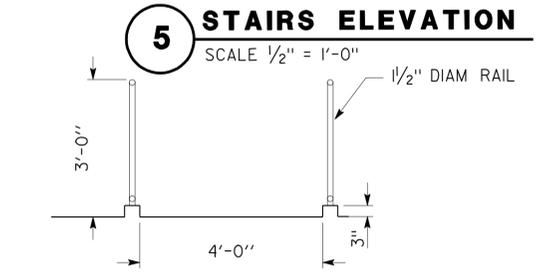
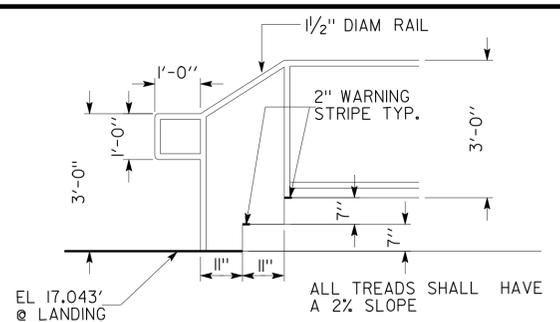
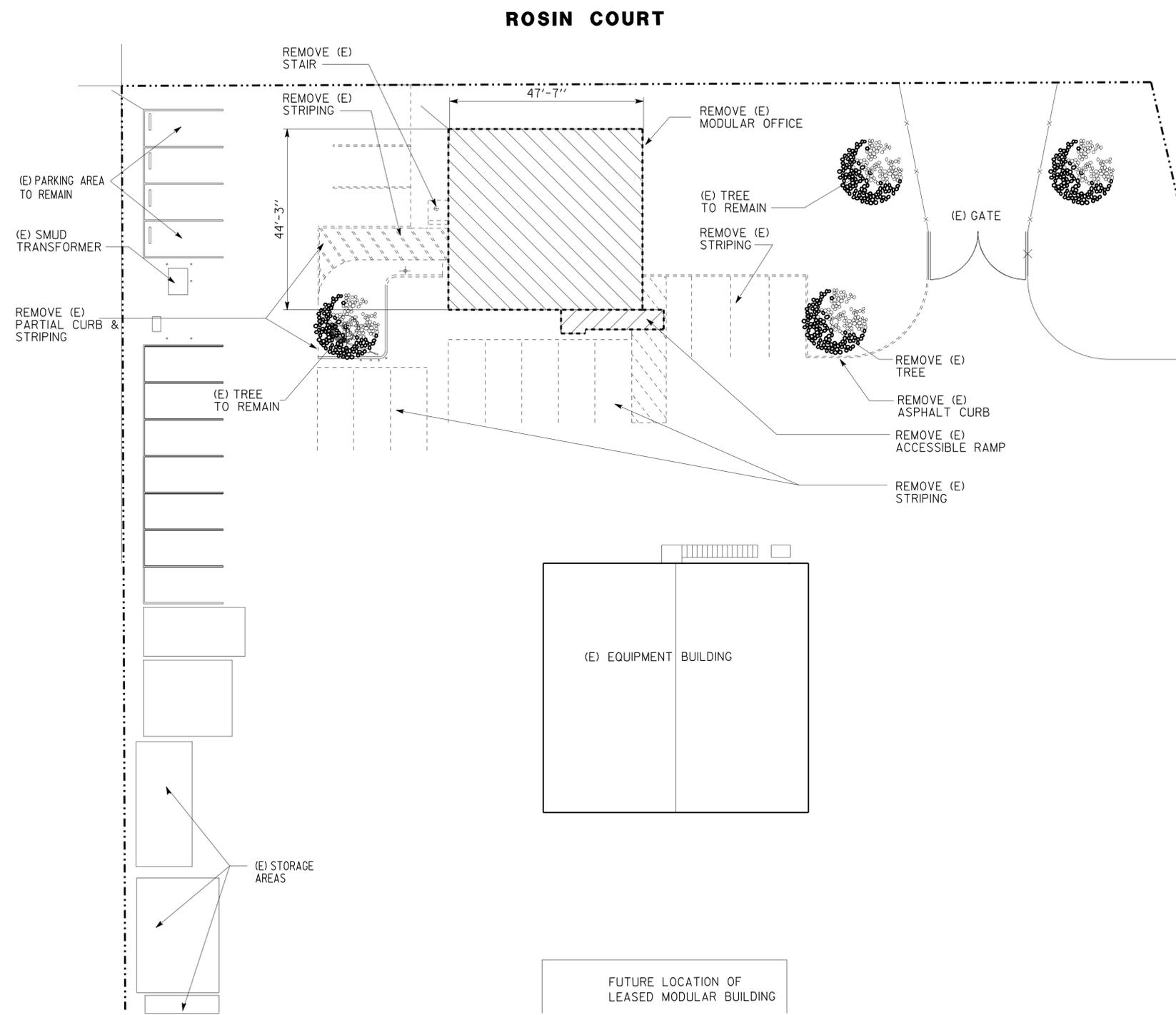
SHEET **A-1**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		14	84

 LICENSED ARCHITECT		DATE
3-7-11 PLANS APPROVAL DATE		 LICENSED ARCHITECT No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA

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- NOTES:**
1. WHEEL GUIDE RAIL CENTERED 3" ABOVE RAMP SURFACE @ EACH SIDE OF RAMP
  2. ALL RAIL PIPES SHALL BE GALVANIZED

DESIGN BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b> EXISTING & DEMOLITION PLAN & RAMP	SHEET OF A-2	
DETAILS BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>		CU 03140 EA 0300001120	POST MILE X		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X
QUANTITIES BY CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		- -07	

g2\_0ex8demop1.n.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 13:16

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		15	84

 LICENSED ARCHITECT		DATE
 C.A. SANCHEZ No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA		

3-7-11  
 PLANS APPROVAL DATE

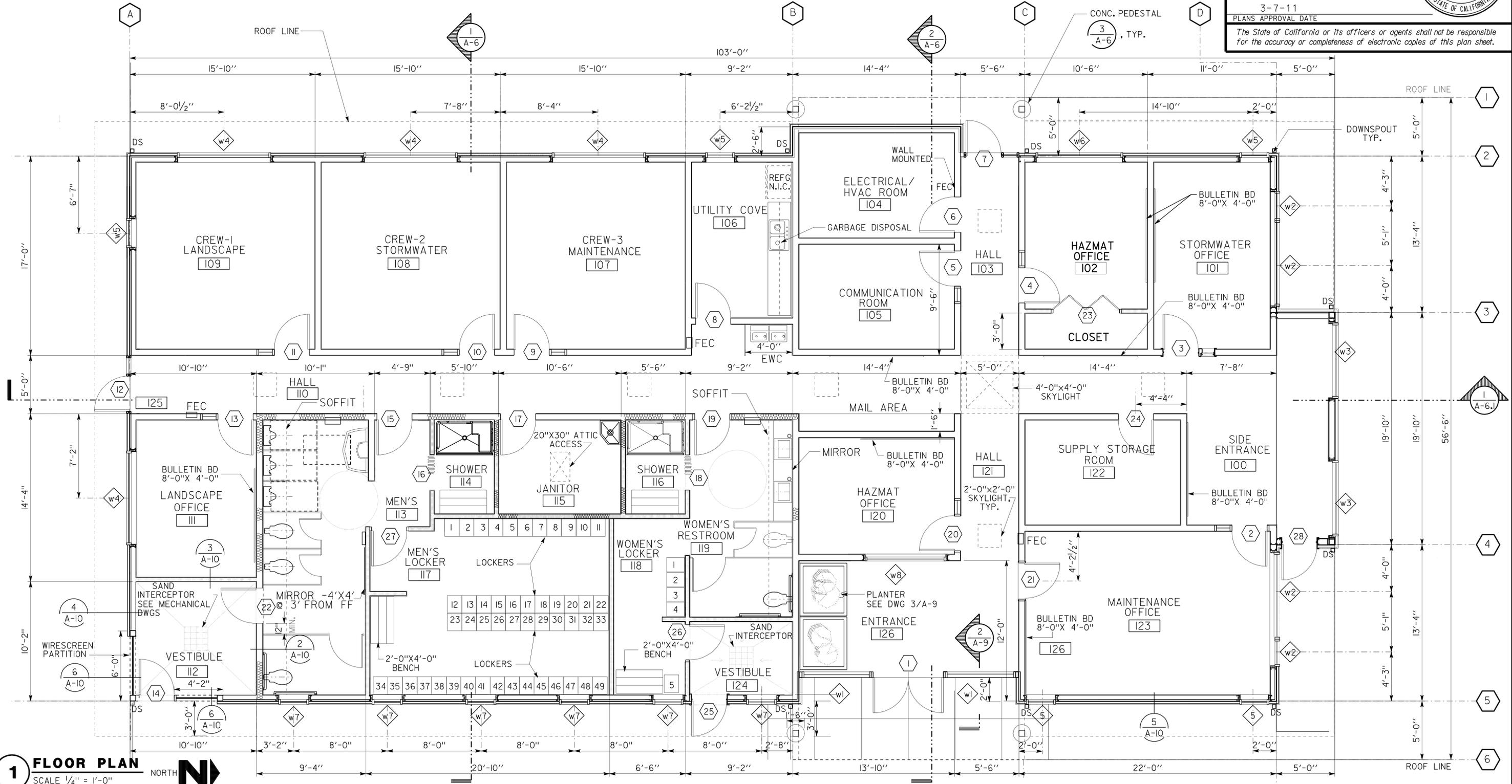
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**LEGEND:**

- 4" MET STUD @16" O.C.
- 6" MET STUD @16" O.C.
- FE SURFACE MOUNTED
- FIRE EXTINGUISHER

**ACCESSIBILITY DESIGN APPROVAL STAMP**  
 DOT / DES / OTA  
**030001120**  
 DISTRICT - EA  
 Reviewed by:   
 Date: 12-15-2010

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by:   
 Approval date: 11-18-2010



**1 FLOOR PLAN**  
 SCALE 1/4" = 1'-0"  
 NORTH 

DESIGN	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	X
POST MILE	X

**NORTHGATE MS CREW QUARTERS**  
 CREW QUARTERS  
**FLOOR PLAN**

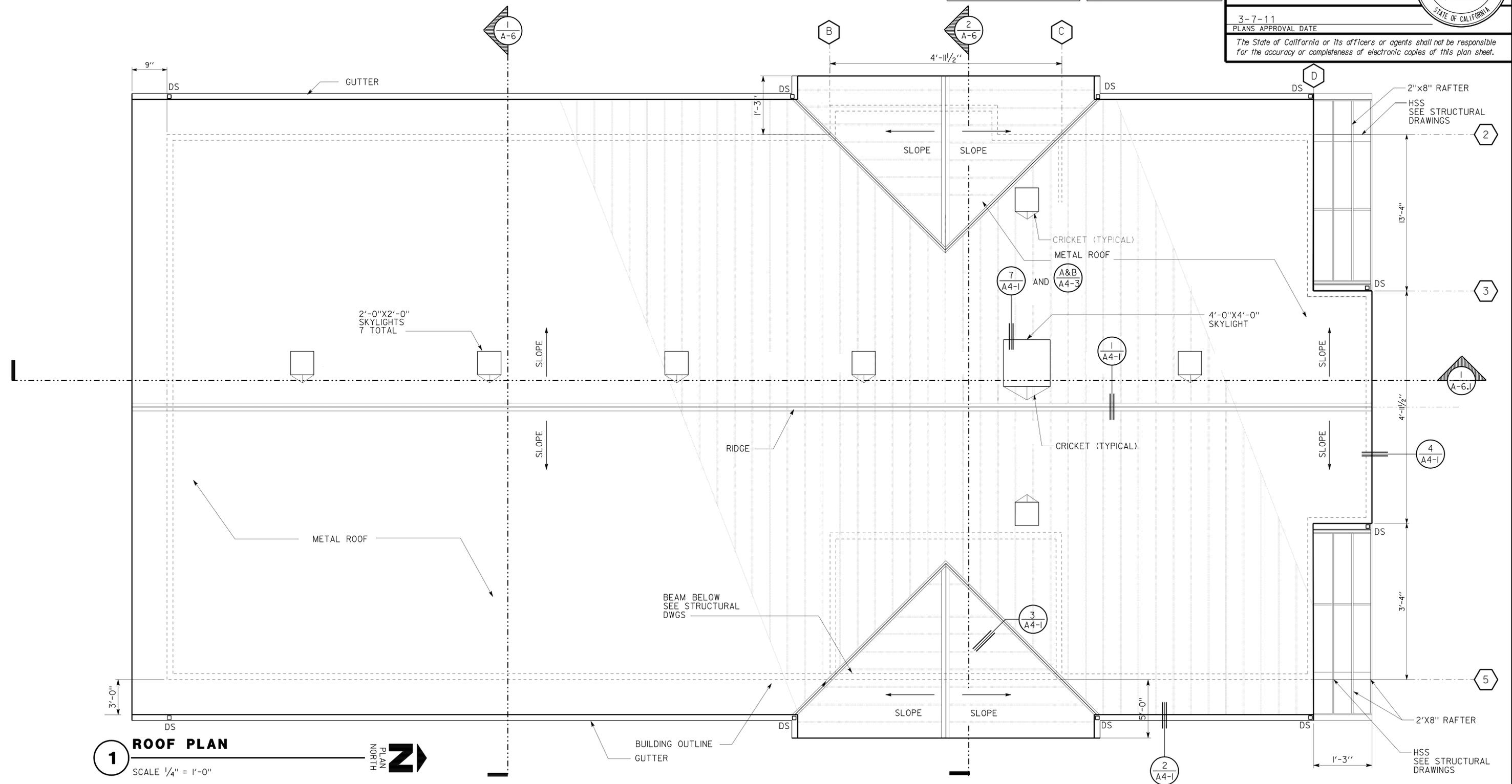
SHEET **A-3**

10-MAR-2011 13:16

**ACCESSIBILITY DESIGN APPROVAL STAMP**  
 DOT / DES / OTA  
**0300001120**  
 DISTRICT - EA  
 Reviewed by: *[Signature]*  
 Date: 12-15-2010

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 Reviewed by: *[Signature]*  
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		16	84
C.A. SANCHEZ LICENSED ARCHITECT No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA			DATE 3-7-11 PLANS APPROVAL DATE The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.		



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

DESIGN	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

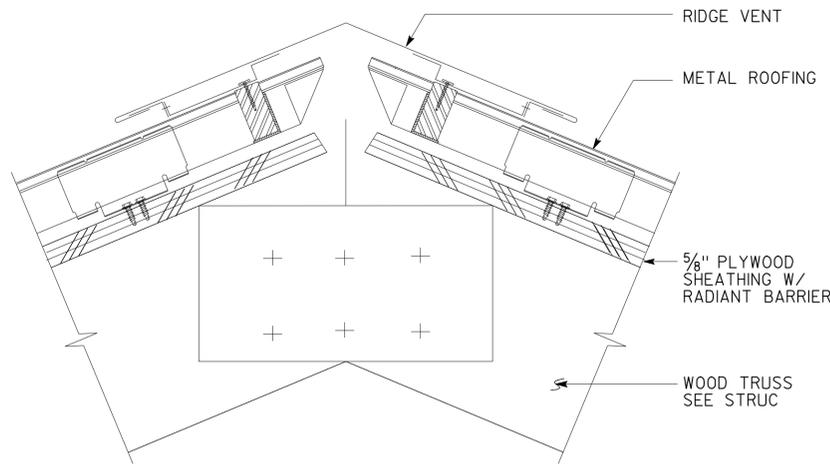
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

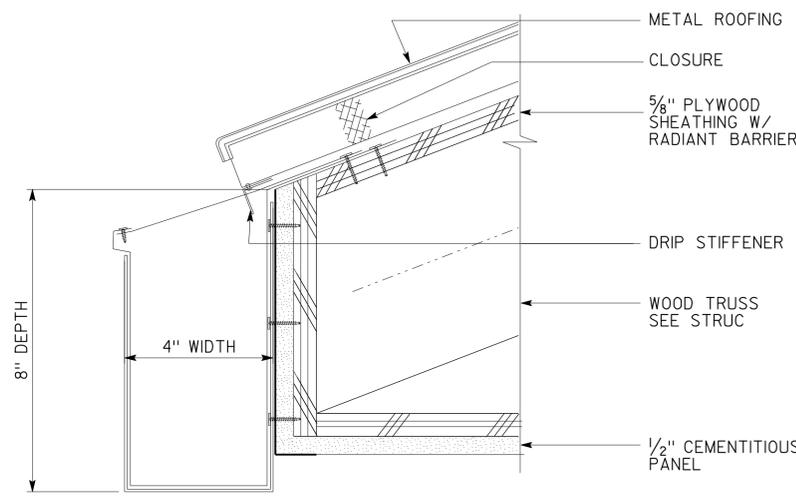
BRIDGE NO.	X
POST MILE	X

**NORTHGATE MS CREW QUARTERS**  
 ROOF PLAN

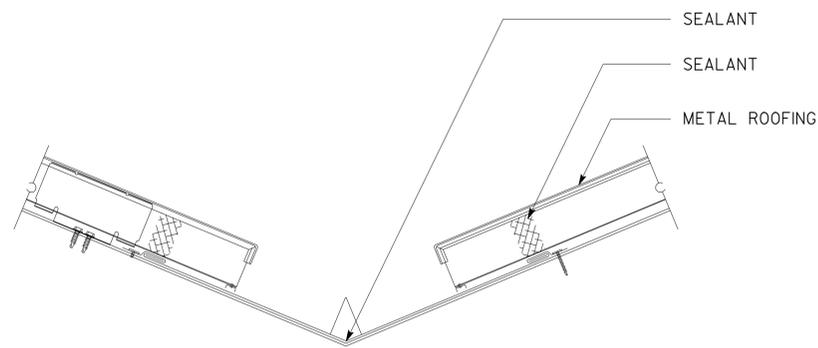
SHEET **A-4**



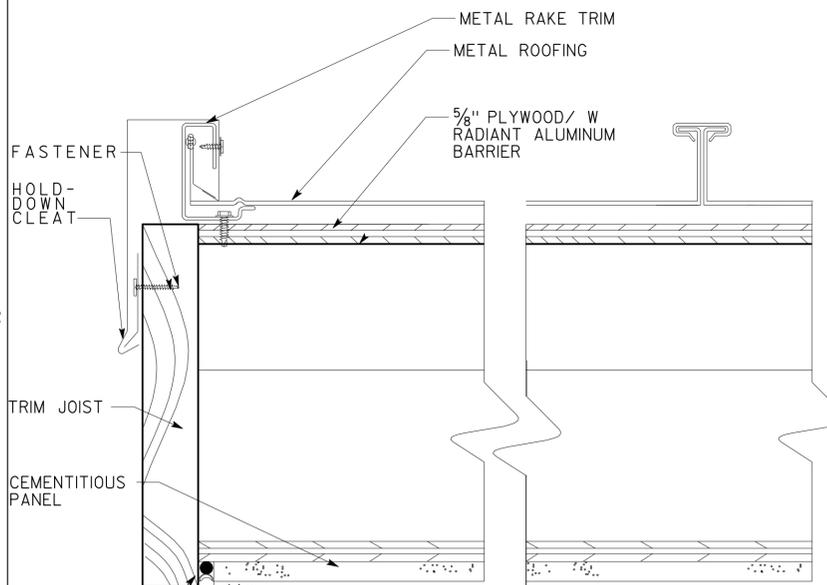
**1 VENTED ROOF RIDGE**  
NTS



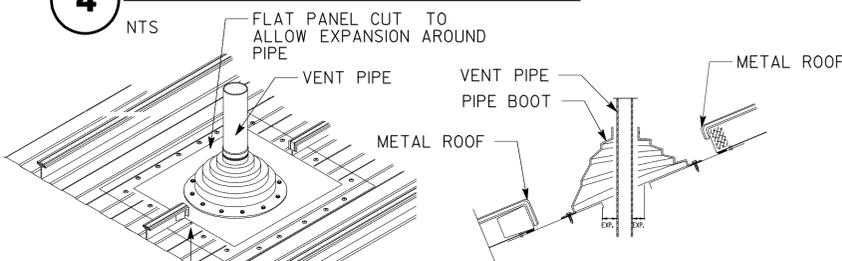
**2 GUTTER DETAIL**  
NTS



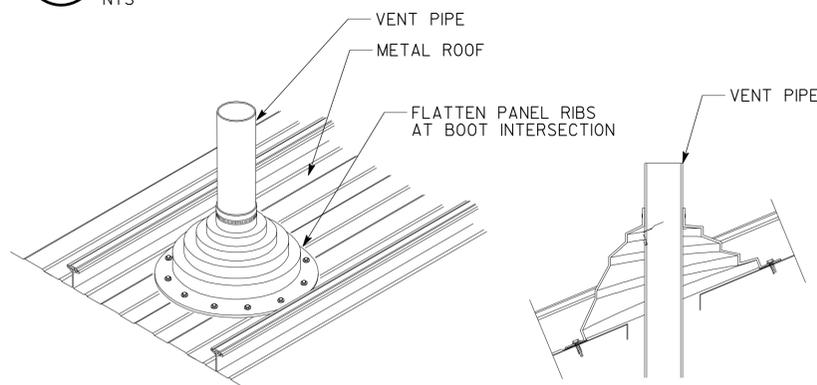
**3 VALLEY DETAIL**  
NTS



**4 ROOF END DETAIL**  
NTS



**5 PIPE BOOT DETAIL-1**  
NTS



**6 PIPE BOOT DETAIL-2**  
NTS

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

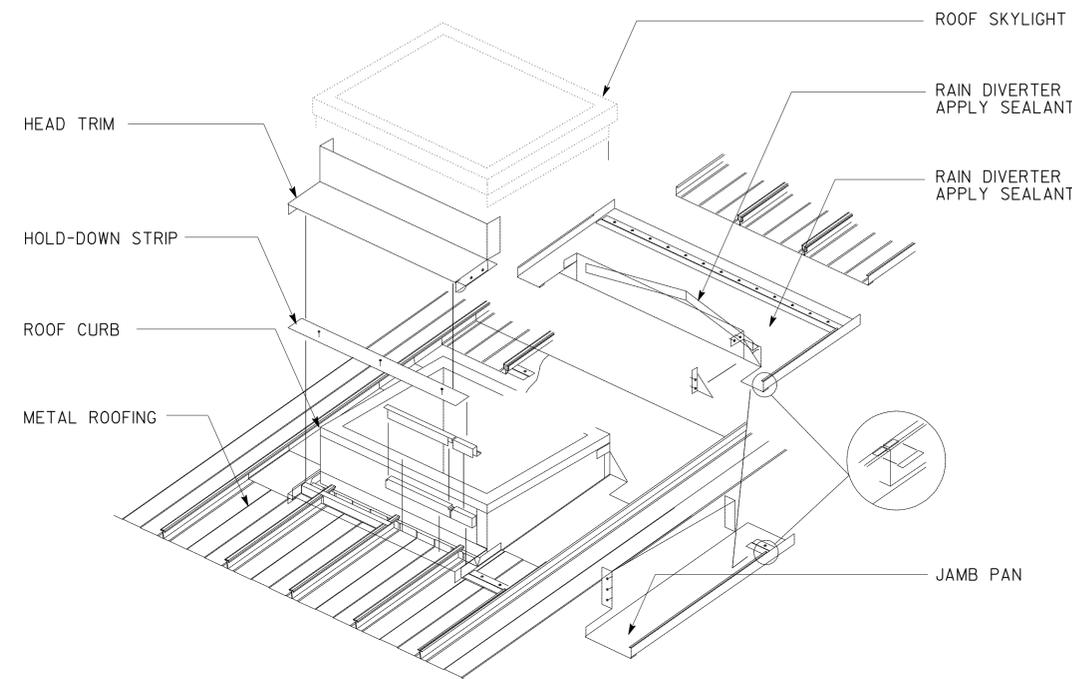
CALIFORNIA STATE FIRE MARSHAL  
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03	Sac	5736		17	84

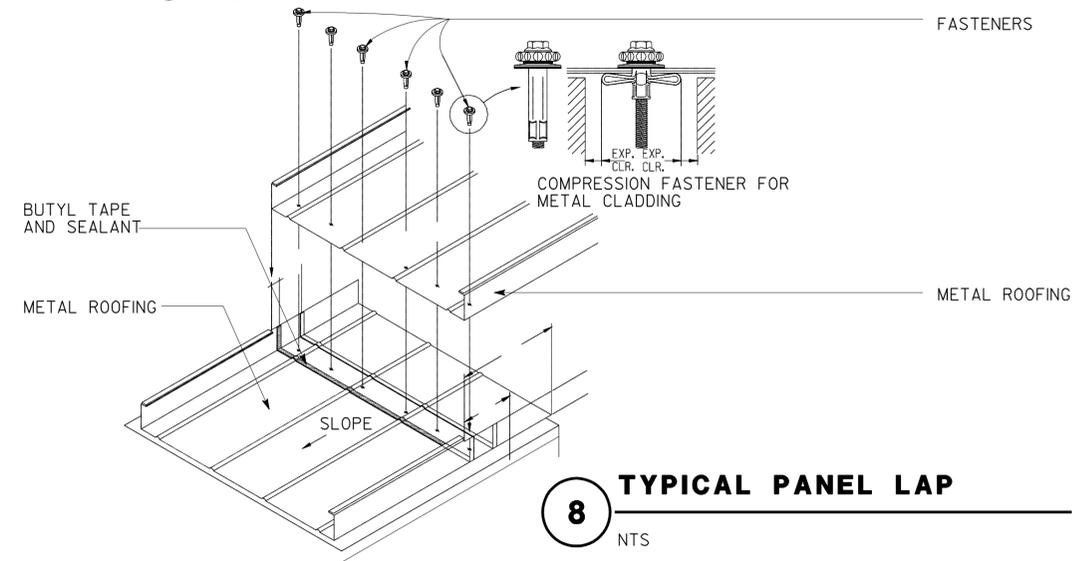
LICENSED ARCHITECT DATE

**3-7-11**  
PLANS APPROVAL DATE

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**7 TYPICAL ROOF CURB**  
NTS



**8 TYPICAL PANEL LAP**  
NTS

a4_roofdetails.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:47	DESIGN BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS		SHEET OF
	DETAILS BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>		CU 03140 EA 0300001120	POST MILE X	X	ROOF DETAILS	A-4.1
	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)		SHEET OF	
						X	X

10-MAR-2011 10:47

LEGEND

ARCHITECTURAL

-  CEILING MATERIAL: 5/8" GYPBD TYPE X CEILING HEIGHT: 7'-0"
-  CEILING MATERIAL: DROP IN CEILING HEIGHT: 9'-0"
-  CEILING MATERIAL: 5/8" GYP BD TYPE X CEILING HEIGHT: 11'-0"
-  SKYLIGHT WELL 2'-0"x2'-0" 7 UNITS 4'-0"x4'-0" 1 UNIT

ELECTRICAL

-  RECESSED MOUNTED LIGHT FIXTURE 1'-0"x4'-0"
-  SURFACE MOUNTED LIGHT FIXTURE 2'-0"x4'-0"
-  WALL LIGHT OUTSIDE
-  20"x30" ATTIC ACCESS

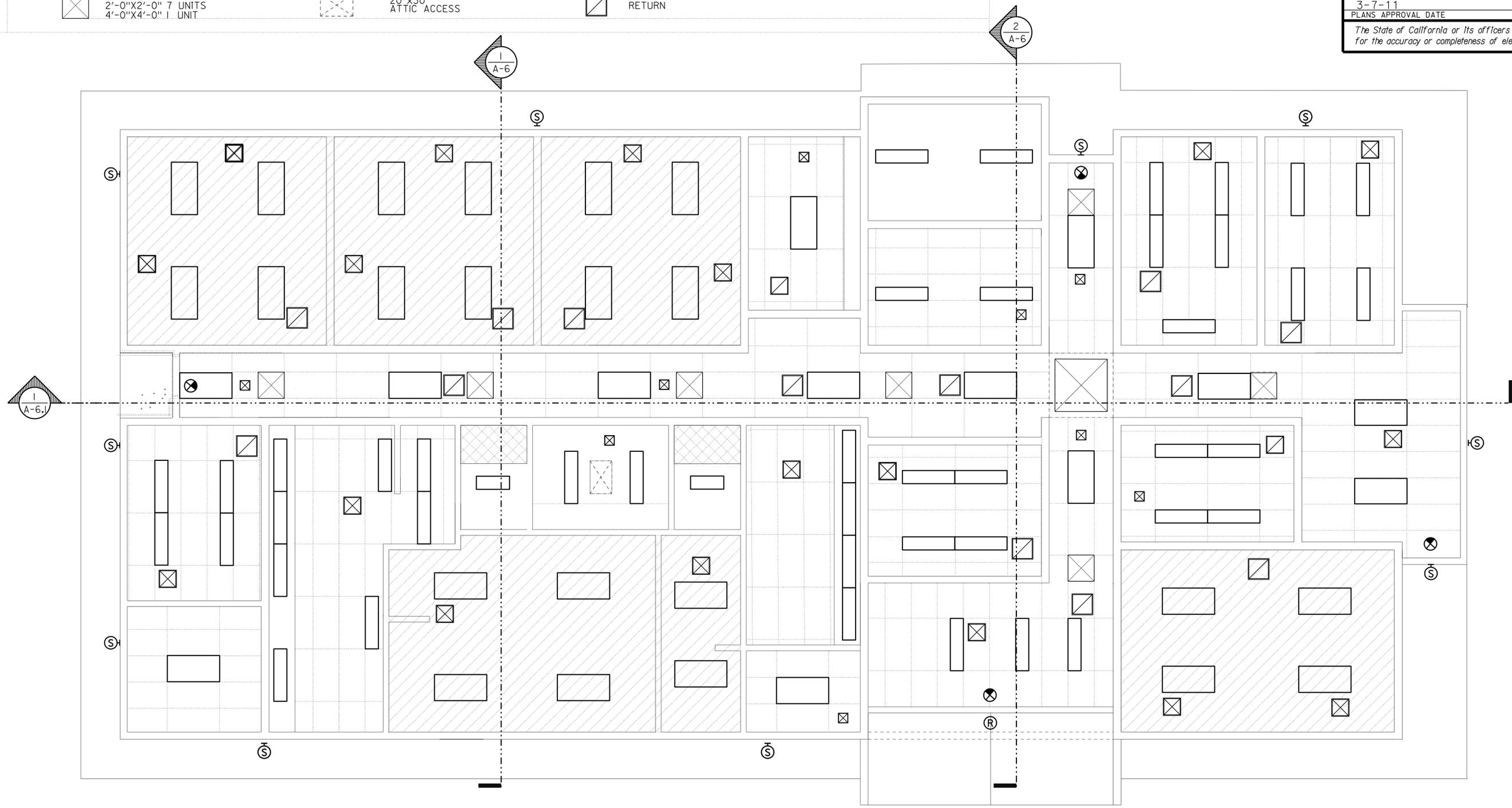
HVAC

-  SUPPLY
-  SUPPLY
-  RETURN
-  RETURN

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by:   
Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
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Approval date: 11-18-2010

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03	Sac	5736		18	84
 LICENSED ARCHITECT			DATE		
3-7-11 PLANS APPROVAL DATE					
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**1 REFLECTED CEILING PLAN** NORTH   
SCALE 1/4" = 1'-0"

DESIGN	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

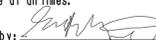
BRIDGE NO.	X
POST MILE	X

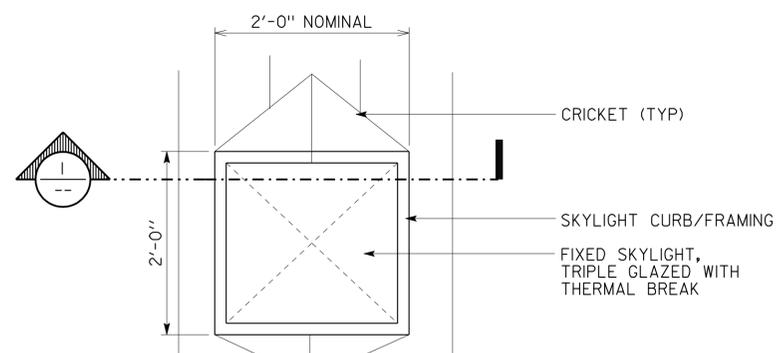
**NORTHGATE MS CREW QUARTERS**  
REFLECTED CEILING PLAN

SHEET **A-4.2**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		19	84
 LICENSED ARCHITECT			DATE _____ PLANS APPROVAL DATE 3-7-11		
 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:  DATE: 11-18-2010					
<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>					

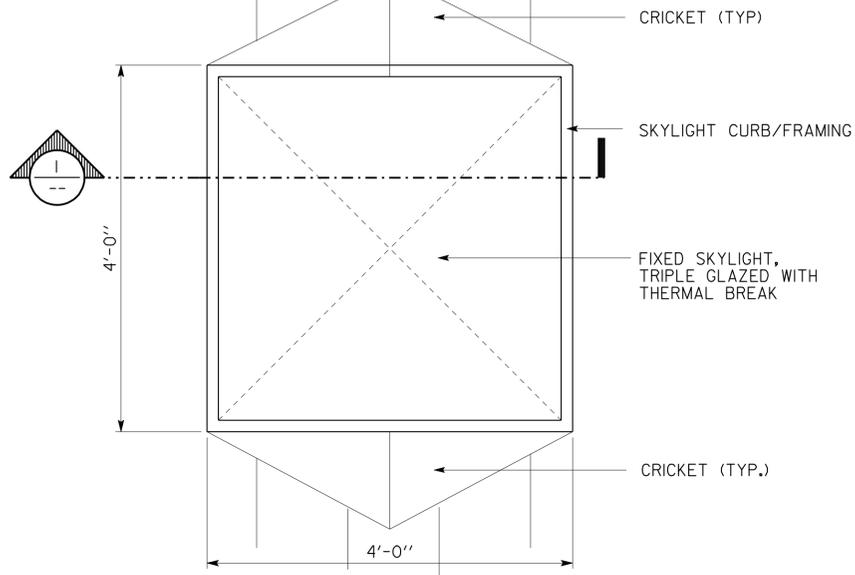
**ACCESSIBILITY DESIGN APPROVAL STAMP**  
 DOT / DES / OTA  
**0300001120**  
 DISTRICT - EA  
 Reviewed by:   
 Date: 12-15-2010

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Approval date: 11-18-2010



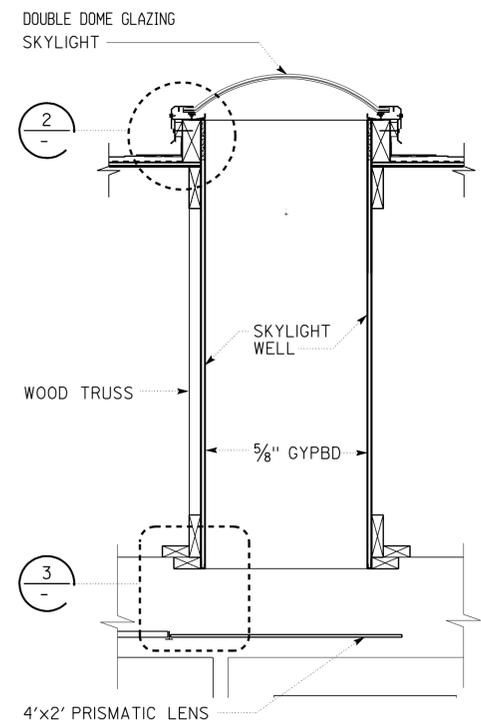
**A PLAN-SKYLIGHT (2'X2')**

SCALE 1" = 1'-0"



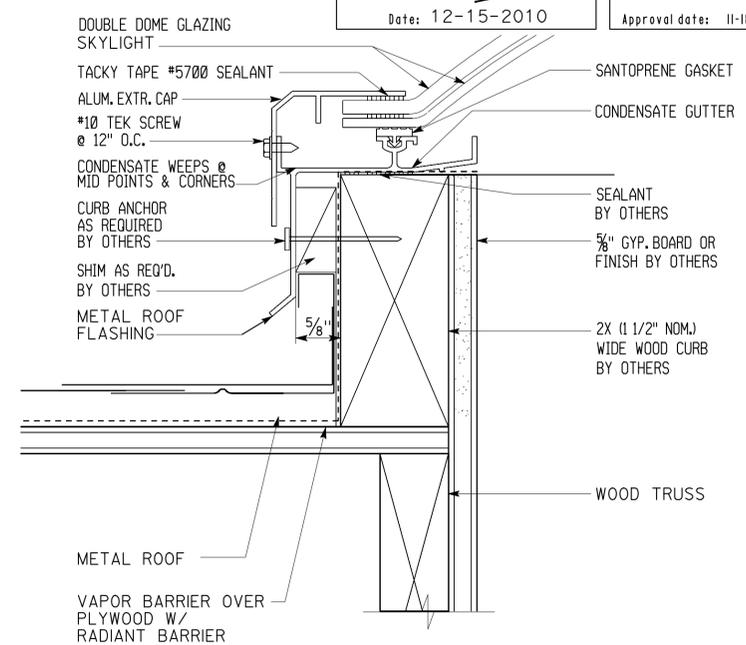
**B PLAN-SKYLIGHT (4'-4')**

SCALE 1" = 1'-0"



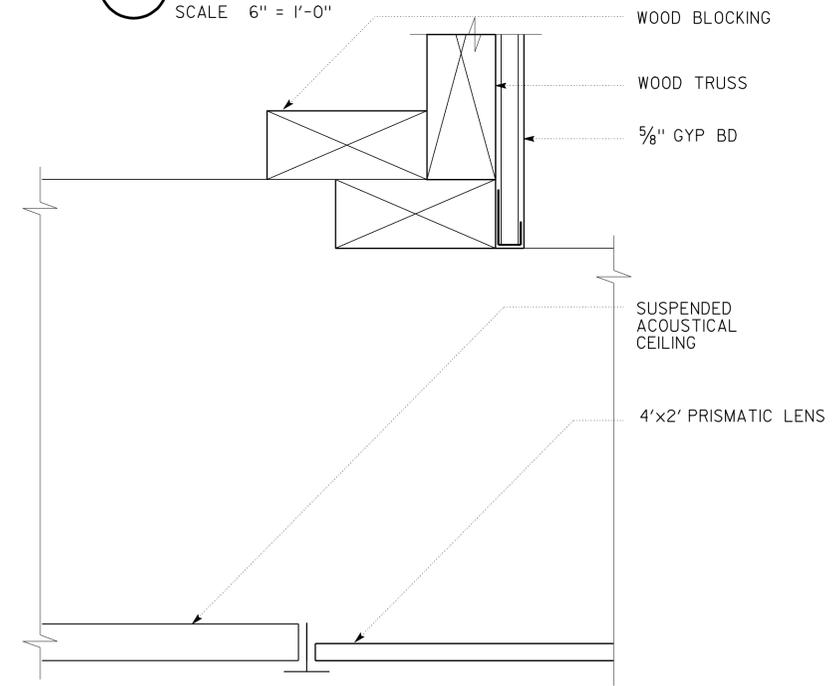
**1 SKYLIGHTS 4'X4' AND 2'X2' (TYPICAL SECTION)**

SCALE 1" = 1'-0"



**2 SKYLIGHT CURB**

SCALE 6" = 1'-0"

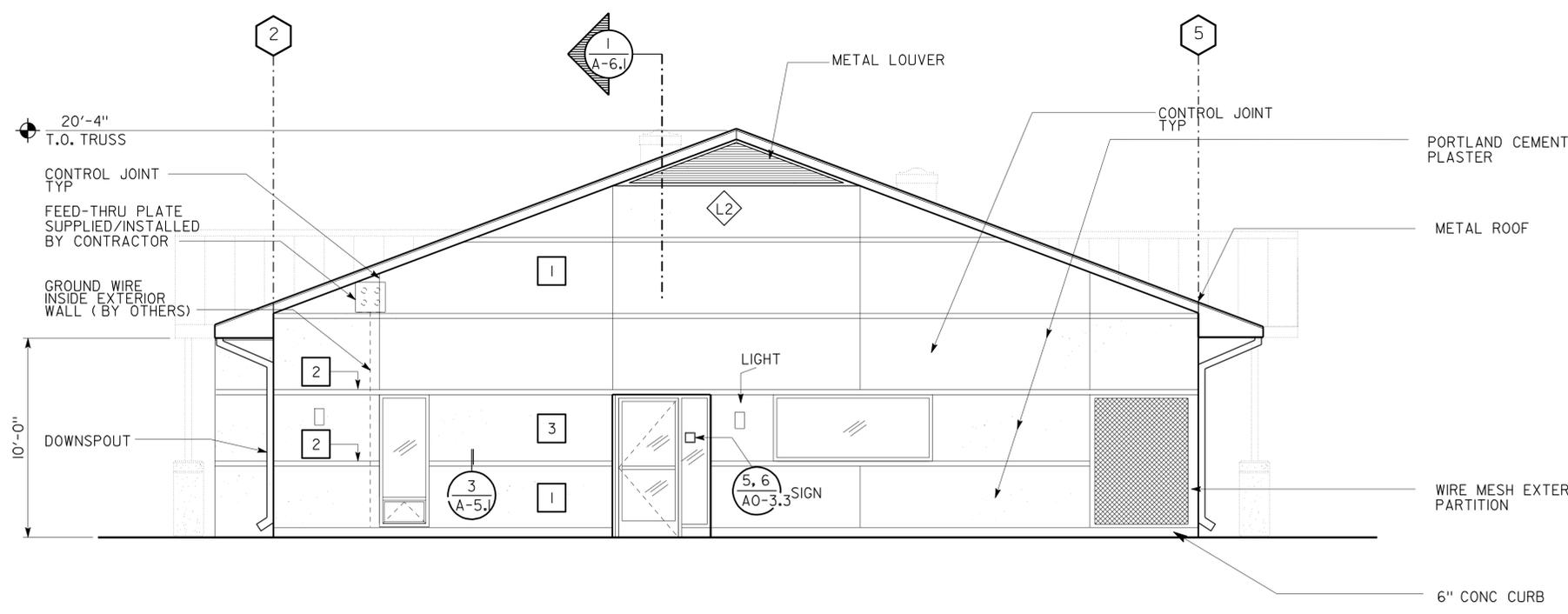


**3 SKYLIGHT-INTERIOR FINISH**

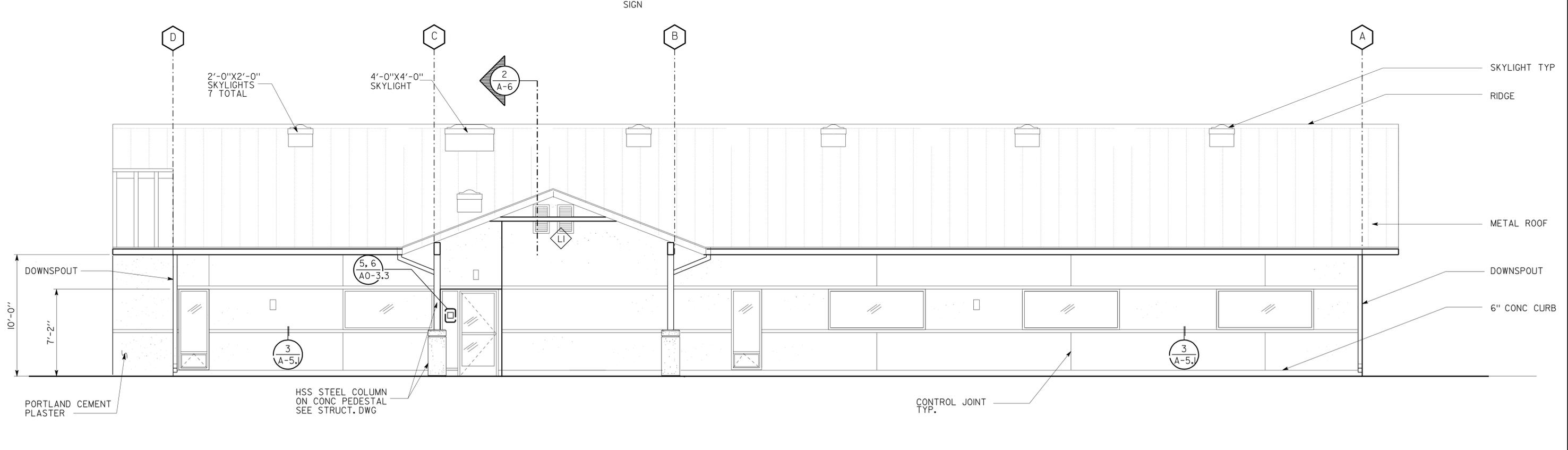
SCALE 6" = 1'-0"

a4_3skylgtf1s.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:47	DESIGN BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>			POST MILE X		<b>SKYLIGHT DETAILS</b>
QUANTITIES BY	CHECKED	X			REVISION DATES (PRELIMINARY STAGE ONLY) - -07		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			CU 03140	EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

10-MAR-2011 10:47



**1 SOUTH ELEVATION**  
SCALE 1/4" = 1'-0"



**2 WEST ELEVATION**  
SCALE 1/4" = 1'-0"

**ACCESSIBILITY DESIGN APPROVAL STAMP**  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		20	84
 LICENSED ARCHITECT			DATE		
3-7-11 PLANS APPROVAL DATE					
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- NOTES:**
- EXTERIOR FINISH AND COLORS SEE SCHEDULE A-8.3
  - COLOR CODE 1

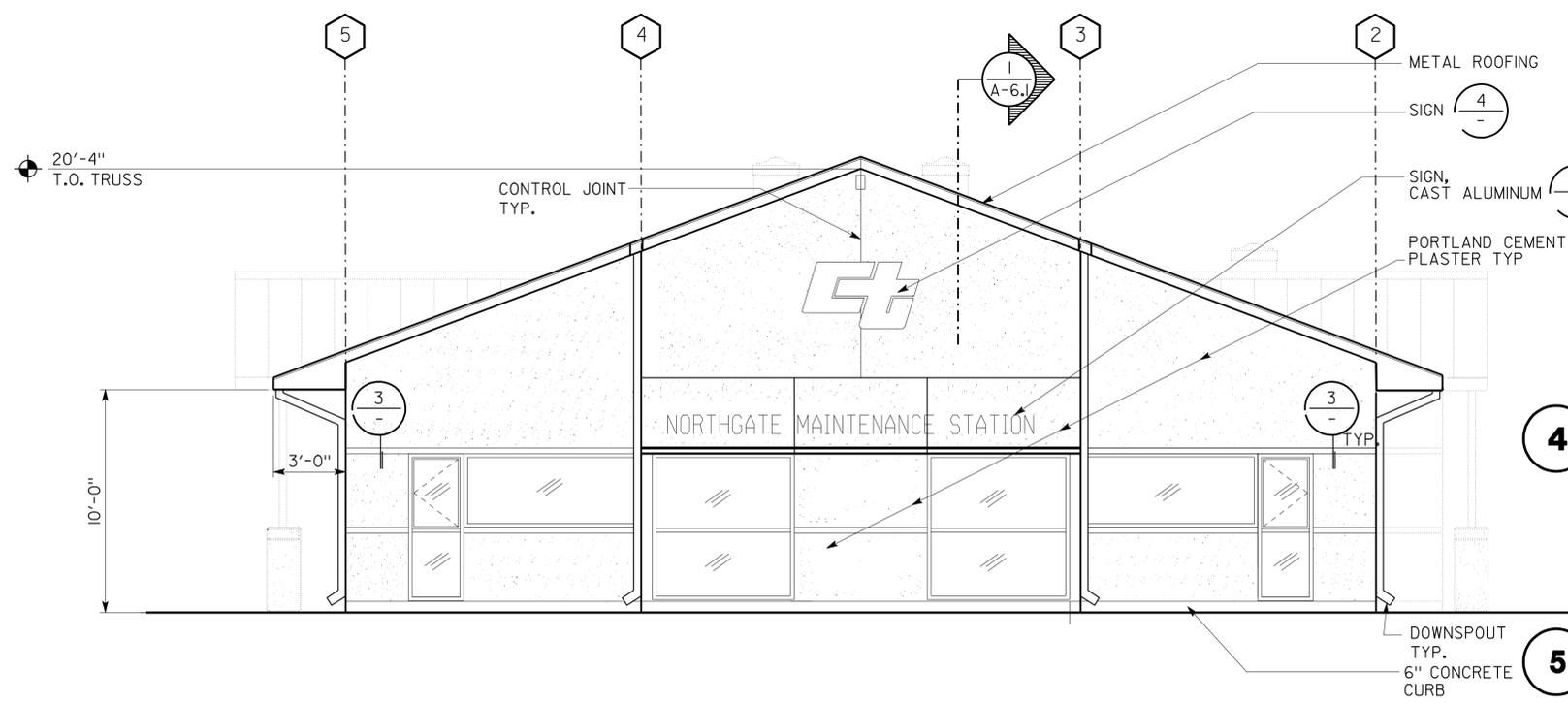
a5_0extelev.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:47	DESIGN BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b> EXTERIOR ELEVATIONS	SHEET OF
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		A-5
QUANTITIES BY	CHECKED			CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
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10-MAR-2011 10:47

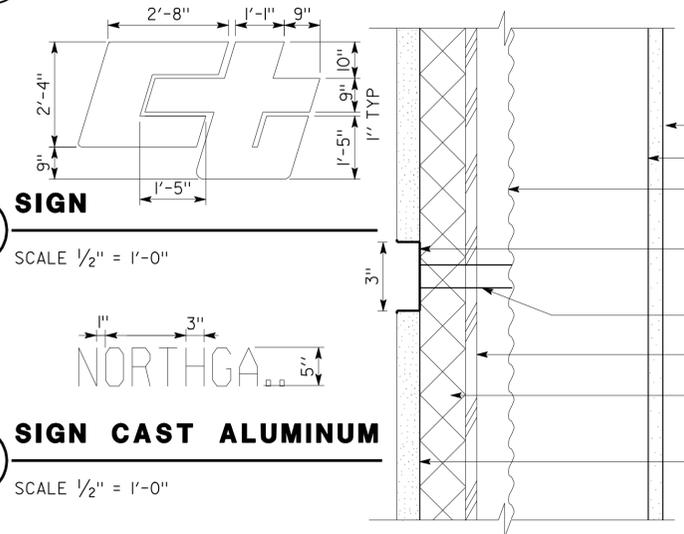
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		21	84
					
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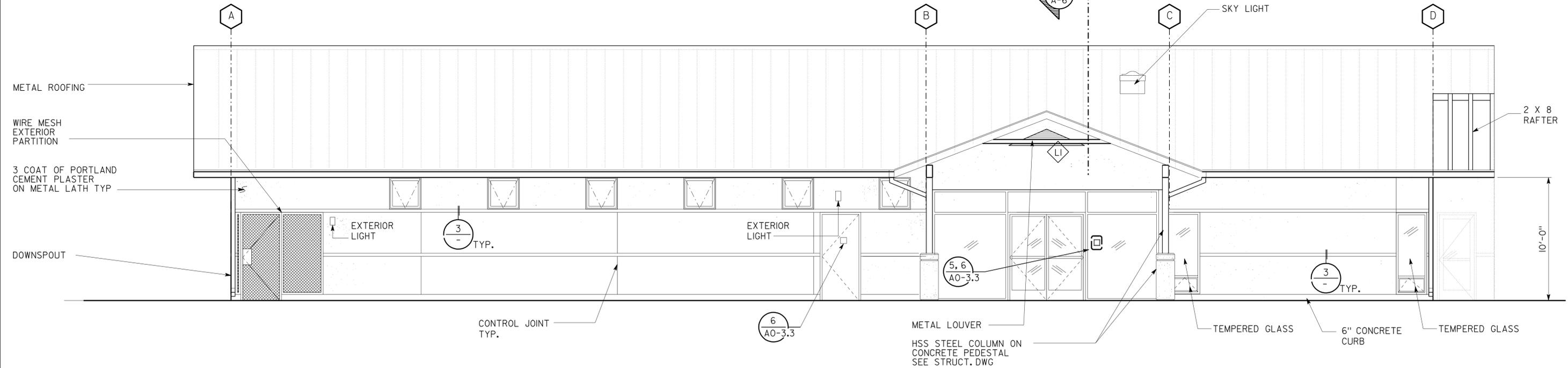
CALIFORNIA STATE FIRE MARSHAL  
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010



**1 NORTH ELEVATION**  
 SCALE 1/4" = 1'-0"



**3 REVEAL DETAIL**  
 SCALE 3" = 1'-0"

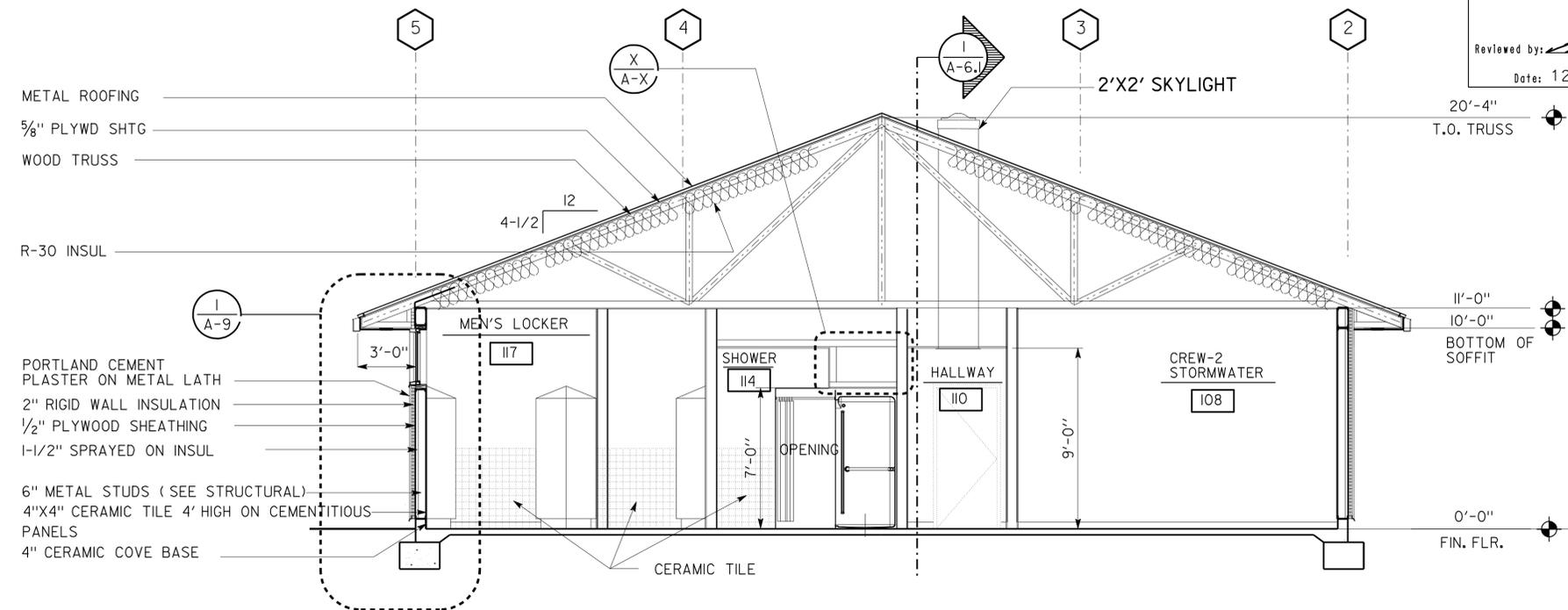


**2 EAST ELEVATION**  
 SCALE 1/4" = 1'-0"

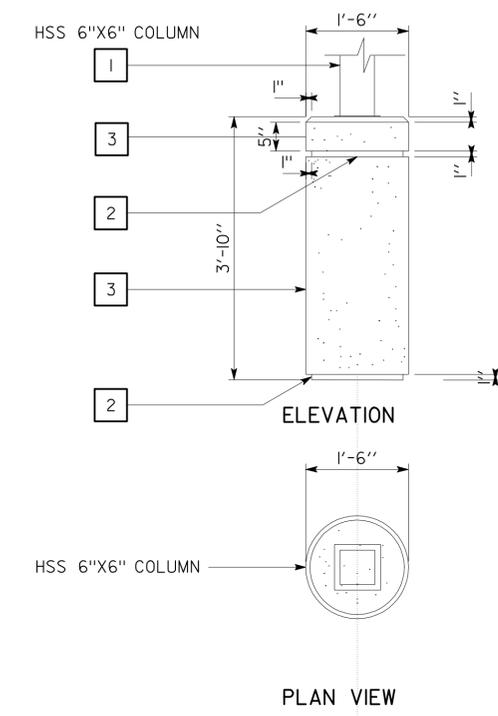
a5_textelev.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:47	DESIGN BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b> EXTERIOR ELEVATIONS	SHEET OF A-5.1
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>		CU 03140 EA 0300001120	POST MILE X		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY	CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES -07		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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 LICENSED ARCHITECT			DATE 3-7-11 PLANS APPROVAL DATE		
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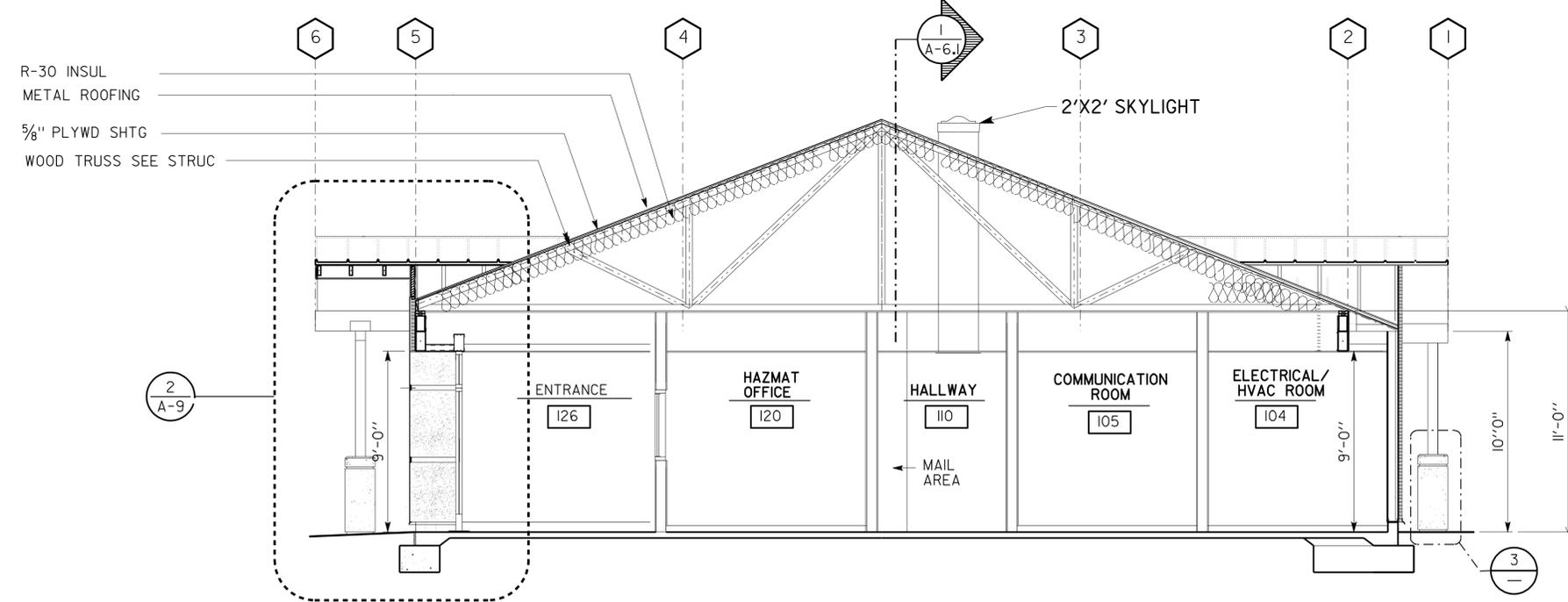


**1 SECTION**  
 SCALE 1/4" = 1'-0"



**3 CONCRETE PEDESTAL**  
 SCALE 3/4" = 1'-0"

NOTES:  
 1. EXTERIOR FINISH AND COLORS SEE SCHEDULE A-8.3



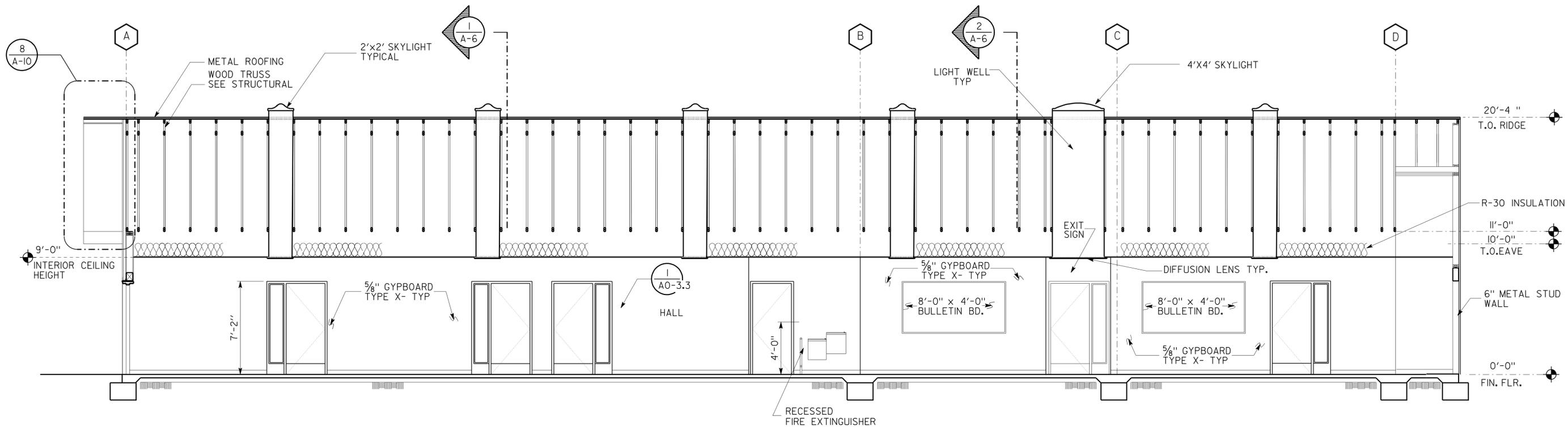
**2 SECTION**  
 SCALE 1/4" = 1'-0"

a6_0section.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:47	DESIGN BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b> SECTIONS	SHEET OF
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		A-6
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	

ACCESSIBILITY DESIGN APPROVAL STAMP  
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LICENSED ARCHITECT <i>[Signature]</i> C.A. SANCHEZ No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA			PLANS APPROVAL DATE 3-7-11 <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>		



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

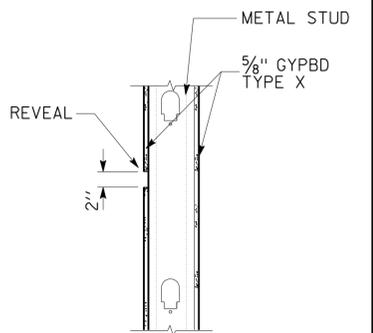
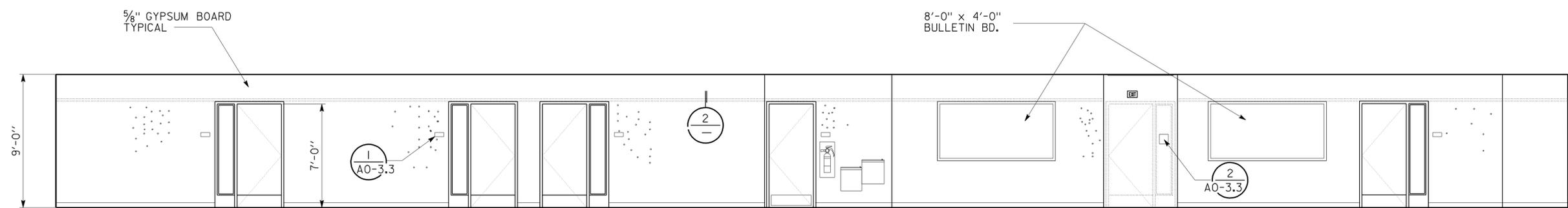
a6_1section_2.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 10:48	DESIGN BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS SECTIONS	SHEET OF A-6.1
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>			POST MILE X		
	QUANTITIES BY	CHECKED	CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	

10-MAR-2011 10:48

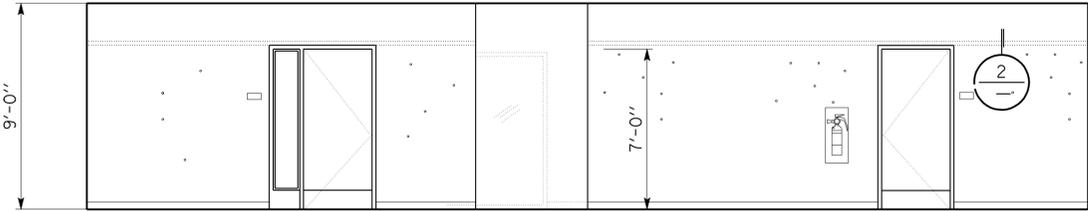
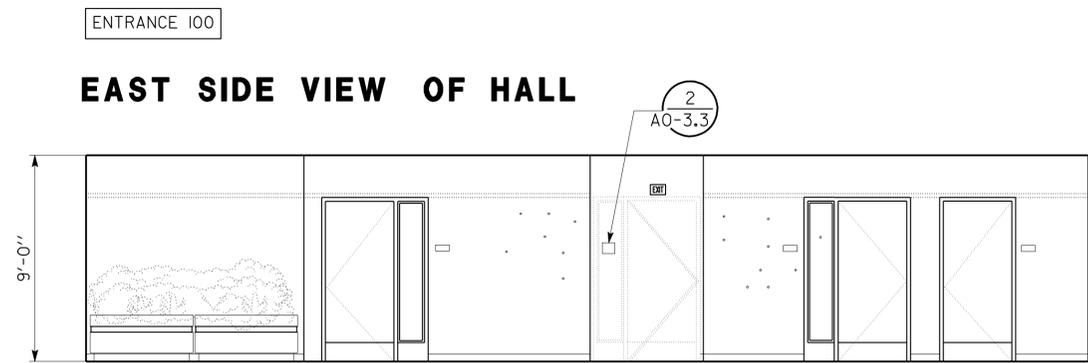
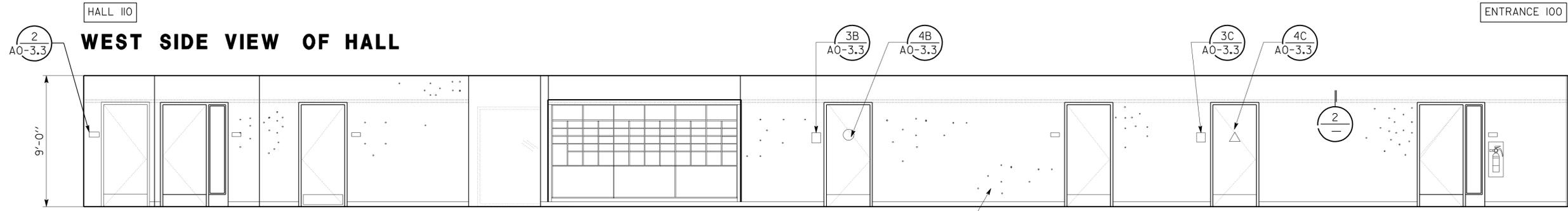
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DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

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]*  
Approval date: 11-18-2010

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		24	84
LICENSED ARCHITECT <i>[Signature]</i> DATE			LICENSED ARCHITECT C.A. SANCHEZ No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA		
3-7-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



**2 REVEAL DETAIL**  
SCALE 1" = 1'-0"



**EAST SIDE VIEW OF HALL**

**SOUTH SIDE VIEW OF HALL**

**NORTH SIDE VIEW OF HALL**

**1 INTERIOR ELEVATIONS**  
SCALE 1/4" = 1'-0"

DESIGN	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

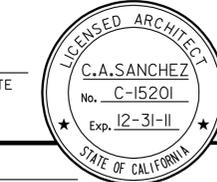
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	X
POST MILE	X

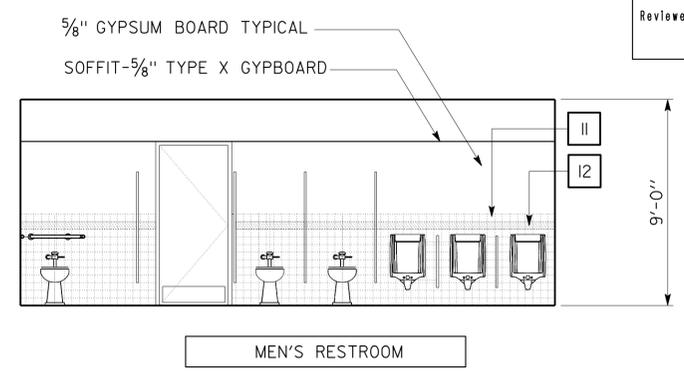
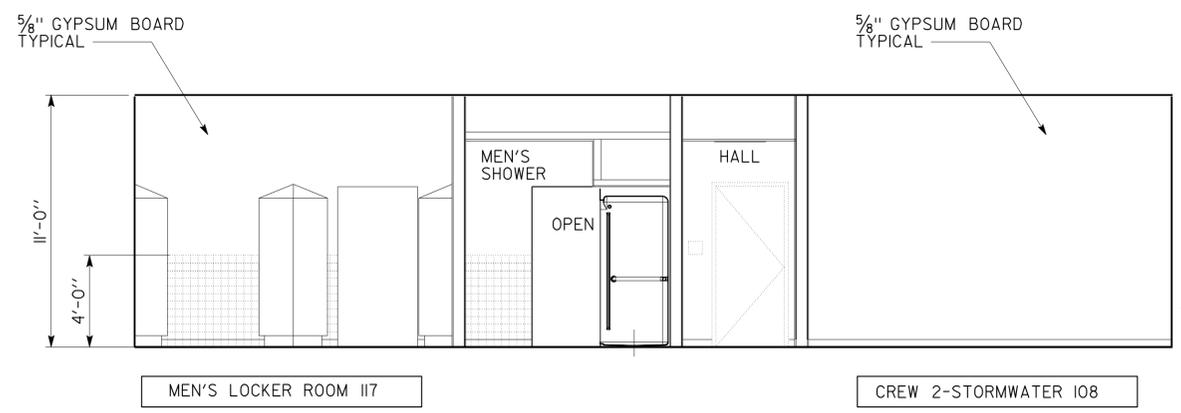
**NORTHGATE MS CREW QUARTERS**  
INTERIOR ELEVATIONS-I

SHEET **A-7**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		25	84
 LICENSED ARCHITECT				 C.A. SANCHEZ No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA	
3-7-11 PLANS APPROVAL DATE					
<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>					

ACCESSIBILITY DESIGN APPROVAL STAMP  
 DOT / DES / OTA  
**0300001120**  
 DISTRICT - EA  
 Reviewed by:   
 Date: 12-15-2010

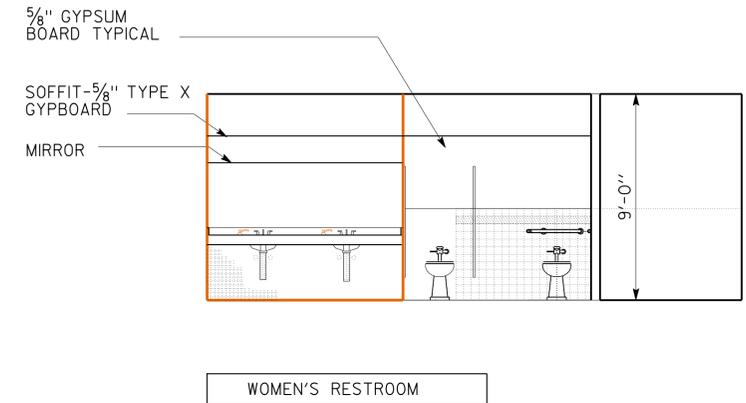
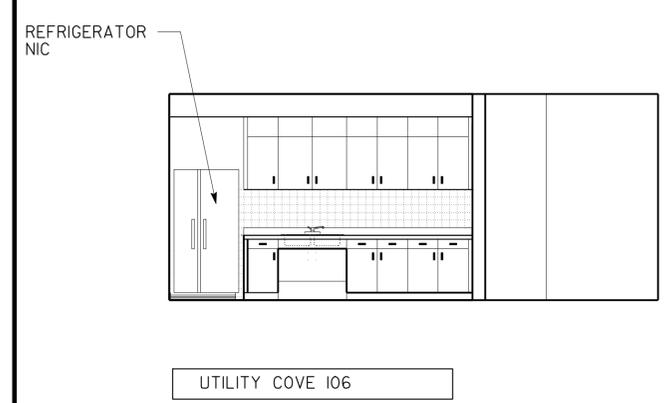
CALIFORNIA STATE FIRE MARSHAL  
 APPROVED  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.  
 Reviewed by:   
 Approval date: 11-18-2010



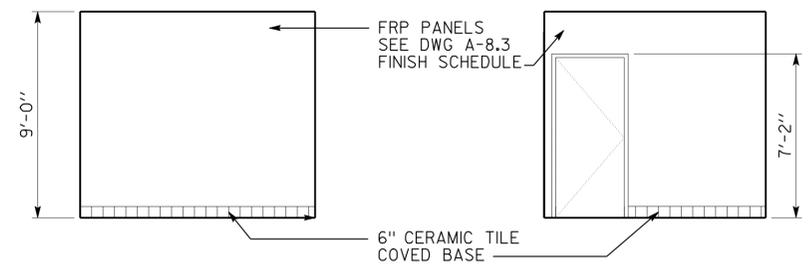
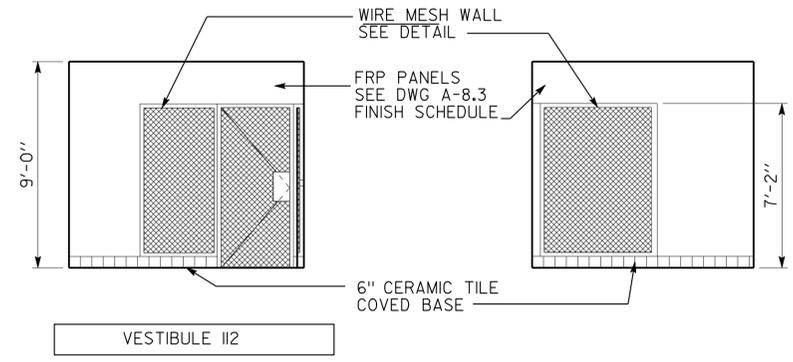
**SOUTH VIEW**

**LEGEND**

II FOR INFORMATION, SEE INTERIOR FINISH AND COLOR ON SHEET A-8.3



**NORTH VIEW**



**EAST VIEW**

**SOUTH VIEW**

**WEST VIEW**

**NORTH VIEW**

**1 INTERIOR ELEVATIONS**  
 SCALE 1/4" = 1'-0"

a7_1 intelev_2.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 11:20	DESIGN BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS INTERIOR ELEVATIONS-2	SHEET OF A-7.1
	DETAILS BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>		CU 03140 EA 0300001120	POST MILE X		REVISION DATES (PRELIMINARY STAGE ONLY) - -07
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES			

10-MAR-2011 11:20

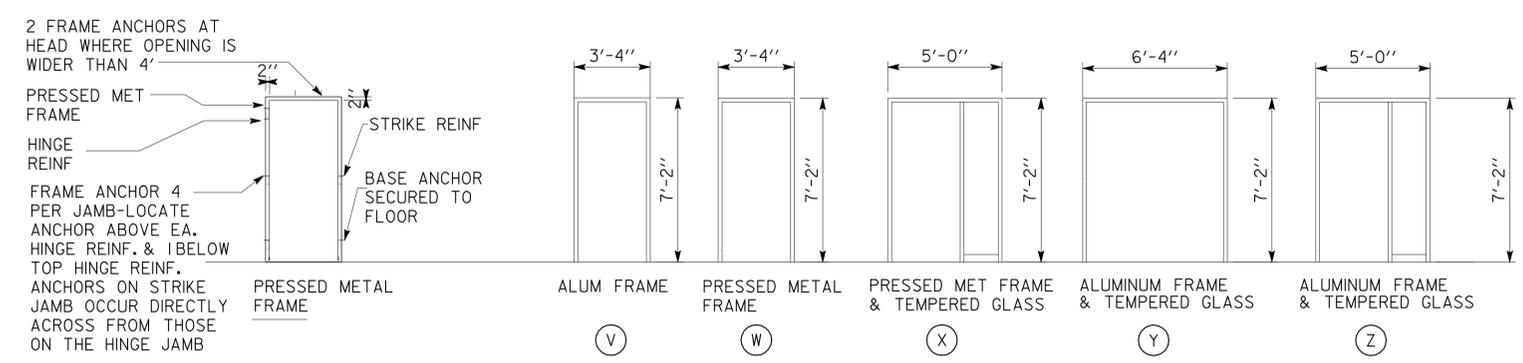
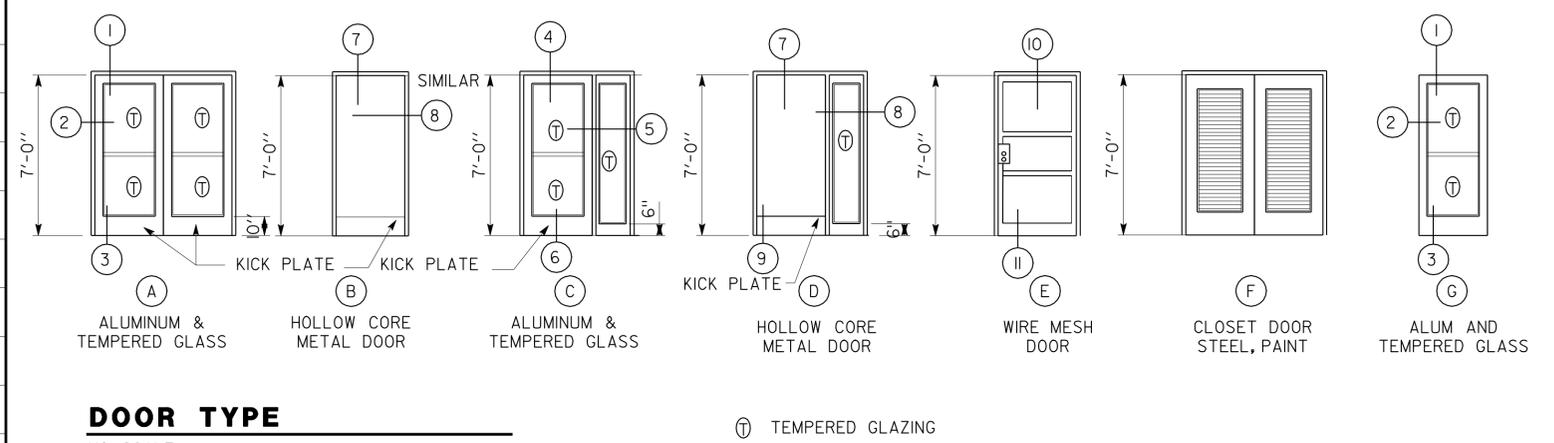
# DOOR SCHEDULE

NO	DOOR					FRAME				LABEL	DETAILS			HDWR GROUP	SIGN		NOTE KEY
	TYPE	OPENING SIZE WIDTH x HGT	THICK	MAT	FINISH	TYPE	MAT	WIDTH	FINISH		HEAD	JAMB	THLD		DETAIL	TEXT INSIDE TEXT OUTSIDE	
1	(A)	6'-0" x 7'-0"	1 3/4"	ALUM	PRE FINISH	(Y)	ALUM	2"	PRE FINISH	(1) (A-8.1)	(2) (A-8.1)	(3) (A-8.1)	1	2/AO-3.3	EXIT		
2	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
3	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
4	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
5	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
6	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
7	(G)	3'-0" x 7'-0"	1 3/4"	ALUM	PRE FINISH	(Z)	ALUM	2"	PRE FINISH	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	1	2/AO-3.3	EXIT		
8	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
9	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
10	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
11	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
12	(C)	3'-0" x 7'-0"	1 3/4"	ALUM	PRE FINISH	(Z)	ALUM	2"	PRE FINISH	(4) (A-8.1)	(5) (A-8.1)	(6) (A-8.1)	1	2/AO-3.3	EXIT		
13	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
14	(E)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(10) (A-8.1)		(11) (A-8.1)	2	2/AO-3.3	EXIT		
15	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		3				
16		3'-0" x 7'-0" CURTAIN															
17	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		3				
18		3'-0" x 7'-0" CURTAIN															
19	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		3				
20	(D)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(X)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
21	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	2				
22	(B)	3'-0" x 7'-0"	1 3/4"	ALUM	PRE FINISH	(W)	ALUM	2"	ALUM	(7) (A-8.1)	(8) (A-8.1)	(9) (A-8.1)	3				
23	(F)	6'-0" x 7'-0" CLOSET DOOR		STEEL	PAINT		STEEL	2"	PAINT								
24	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2				
25	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		2	2/AO-3.3	EXIT		
26	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT				3				
27	(B)	3'-0" x 7'-0"	1 3/4"	STEEL	PAINT	(W)	STEEL	2"	PAINT	(7) (A-8.1)	(8) (A-8.1)		3				
28	(G)	3'-0" x 7'-0"	1 3/4"	ALUM	PRE FINISH	(V)	ALUM	2"	PRE FINISH	(7) (A-8.1)	(8) (A-8.1)		1	2/AO-3.3	EXIT		

NOTE: SEE ADDITIONAL DOOR SIGNS AT EXTERIOR AND INTERIOR ELEVATIONS



DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		26	84
 LICENSED ARCHITECT			DATE _____		
3-7-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

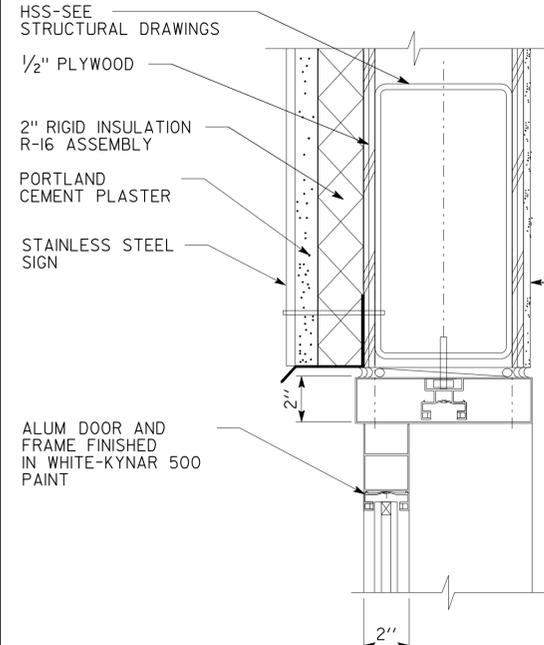


DESIGN BY CARLOS SANCHEZ DETAILS BY CARLOS SANCHEZ QUANTITIES BY	CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b>  DOOR SCHEDULE	SHEET A-8
	CHECKED <i>DOUG LANE</i>			POST MILE X		SHEET OF X X
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		CU 03140 EA 030001120		DISREGARD PRINTS BEARING EARLIER REVISION DATES →		

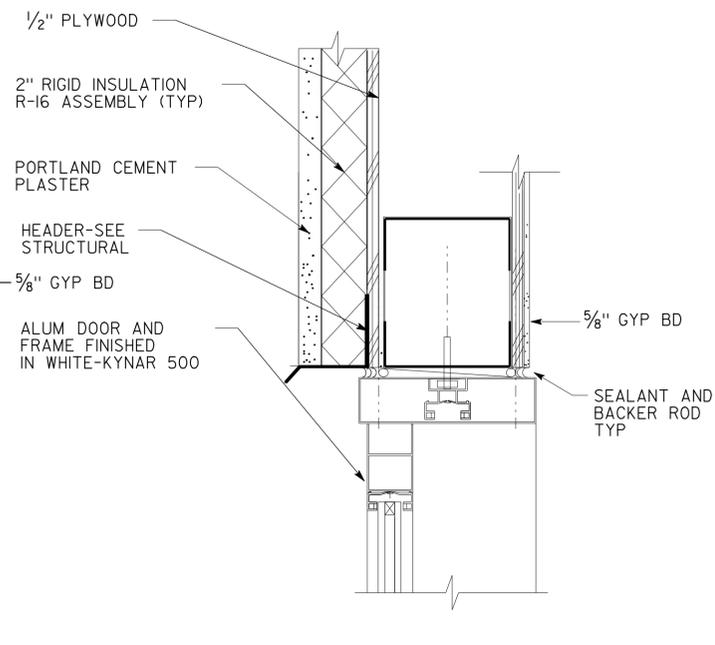
ACCESSIBILITY DESIGN APPROVAL STAMP  
 DOT / DES / OTA  
**0300001120**  
 DISTRICT - EA  
 Reviewed by: *[Signature]*  
 Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
**APPROVED**  
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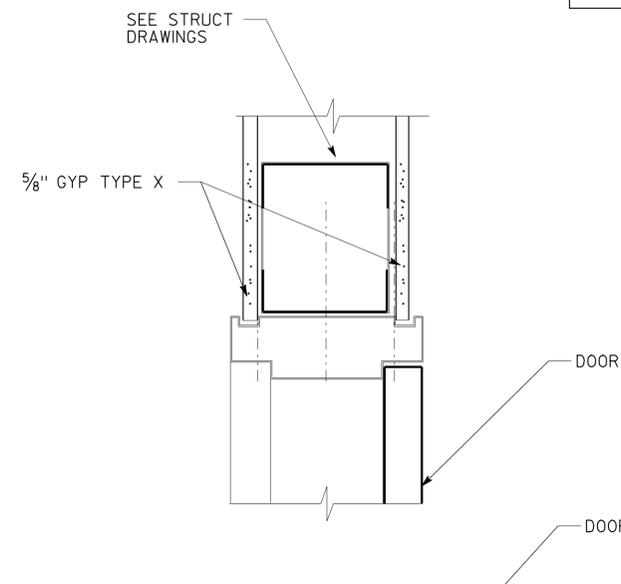
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		27	84
 LICENSED ARCHITECT				DATE 3-7-11 PLANS APPROVAL DATE	
					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					



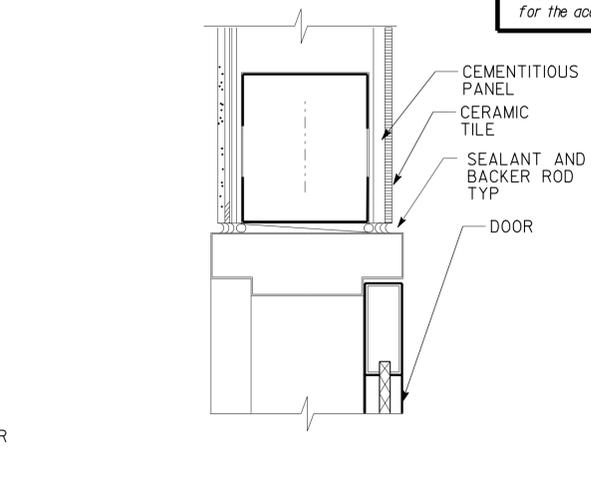
**1 DOOR HEAD**



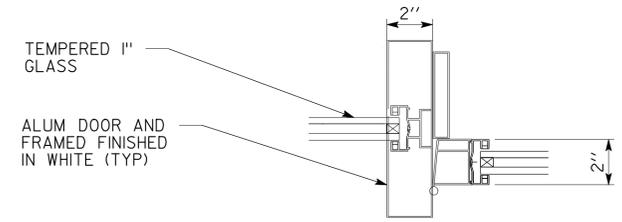
**4 DOOR HEAD**



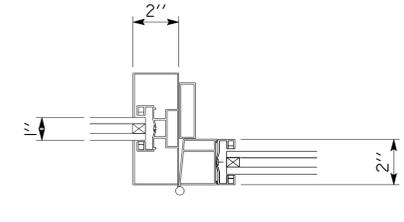
**7 DOOR HEAD**



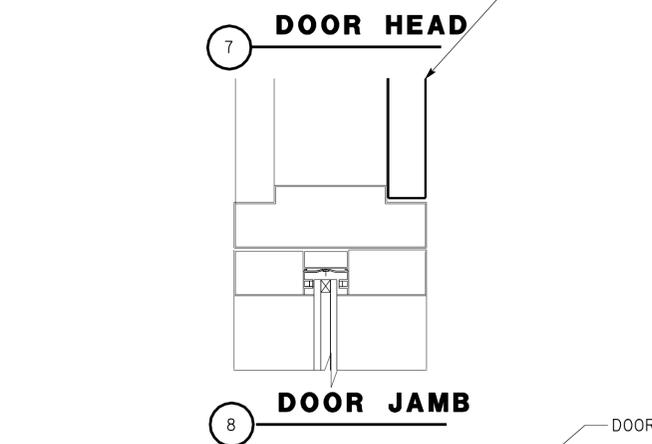
**10 DOOR HEAD**



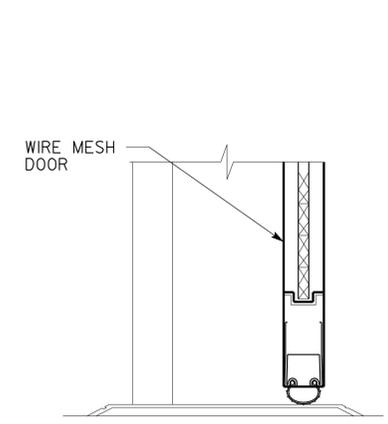
**2 DOOR JAMB**



**5 DOOR JAMB**



**8 DOOR JAMB**



**11 DOOR JAMB**

**DOOR DETAILS**  
 SCALE: 3"=1'-0"

**3 DOOR SILL**

**6 DOOR SILL**

**9 DOOR SILL**

**11 DOOR SILL**

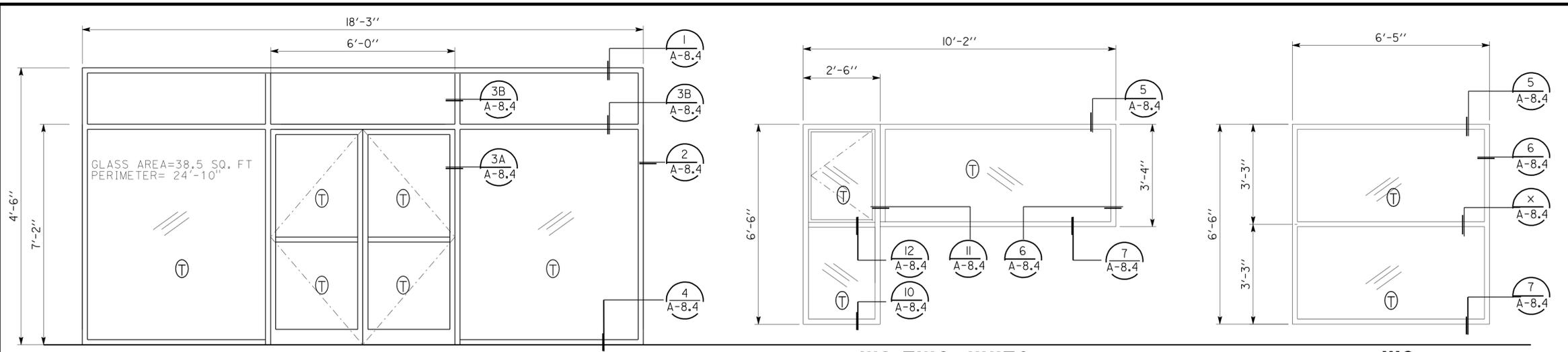
a8_1drdet.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 11:21	DESIGN BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET OF <b>A-8.1</b>
	DETAILS BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>			POST MILE X		
	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES → -07	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

10-MAR-2011 11:21

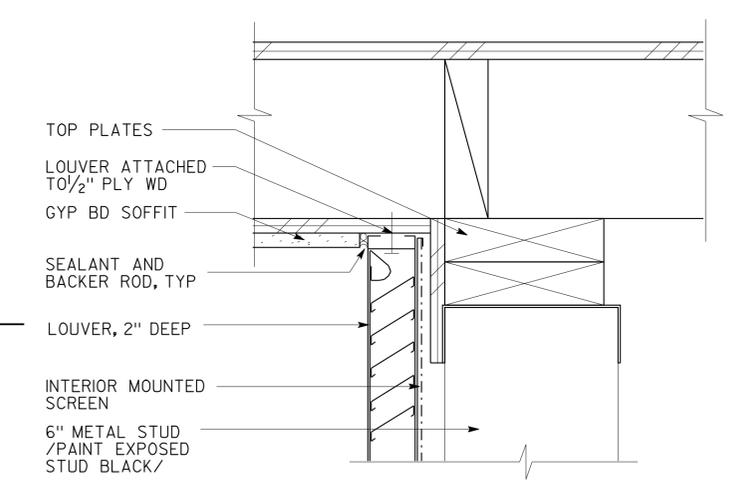
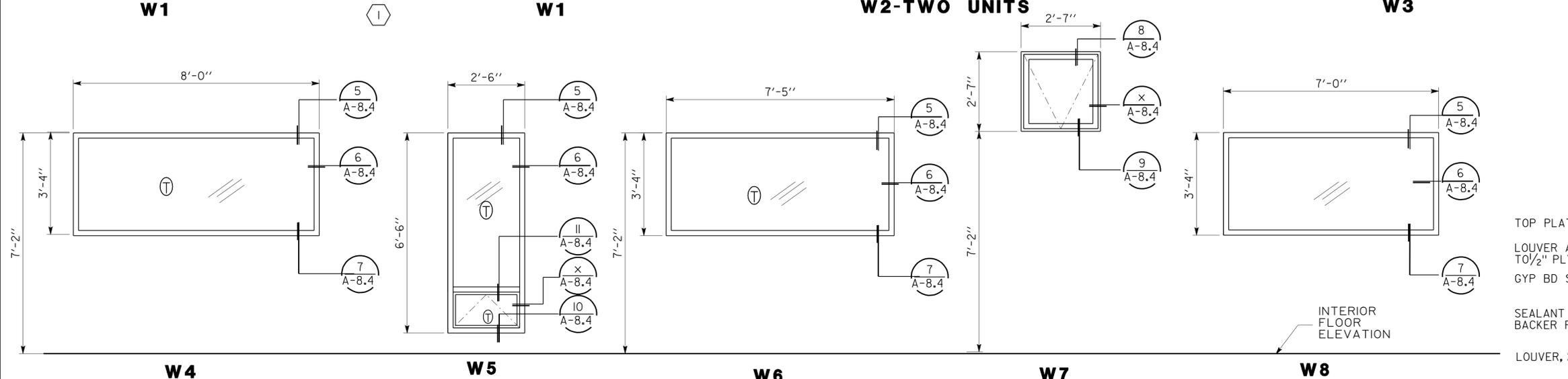
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		28	84

  
 LICENSED ARCHITECT \_\_\_\_\_ DATE \_\_\_\_\_  
 PLANS APPROVAL DATE: 3-7-11  
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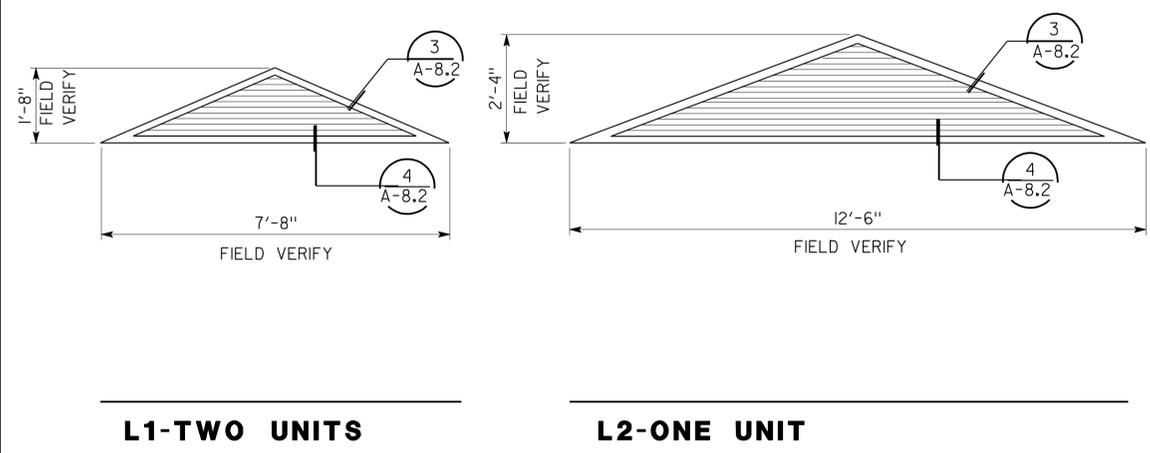




ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA <b>0300001120</b> DISTRICT - EA	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Date: 12-15-2010	Reviewed by:  Approval date: 11-18-2010

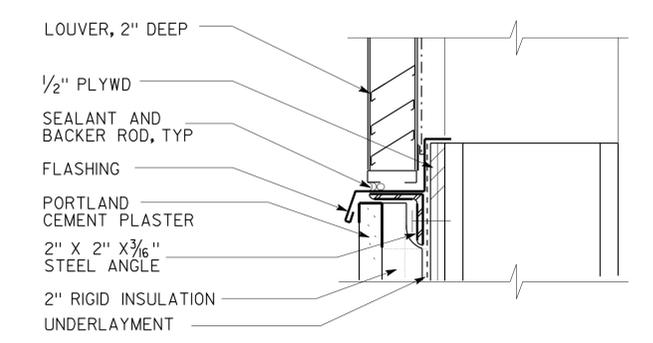


**1 WINDOW SCHEDULE**  
SCALE 1/2" = 1'-0"



**2 LOUVER SCHEDULE**  
SCALE 1/2" = 1'-0"

**3 LOUVER HEAD**  
SCALE 3" = 1'-0"



**4 LOUVER SILL**  
SCALE 3" = 1'-0"

DESIGN BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS		SHEET OF
DETAILS BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>			POST MILE X	X	WINDOW/LOUVER SCHEDULE AND DETAILS	A-8.2
QUANTITIES BY _____ CHECKED _____						

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 CU 03140 EA 0300001120  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: -07  
 REVISION DATES (PRELIMINARY STAGE ONLY):  
 SHEET OF: X X  
 a8\_2wlnsch.dgn 10-MAR-2011 11:21

# ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM NAME	FLOOR				BASE				WALLS																CEILING				SCHD NOTES
		CONCRETE	VINYL COMPOSITION TILE	CERAMIC TILE	CONCRETE	RESILIENT BASE	CERAMIC TILE COVERED BASE	NORTH				EAST				SOUTH				WEST				GYPSUM BOARD	SUSPENDED	CEILING	OTHER	OTHER		
								GYPSUM BOARD	CERAMIC TILE	OTHER	OTHER	OTHER	OTHER	GYPSUM BOARD	CERAMIC TILE	OTHER	OTHER	OTHER	OTHER	GYPSUM BOARD	CERAMIC TILE	OTHER	OTHER						OTHER	
100	ENTRANCE		2			3			5	7			5	7			5			5	7			8						
101	STORMWATER OFFICE		2			3			5	7			5				5			5	7			8						
102	HAZMAT OFFICE		2			3			5				5				5			5	7			8						
103	HALL		2			3			5				5				5			5	7			8						
104	ELECTRICAL/HVAC ROOM	1							5	6			5	6			5	6		5	6			8			(3)			
105	COMMUNICATION ROOM		2			3			5				5				5			5				8						
106	UTILITY COVE		2			3			5	4			5	4			5			5				8						
107	CREW-3 MAINTENANCE		2			3			5				5				5			5	7			5						
108	CREW-2 STORMWATER		2			3			5				5				5			5	7			5						
109	CREW-1 LANDSCAPE		2			3			5				5				5			5	7			5						
110	HALLWAY		2			3			5				5				5			5				8						
111	LANDSCAPE OFFICE		2			3			5				5				5	7		5				8						
112	VESTIBULE		4			4				9	10			11	9	10	5			11	9	10	5		9	10	8A			
113	MEN'S RESTROOM		4			4	5	4				5	4			5	4		5	4			5	4			8			
114	MEN'S SHOWER		4			4		4				4				4							10	5						
115	JANITOR	1				4	5			9		5				5			5			9		8						
116	WOMEN'S SHOWER		4			4		4				4				4							10	5						
117	MEN'S LOCKER		4			4	5	4				5	4			5	4		5	4			5				(4)			
118	WOMEN'S LOCKER		4			4	5	4				5	4			5	4		5	4			5				8			
119	WOMEN'S RESTROOM		4			4	5	4				5	4			5	4		5	4			5				8			
120	HAZMAT OFFICE		2			3			5				5	7			5			5				8						
121	HALL		2			3			5				5	7			5			5				8						
122	SUPPLY & STORAGE		2			3			5				5				5			5				8						
123	MAINTENANCE OFFICE		2			3			5	7			5	7			5			5				8						
124	VESTIBULE		4			4				9	10			9	10			9	10				9	10			8A			
126	SIDE ENTRANCE		2			3			5				5				5			5				5						

- 1 CONCRETE W/ CLEAR SEALER
- 2 VINYL COMPOSITION TILE; FACTORY FINISH: TAN, BROWN and BLACK FLECK MIX. SIMILAR TO ARMSTRONG STANDARD EXCELON IMPERIAL TEXTURE 51811 ANTIQUE WHITE
- 3 RESILIENT BASE, RUBBER; FACTORY FINISH: LIGHT BROWN
- 4 CERAMIC TILE AND GROUT; FACTORY FINISH: REFER TO CT COLOR ON SHEET
- 5 GYPSUM BOARD, 5/8" TYPE X; PAINT: OFF-WHITE
- 6 PLYWOOD PANEL, 1/2" THICK-PAINT: ENAMEL KELLY-MOORE #26-OYSTER
- 7 ALUM & GLASS WINDOWS-COLOR: WHITE, 500 KYNAR
- 8 SUSPENDED CEILING; FACTORY FINISH: 2' X4' X5/8" CEILING SIMILAR TO ARMSTRONG CORTEGA WHITE COLOR NO.769
- 8A INSTALL MOISTURE RESISTANT CEILING & SUSPENSION SYSTEM SIMILAR TO ARMSTRONG CERAMA GUARD. DIMENSION: 2' X4' X5/8" THICK - COLOR: WHITE PRELUDE PLUS.
- 9 FRP - FIBERGLASS REINFORCED PANEL; FINISH: BRIGHT WHITE
- 10 1/2" CEMENTITIOUS PANEL
- 11 WIRESCREEN PARTITION - MATCH ADJACENT WALL COLOR.
- 12 METAL LOUVER PANELS AND TRIM; REFER TO EXTERIOR FINISH and COLOR

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
APPROVED  
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Reviewed by: *[Signature]*  
Approval date: 11-18-2010

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		29	84

LICENSED ARCHITECT *[Signature]* DATE \_\_\_\_\_

3-7-11  
PLANS APPROVAL DATE

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## SCHEDULE NOTES

- (1) MANUFACTURER'S DESIGNATIONS NOTED ARE FOR REFERENCE ONLY NOT TO SHOW PREFERENCE.
- (2) EXPOSED PIPE AND ELECTRICAL CONDUIT SHALL BE PAINTED TO MATCH ADJACENT SURFACES.
- (3) PLYWD PANEL SHALL BE INSTALLED OVER GYPBD. GYPBD UNDERNEATH PLYWD SHALL BE TAPED AND SANDED, BUT NEED NOT BE PAINTED.
- (4) GYPBD ON WALLS BEHIND CABINETS OR LOCKERS SHALL BE TAPED AND SANDED, BUT NEED NOT BE PAINTED. INSTALL CERAMIC TILE BEHIND LOCKERS TO MATCH WALLS IN THE ROOMS.

## EXTERIOR FINISH and COLOR

PAINT MANUFACTURER KELLY-MOORE OR EQUAL			CERAMIC TILE MANUFACTURER DAL TILE OR EQUAL		
ITEM	COLOR NAME	COLOR NUMBER	ITEM	COLOR NAME	COLOR NUMBER
1	OYSTER	26	6	STONE CREEK METAL DOWNSPOUTS	KM4091-1
2	SALTILLO	212			
3	SPANISH SAND	231			
4	POTTER'S CLAY METAL ROOFING	KM4095-3			
5	ROCKY CLIFF METAL GUTTERS METAL ATTIC LOUVERS & TRIM	KM4093-2			

## INTERIOR FINISH and COLOR

PAINT MANUFACTURER KELLY-MOORE OR EQUAL			CERAMIC TILE MANUFACTURER DAL TILE OR EQUAL		
ITEM	COLOR NAME	COLOR NUMBER	ITEM	COLOR NAME	COLOR NUMBER
7	MARIAH WALLS	KM4073-1	11	ALMOND WALLS	QH 02
8	ANCIENT INCA DOOR FRAMES	KM4076-1	12	SPICE WALLS HIGHLIGHTS	QH 20
9	SPICE ISLAND METAL DOORS	KM4078-2	13	LATTE FLOORS	QH 26
10	AUTUMN'S BRONZE REVEAL IN CORRIDOR	KM4128-5			
				ALL CERAMIC TILE SHALL BE 2'X2'X5/16" UNLESS OTHERWISE NOTED (U.O.N.)	
				WILSON ART HD LAMINATED PLASTIC	
			14	NATURAL ALMOND	D30-60
			15	PORT	D14-60

DESIGN BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS		SHEET OF
DETAILS BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>			POST MILE X	FINISH SCHEDULE		A-8.3
QUANTITIES BY _____ CHECKED _____	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

a8\_3f insch.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 11:21

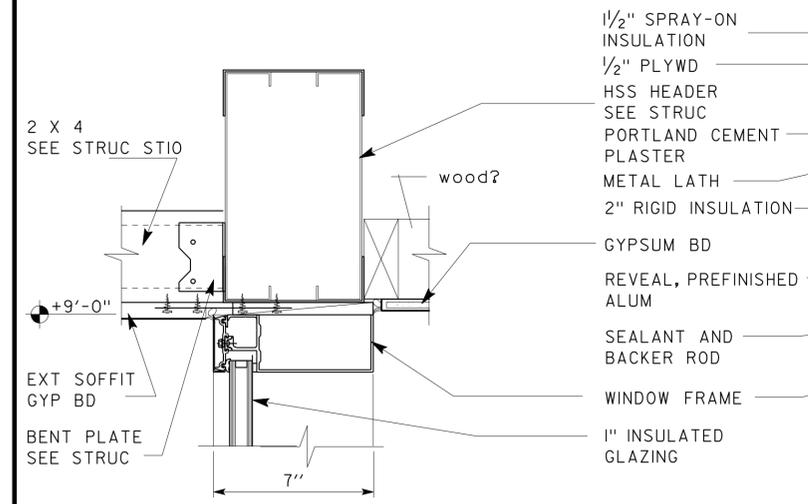
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		30	84

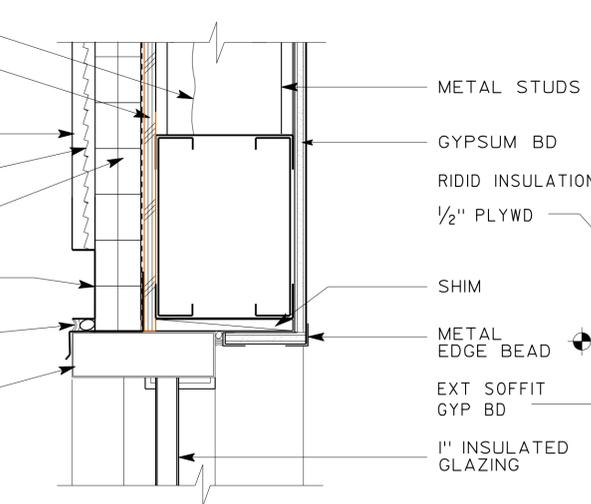
 LICENSED ARCHITECT		DATE
3-7-11 PLANS APPROVAL DATE		
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>		



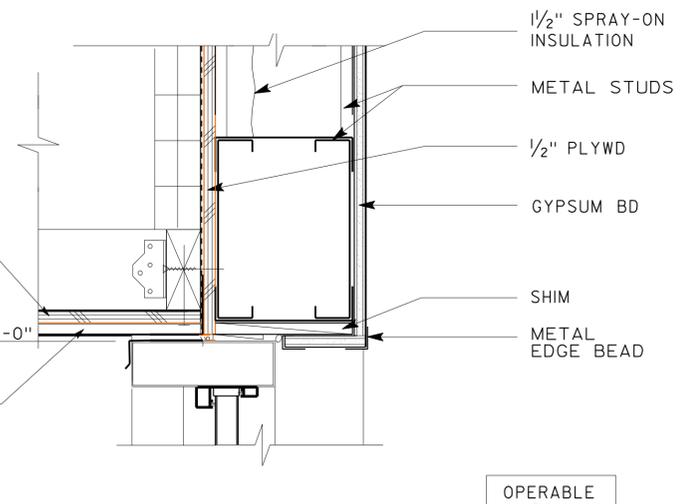
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA <b>0300001120</b> DISTRICT - EA	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Date: 12-15-2010	Reviewed by:  Approval date: 11-18-2010



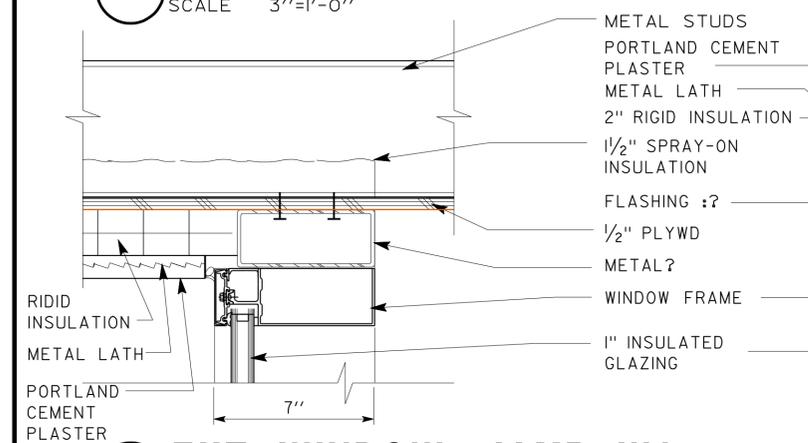
**1 EXT WINDOW HEAD W1**  
SCALE 3"=1'-0"



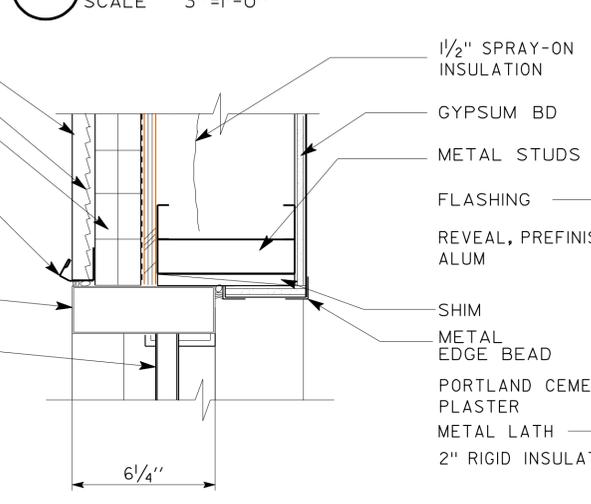
**5 EXT WINDOW HEAD**  
SCALE 3"=1'-0"



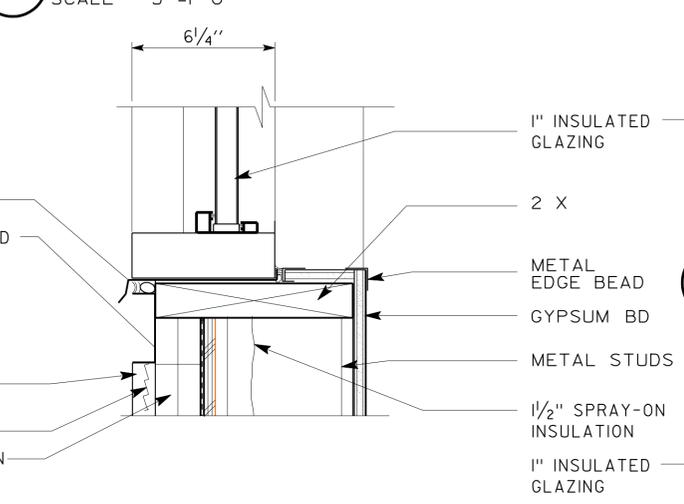
**8 EXT WINDOW HEAD**  
SCALE 3"=1'-0"



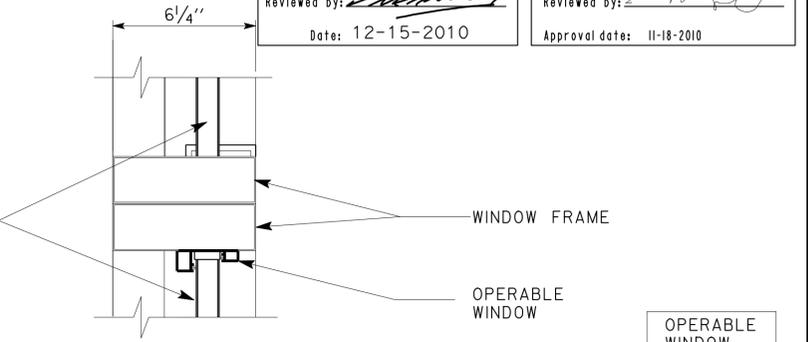
**2 EXT WINDOW JAMB W1**  
SCALE 3"=1'-0"



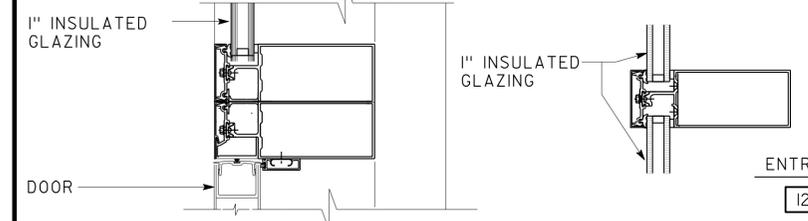
**6 EXT WINDOW JAMB**  
SCALE 3"=1'-0"



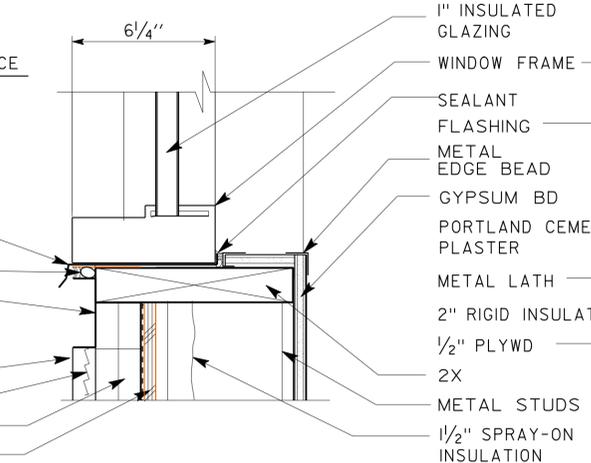
**9 EXT WINDOW SILL**  
SCALE 3"=1'-0"



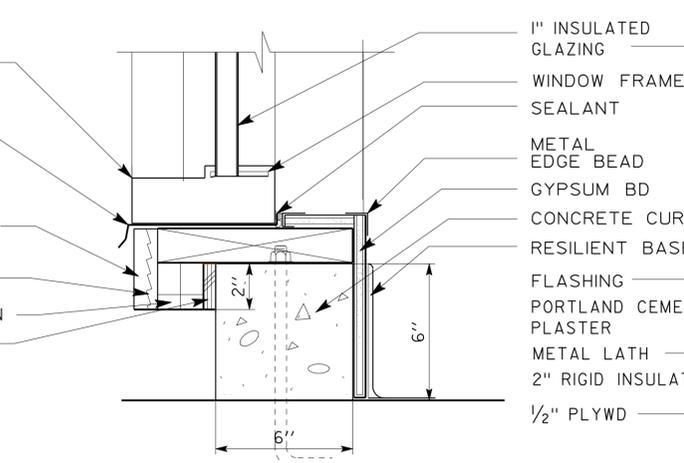
**11 EXT WINDOW MULLION JAMB**  
SCALE 3"=1'-0"



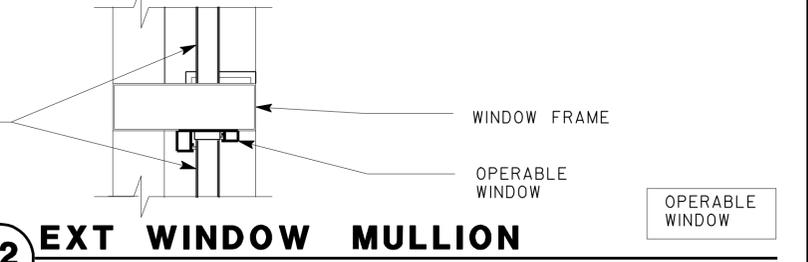
**3 EXT WINDOW MULLION W1**  
SCALE 3"=1'-0"



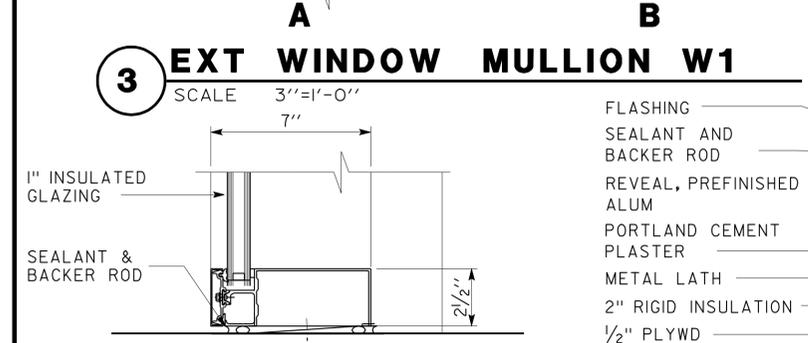
**7 EXT WINDOW SILL**  
SCALE 3"=1'-0"



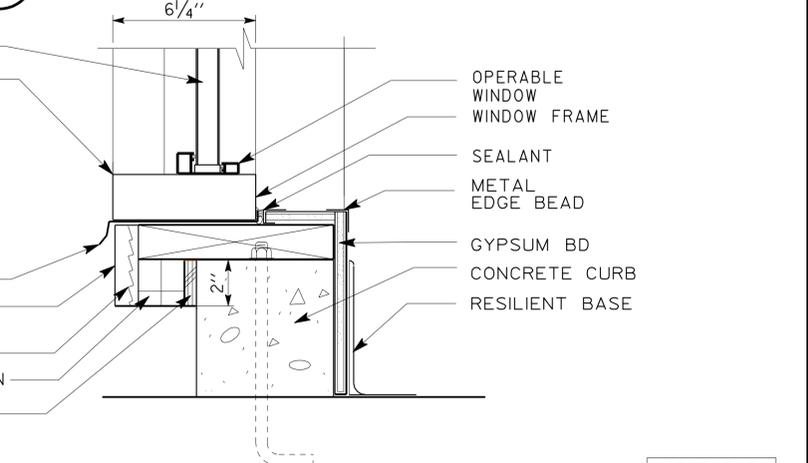
**10 EXT WINDOW CURB SILL**  
SCALE 3"=1'-0"



**12 EXT WINDOW MULLION**  
SCALE 3"=1'-0"



**4 EXT WINDOW SILL**  
SCALE 3"=1'-0"



**13 EXT WINDOW CURB SILL**  
SCALE 3"=1'-0"

DESIGN BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	NORTHGATE MS CREW QUARTERS		SHEET
DETAILS BY CARLOS SANCHEZ CHECKED <i>DOUG LANE</i>			POST MILE X	WINDOW DETAILS		A-8.4
QUANTITIES BY CHECKED				REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

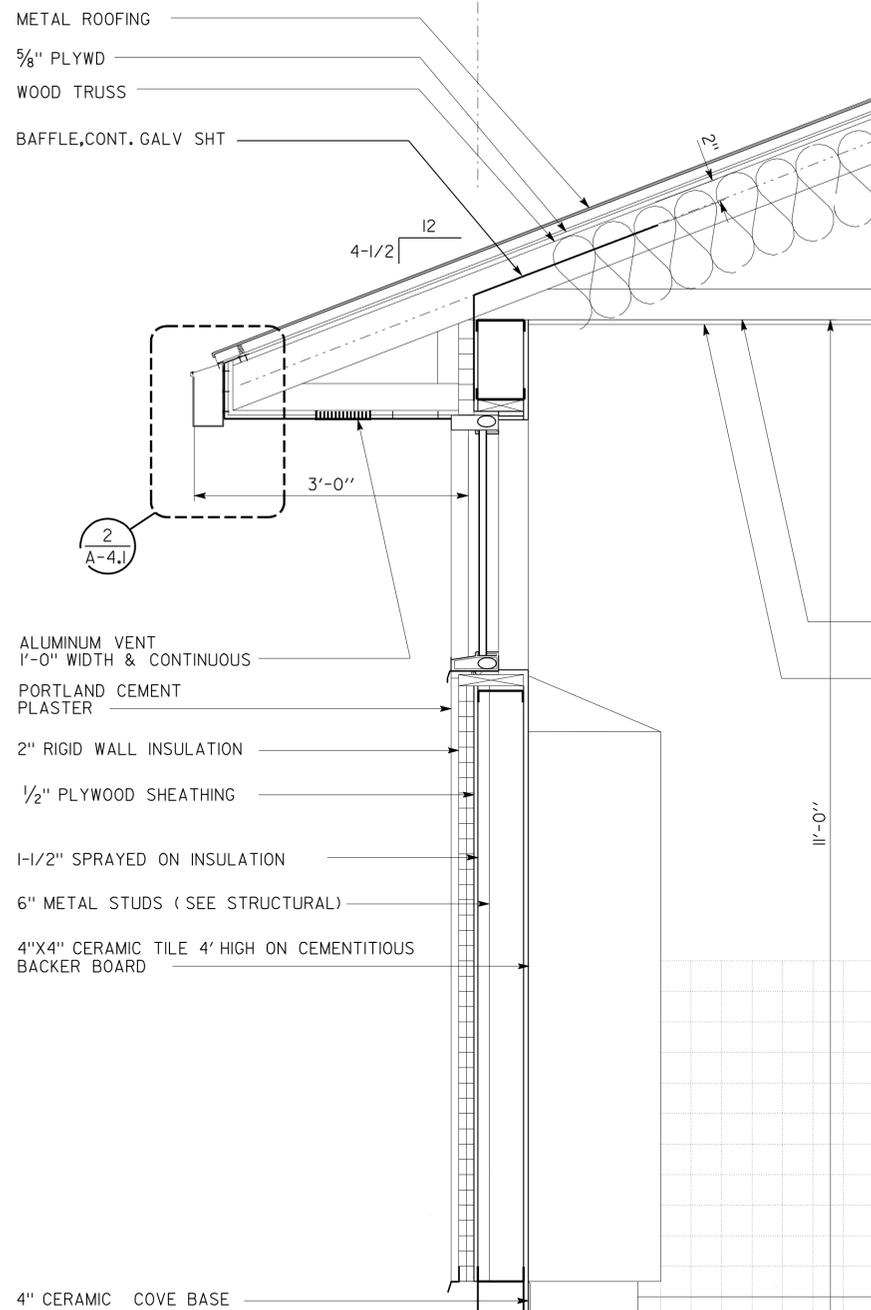
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

CU 03140 EA 0300001120

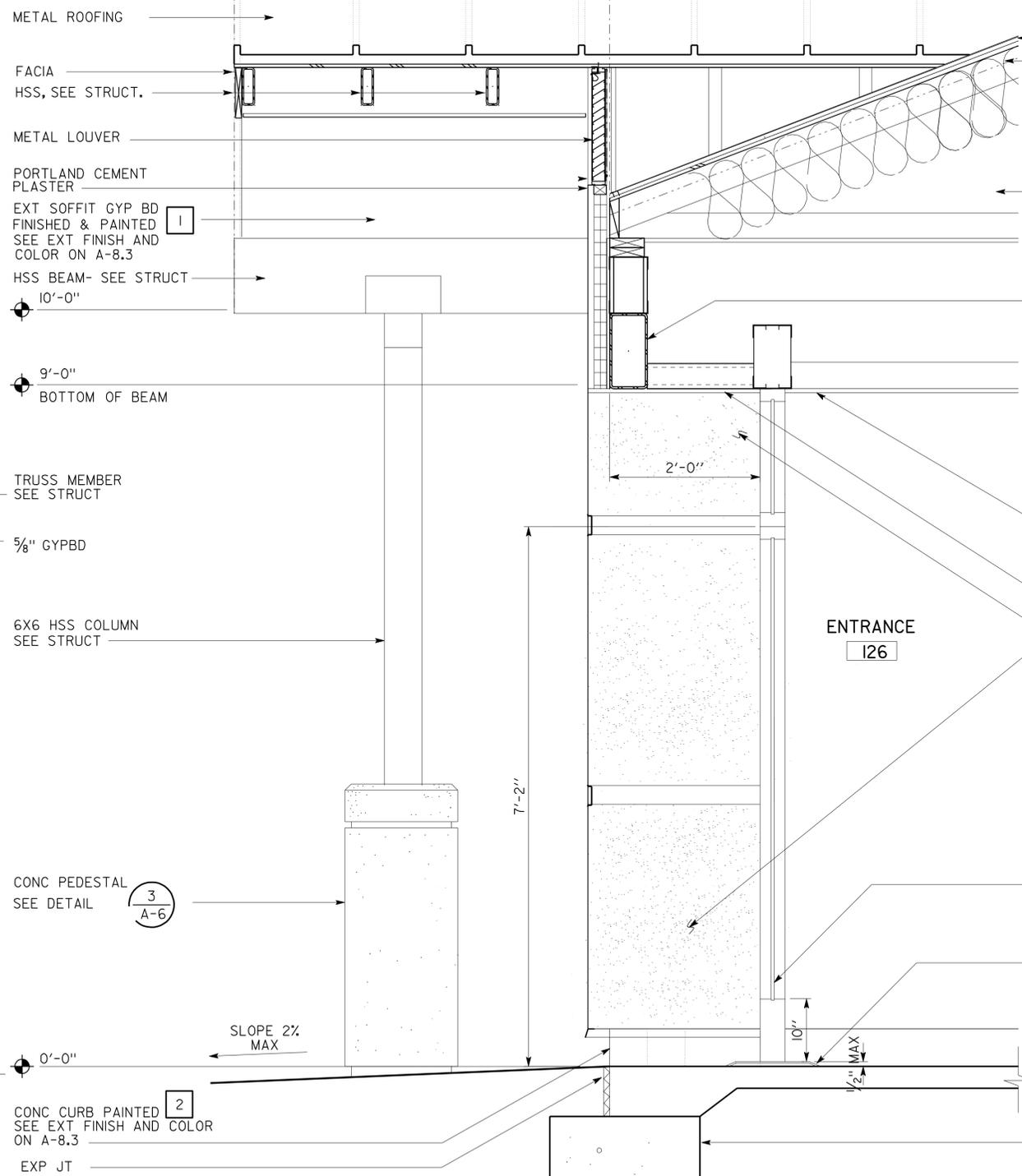
DISREGARD PRINTS BEARING EARLIER REVISION DATES

10-MAR-2011 11:21

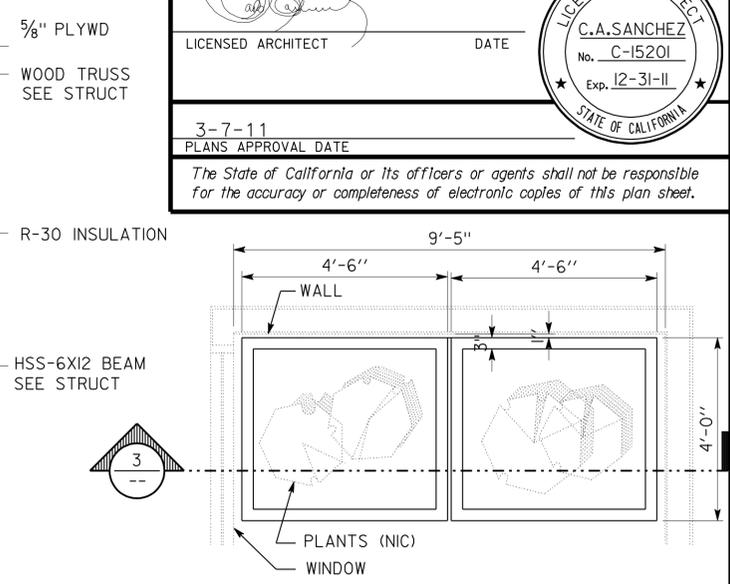
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		31	84
 LICENSED ARCHITECT			DATE		
					
3-7-11					
PLANS APPROVAL DATE					
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					



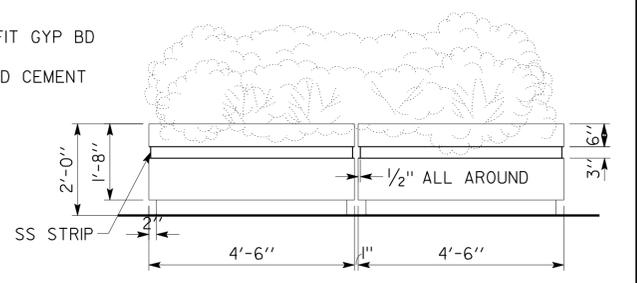
**1 WALL DETAIL**  
SCALE: 1"=1'-0"



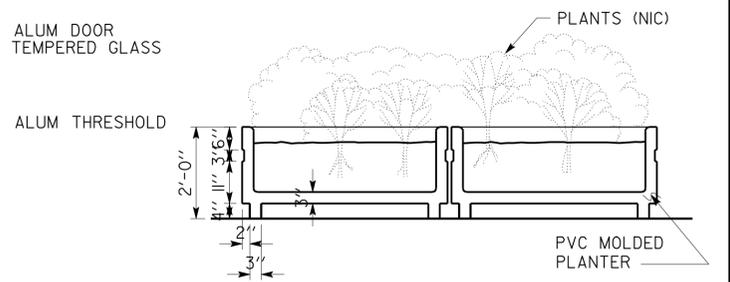
**2 WALL DETAIL**  
SCALE: 1"=1'-0"  
REFER TO 



**PLAN**



**ELEVATION**



**SECTION**

**3 PLANTER**  
SCALE 1/2" = 1'-0"

<b>ACCESSIBILITY DESIGN APPROVAL STAMP</b> DOT / DES / OTA <b>0300001120</b> DISTRICT - EA Reviewed by:  Date: 12-15-2010	<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> 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:  Approval date: 11-18-2010
---	--

a9_0detals_1.dgn	DESIGN BY CARLOS SANCHEZ CHECKED <i>DOUG LOVE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. X	<b>NORTHGATE MS CREW QUARTERS</b> DETAILS-I	SHEET A-9	
DS OSD Imperial Rev. 10/07 10-MAR-2011 11:21	DETAILS BY CARLOS SANCHEZ CHECKED <i>DOUG LOVE</i>		CU 03140 EA 0300001120	POST MILE X		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	QUANTITIES BY CHECKED		0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		- 07	

ACCESSIBILITY DESIGN APPROVAL STAMP  
 DOT / DES / OTA  
**030001120**  
 DISTRICT - EA

Reviewed by: *[Signature]*  
 Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
 APPROVED

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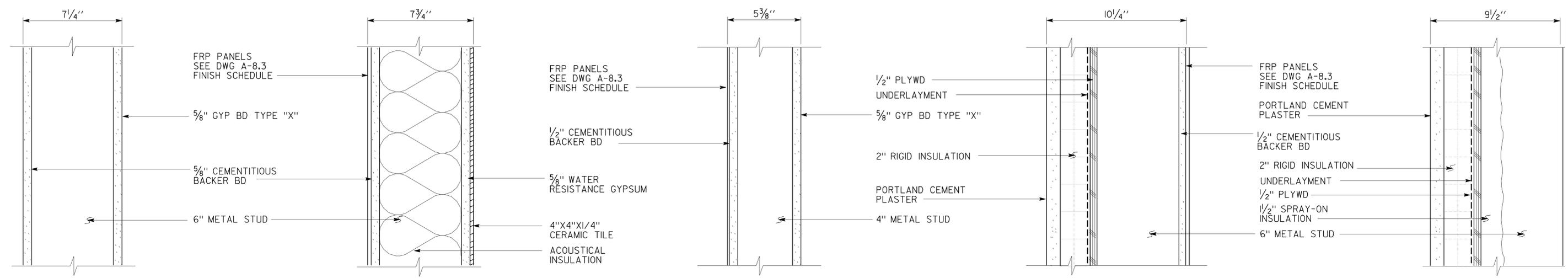
Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		32	84

LICENSED ARCHITECT: *[Signature]* DATE: \_\_\_\_\_

PLANS APPROVAL DATE: 3-7-11

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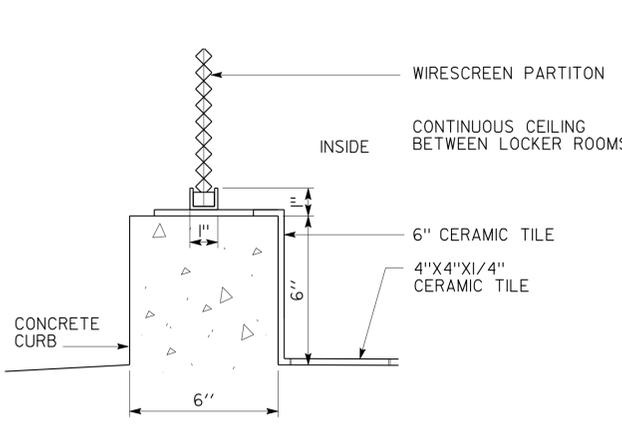
**1 WALL DETAIL**  
 SCALE 1/2" = 1'-0"

**2 WALL DETAIL**  
 SCALE 1/2" = 1'-0"

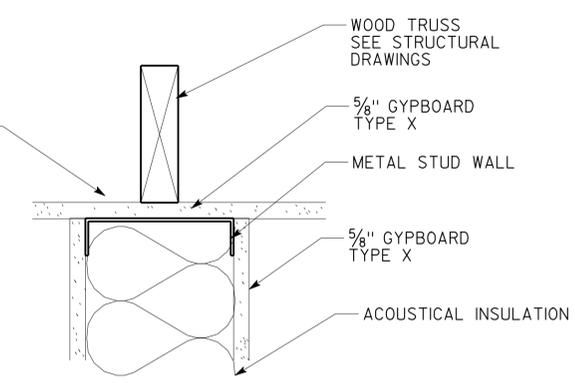
**3 WALL DETAIL**  
 SCALE 1/2" = 1'-0"

**4 WALL DETAIL**  
 SCALE 1/2" = 1'-0"

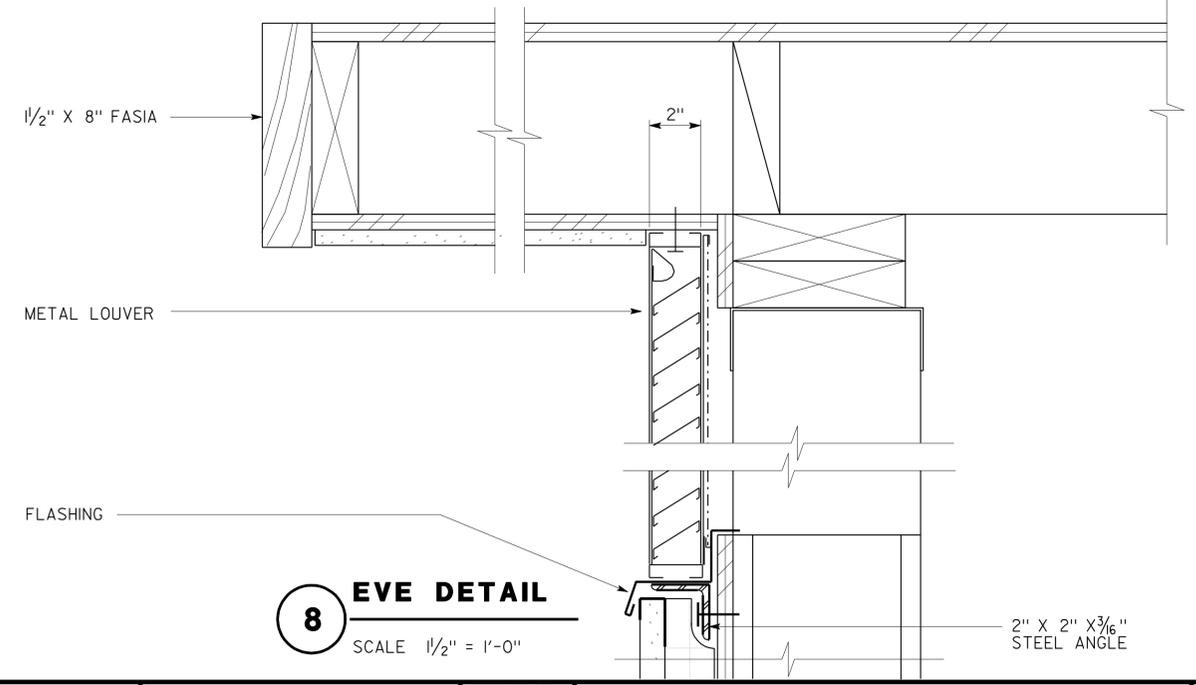
**5 WALL DETAIL**  
 SCALE 1/2" = 1'-0"



**6 WALL DETAIL**  
 SCALE 1/2" = 1'-0"



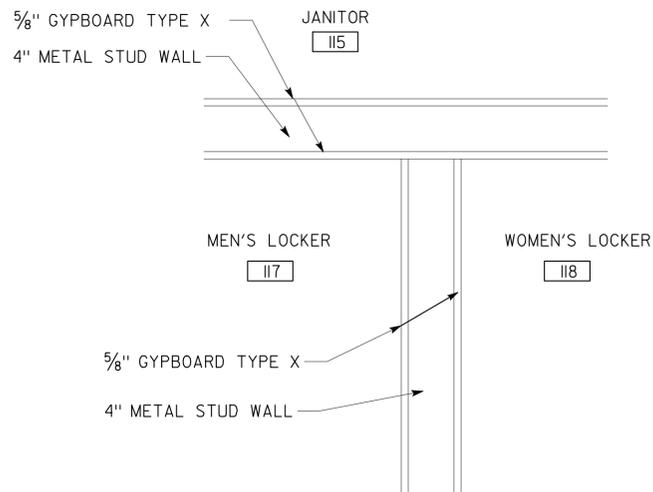
**7 WALL DETAIL/LOCKER ROOM**  
 SCALE 1/2" = 1'-0" REFER TO SHEET A-4.2



**8 EVE DETAIL**  
 SCALE 1/2" = 1'-0"

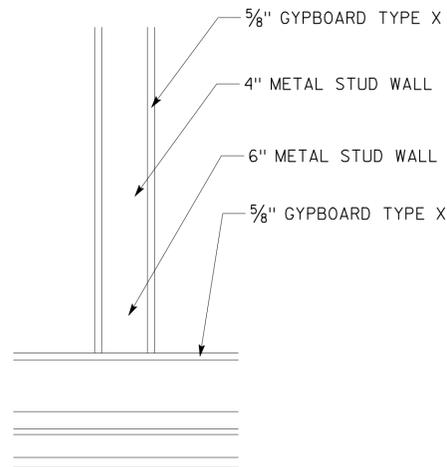
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	DETAILS BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE X		DETAILS- 2
QUANTITIES BY	CHECKED	CU 03140 EA 030001120		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	- 07	SHEET OF X X

10-MAR-2011 11:21



**1 WALL / LOCKER ROOM**

SCALE 1/2" = 1'-0" REFER TO SHEET A-II



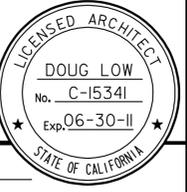
**2 WALL / LOCKER ROOM**

SCALE 1/2" = 1'-0" REFER TO SHEET A-II

ACCESSIBILITY DESIGN APPROVAL STAMP  
 DOT / DES / OTA  
**0300001120**  
 DISTRICT - EA  
 Reviewed by: *[Signature]*  
 Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		33	84
<i>DOUG LOW</i> LICENSED ARCHITECT DATE _____					
3-7-11 PLANS APPROVAL DATE					
<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>					



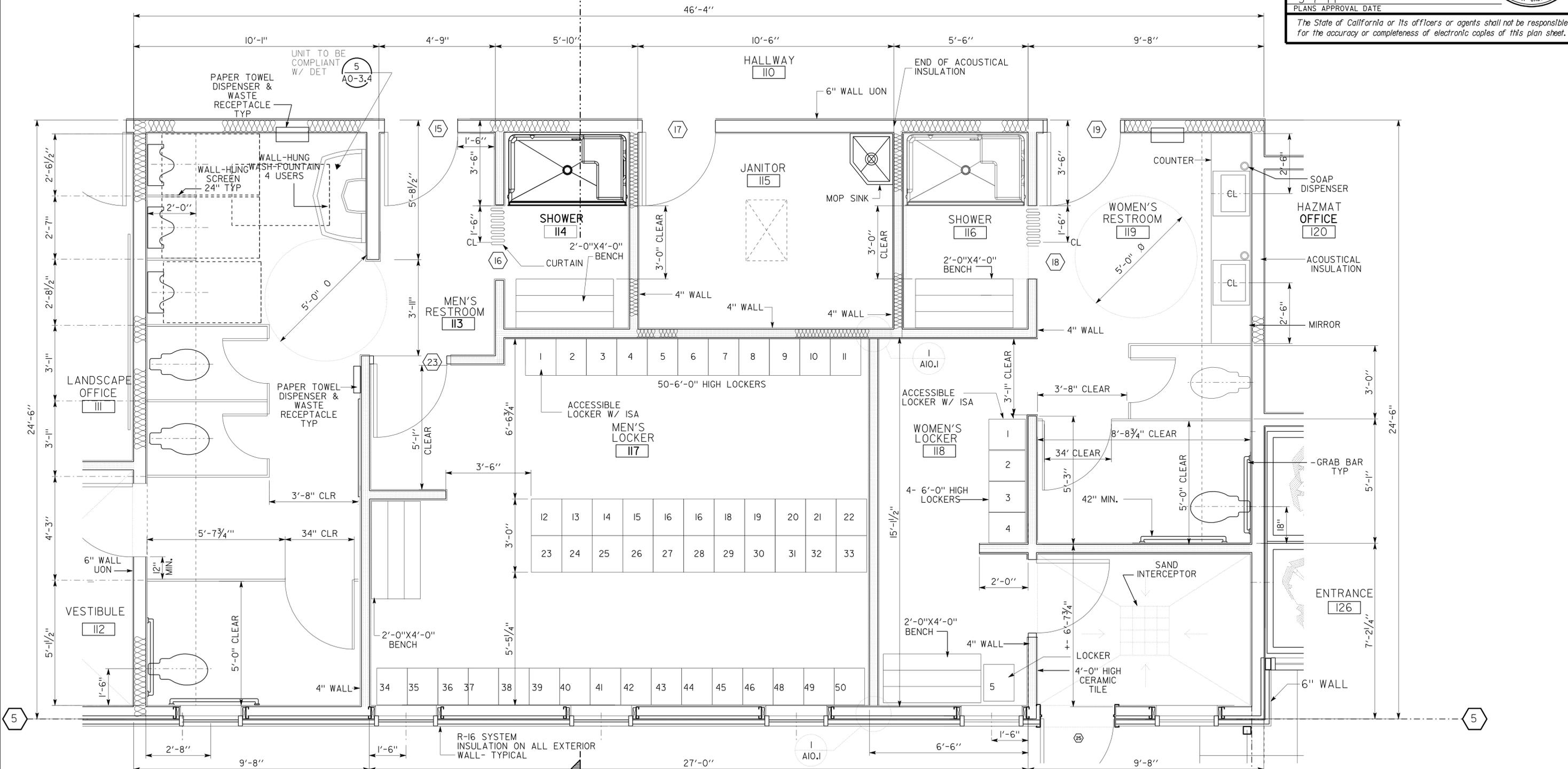
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	DETAILS	BY C.SANCHEZ	CHECKED <i>DOUG LOWE</i>			X		<b>A -10.1</b>	
QUANTITIES	BY	CHECKED	X						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	CU 03xxx EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

10-MAR-2011 11:22

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by: *[Signature]*  
Date: 12-15-2010

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Reviewed by: *[Signature]*  
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		34	84
 LICENSED ARCHITECT			DATE		
 LICENSED ARCHITECT No. C-15201 Exp. 12-31-11 STATE OF CALIFORNIA			3-7-11 PLANS APPROVAL DATE <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>		

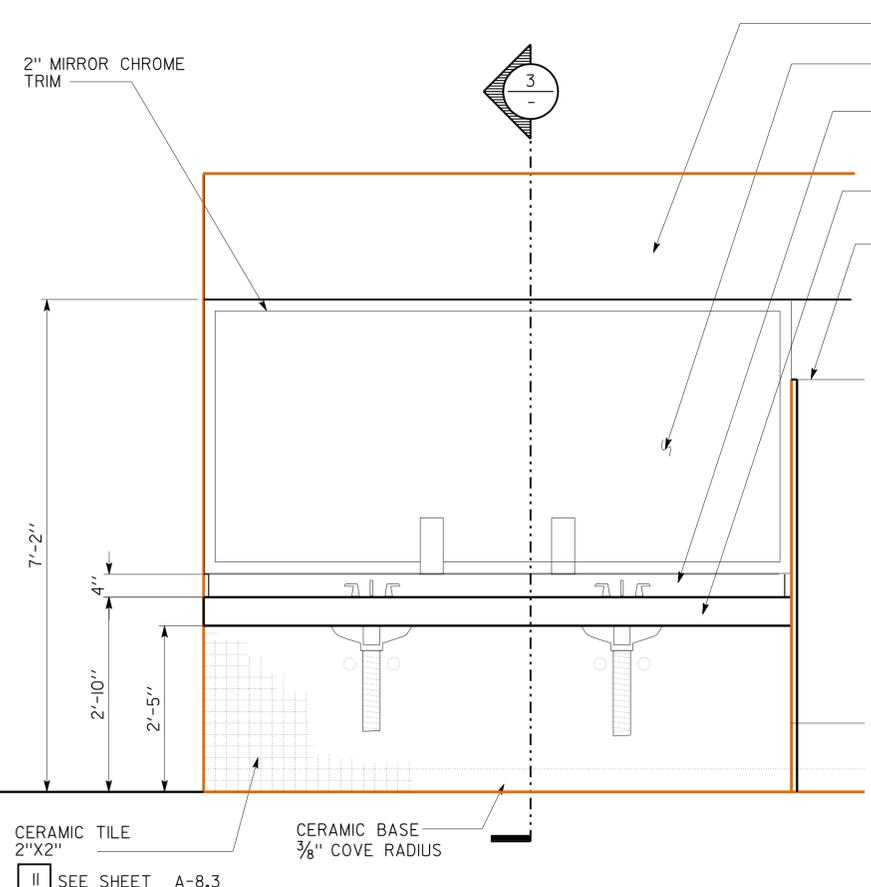


**1 ENLARGED PLAN**  
SCALE 1/2" = 1'-0"  
PLAN NORTH

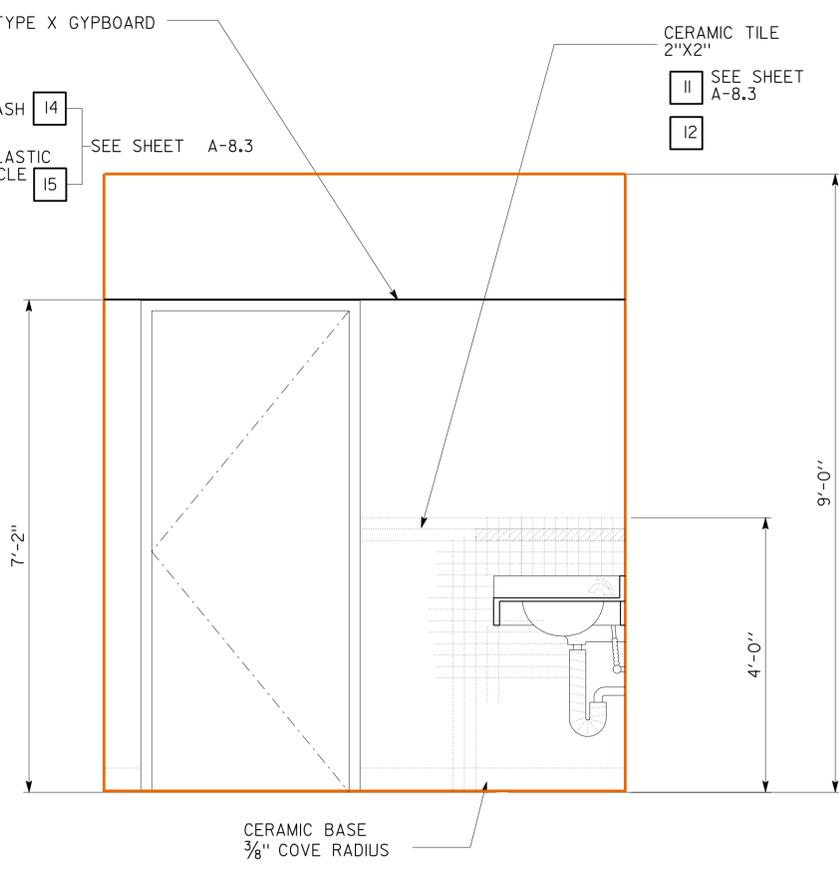
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	DETAILS BY CARLOS SANCHEZ CHECKED <i>[Signature]</i>			POST MILE X	ENLARGED PLAN		A-11
	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU 03140 EA 0300001120	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

10-MAR-2011 11:22

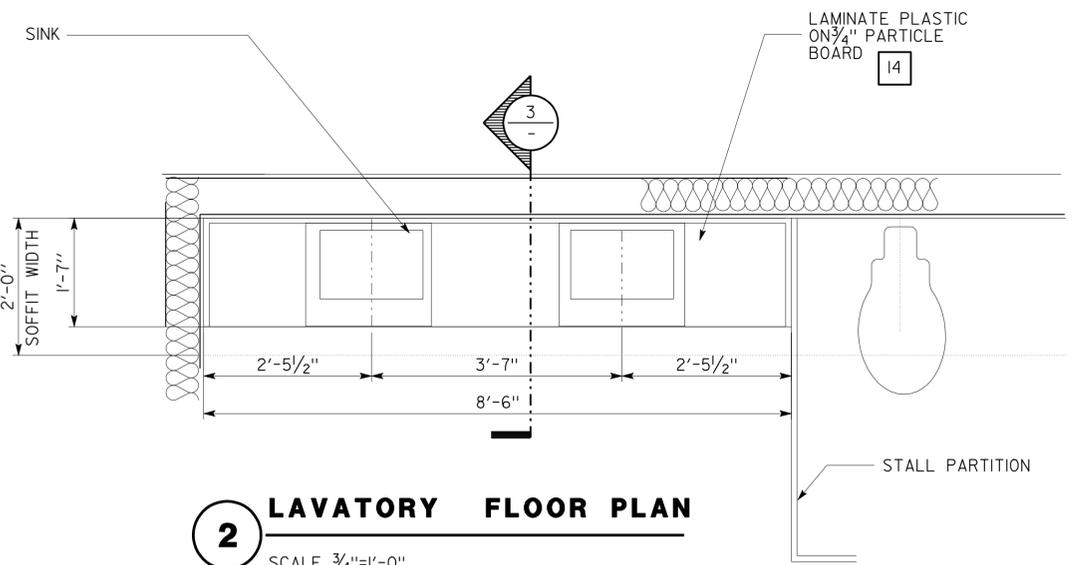
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		35	84
 LICENSED ARCHITECT			 LICENSED ARCHITECT		
3-7-11 PLANS APPROVAL DATE			DATE		
<i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.</i>					



**1 WOMEN'S RESTROOM-ROOM 119**  
SCALE 3/4"=1'-0"



**3 WOMEN'S RESTROOM SECTION-ROOM 119**  
SCALE 3/4"=1'-0"



**2 LAVATORY FLOOR PLAN**  
SCALE 3/4"=1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA  
Reviewed by:   
Date: 12-15-2010

CALIFORNIA STATE FIRE MARSHAL  
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Reviewed by:   
Approval date: 11-18-2010

a12_0 cabdt1s-1.dgn DS OSD Imperial Rev. 10/07 10-MAR-2011 11:22	DESIGN	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS		SHEET OF <b>A-12</b>
	DETAILS	BY CARLOS SANCHEZ	CHECKED <i>DOUG LANE</i>			X	CABINET DETAILS-I		
QUANTITIES	BY	CHECKED				X			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	CU 03140 EA 0300001120	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF X X
						DISREGARD PRINTS BEARING EARLIER REVISION DATES → - -07			

10-MAR-2011 11:22

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		36	84

LICENSED ARCHITECT: *C.A. Sanchez* DATE: \_\_\_\_\_

PLANS APPROVAL DATE: 3-7-11

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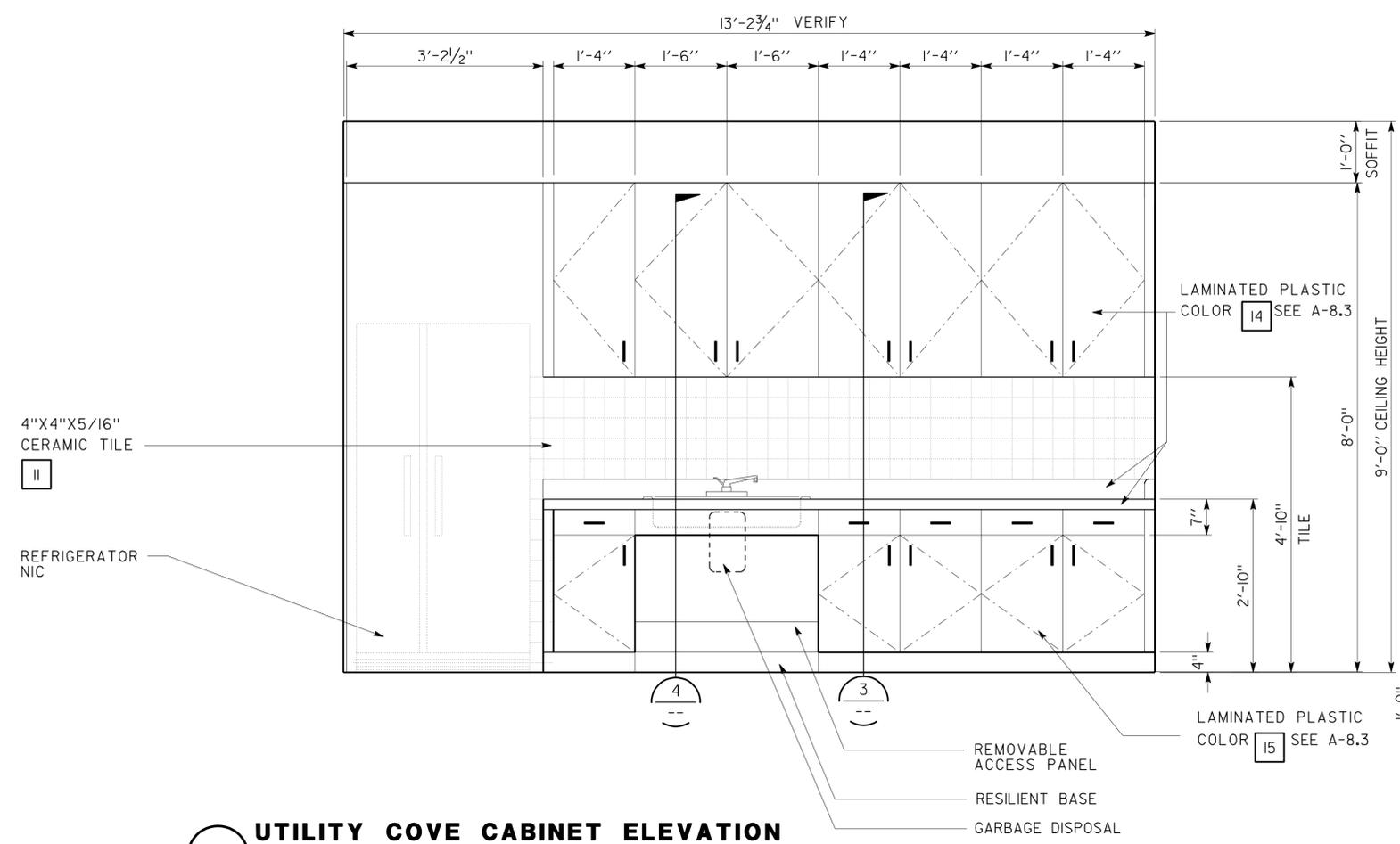


ACCESSIBILITY DESIGN APPROVAL STAMP  
DOT / DES / OTA  
**0300001120**  
DISTRICT - EA

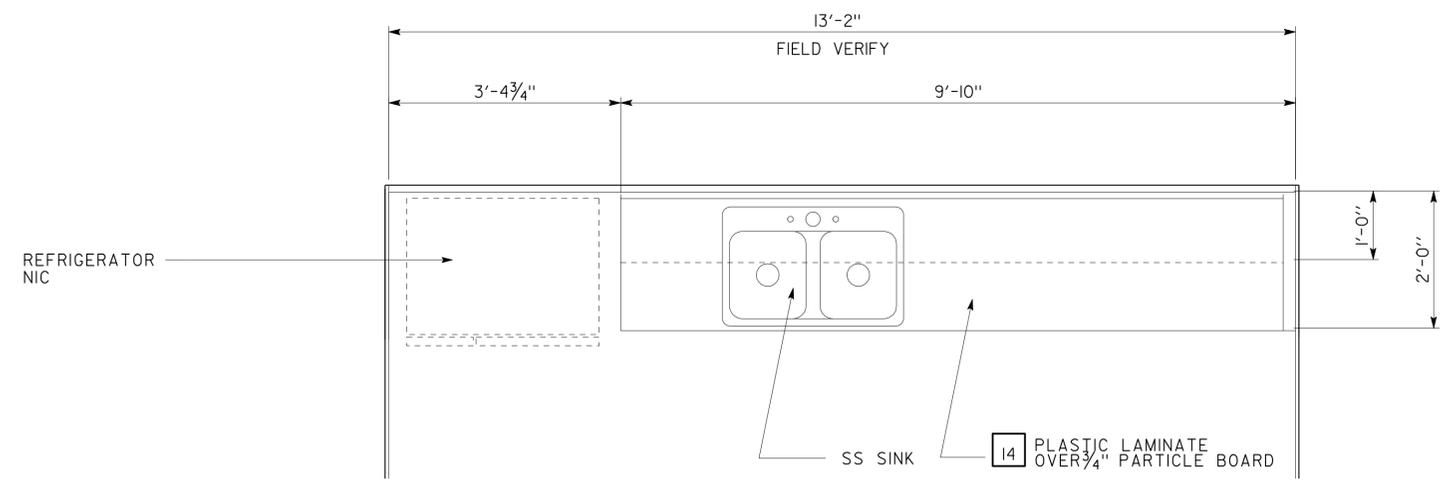
Reviewed by: *[Signature]* Date: 12-15-2010

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.

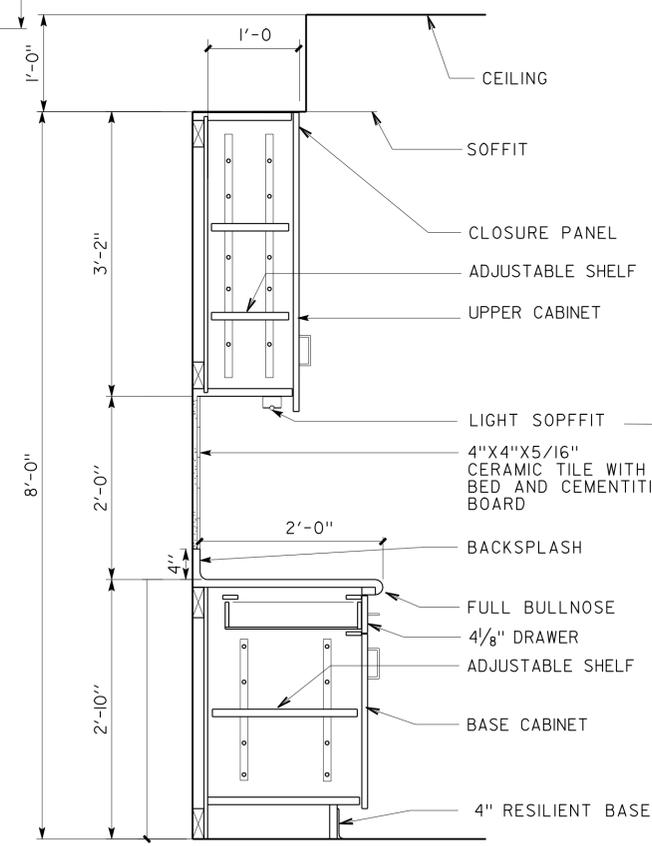
Reviewed by: *[Signature]* Approval date: 11-18-2010



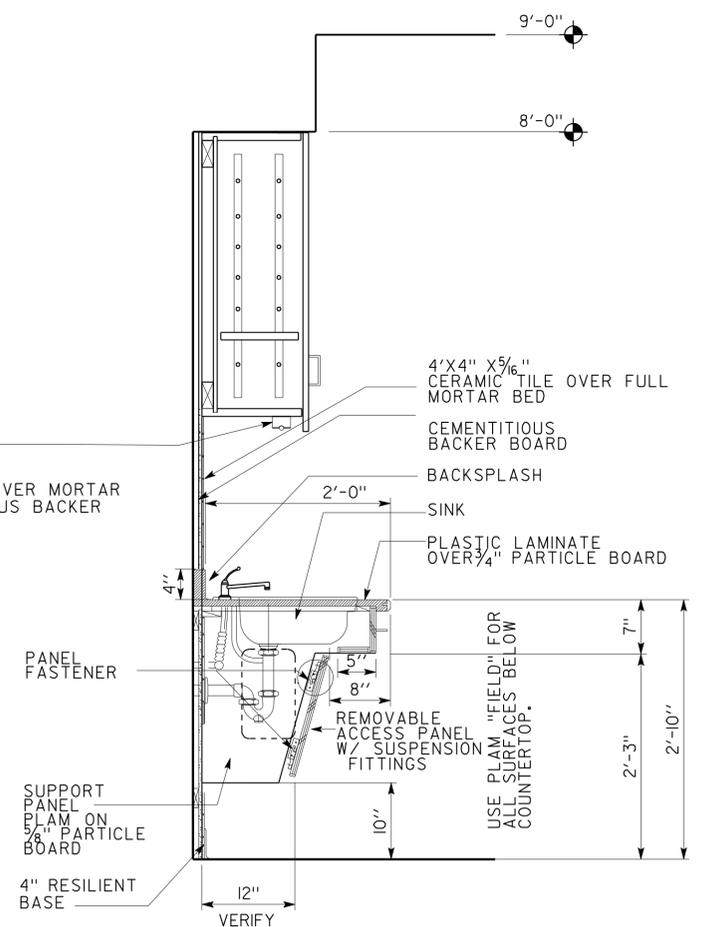
**1 UTILITY COVE CABINET ELEVATION**  
SCALE 3/4"=1'-0"



**2 CABINET FLOOR PLAN**  
SCALE 3/4"=1'-0"



**3 CABINET SECTION**  
SCALE 1"=1'-0"



**4 CABINET SECTION**  
SCALE 1"=1'-0"

DESIGN	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
DETAILS	BY CARLOS SANCHEZ	CHECKED <i>[Signature]</i>
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

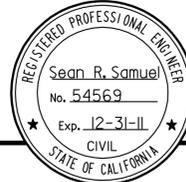
BRIDGE NO.	X
POST MILE	X

**NORTHGATE MS CREW QUARTERS**  
CABINET DETAILS-2

SHEET **A-12.1**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		37	84

 REGISTERED CIVIL ENGINEER	12-09-10 DATE	
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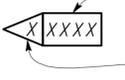
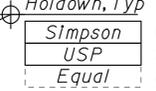
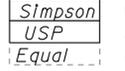
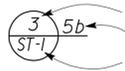
3-7-11  
PLANS APPROVAL DATE

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

**SYMBOLS**

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

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

TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET <b>ST-1</b>
					POST MILE		
UNIT PROJECT NUMBER & PHASE			3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 06-16-10	SHEET OF

10-MAR-2011 13:25 st\_01.dgn

A

FRAMING NOTES

- Dimensions are typically shown to face of stud for exterior walls, to centerline of stud at interior walls, and to centerline of openings. Vertical dimensions are typically shown from rough floor or slab to top of plate or to underside of lintels. Dimensions shown as "clear" are from surface to surface.
- Bearing, shear and exterior walls shall be sheathed with 3/8" structural plywood sheathing.
- All roofs shall be sheathed with 5/8" structural plywood sheathing.
- Plywood for floors and roofs shall be placed face grain perpendicular to supports. Where possible, plywood shall be placed in full sheets and staggered one-half sheet length. Any partial plywood sheet shall not be less than 2'-0" in length or width unless fully blocked. Plywood for wainscots, siding and wall sheathing may be placed parallel to framing and with the C-C plugged face exposed. See Detail 2, sheet ST-1B.
- All wood members shall be Douglas Fir-Larch (DF) quality grade stamped. Grade stamps shall indicate compliance with the grading requirements of WWP, WCLIB or other approved lumber inspection agency.
- Structural plywood sheathing shall be APA grade stamped plywood conforming to Voluntary Product Standard PSI, Grade C-D, Exposure 1. Thickness and span rating shall be as shown on the plans.
- Wood grades (unless otherwise noted):
  - For horizontal members:
 

Joists & Rafters	Grade #2
Beams & Stringers	Grade #1
Ledgers	Grade #1
  - For vertical members:
 

2"x4" Studs	Construction Grade
2"x6" & larger studs	Grade #2
Posts & Timbers	Grade #1
  - Glue laminated beams:
 

Simple spans	24F-V4 DF/DF
Canthlevers & Continuous	24F-V8 DF/DF
- Glue laminated members shall be engineered, stress rated and factory laminated with adhesive for wet use.
- Exposed members shall be "architectural appearance" grade and non-exposed members shall be "industrial appearance" grade.
- All wood in direct contact with concrete or masonry shall be pressure treated Douglas Fir-Larch.
- Joists framed into the side of wood girders shall be supported by joist hangers.
- Joists shall be supported laterally at the ends and at each support by solid blocking or other approved means except where the ends of joists are nailed to a header, band or rim joist or to an adjoining stud. Solid blocking shall not be less than 2"x in thickness and the full depth of the joist.
- Joists and roof rafters 1'-0" or deeper shall have full depth 2"x thick solid blocking at 8'-0" maximum spacing.
- Provide 2"x blocking to secure fixtures shown on the project plans.
- Joists under and parallel to bearing walls shall be doubled.
- When there are multiple holes and notches in one structural element or when there are holes and notches occurring in more than two consecutive structural elements, the Engineer's approval is required, unless the details are shown on plans.
- Notches or cuts in bearing or shear wall studs may be to a depth not exceeding 25% of its width. Wood studs in non-bearing and non-shear walls supporting only their weight may be notched or cut to a depth not greater than 40%. (See note 16 above).
- Bored hole diameters shall not exceed 40% of the stud width in bearing walls and 60% in non-bearing walls. The top plates may not be bored or cut, without the Engineer's approval. Neither bearing nor shear wall top plates may be bored greater than 40%, unless detailed on the plans. Holes shall not be closer than 5/8" to the edge of the stud. (See note 16 above)
- When it is necessary to cut the sole plate, sill plate or wood stud for plumbing, heating or other pipes, a 1/16" thick x 1/2" wide galvanized metal stud shoe plate shall be fastened w/6-16d to the plate across the opening.
- Equivalent metal bridging or ties may be submitted to the Engineer for approval.

B

MINIMUM NAILING SCHEDULE

- All structural nailing shall be common wire. Alternate fasteners may be substituted as approved by the Engineer.
- For wood to wood joints, the spacing of nails shall not be less than the required nail penetration. Edge or end distances shall not be less than 1/2 the required nail penetration. Where pre-drilling is required to avoid splitting of the wood, the hole diameter shall not exceed three-fourths of the nail diameter.
- Nailing not noted below or on the project plans shall be a minimum of 2 nails at each contact, 8d for 1"x members and 16d for 2"x members.
- Joists or Rafters:
  - Bearing (sill, girder, top plate) Toe Nail 3-8d
  - Laps (parallel members over walls or beams) Face Nail 4-16d  
For each additional 3" member depth beyond 6" member add 2-16d
  - Rim Joist to floor Joist, End Nail 2-16d  
For each additional 4" member depth beyond 8" member add 1-16d
  - Rim Joist to top plate, Toe Nail 8d @ 6" OC
  - Double Joists under bearing walls, staggered Face Nail 16d @ 1'-0" OC
- Studs:
  - Double studs, Face Nail 16d @ 2'-0" OC
  - Top plate to stud, End Nail 2-16d
  - Stud to sole plate, Toe Nail 3-16d or 4-8d
  - Sole plate to stud, End Nail 2-16d
  - Stud to continuous header, Toe Nail 3-16d or 4-8d
  - Built-up corner studs, Face Nail 16d @ 2'-0" OC
- Plates:
  - Top plate doubled, Face Nail 16d @ 1'-4" OC
  - Top plate intersection, Face Nail 2-16d
  - Sole plate to rim joist or blocking, Face Nail 16d @ 1'-4" OC
  - Sole plate to floor framing, Face Nail 16d @ 1'-4" OC
- Blocking:
  - To studs, joists or rafters, Toe Nail 3-16d or 4-8d  
or End Nail 2-16d  
For each additional 4" member depth beyond 8" member add, Toe Nail 2-8d  
or End Nail 1-16d
  - To plates, Toe Nail 16d @ 1'-0" OC
- 2" Subfloor to each joist or girder one blind and one Face Nail. 2-16d
- Structural Plywood Nailing:
  - Spacing at subflooring, decking, roof and wall structural plywood sheathing to framing:
 

LOCATION	3/8" Plwd	7/16" - 1" Plwd
At supported edges (edge nailing) & over bearing (beams, girders, walls, etc.)	8d @ 6" OC	10d @ 6" OC
At intermediate supports (field nailing)	8d @ 6" OC	10d @ 1'-0" OC
Where bearing is 4'-0" or greater (field nailing)	_____	10d @ 6" OC
  - Structural plywood edge nailing shall be staggered at supports, Detail 2, Sheet ST-1B; at double plates, Detail 3, Sheet ST-1B; and at double studs located at wall intersections and corners, Details 9A and 9B, Sheet ST-1B.
  - Decking and Underlayment: Use deformed shank nail (see Sheet ST-1B for nail size and spacing)
  - Panel siding to framing: Use zinc coated nail (see Sheet ST-1B for nail size and spacing)
- Finish Plywood Nailing (non-structural):
  - Finish plywood to framing where the thickness is 1/2" or less:
    - Finish nail at supported edges (edge nailing) 6d @ 6" OC
    - Finish nail at intermediate supports (field nailing) 6d @ 1'-0" OC
- Gypsum Sheathing (Structural):
  - Wall structural gypsum board sheathing to framing where the thickness 5/8" or less:
    - Cooler nail, parker nail or wallboard nail with a flat or concave head and diamond point at all edges and intermediate supports (field nailing) 6d @ 4" OC

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		38	84

REGISTERED CIVIL ENGINEER *Sean Samuel* DATE 12-09-10

REGISTERED PROFESSIONAL ENGINEER *Sean R. Samuel* No. 54569 Exp. 12-31-11 CIVIL STATE OF CALIFORNIA

3-7-11 PLANS APPROVAL DATE

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C

MECHANICAL FASTENER NOTES

- The clearance holes for lag screw shanks shall be the same diameter and depth as the unthreaded shank. The lead hole for the threaded portion shall be of a diameter equal to 60% of the shank diameter for screws up to 1/2" diameter, and 75% of the shank diameter for larger lag screws. The lead hole shall be at least the length of the threaded portion.
- Lag screws shall be turned into pre-drilled holes and not be driven.
- All bolts and lag screws shall be tightened and retightened before closing in, or at completion of job.
- All bolts and lag screws shall be provided with metal washers under heads and nuts which bear on wood.

MINIMUM WASHER FOR BOLTS & LAG SCREWS		
Size	Malleable Iron Washer	Steel Plate Washer
1/2" Ø	2 1/2" Ø x 5/16"	2" x 2" x 1/4"
5/8" Ø	2 3/4" Ø x 5/16"	2" x 2" x 1/4"
3/4" Ø	3" Ø x 7/16"	2" x 2" x 1/4"
7/8" Ø	3 5/16" Ø x 3/8"	3" x 3" x 1/4"
1" Ø	4" Ø x 1/2"	3" x 3" x 1/4"

Place under Bolt Heads & Nuts bearing on Wood

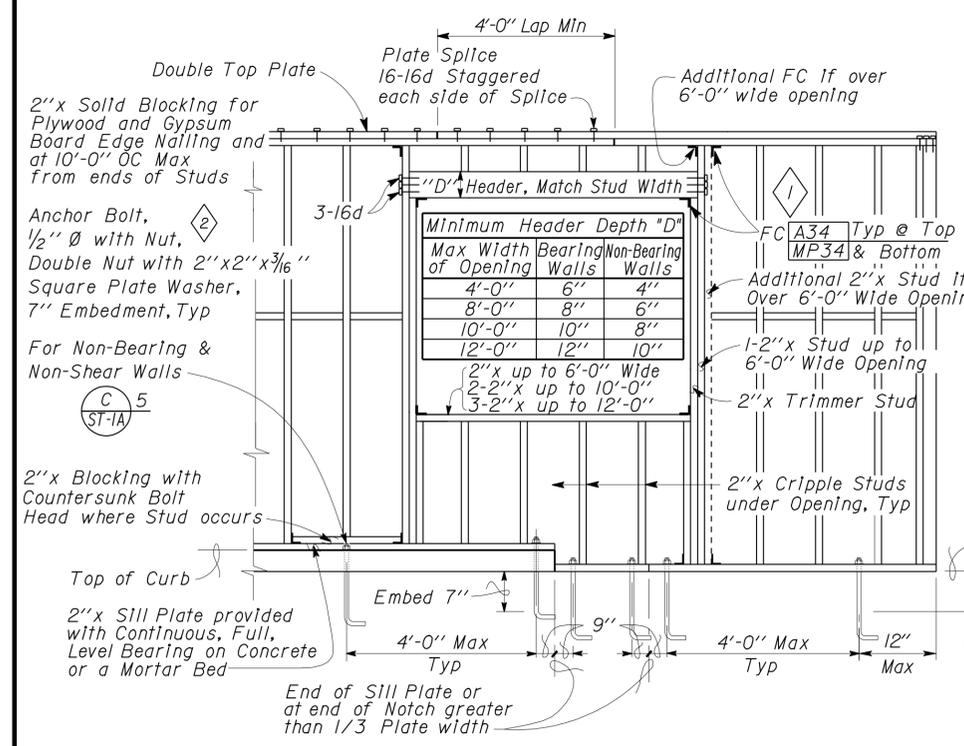
- Fastener alternatives for non-bearing and non-shear walls: Two minimum per member and at 9" from ends.
  - 1/8" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
  - 1/4" Ø expansion anchorage device embedded 1 1/2" minimum at 2'-0" OC.
  - 1/2" Ø anchor bolt with 2 1/2" embedment @ 4'-0" OC.
- Equivalent mechanical fasteners may be submitted to the Engineer for approval.

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

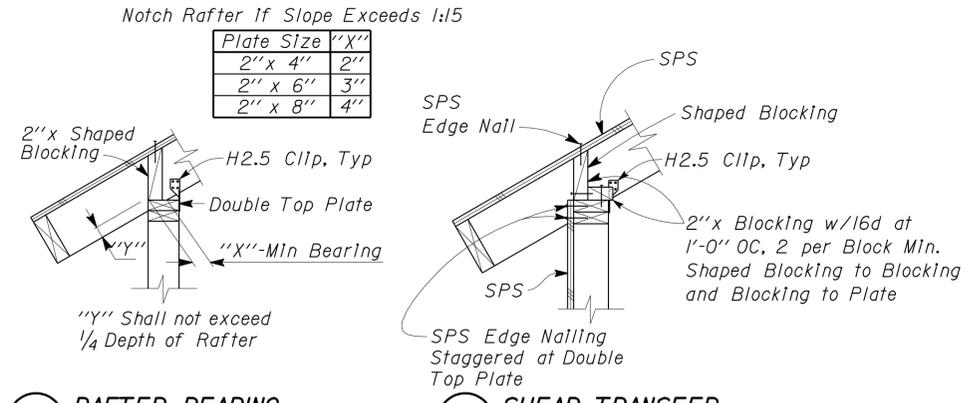
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DRAWING DATE 1-04	DETAILS BY <i>Peter von Savoy</i>	CHECKED <i>Sean Samuel</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	STRUCTURAL DESIGN	POST MILE	WOOD FRAMING STANDARD - NOTES	
TAEMWW Imperial Rev. 7/10				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

10-MAR-2011 11:26

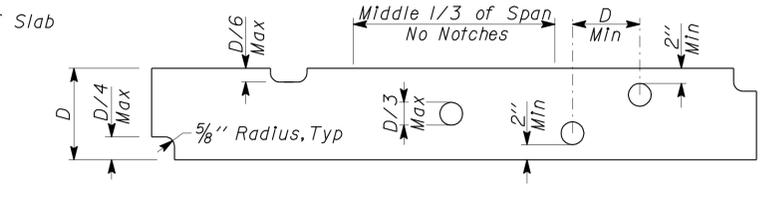
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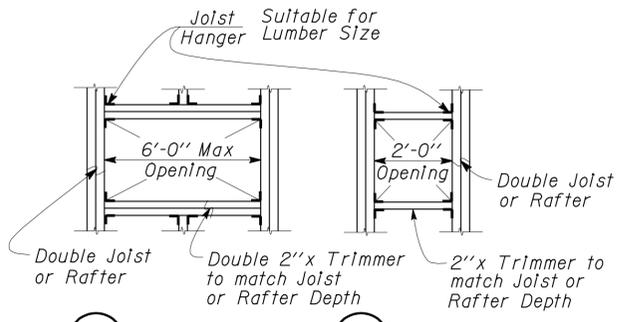
**1 TYPICAL WALL AND OPENING FRAMING**  
No Scale



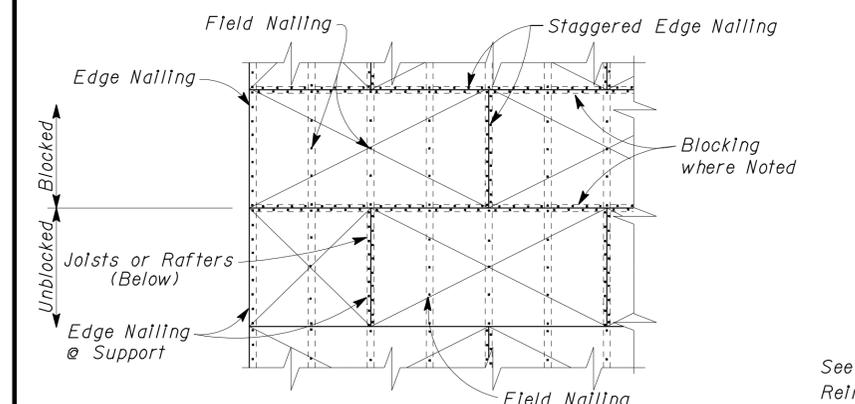
**5A RAFTER BEARING**  
**5B SHEAR TRANSFER**  
**5 EXTERIOR WALL TOP PLATE DETAIL**  
No Scale



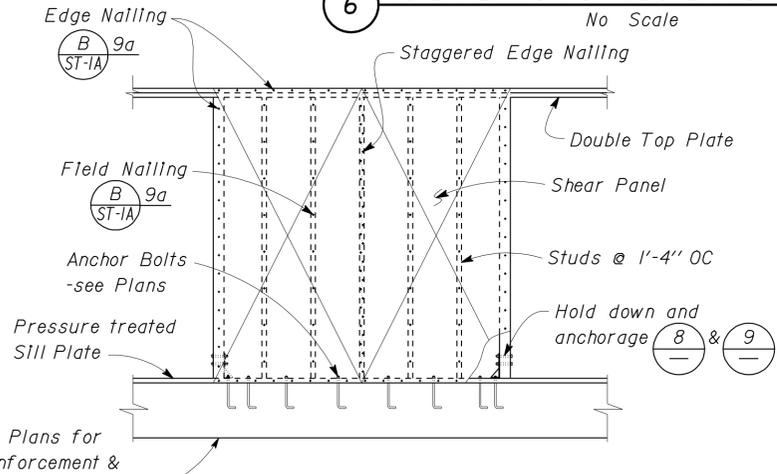
**6 NOTCH LIMITS FOR JOISTS AND HEADERS**  
No Scale



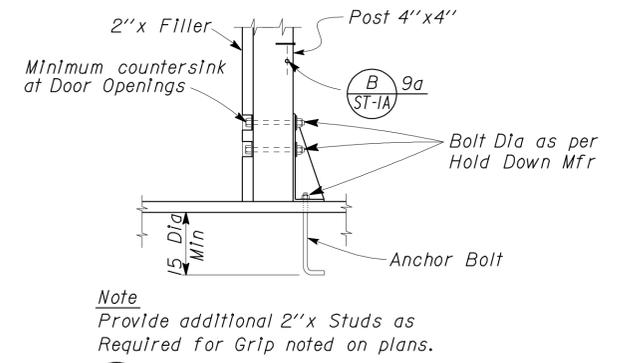
**7A**  
**7B**  
**7 FRAMING AT OPENINGS**  
No Scale



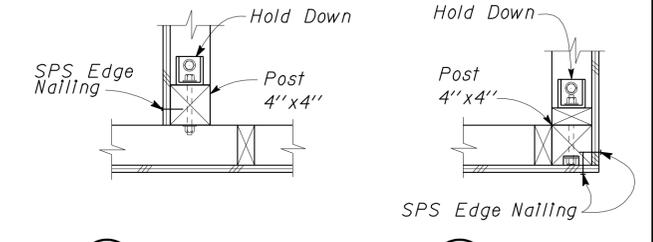
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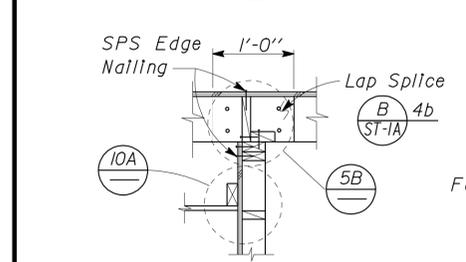
**3 SHEAR WALL ELEVATION**  
No Scale



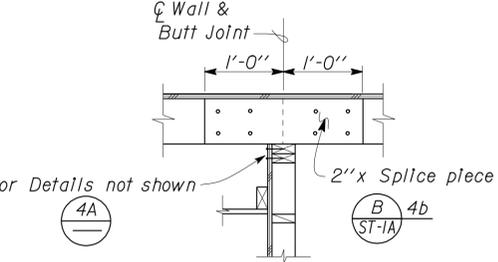
**8 INTERIOR HOLD DOWN**  
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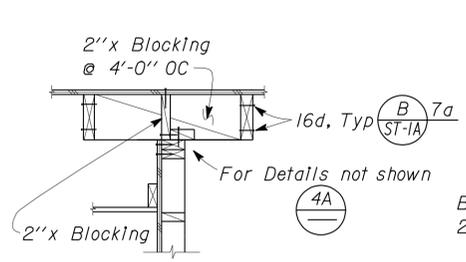
**9A INTERSECTION**  
**9B CORNER**  
**9 INTERIOR AND CORNER WALL FRAMING DETAILS**  
No Scale



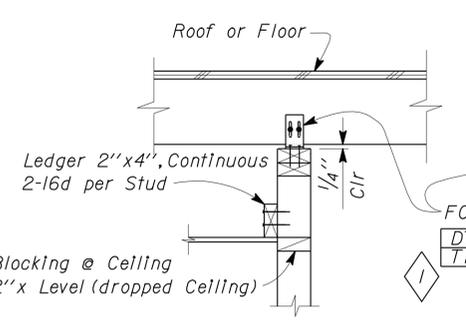
**4A LAP SPLICE AT WALL**



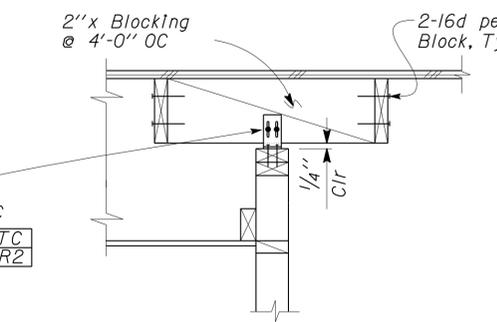
**4B BUTT SPLICE AT WALL**



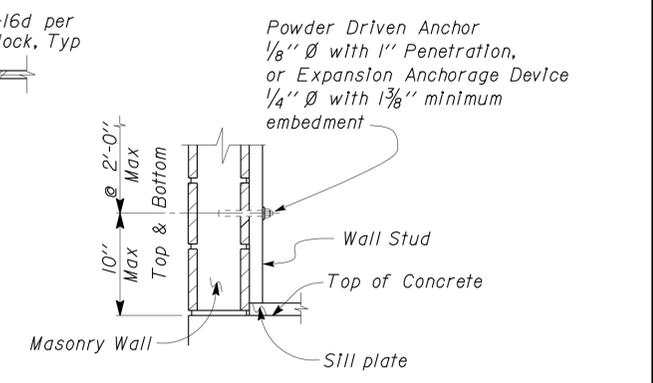
**4C JOISTS PARALLEL TO WALL**



**10A ACROSS JOISTS**



**10B PARALLEL TO JOISTS**



**11 STUD ANCHORAGE TO MASONRY**  
No Scale

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

FILE NO. XS-25-5-I	DESIGN BY <i>Sean Samuel</i>	CHECKED BY <i>Joe F. ...</i>	APPROVED BY <i>RE Travis</i>
DRAWING DATE <b>1-04</b>	DETAILS BY <i>Peter F. von Sawoy</i>	CHECKED BY <i>...</i>	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Samuel</i>		DESIGN ENGINEER	

- 1 Revision - 11-02-2006 Updated USP connector ID.
- 2 Anchor Bolt size & definition.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.  
POST MILE

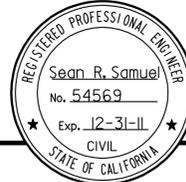
**NORTHGATE MS CREW QUARTERS**

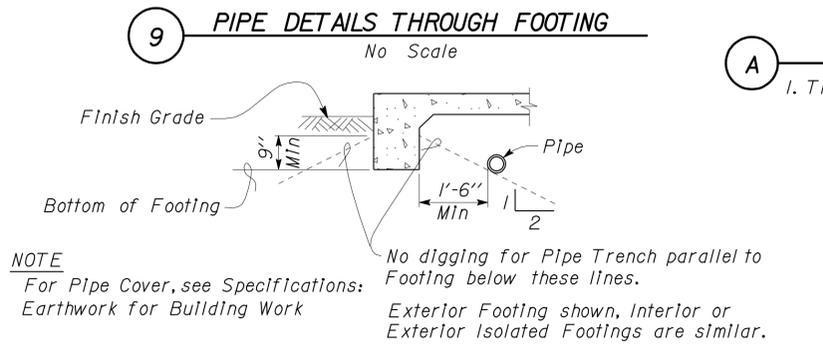
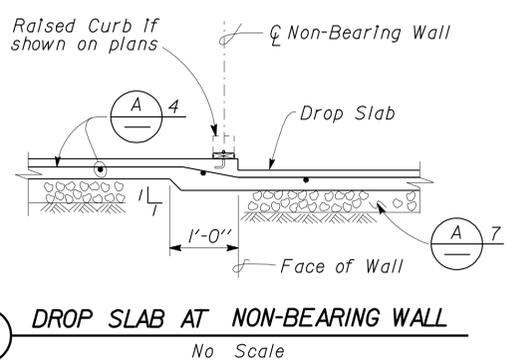
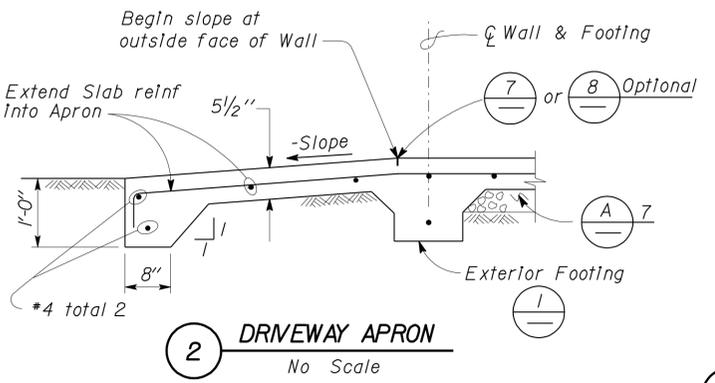
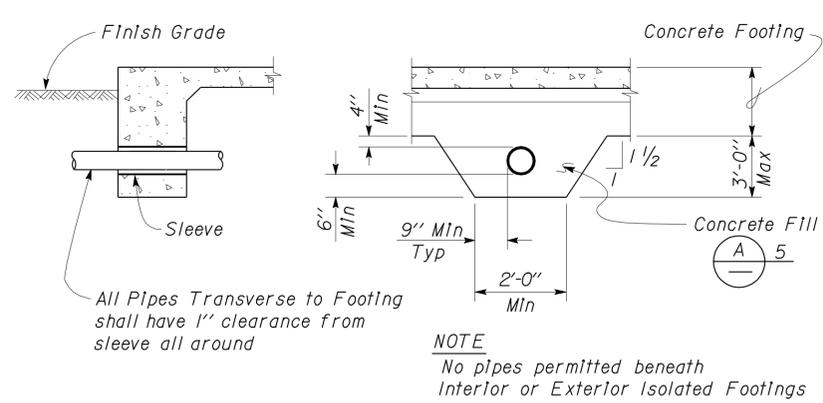
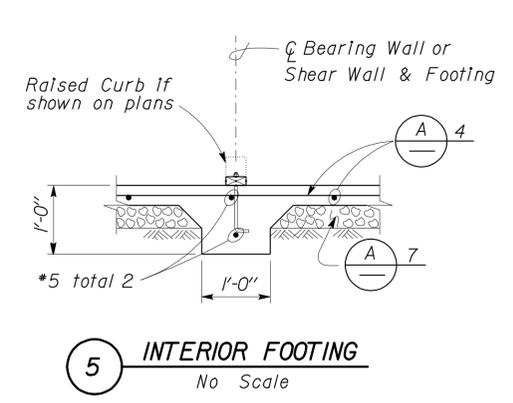
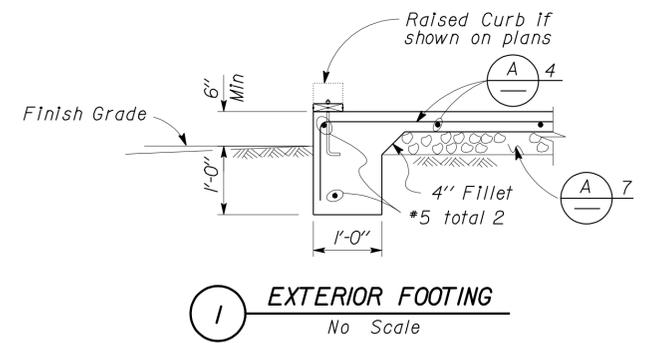
WOOD FRAMING STANDARD - DETAILS

SHEET **ST-1B**

REVISION DATES (PRELIMINARY STAGE ONLY)

10-16-03	11-14-05	11-02-06	01-15-08	05-07-09	07-13-10
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		40	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 PLANS APPROVAL DATE					
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**A CONCRETE NOTES**

1. The following minimum concrete cover shall be provided for reinforcement.

	Minimum Cover
a. Concrete cast against and permanently exposed to earth	3"
b. Concrete exposed to earth or weather but cast in forms:	
*6 thru *18 bars	2"
*5 bar and smaller, W31 or D31 Wire, and smaller	1 1/2"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
*14 and *18 Bar	1 1/2"
*11 Bar and smaller	3/4"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1 1/2"

2. Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller shall have a lap of 45 diameters and the splices in adjacent bars shall not be less than 5'-0" apart.

Continuous Bars in spandrels, Wall Beams, etc. shall lap Top Bars at center of span and Bottom Bars at supports.

3. Contraction Joints and Control Joints shall divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing shall not exceed 15'-0".

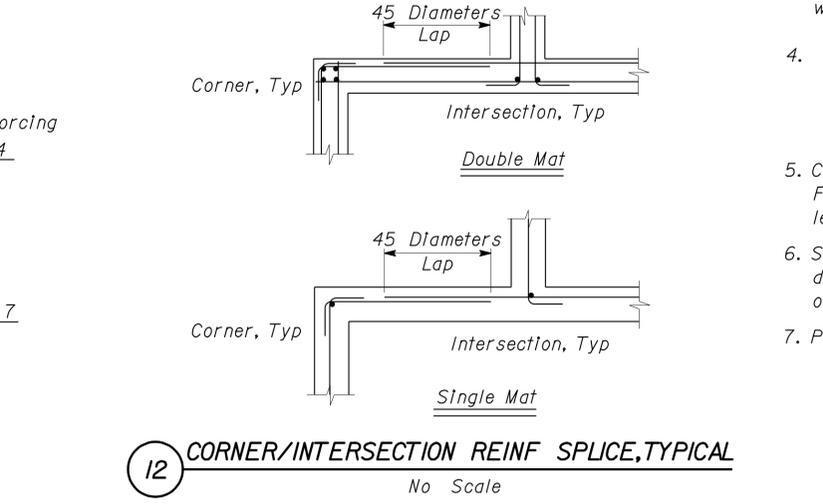
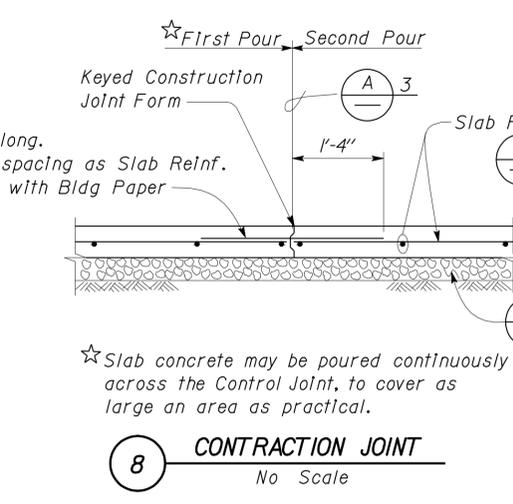
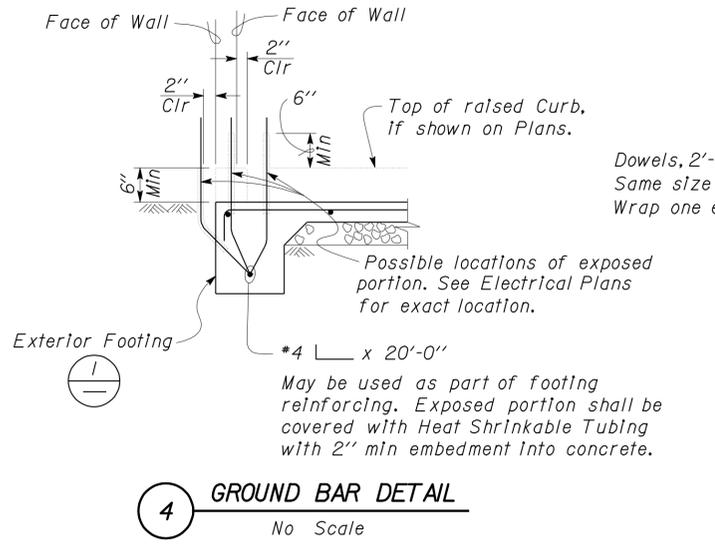
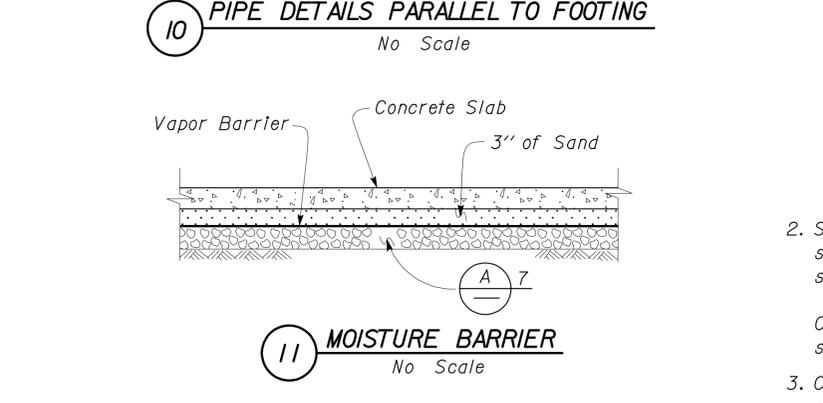
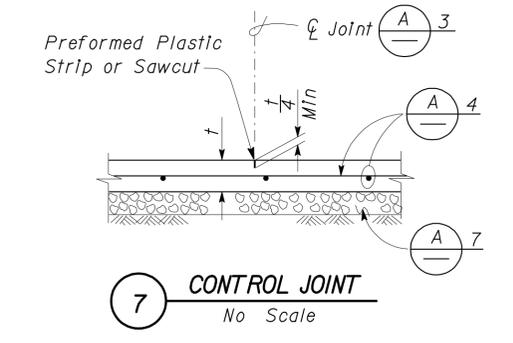
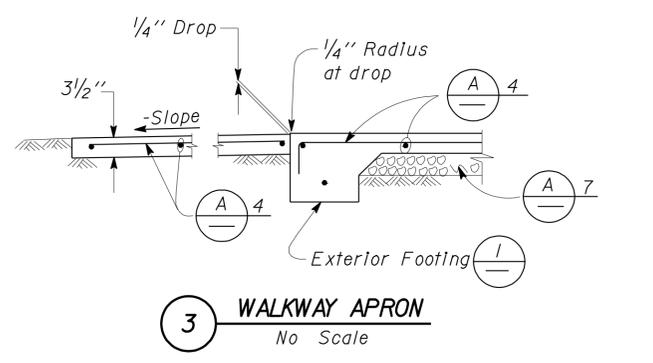
4. Slab Thickness (t)      Reinforcement

3 1/2"	*3 @ 18 Each way, place in center of Slab
5 1/2"	*4 @ 18 Each way, place in center of Slab

5. Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.

6. See Mechanical and Architectural Plans for size and locations of pipe, vents, ducts and other similar openings. See Electrical Plans for conduits and outlet boxes in floors, walls, etc.

7. Place 4" of free draining granular material under slabs.



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

FILE NO. XS-25-1	DESIGN BY Sean Samuel	CHECKED Joe Colton	APPROVED R.E. Brown	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY Peter F. von Davy	CHECKED [Signature]	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	CONCRETE STANDARD	
TAEMWW Imper-ial Rev. 7/10	SUBMITTED BY Sean Samuel, DESIGN ENGINEER			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 1-16-04 06-09 07-13-10	SHEET OF

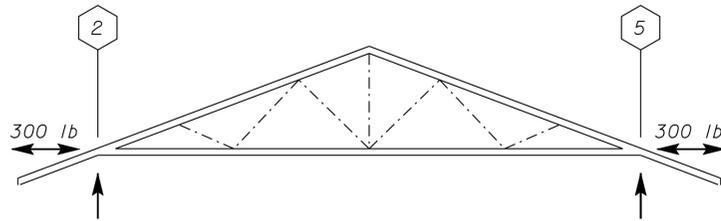
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		41	84

Sean Samuel  
 REGISTERED CIVIL ENGINEER  
 DATE 12-09-10

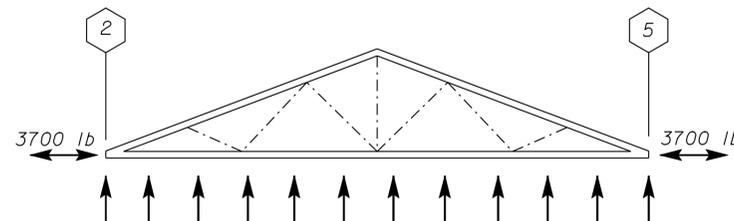
3-7-11  
 PLANS APPROVAL DATE

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.

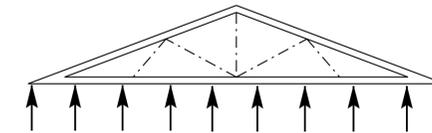
REGISTERED PROFESSIONAL ENGINEER  
 Sean R. Samuel  
 No. 54569  
 Exp. 12-31-11  
 CIVIL  
 STATE OF CALIFORNIA



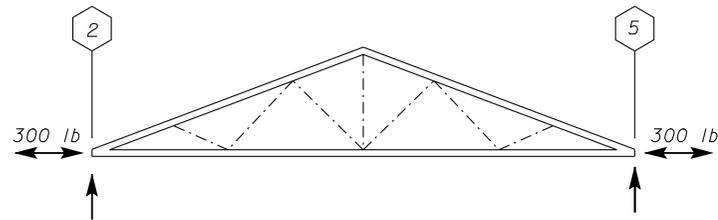
1 COMMON TRUSS A  
No Scale



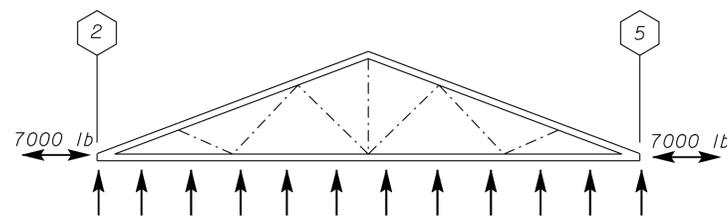
4 COLLECTOR TRUSS A  
No Scale



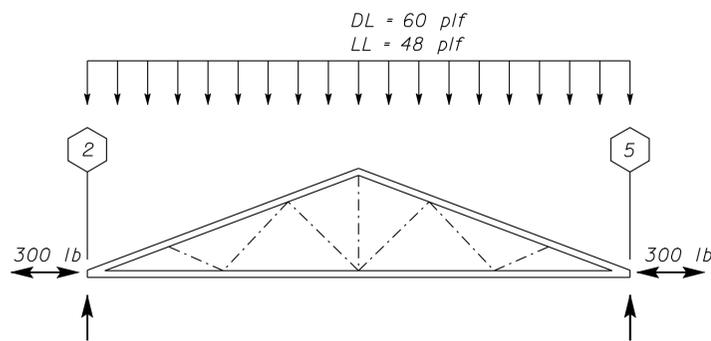
7 OVERBUILD TRUSS  
No Scale



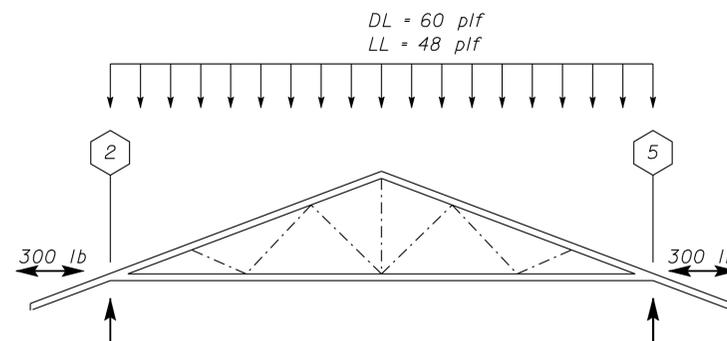
2 COMMON TRUSS B  
No Scale



5 COLLECTOR TRUSS B  
No Scale



3 GIRDER TRUSS A  
No Scale



6 GIRDER TRUSS B  
No Scale

A PRE-ENGINEERED TRUSS REQUIREMENTS

LOADS:

	Dead Load	Live Load
Top Chord (Roof):	20 PSF	16 PSF
Bottom Chord (Ceiling):	10 PSF	10 PSF (Non-Concurrent)
Wind Uplift @ Eave:	20 PSF	

☆ Suspended (Drop) Ceiling

- Deflection:  
Live Load ----- L/360  
Total Load ----- L/240
- Camber Shall be 1.5 Times Dead Load Deflection
- Top and Bottom Truss Chords shall be a minimum grade of DF No.1 and 2 x 6 minimum size, Unless Otherwise Noted.  
Truss Webs shall be a minimum grade of DF No.2 and 2 x 4 minimum size, Unless Otherwise Noted.
- Truss hangers for Jack to Girder Truss per truss manufacturer specifications.



- Brace bottom chord of trusses to provide permanent lateral bracing as per truss manufacturer specifications.
- Collector Truss and Girder Truss shall be 2-ply minimum

DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE

NORTHGATE MS CREW QUARTERS  
PRE-ENGINEERED TRUSS NOTES AND DETAILS

SHEET ST-3 OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		42	84


  
 REGISTERED CIVIL ENGINEER      DATE 12-09-10

3-7-11  
PLANS APPROVAL DATE

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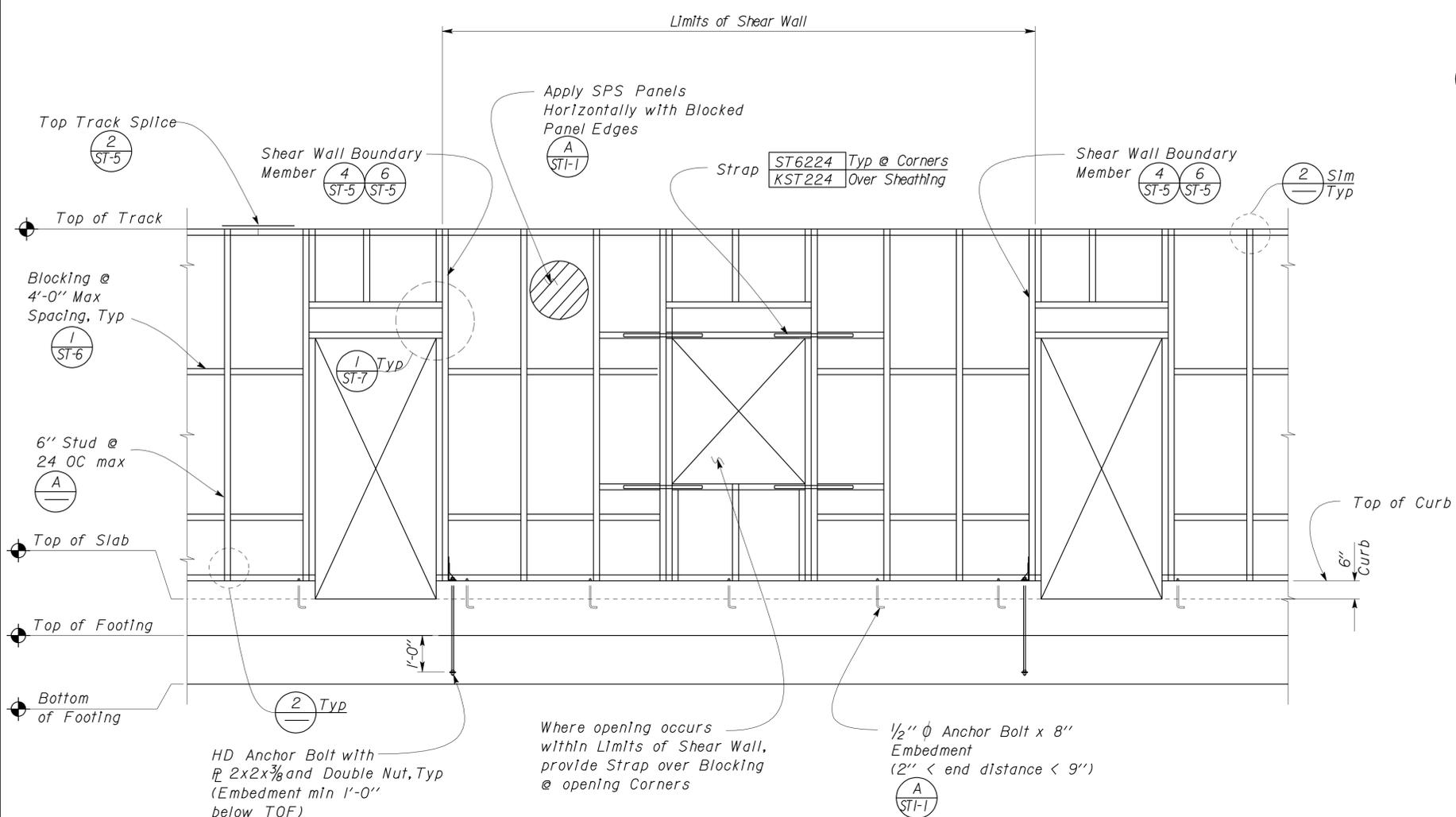
**A COLD FORMED STEEL SECTIONS**

LOCATION	ITEM	SECTION
6" Bearing Walls	Stud	600S200-54
	Track	600T200-54
	Blocking	600T200-54
Partition Walls	Stud	400S162-43
	Jolst	600S162-43
	Track	400T150-43
	Slip Track	400SLT250-43
	Blocking	400T150-43
Plumbing Wall	Stud	600S162-43
	Track	600T162-43
Roof	Blocking	250SI37-54
Header Span < 6'-0"	Jolst	600S200-68
Header Span > 7'-0"	Jolst	1000S200-68
Header	Track per Wall Schedule above.	

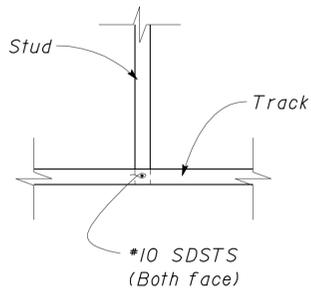
- Section designations shall conform to the Steel Stud Manufacturer's Association nomenclature described in ICBO ER-4943P
- Framing screws shall be #10 Wafer Head, Self-Drilling, Self-Tapping Screws with a Min Head Dia of 5/16".
- Penetration of Screws through Joined Materials shall not be Less than 3 Exposed Threads. Screws shall be installed and tightened in accordance with Screw Manufacturer's Instructions.
- All sections except Studs shall be unpunched.

**B GENERAL WALL NOTES**

- Panel Screws shall be Wafer Head Self-Drilling Self-Tapping #8 x 1" with a minimum head diameter of 5/16". Maximum Spacing is to be 6" at Panel Edges and 12" at Intermediate Supports. Minimum 3/8" from panel edges.
- All screws to be ICBO approved, subject to approval by the Engineer.
- For Anchor Bolt requirements, See ST-1-I.
- Shear Wall Panels shall be 7/16" OSB, Exposure 1 with 32/16 Span Rating.
- Studs shall not be spliced.
- All Exterior Walls shall be Blocked @ 4'-0" OC.
- All Panel Edges shall be Blocked.
- See Individual structures for Cold-Formed Steel Section and Hold-Down Requirements.



**1 TYPICAL BEARING/SHEAR WALL**  
No Scale



**2 STUD TO TRACK CONNECTION**  
No Scale

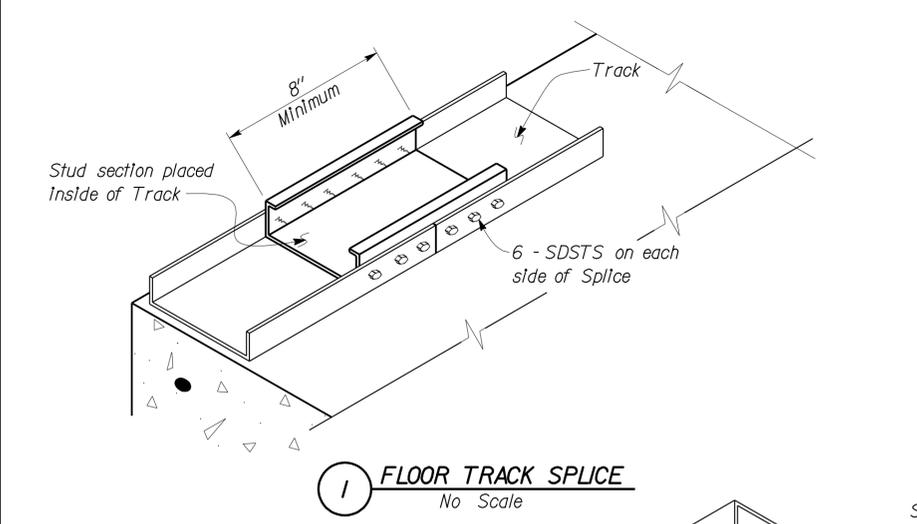
DESIGN BY Justin Uyehara	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET
				POST MILE		COLD FORMED STEEL FRAMING AND NOTES
DETAILS BY Justin Uyehara	CHECKED Joseph Camilleri	UNIT PROJECT NUMBER & PHASE 3140 03000011201	EA 1F4301	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				

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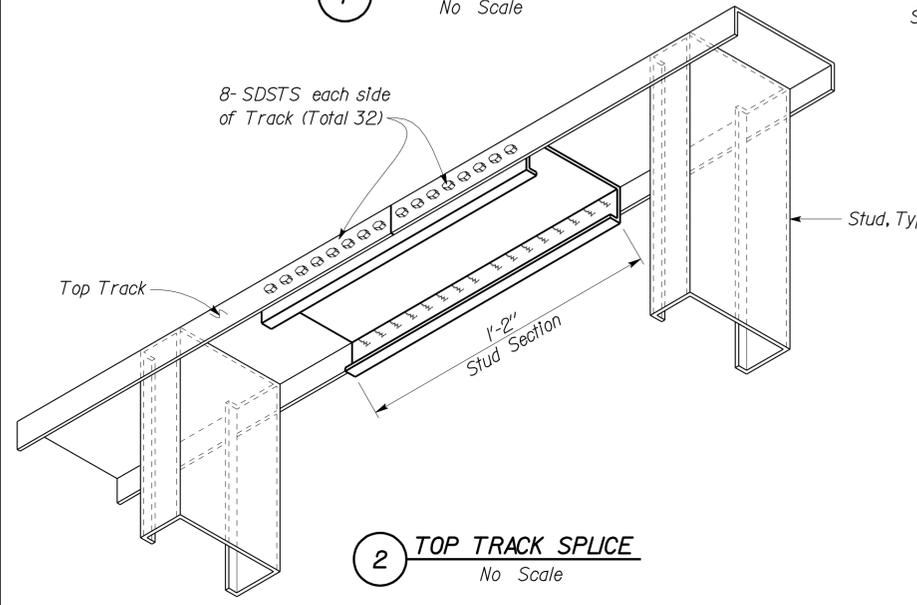
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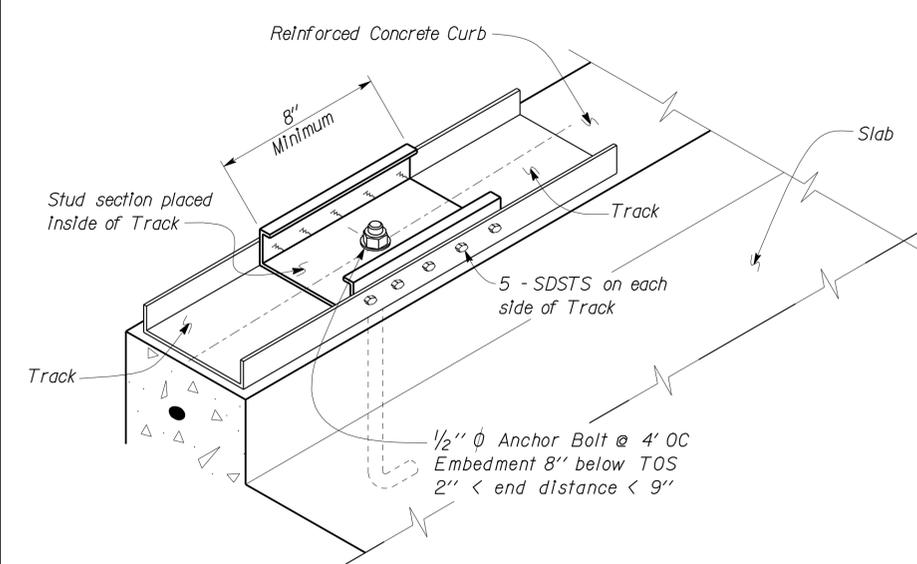
	12-09-10 REGISTERED CIVIL ENGINEER DATE
3-7-11 PLANS APPROVAL DATE	
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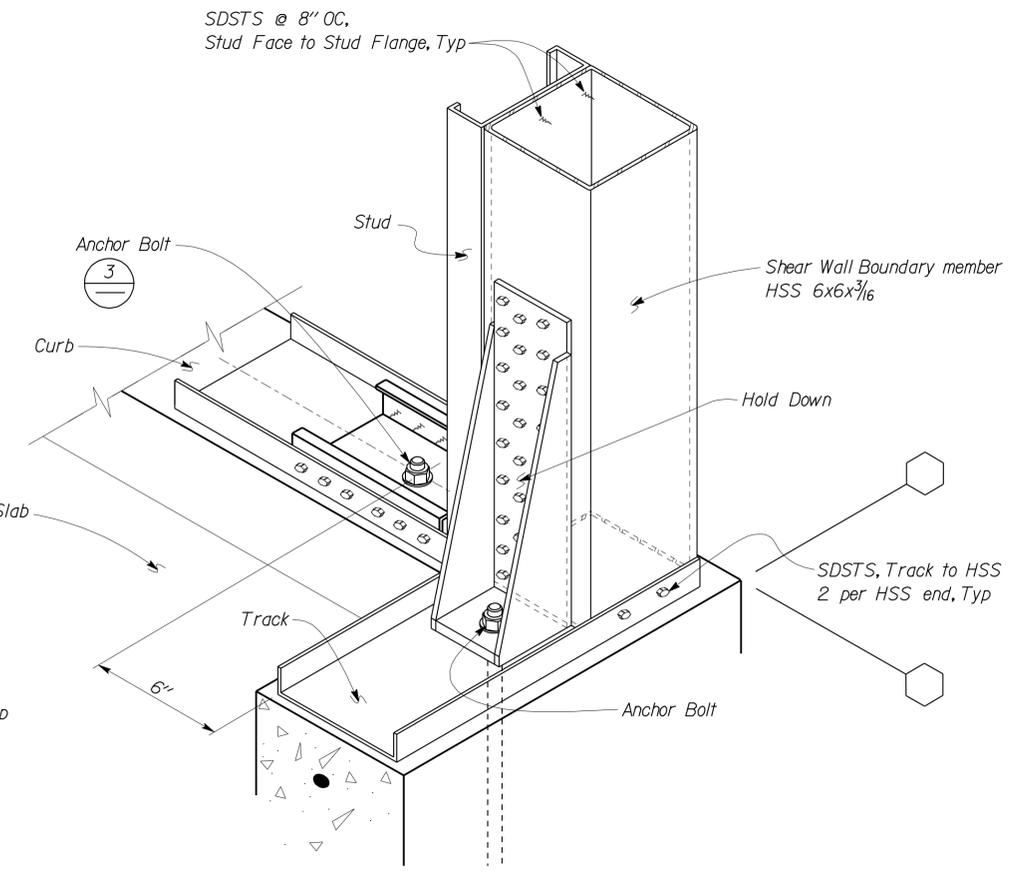
**1 FLOOR TRACK SPLICE**  
No Scale



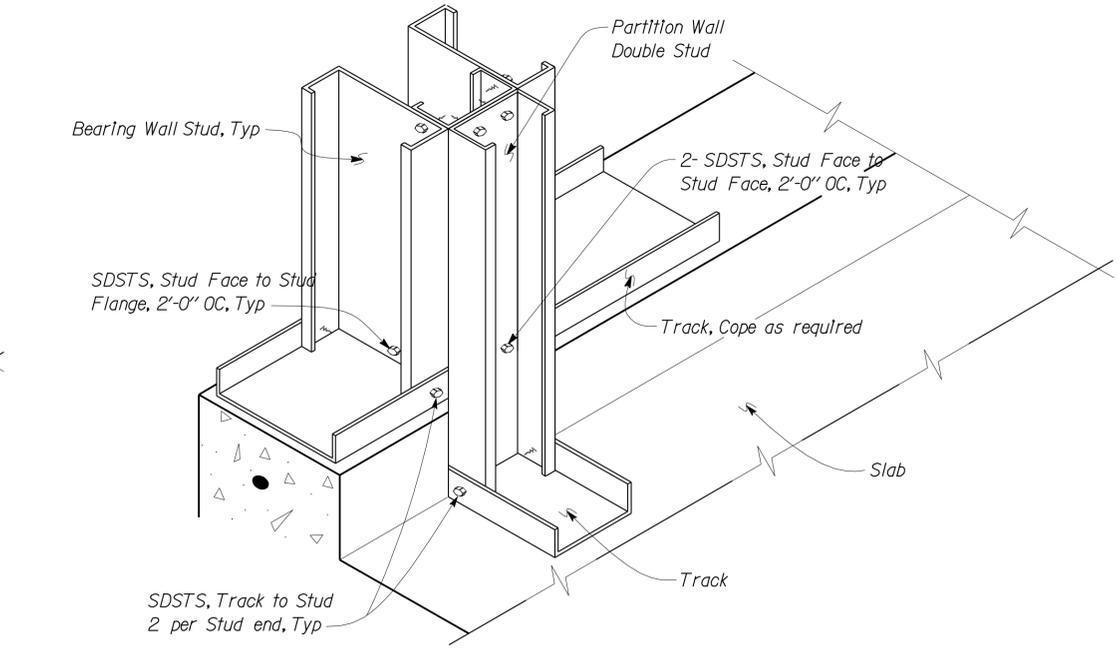
**2 TOP TRACK SPLICE**  
No Scale



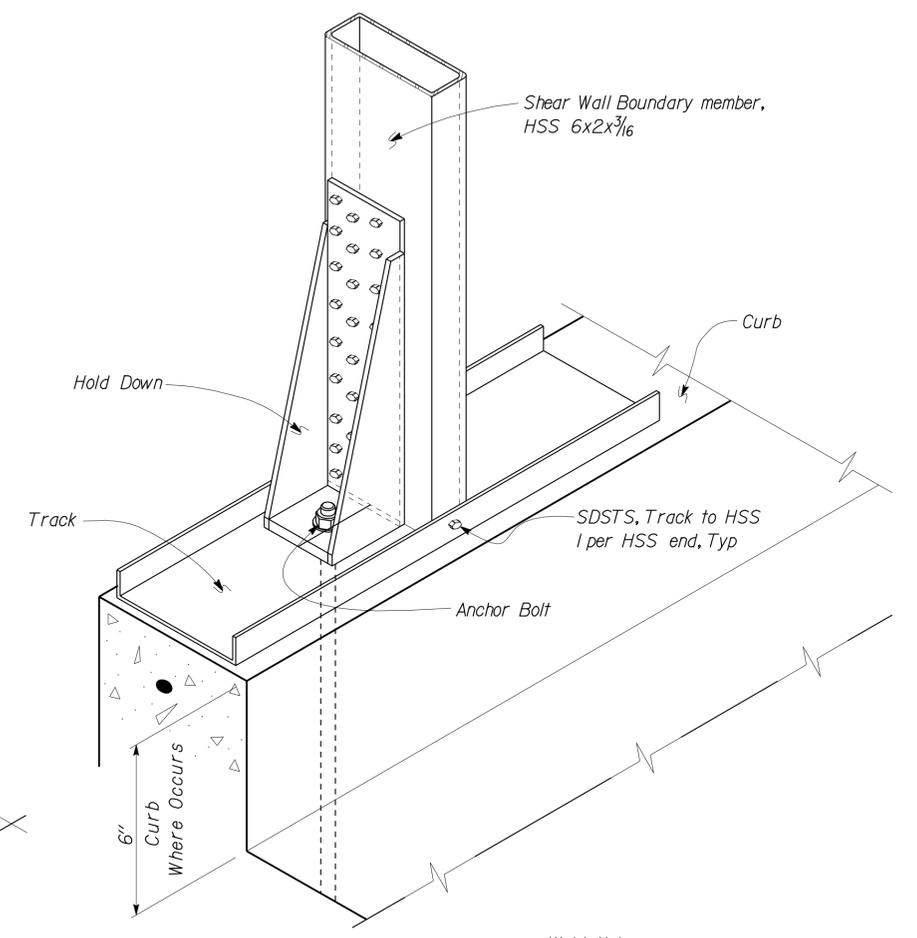
**3 EXTERIOR WALL TRACK ANCHORAGE**  
No Scale



**4 SHEAR WALL ANCHOR AT CORNER**  
No Scale



**5 WALL INTERSECTION DETAIL**  
No Scale



**6 SHEAR WALL ANCHOR DETAIL**  
No Scale

Weld Note:  
Weld Flange Edge both sides.

DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

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

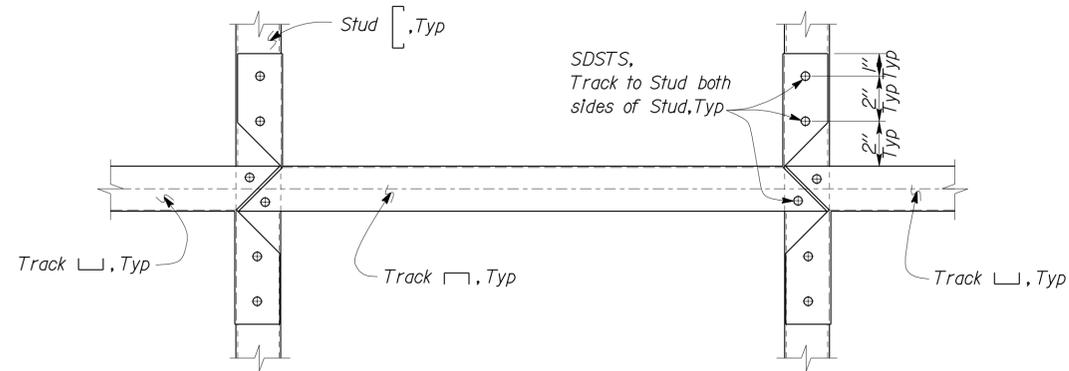
BRIDGE NO.	
POST MILE	

<b>NORTHGATE MS CREW QUARTERS</b>		SHEET
COLD FORMED STEEL DETAILS		<b>ST-5</b>

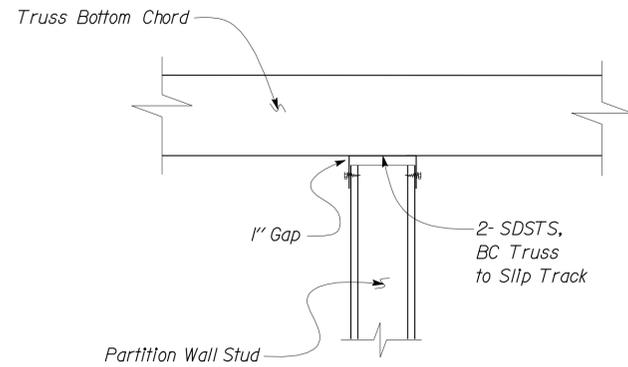
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		44	84


  
 REGISTERED CIVIL ENGINEER  
 DATE 12-09-10  
 3-7-11  
 PLANS APPROVAL DATE

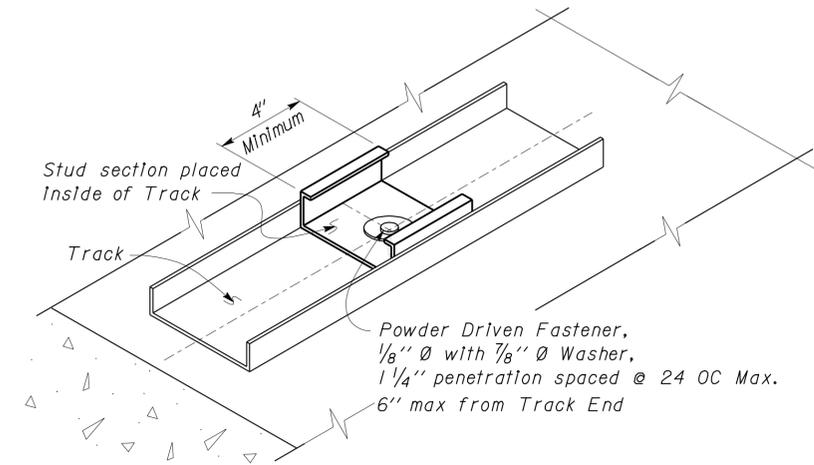
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**1 STUD BLOCKING ELEVATION**  
No Scale

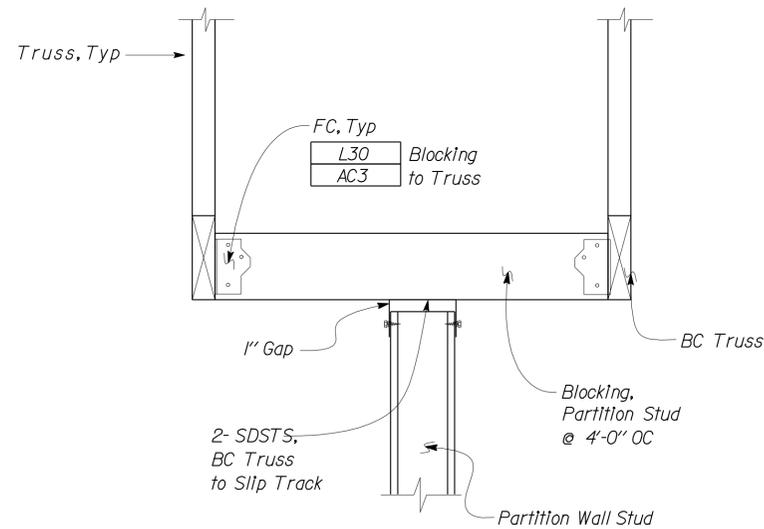


**3 PARTITION WALL TO PERPENDICULAR TRUSS**  
No Scale

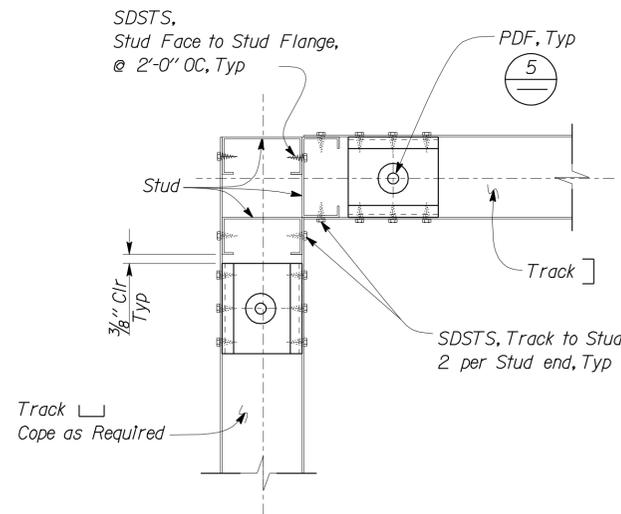


**5 SILL PLATE ANCHORAGE AT PARTITION WALL**  
No Scale

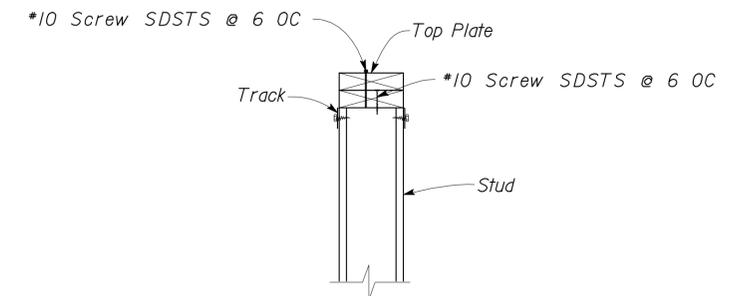
- Note**
1. Powder Driven Fasteners are used along Partition Wall only.
  2. Powder Driven Fastener Shall have an Allowable Shear Capacity of 200 lb.
  3. Powder Driven Fastener Shall be Submitted for Approval.



**2 PARTITION WALL TO PARALLEL TRUSS**  
No Scale



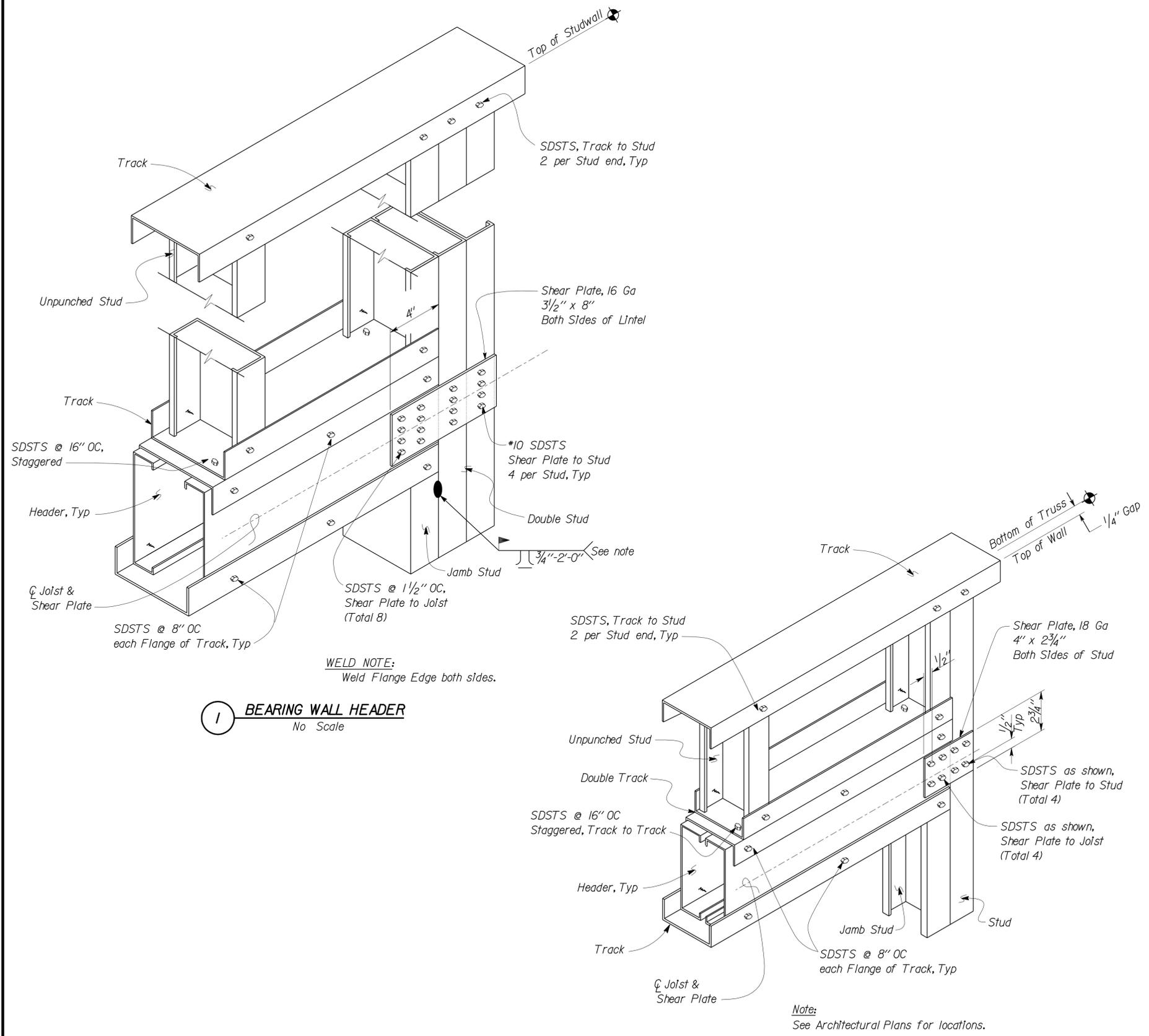
**4 PARTITION WALL CORNER PLAN**  
No Scale



**6 TOP PLATE TO TRACK CONNECTION DETAIL**  
No Scale

DESIGN	BY	Justin Uyehara	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST-6
	DETAILS	BY	Justin Uyehara	CHECKED			Joseph Camilleri		
QUANTITIES	BY		CHECKED		UNIT	3140	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	
PROJECT NUMBER & PHASE					EA 1F4301	03000011201	D:\user\Projects\01st_03\01f4301_northgate_ms\expedit\st_06.dgn		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		45	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 PLANS APPROVAL DATE					
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**1 BEARING WALL HEADER**  
No Scale

**2 PARTITION WALL HEADER**  
No Scale

DESIGN	BY	Justin Uyehara	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST-7			
	DETAILS	BY	Justin Uyehara	CHECKED			Joseph Camilleri			POST MILE	COLD FORMED STEEL HEADER DETAILS	
QUANTITIES	BY		CHECKED		UNIT	3140	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	PROJECT NUMBER & PHASE	03000011201	EA 1F4301	D:\user\Projects\03\01f4301_northgate_ms\expedit\st_07.dgn

**A GENERAL DESIGN NOTES**

**1. CRITERIA**

**BUILDING CODE:**

2007 California Building Code as Adopted  
by the California Building Standards Commission

**OCCUPANCY CATEGORY:** II

**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 Steel (HSS)  $F_y = 46 \text{ ksi}$   
Weld Electrodes  $F_y = 70 \text{ ksi}$

**COLD FORMED STEEL:** (Allowable Strength Design)

Thickness less than or equal to 43 mil  $F_y = 33 \text{ ksi}$   
Thickness greater than 43 mil  $F_y = 50 \text{ ksi}$

**3. FOUNDATION**

Soils report dated : June 16, 2010  
Allowable Soil Pressure: 2,000 psf  
For Soil Classification, see Log of Test Borings Sheet.

**C GENERAL NOTES**

- For Concrete see: "Concrete Standard"
- 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 = D  
Spectral Response Accelerations:  
 $S_s = 0.551$   $S_1 = 0.235$   
Spectral Response Coefficients:  
 $S_{DS} = 0.499$   $S_{D1} = 0.302$   
Design Category = D  
Analysis Procedure: Equivalent Lateral Force

**Seismic Force-Resisting System:**

<u>North - South</u>	<u>East - West</u>
Bearing Wall	Bearing Wall
$R = 6.5$	$R = 6.5$
$C_s = 0.0768$	$C_s = 0.0768$

**3. WIND**

Importance Factor = 1.0  
Basic Wind Speed = 85 mph (3 sec gust)  
Exposure C  
Analysis Procedure: Simplified  
Internal Pressure Coefficient  $GC_{pi} = \pm 0.18$

**D WOOD STRUCTURAL PANEL NOTES**

- Wood Structural Panels shall conform to the Requirements for their Type in Voluntary Product Standard PS 1-07 or PS 2-04. Panels shall be Factory-Marked Indicating Compliance with Grade Requirements. The Durability Classification shall be Exposure 1.
- Bearing, shear and exterior walls shall be sheathed with 7/16" Oriented Strand Board Panels with 32/16 Span Rating.
- All Exterior Wall Panels shall be installed with Strength Axis Placed Horizontally. All Panel Edges shall be Blocked.
- All roofs shall be sheathed with 19/32" T&G Plywood Panels with 40/20 Span Rating.
- Plywood for roofs shall be placed face grain perpendicular to supports. Where possible, plywood shall be placed in full sheets and staggered one-half sheet length. Any partial plywood sheet shall not be less than 2'-0" in length or width unless fully blocked.
- Screws shall be #8 Modified Truss reamer point with a 5/16" min Head Dia. Maximum Spacing shall be 6" at Panel Edges and 12" at Intermediate Supports UON. See Shear Wall Schedules for other Spacing Requirements.
- Prior to installation, Panels shall be protected from Exposure to Weather and Moisture. Provide Air Circulation around Tarp-Covered Stacks..

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		46	84


 REGISTERED CIVIL ENGINEER  
 DATE 12-09-10  
 No. 54569  
 Exp. 12-31-11  
 CIVIL  
 STATE OF CALIFORNIA

3-7-11  
PLANS APPROVAL DATE

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DESIGN BY Justin Uyehara	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>  DESIGN CRITERIA AND DETAIL NOTES	SHEET
DETAILS BY Justin Uyehara	CHECKED Joseph Camilleri			POST MILE		OF
QUANTITIES BY	CHECKED					

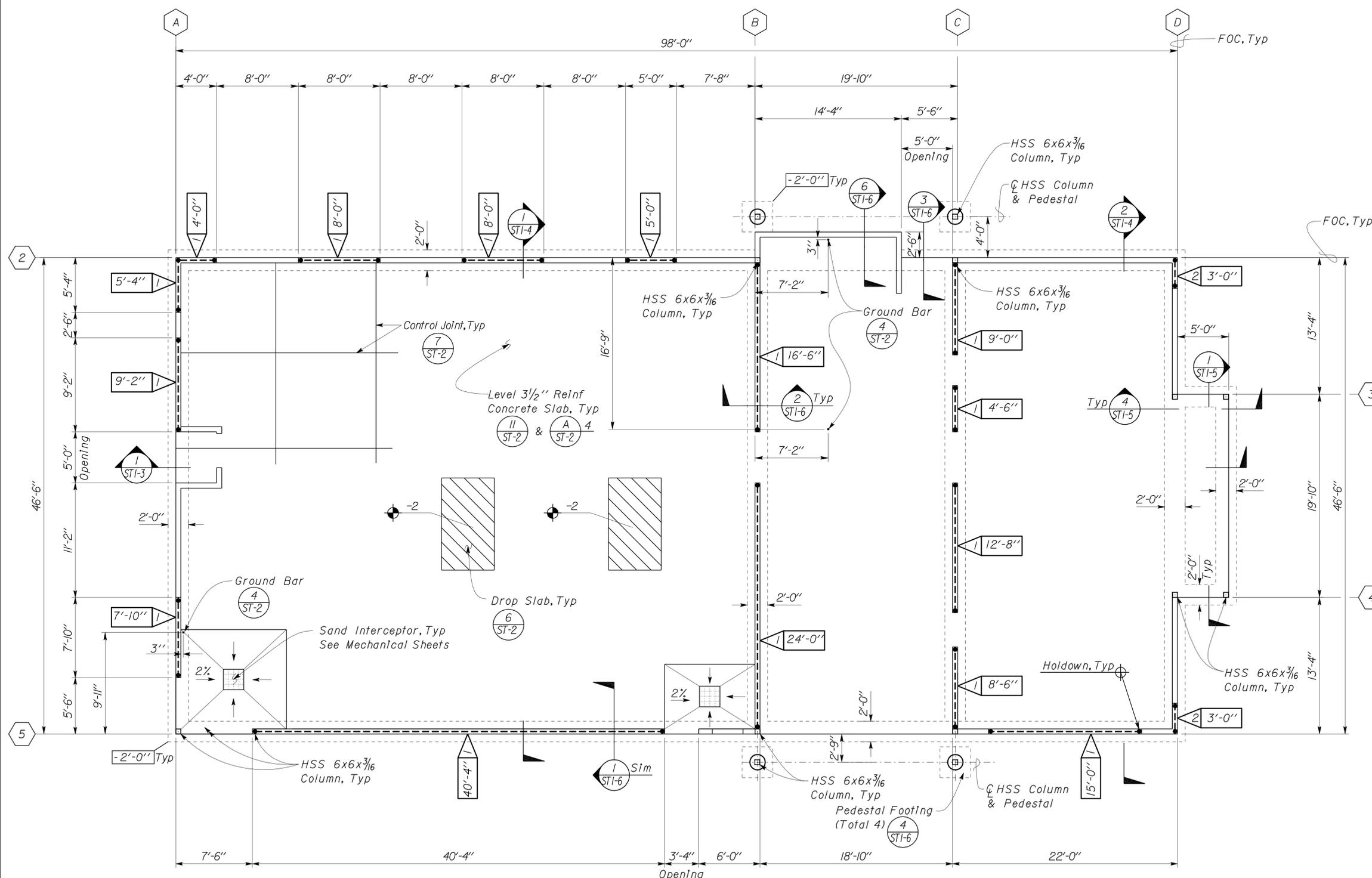
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 UNIT PROJECT NUMBER & PHASE: 3140 03000011201  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 07-14-10  
 REVISION DATES (PRELIMINARY STAGE ONLY):  
 EA 1F4301

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		47	84

Sean Samuel  
 REGISTERED CIVIL ENGINEER  
 DATE 12-09-10  
 Exp. 12-31-11  
 CIVIL  
 STATE OF CALIFORNIA

3-7-11  
 PLANS APPROVAL DATE

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**A SHEAR WALL TABLE**

Mark	Screw Schedule		Holddown	Anchor bolt
	Edge Screw	Field Screw		
1	6" OC	12" OC	S/HD8S TD8S	1/2" Ø x 8" @ 48 OC
2	4" OC	12" OC	S/HD8S TD8S	1/2" Ø x 8" @ 24 OC

- See (1) ST-4 for Typical Shear Wall Detail
- Bottom Track shall not be spliced within shear wall.
- Shear wall lengths shown are minimum.
- For shear wall boundary member and Holddown see (4) ST-5 and (6) ST-5
- Concrete Apron not shown for clarity. See Architectural Sheets for location and dimensions and (3) ST-2

Elevation 18.25' = Datum 0'-0"

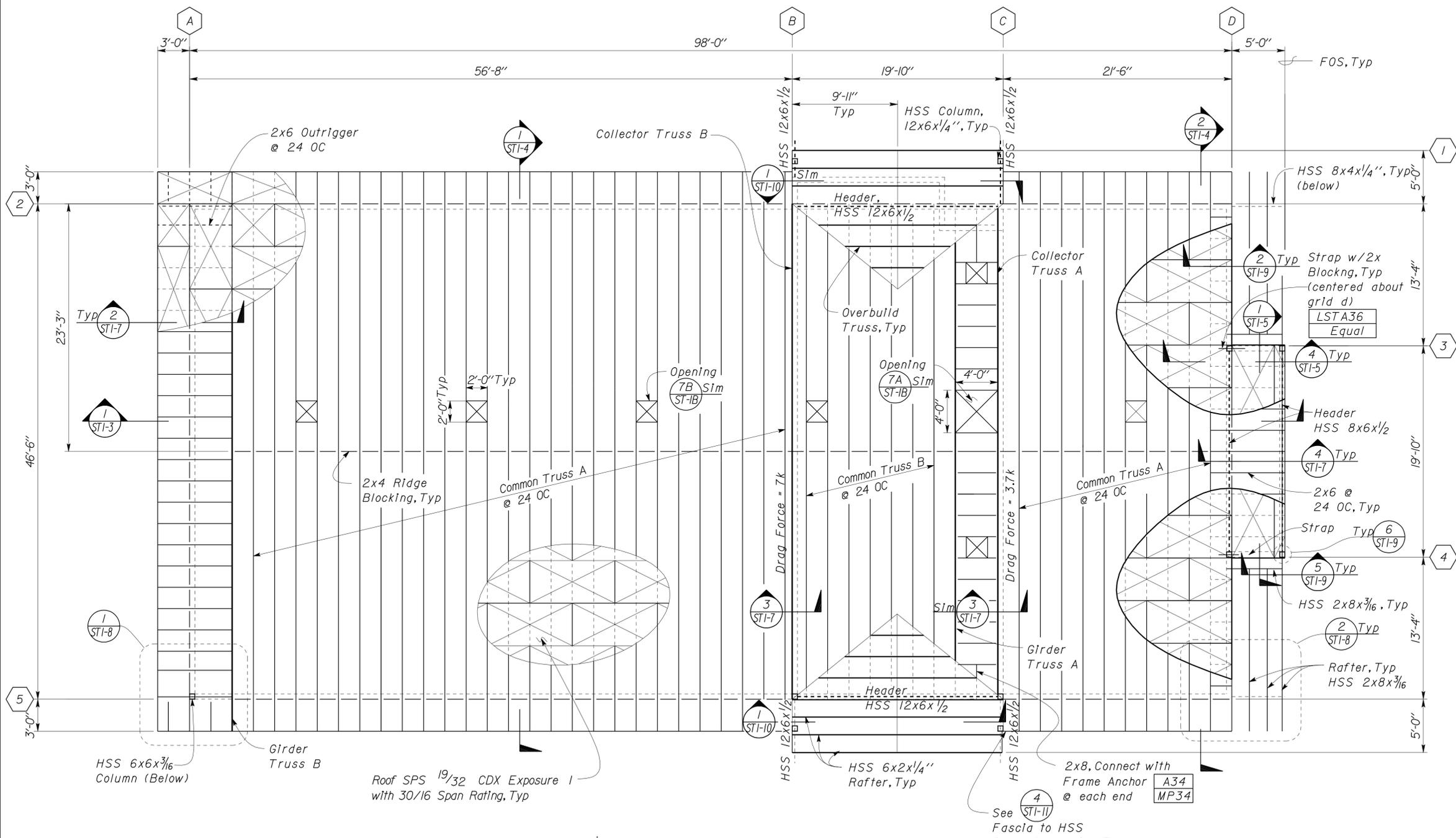
**1 FOUNDATION PLAN**  
Scale 3/16" = 1'-0"

	DESIGN BY Justin Uyehara	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET
	DETAILS BY Justin Uyehara	CHECKED Joseph Camilleri			POST MILE		FOUNDATION PLAN
QUANTITIES BY		CHECKED					

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 UNIT PROJECT NUMBER & PHASE: 3140 03000011201  
 EA 1F4301

DISREGARD PRINTS BEARING EARLIER REVISION DATES  
 REVISION DATES (PRELIMINARY STAGE ONLY)

10-MAR-2011 11:22



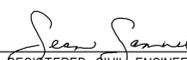
**1 ROOF FRAMING PLAN**  
Scale 3/16" = 1'-0"

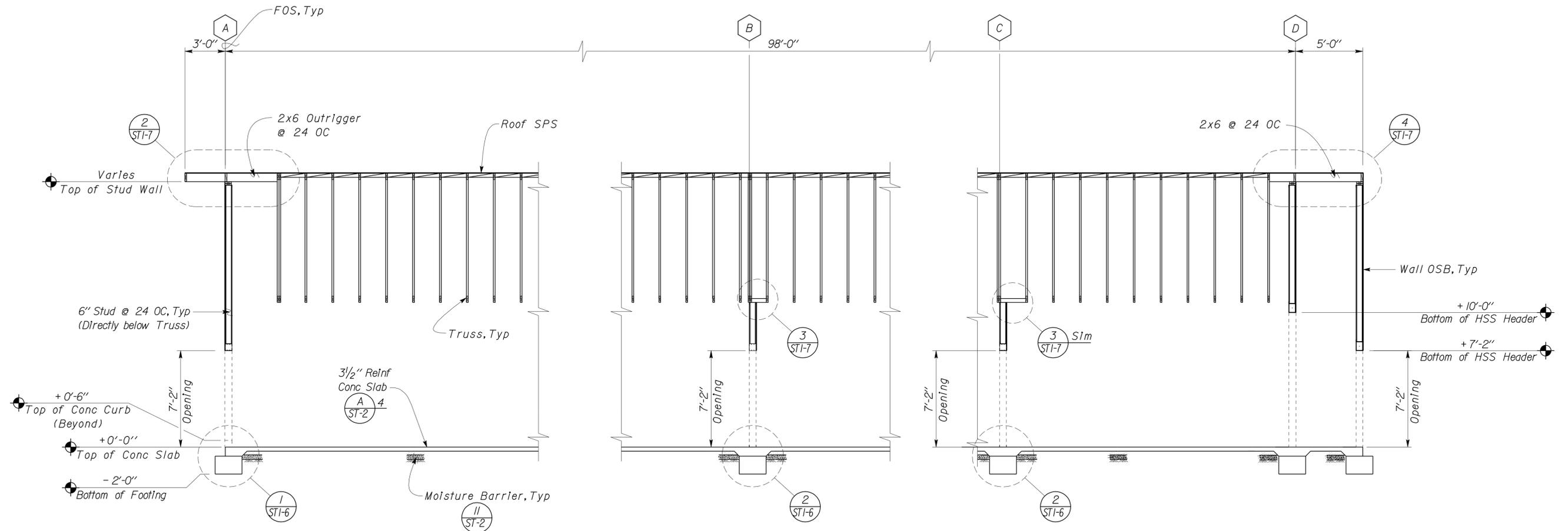
**A ROOF DIAPHRAGM SCREW SCHEDULE**

Location	
Edge Nail	10d @ 6" OC
Field Nail	10d @ 12" OC

**B FRAMING NOTES**

- Note:
- 1) Truss and roof rafters shall be located directly above wall stud/post
  - 2) Girder truss shall be located directly above double stud back to back connected w/ #10 SDSTS @ 12" OC
  - 3) See **D** for roof sheathing notes
  - 4) See ST-4 for truss details
  - 5) For size and location of Headers not shown see architectural Sheets and **ST-7**
  - 6) For slab plan not shown, see Architectural, Mechanical and Electrical Sheets.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		49	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 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 BUILDING SECTION**  
 Scale 1/4" = 1'-0"

DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.
POST MILE

**NORTHGATE MS CREW QUARTERS**  
 BUILDING SECTION

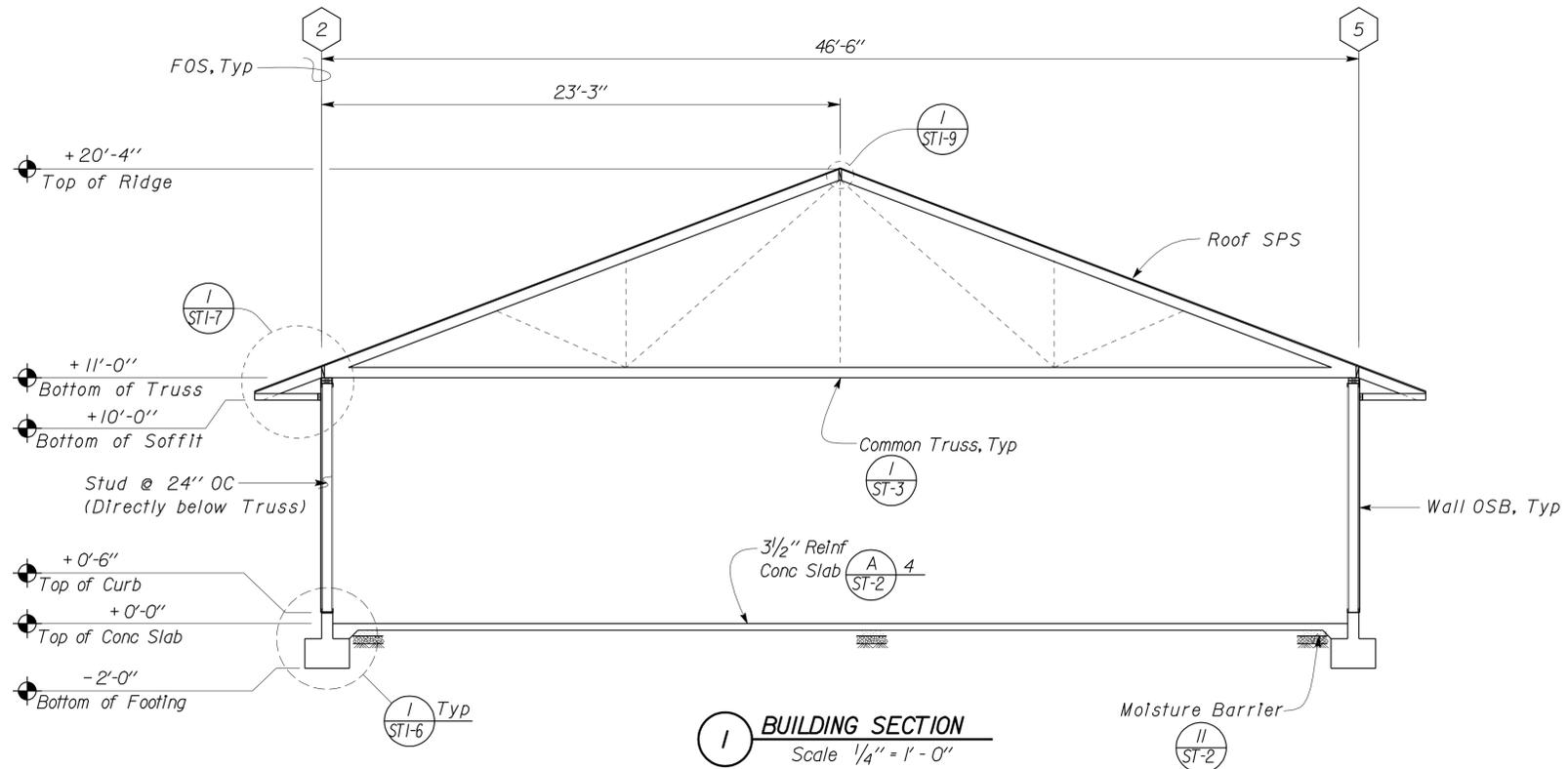
SHEET **ST1-3**

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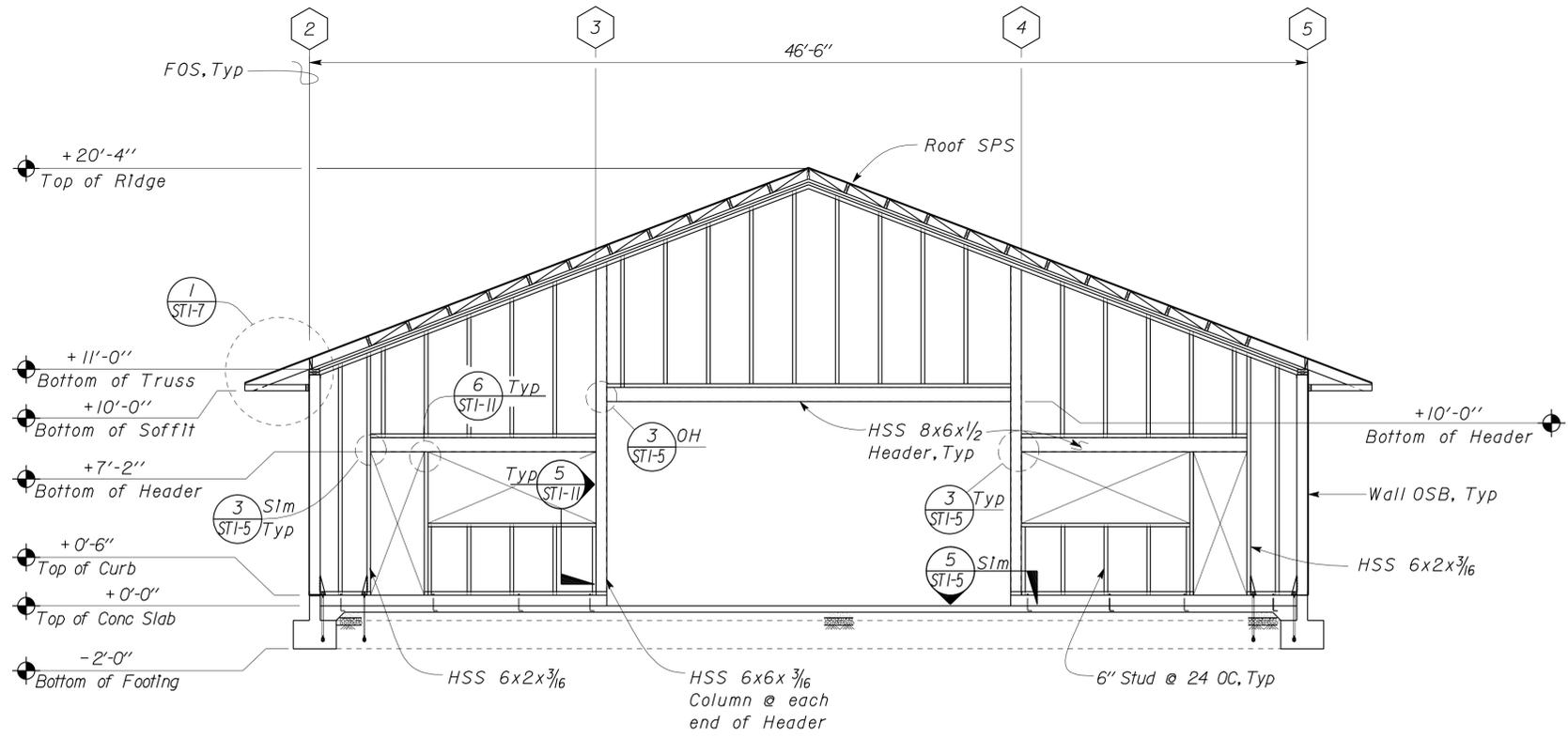

  
 REGISTERED CIVIL ENGINEER      DATE 12-09-10

3-7-11  
 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 BUILDING SECTION**  
Scale 1/4" = 1'-0"



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

NOTE: For Details not shown, see (1) Sim

DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

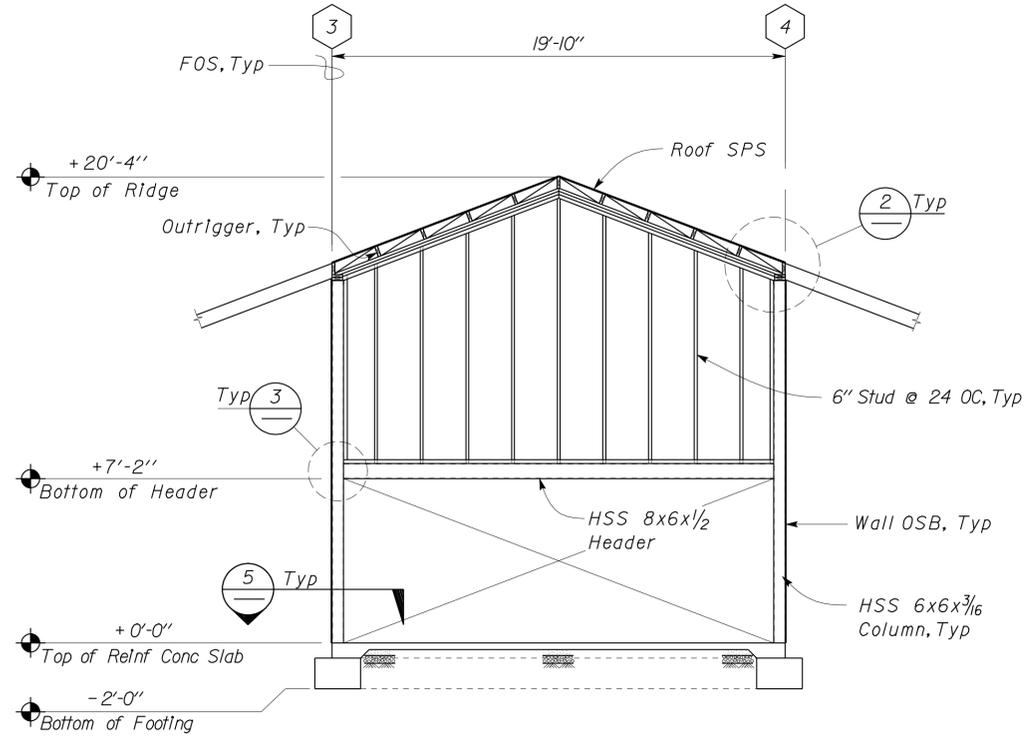
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST1-4
POST MILE		
BUILDING SECTIONS		

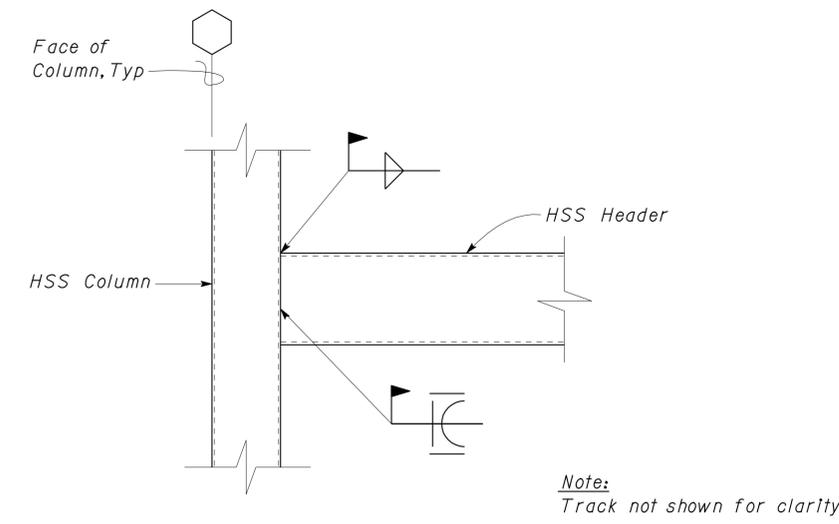
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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 REGISTERED CIVIL ENGINEER      DATE 12-09-10  
 PLANS APPROVAL DATE 3-7-11

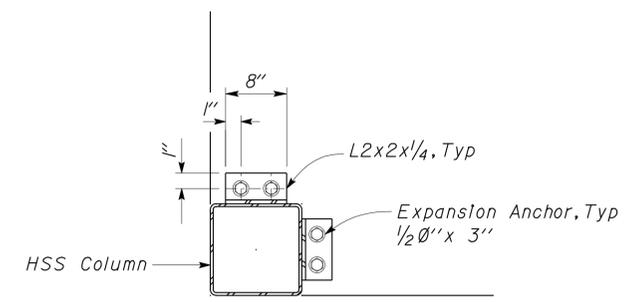
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



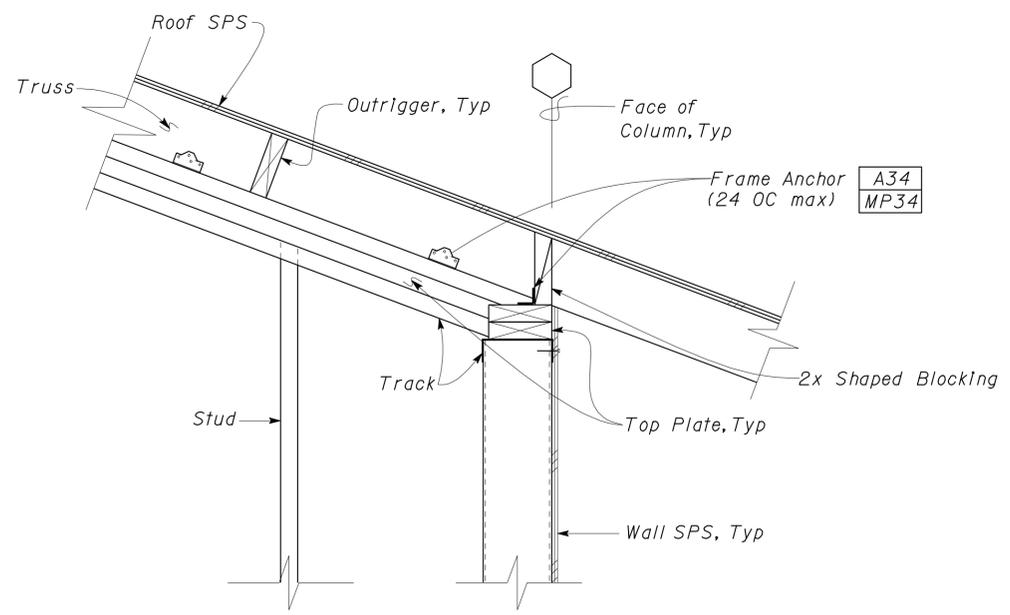
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Scale 1/4" = 1'-0"



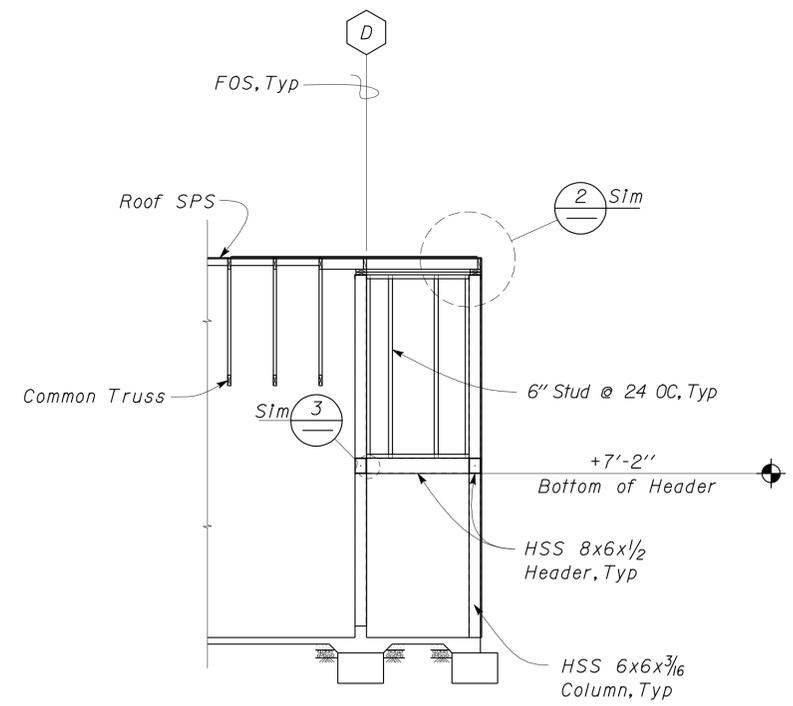
**3 HEADER TO COLUMN CONNECTION**  
Scale 1" = 1'-0"



**5 HSS COLUMN CONNECTION**  
Scale 2" = 1'-0"



**2 ROOF FRAMING DETAIL**  
Scale 1/2" = 1'-0"



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

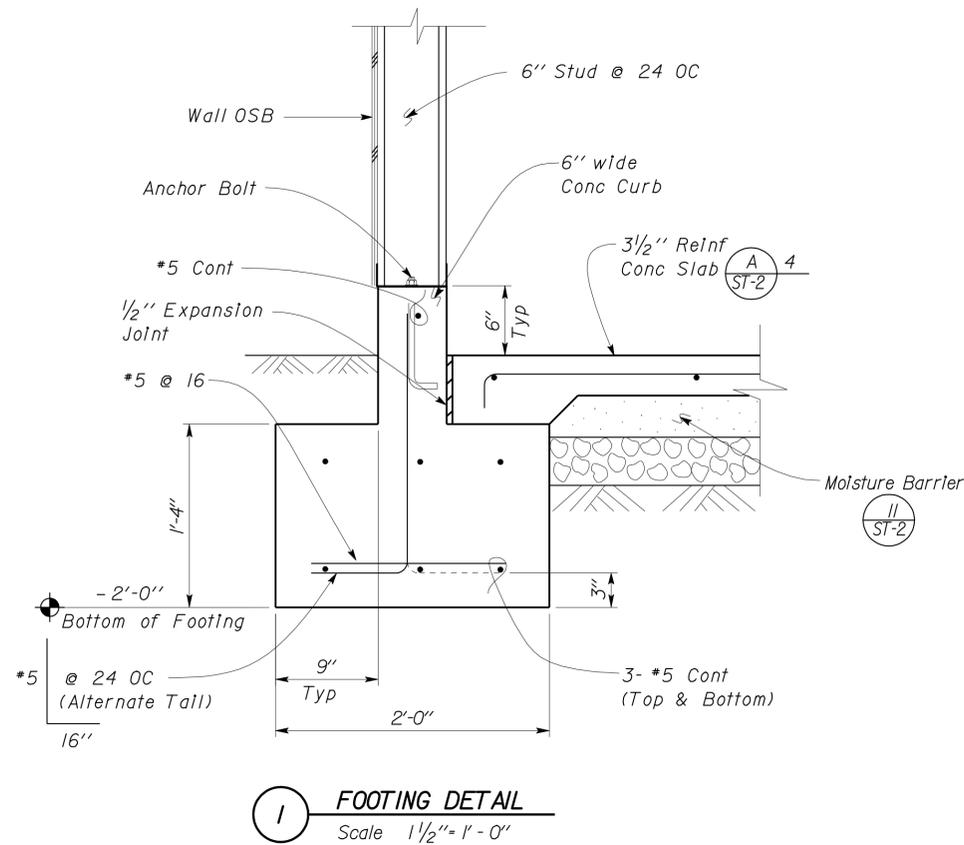
DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

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

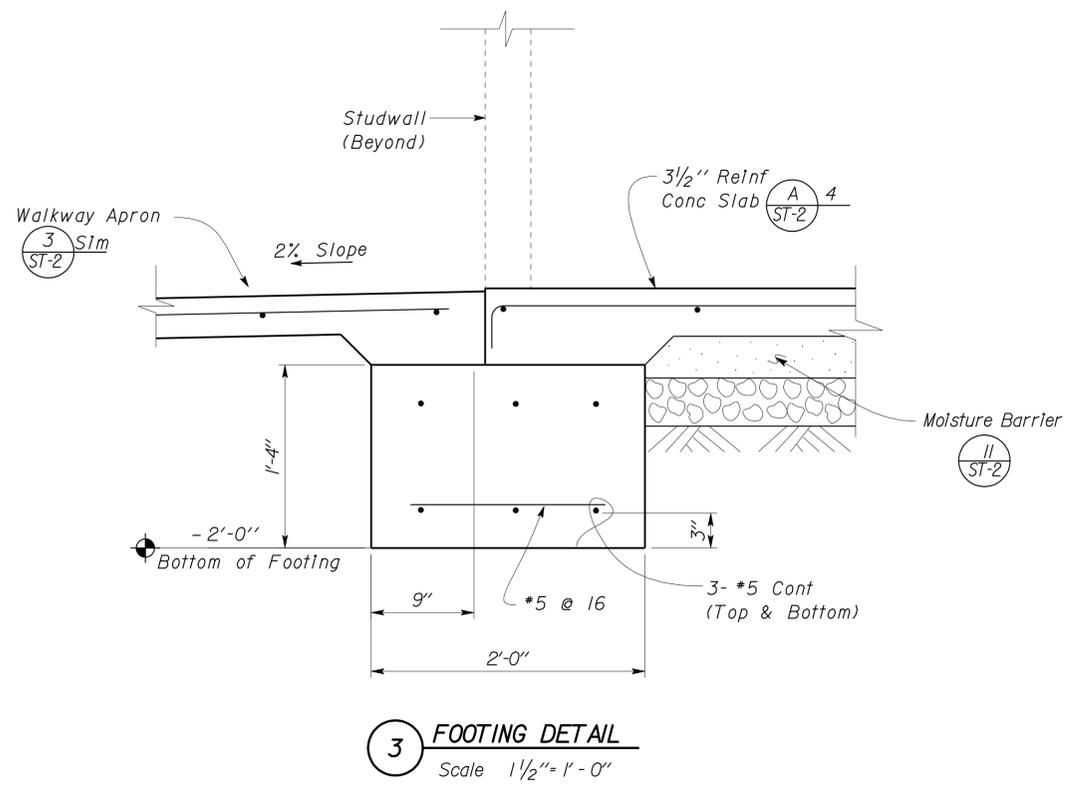
BRIDGE NO.  
 POST MILE  
**NORTHGATE MS CREW QUARTERS**  
 BUILDING SECTION AND DETAILS

SHEET **ST1-5** OF

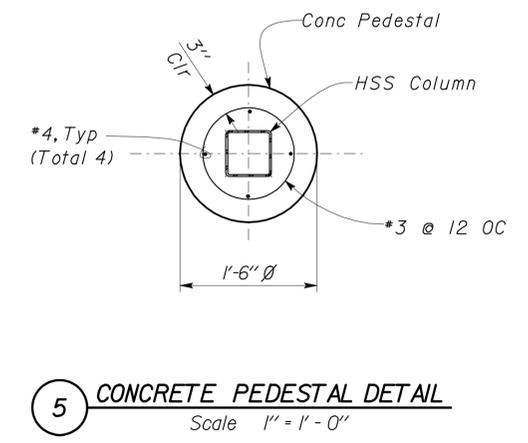
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		52	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



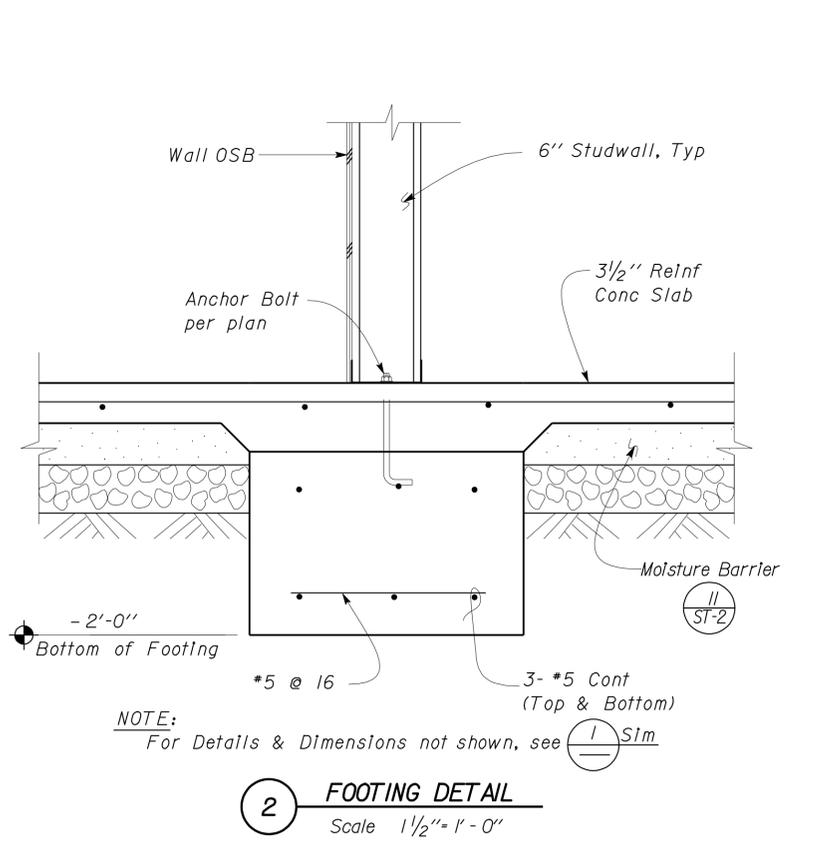
**1** FOOTING DETAIL  
Scale 1 1/2" = 1' - 0"



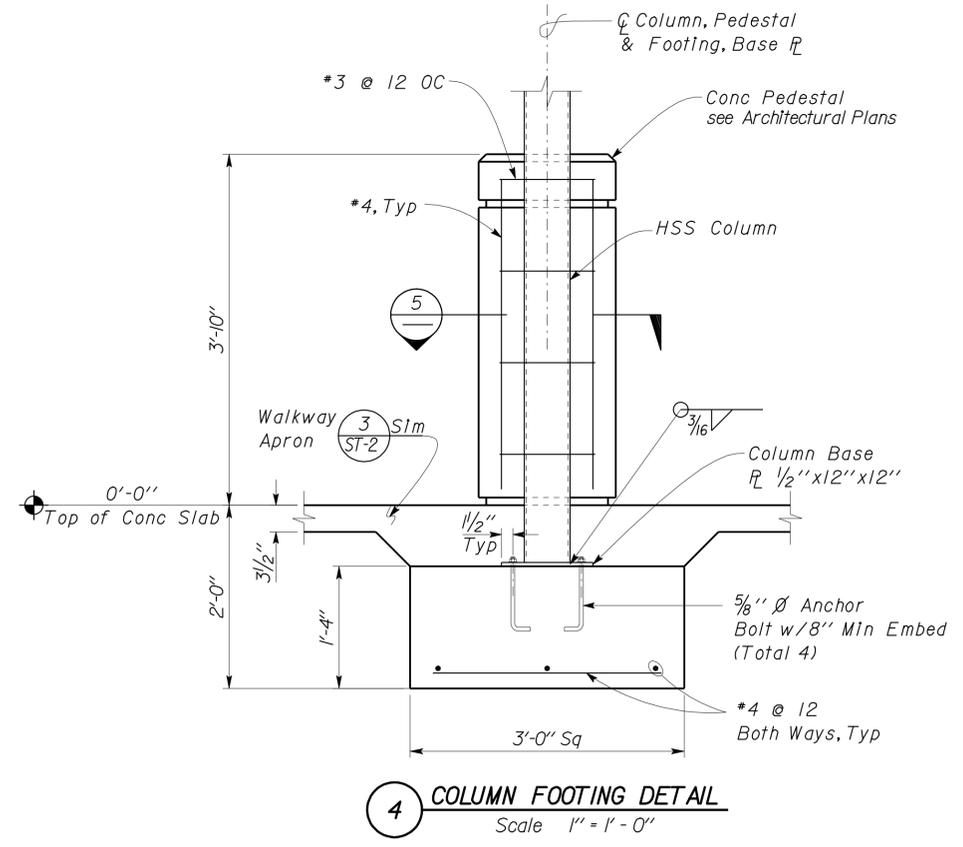
**3** FOOTING DETAIL  
Scale 1 1/2" = 1' - 0"



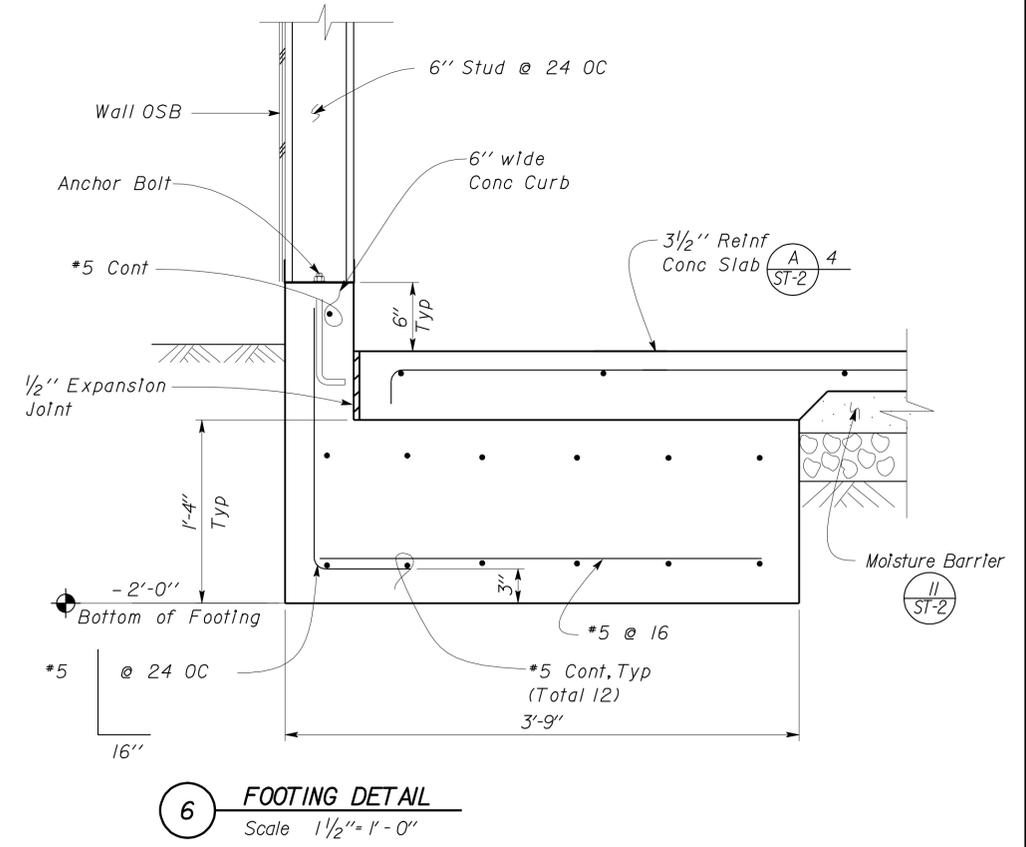
**5** CONCRETE PEDESTAL DETAIL  
Scale 1" = 1' - 0"



**2** FOOTING DETAIL  
Scale 1 1/2" = 1' - 0"



**4** COLUMN FOOTING DETAIL  
Scale 1" = 1' - 0"



**6** FOOTING DETAIL  
Scale 1 1/2" = 1' - 0"

NOTE:  
For Details & Dimensions not shown, see (1) Sim

DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri
DETAILS	BY Justin Uyehara	CHECKED Joseph Camilleri
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

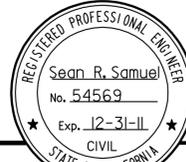
BRIDGE NO.  
POST MILE

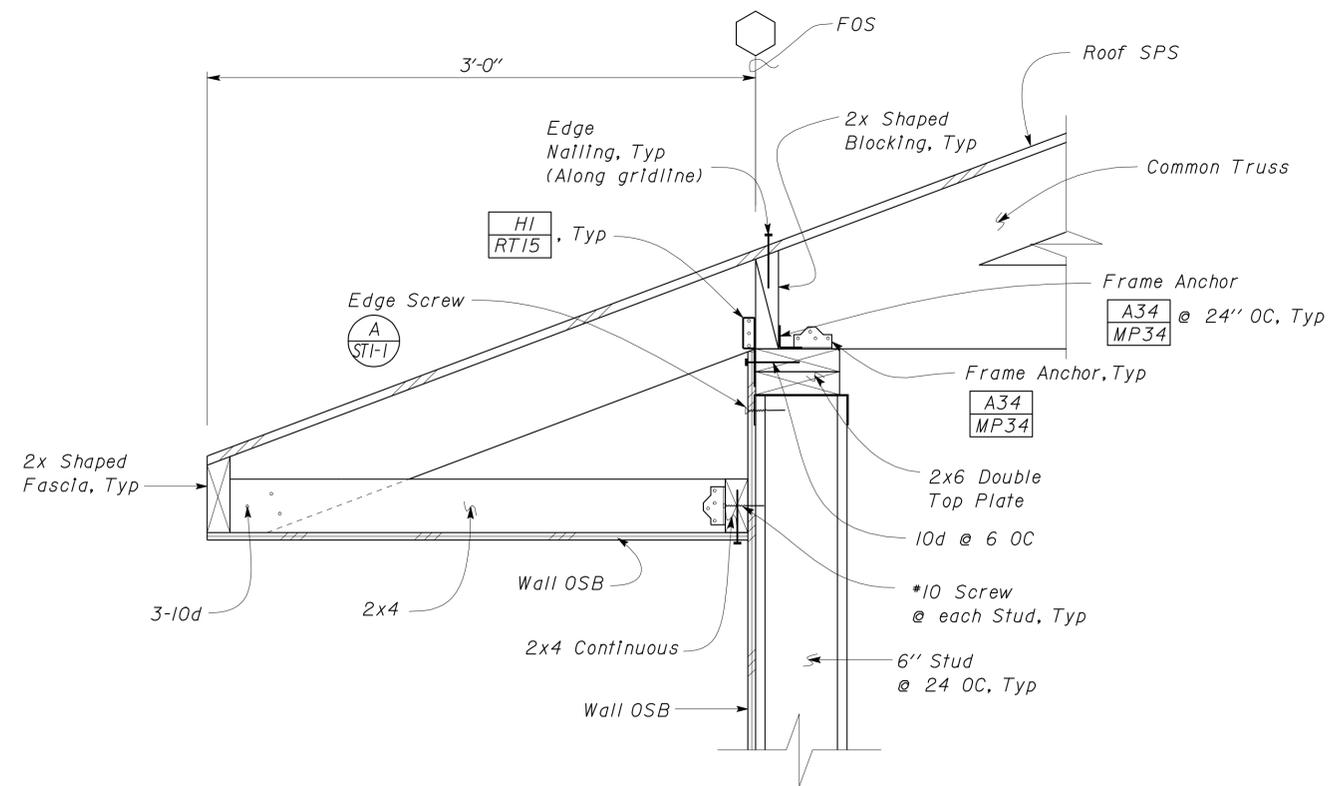
**NORTHGATE MS CREW QUARTERS**  
FOOTING DETAILS

SHEET **ST1-6**

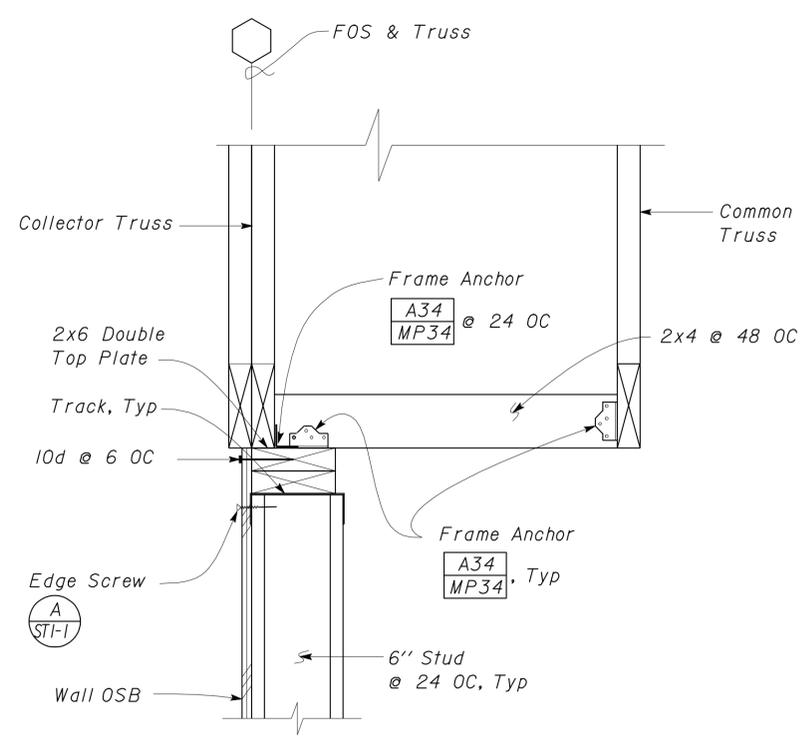
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		53	84

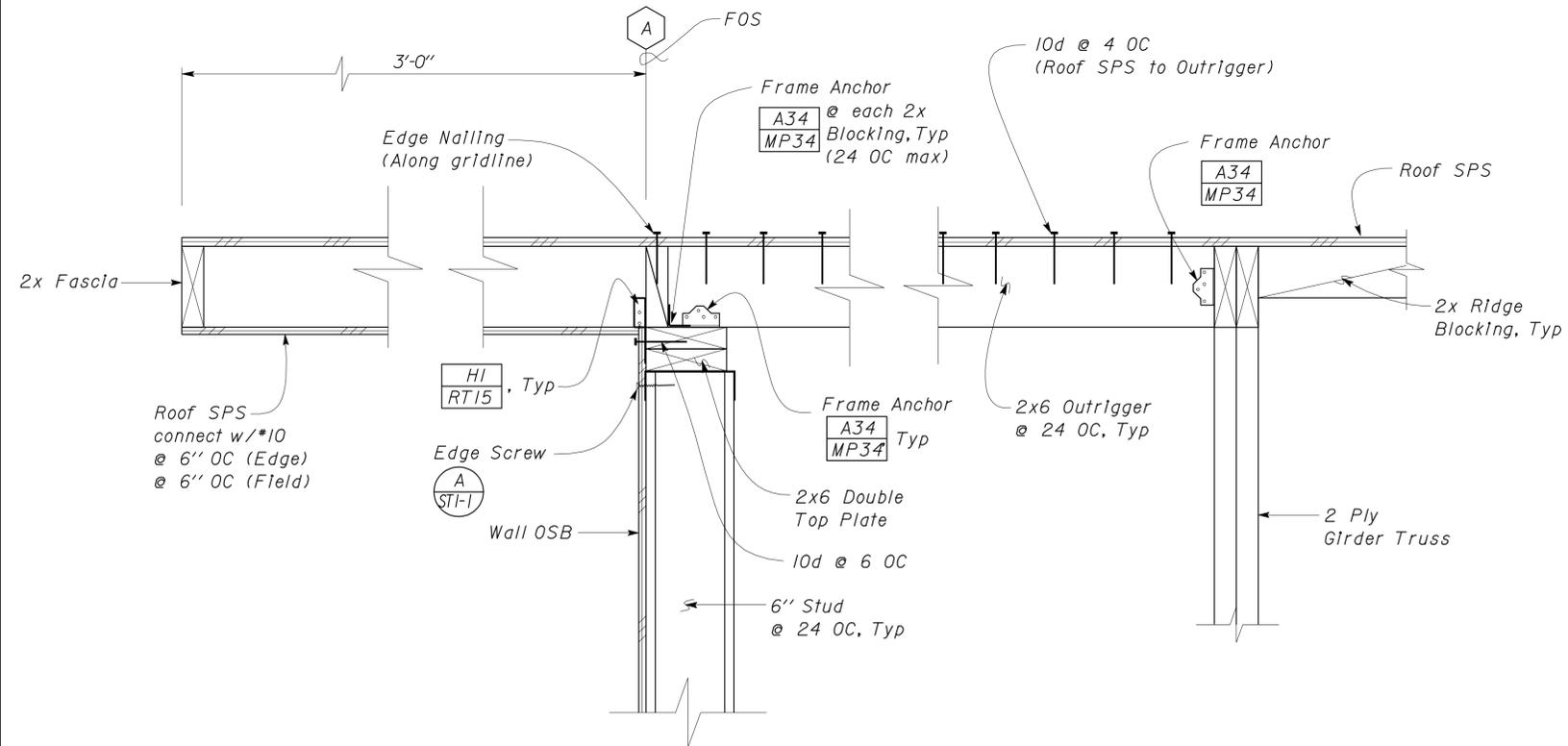
	12-09-10 DATE
3-7-11 PLANS APPROVAL DATE	
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.	



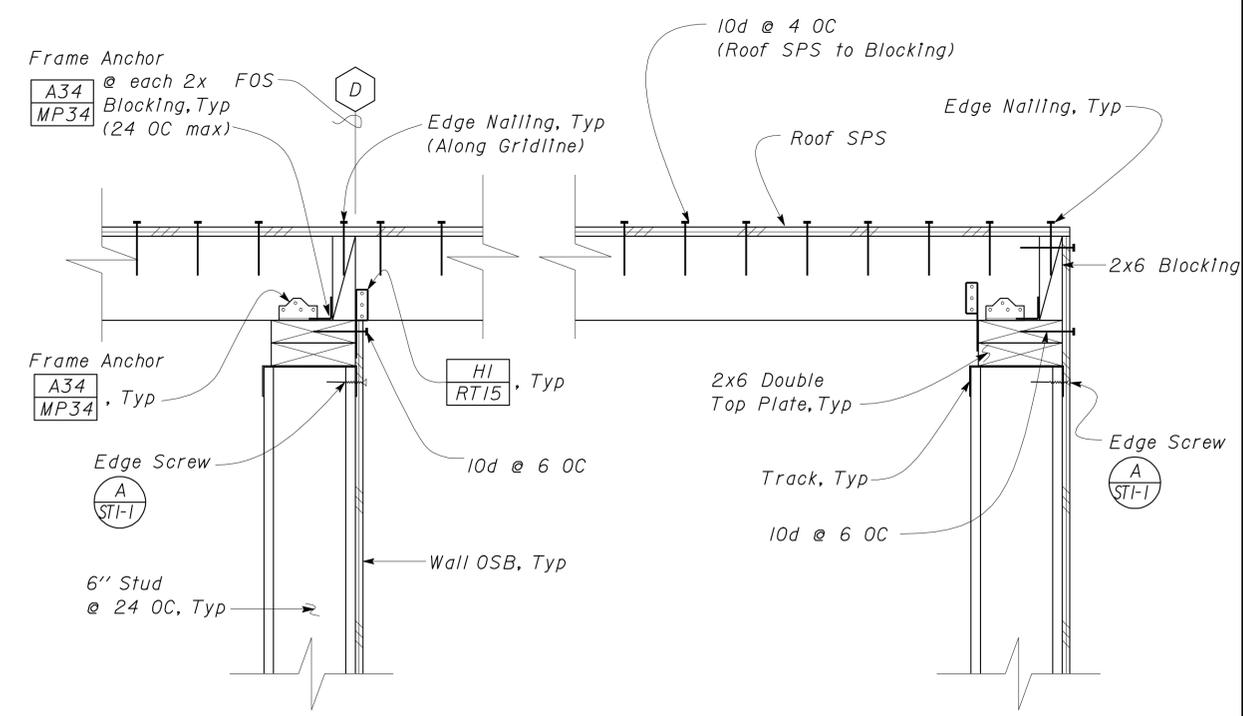
**1 ROOF SECTION**  
Scale 2" = 1' - 0"



**3 SHEAR TRANSFER DETAIL**  
Scale 2" = 1' - 0"



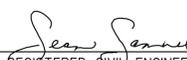
**2 ROOF SECTION**  
Scale 2" = 1' - 0"

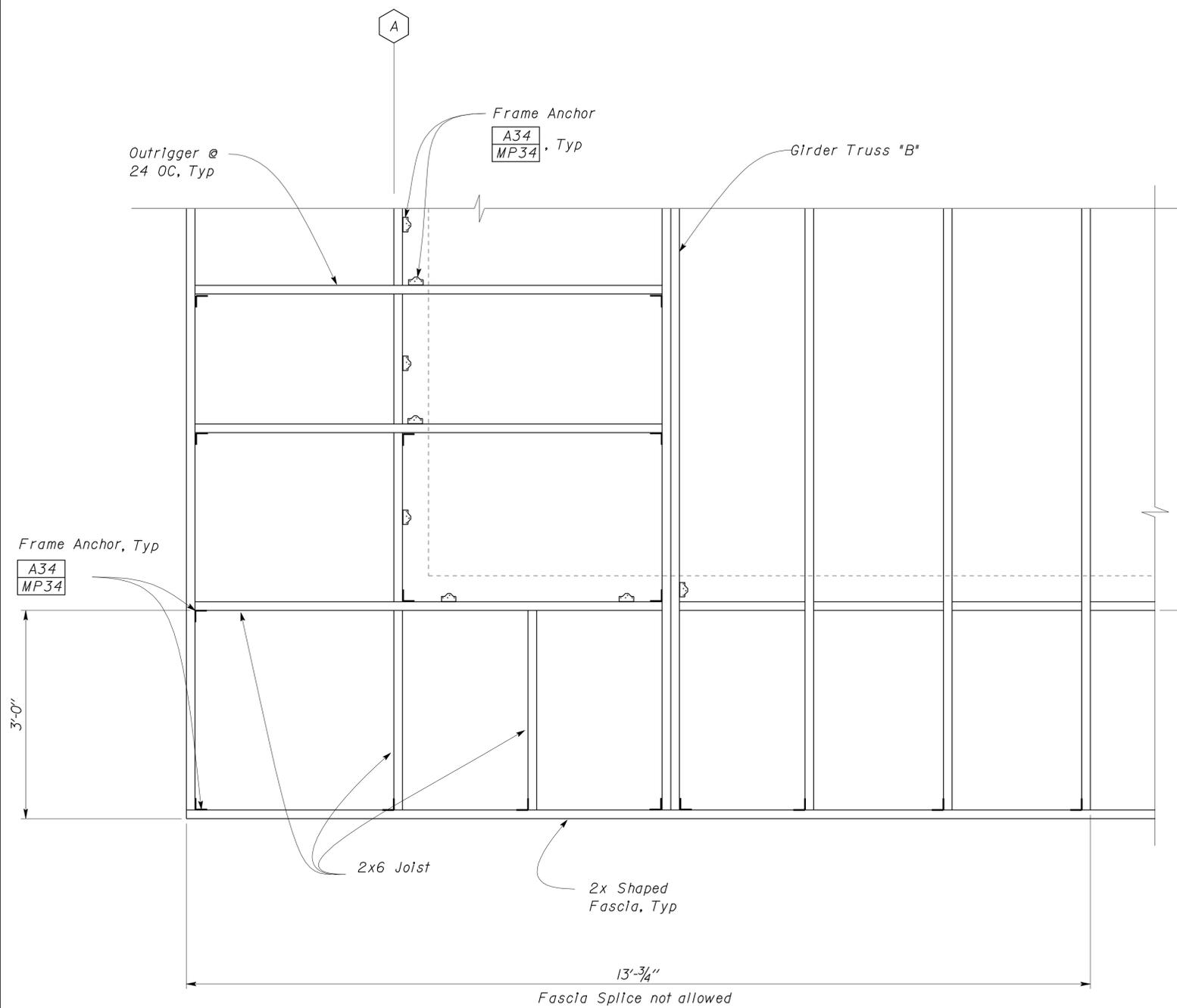


**4 ROOF SECTION**  
Scale 2" = 1' - 0"

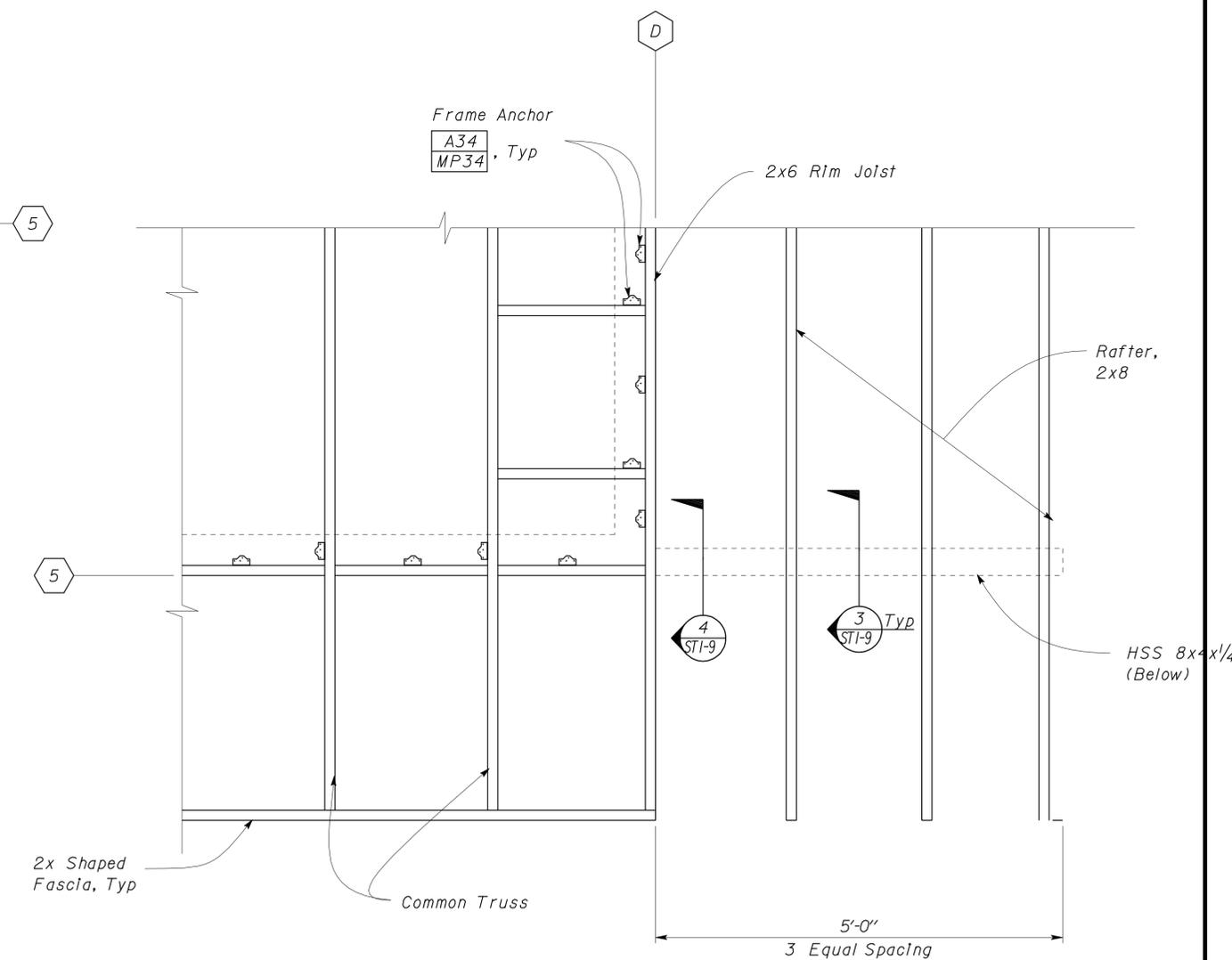
DESIGN	BY Justin Uyehara	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET
	DETAILS	BY Justin Uyehara			CHECKED Joseph Camilleri		POST MILE
QUANTITIES	BY	CHECKED	UNIT PROJECT NUMBER & PHASE	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3			07-15-10	13 of 48

EA 1F4301 D:\user\Projects\Dist\_03\01F4301\_northgate\_ms\expd\fe\st1\_07.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		54	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 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.					

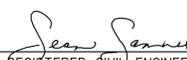


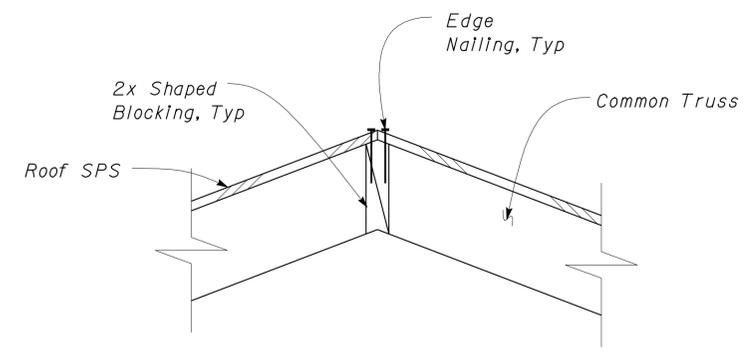
1 PARTIAL ROOF FRAMING PLAN  
Scale 1" = 1'-0"



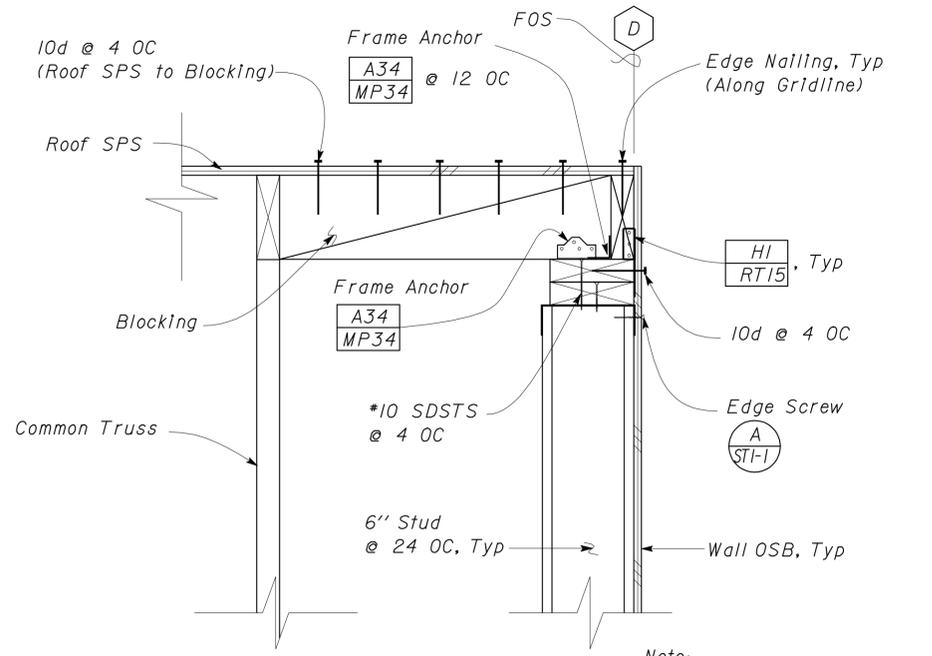
2 PARTIAL ROOF FRAMING PLAN  
Scale 1" = 1'-0"

DESIGN BY Justin Uyehara	CHECKED Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST1-8
				POST MILE		
DETAILS BY Justin Uyehara	CHECKED Joseph Camilleri	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3140 03000011201	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED			- -09		
TAEMWW Imperial Rev. 7/10		EA 1F4301		D:\user\Projects\Dist_03\01F4301_northgate_ms\expd\1fe\st1_08.dgn		10-MAR-2011 13:48

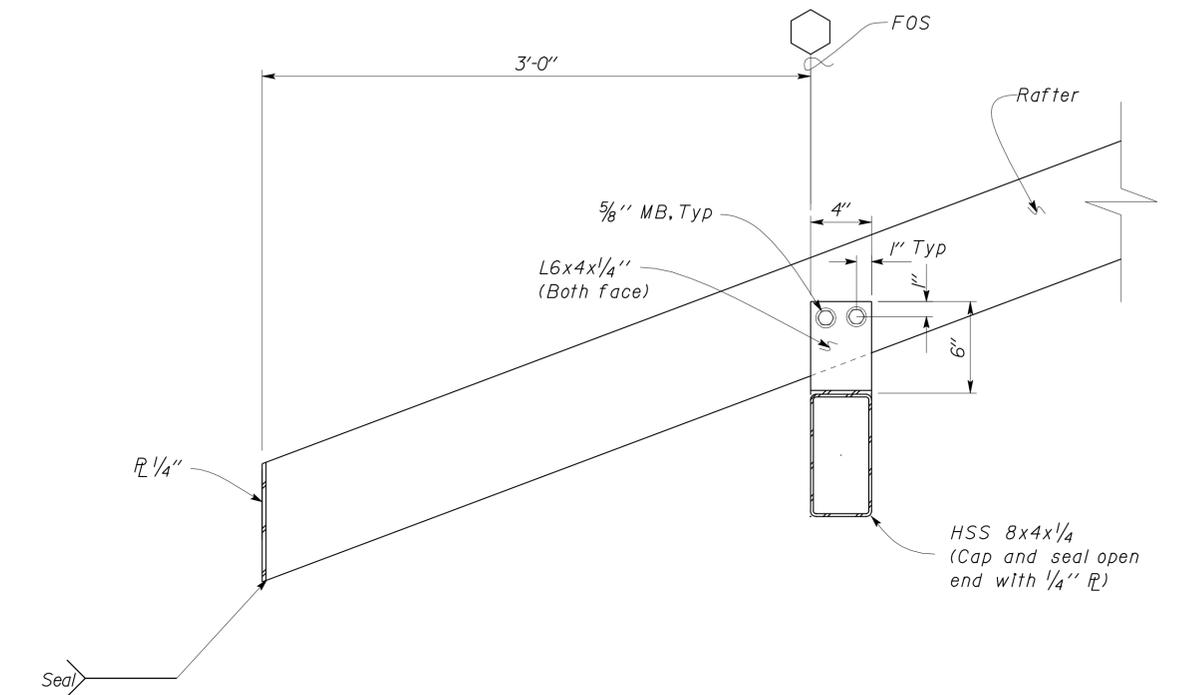
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		55	84
 REGISTERED CIVIL ENGINEER			DATE		
3-7-11			PLANS APPROVAL DATE		
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



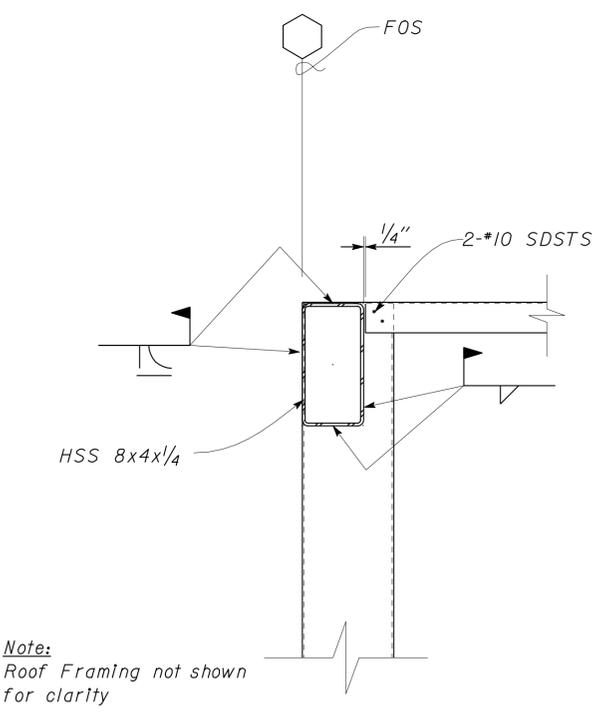
1 RIDGE DETAIL  
Scale 2" = 1'-0"



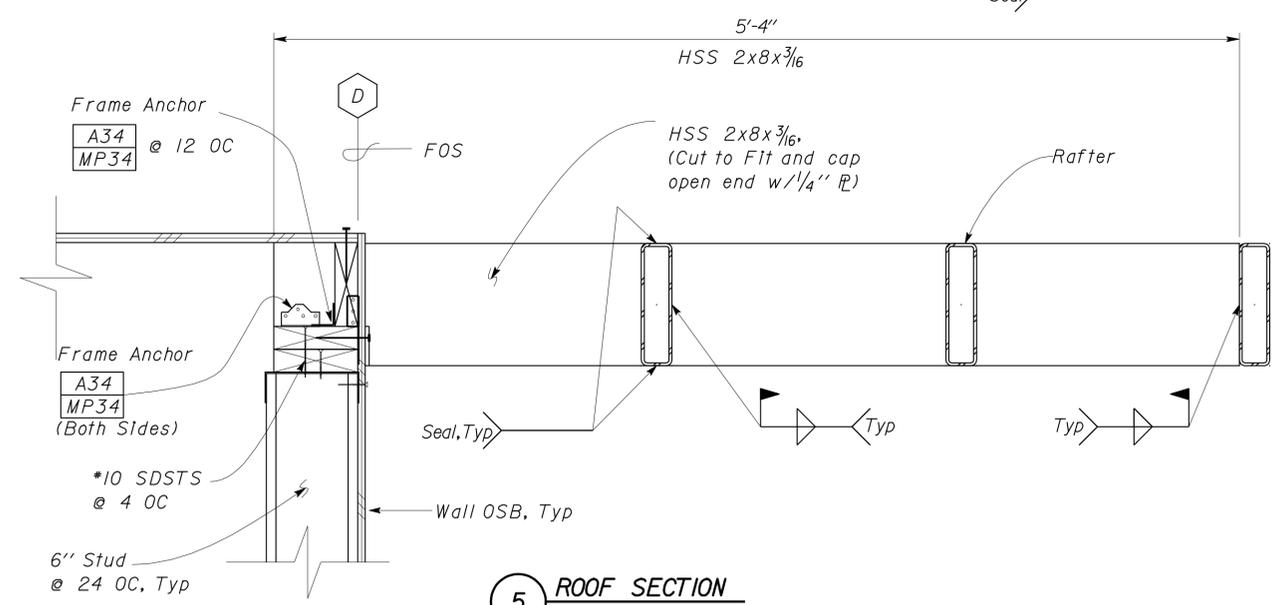
2 ROOF SECTION  
Scale 2" = 1'-0"



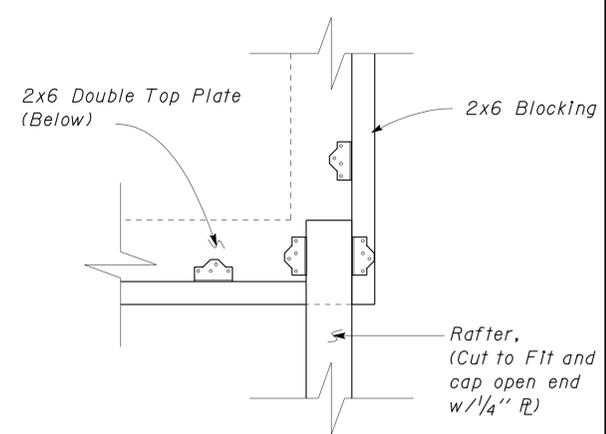
3 ROOF SECTION  
Scale 2" = 1'-0"



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

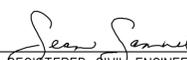


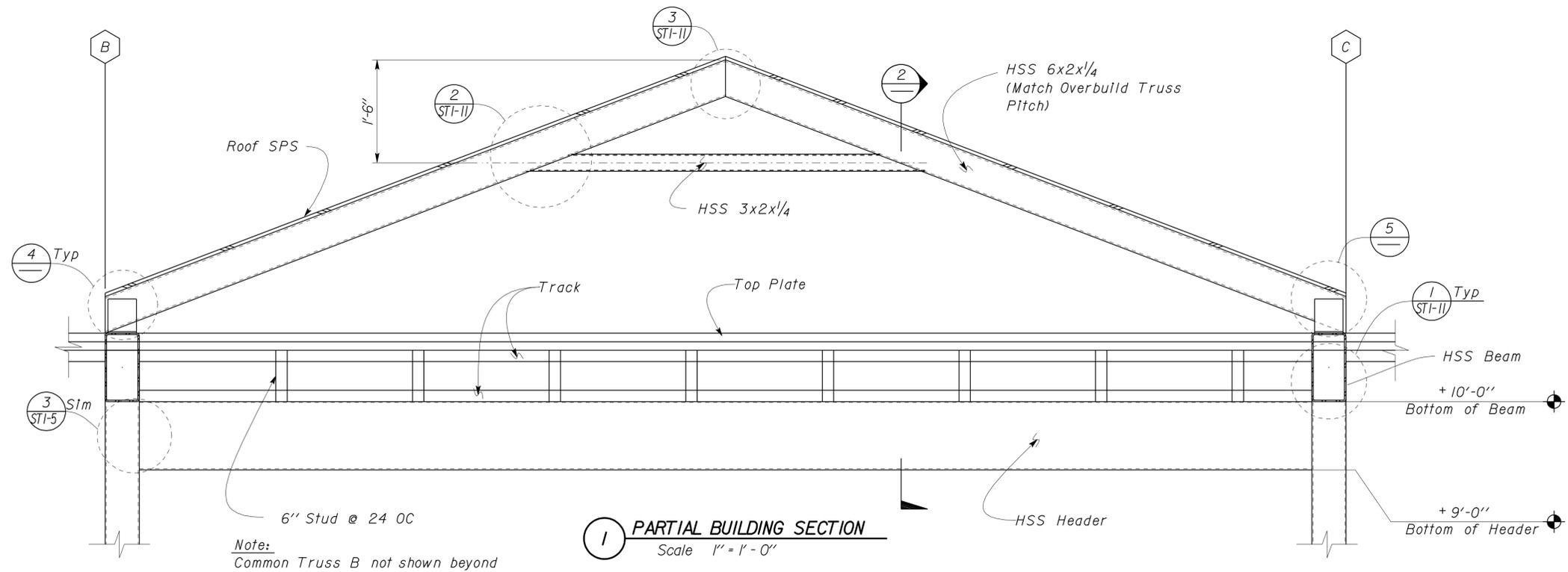
5 ROOF SECTION  
Scale 2" = 1'-0"



5 ROOF DETAIL  
Scale 2" = 1'-0"

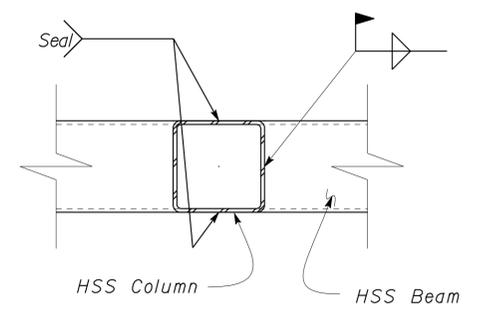
DESIGN	BY	Justin Uyehara	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST1-9
	DETAILS	BY	Justin Uyehara	CHECKED			Joseph Camilleri		
QUANTITIES	BY		CHECKED		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEMWW Imperial Rev. 7/10		0 1 2 3		3140 03000011201		07-14-10		EA 1F4301	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		56	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 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.					

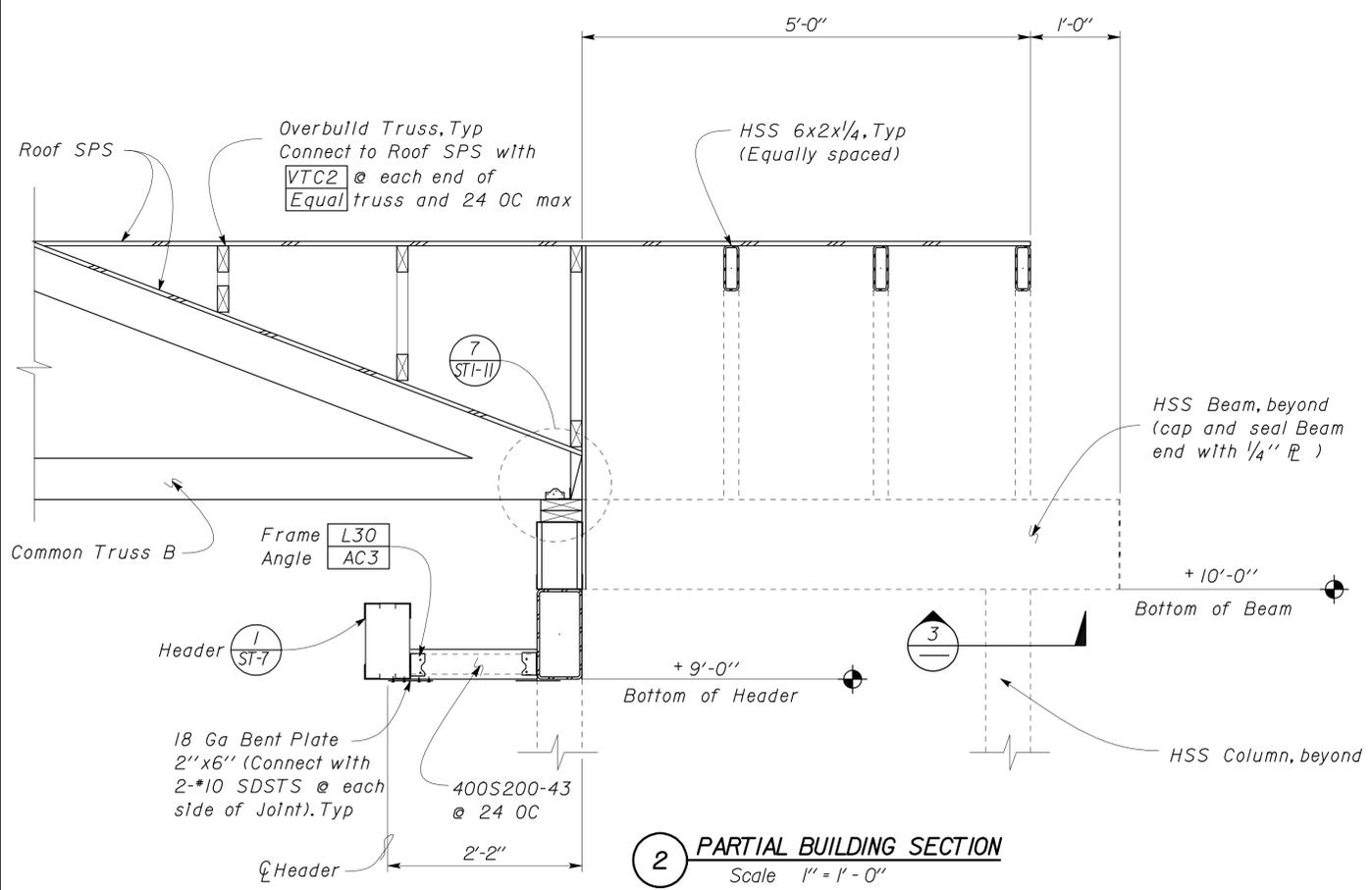


**1 PARTIAL BUILDING SECTION**  
Scale 1" = 1'-0"

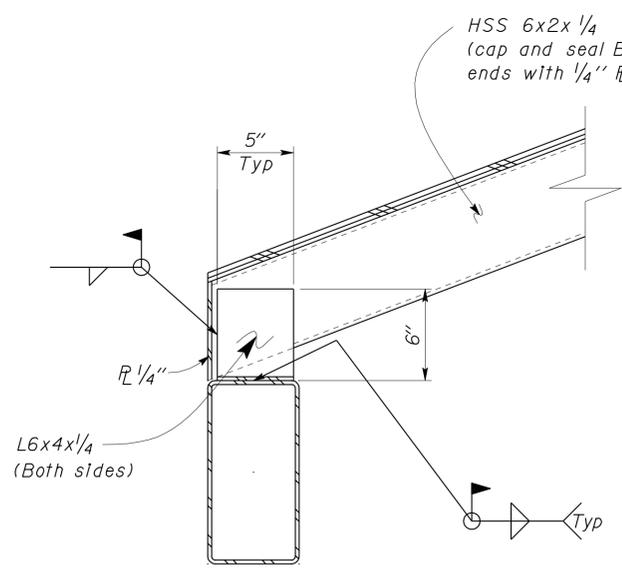
Note:  
Common Truss B not shown beyond



**3 COLUMN TO BEAM CONNECTION**  
Scale 2" = 1'-0"

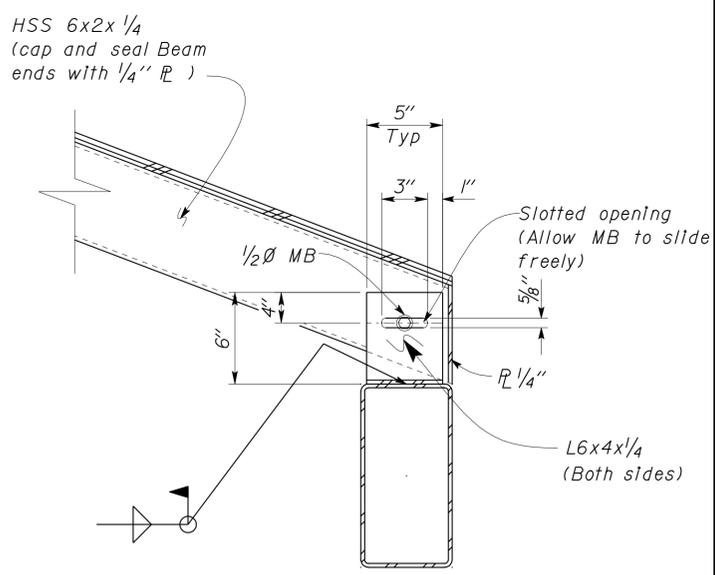


**2 PARTIAL BUILDING SECTION**  
Scale 1" = 1'-0"



**4 RAFTER TO BEAM CONNECTION**  
Scale 2" = 1'-0"

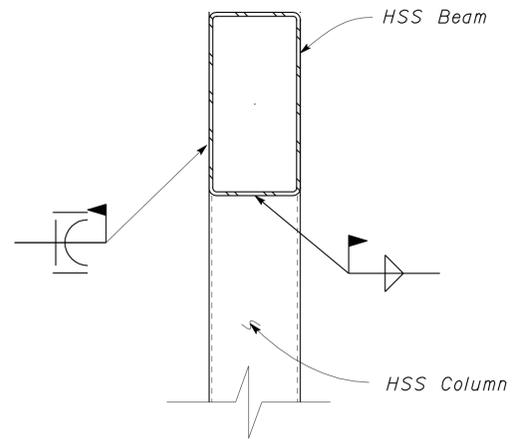
Note:  
Welding Callout applies to both sides of L6x4x1/4



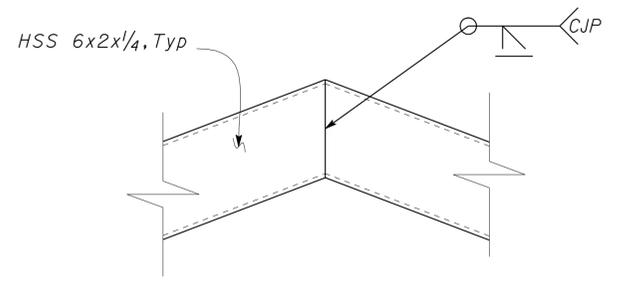
**5 RAFTER TO BEAM CONNECTION**  
Scale 2" = 1'-0"

DESIGN	BY	Justin Uyehara	CHECKED	Joseph Camilleri	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET ST1-10	
	DETAILS	BY	Justin Uyehara	CHECKED						Joseph Camilleri
QUANTITIES	BY		CHECKED		UNIT	3140	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	PROJECT NUMBER & PHASE	03000011201
TAEMWW Imperial Rev. 7/10					EA 1F4301		D:\user\Projects\Dist_03\01F4301_northgate_ms\expd\1fe\st1_10.dgn			

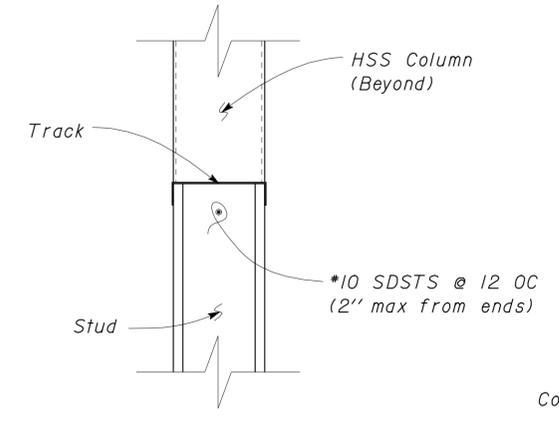
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		57	84
 REGISTERED CIVIL ENGINEER			12-09-10 DATE		
3-7-11 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



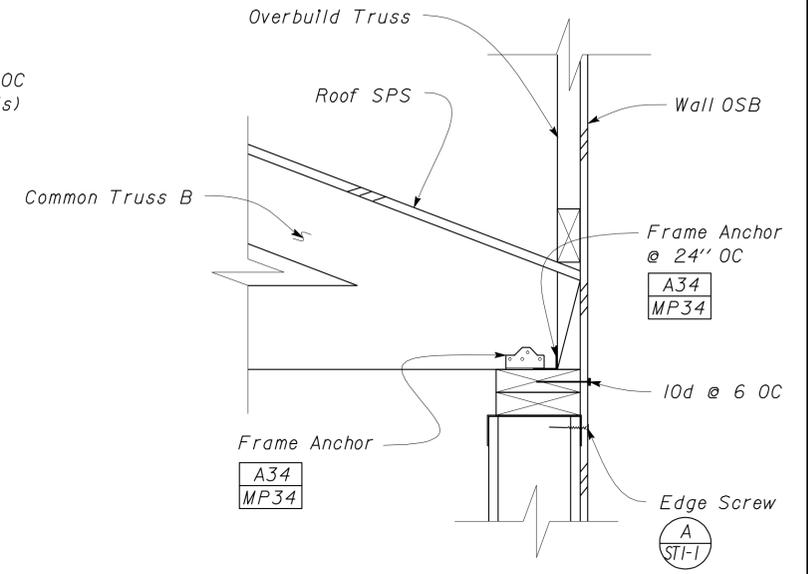
**1 BEAM TO COLUMN CONNECTION**  
 Scale 2" = 1'-0"



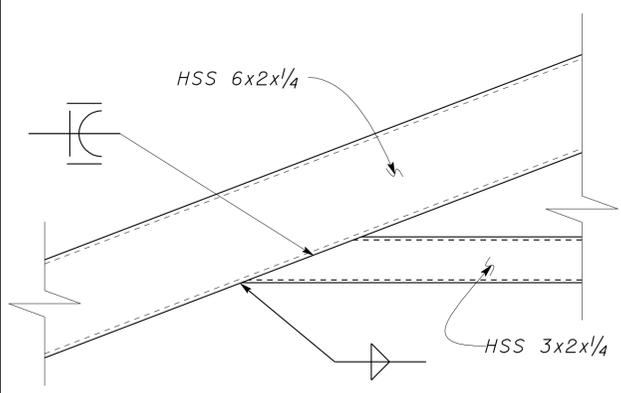
**3 HSS CONNECTION DETAIL**  
 Scale 2" = 1'-0"



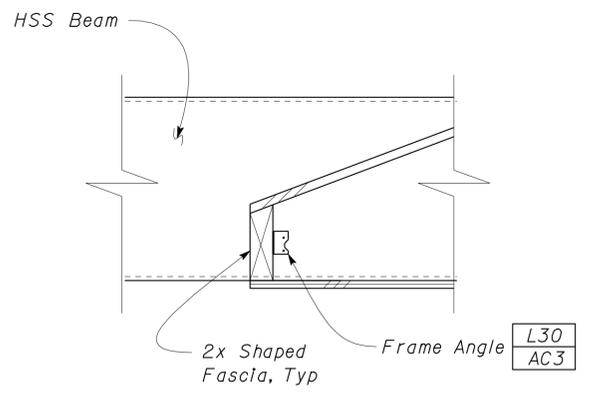
**5 STUD CONNECTION DETAIL**  
 Scale 2" = 1'-0"



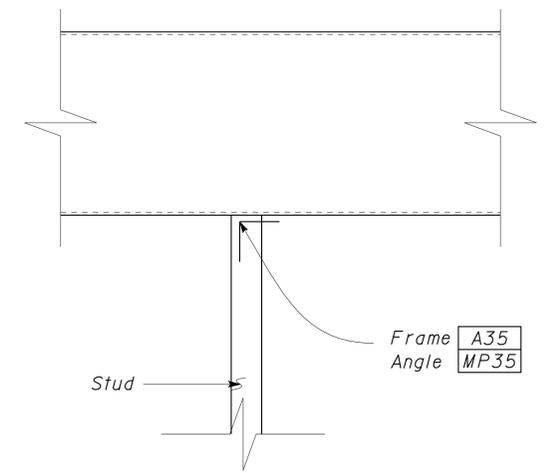
**7 ROOF SECTION**  
 Scale 2" = 1'-0"



**2 HSS CONNECTION DETAIL**  
 Scale 2" = 1'-0"



**4 FASCIA TO HSS BEAM CONNECTION**  
 Scale 2" = 1'-0"



**6 STUD CONNECTION DETAIL**  
 Scale 2" = 1'-0"

DESIGN BY Justin Uyehara CHECKED Joseph Camilleri DETAILS BY Justin Uyehara CHECKED Joseph Camilleri QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET <b>ST1-11</b>
			POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE 3140 03000011201 EA 1F4301	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
03	Sac	5736		58	84

12/15/10  
REGISTERED ENGINEER-ELECTRICAL DATE

3-7-11  
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:   
Approval date: 11-18-2010

**PLUMBING**

- Cold Water
- A— Compressed Air
- G— Gas
- D— Equipment Drain
- F— Fire Water
- Hot Water
- Hot Water Return
- LPG— Liquefied 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    | Air Compressor                       | GLV  | Globe Valve                               | RA   | Return Air                   |
| AD    | Air Drop                             | GPM  | Gallons Per Minute                        | RCP  | Reinforced Concrete Pipe     |
| AH    | Air Handler                          | GSP  | Galvanized Steel Pipe                     | REQ  | Required                     |
| ATF   | Automatic Transmission Fluid         | GV   | Gate Valve                                | RH   | Radiant Heater               |
| AWG   | American Wire Gauge                  | GWH  | Gas Water Heater                          | RV   | Relief Valve                 |
|       |                                      | GYP  | Gypsum                                    | S/S  | Service Sink                 |
| BFP   | Backflow Preventer                   | H    | Height                                    | SA   | Supply Air                   |
| BLDG  | Building                             | HB   | Hydrant Box                               | SAS  | Sal Switch                   |
| BTU   | British Thermal Unit                 | HF   | Hose Faucet                               | SCH  | Schedule                     |
| BTUH  | British Thermal Unit Per Hour        | hp   | Horse Power                               | SD   | Storm Drain                  |
| BV    | Balancing Valve                      | HP   | Heat Pump                                 | SF   | Supply Fan                   |
|       |                                      | HVAC | Heating, Ventilating And Air Conditioning | SHR  | Shower                       |
| C     | Conduit                              | HVL  | Heat/Vent/Light                           | SP   | Static Pressure              |
| CD    | Ceiling Diffuser                     | HWR  | Hot Water Return                          | SS   | Sanitary Sewer               |
| CFM   | Cubic Feet Per Minute                | HWS  | Hot Water Supply                          | STA  | Station                      |
| CI    | Cast-Iron                            | HZ   | Hertz                                     | STD  | Standard                     |
| CO    | Cleanout                             | ID   | Inside Diameter                           | TCV  | Temperature Control Valve    |
| COTF  | Cleanout Through Floor               | IE   | Invert Elevation                          | TOT  | Total                        |
| COTG  | Cleanout To Grade                    | IN   | Inch                                      | TS   | Time Switch                  |
| COTW  | Cleanout To Wall                     | IPS  | International Pipe Standard               | TWH  | Tankless Water Heater        |
| CU    | Condensing Unit                      | KS   | Kitchen Sink                              | TYP  | Typical                      |
| CW    | Cold Water                           | KW   | Kilowatt                                  | UH   | Unit Heater                  |
|       |                                      | LAV  | Lavatory                                  | UR   | Urinal                       |
| D     | Depth                                | LPG  | Liquefied Petroleum Gas                   | UTL  | Under Truck Lights           |
| DB    | Dry Bulb                             | MAX  | Maximum                                   | V    | Volts                        |
| DEF   | Declassification Fan                 | MAN  | Manhole                                   | VAC  | Voltage, Alternating Current |
| DEG   | Degree                               | MIN  | Minimum                                   | VCP  | Vitrified Clay Pipe          |
| DH    | Duct Heater                          | MS   | Mop Sink                                  | VR   | Vent Riser                   |
| DIA   | Diameter                             | NIC  | Not In Contract                           | VTR  | Vent Through Roof            |
| (E)   | Existing                             | NO   | Number                                    | W    | Watts                        |
| EA    | Exhaust Air                          | NPT  | National Pipe Thread                      | W/   | With                         |
| EC    | Evaporative Cooler                   | NST  | National Standard Thread                  | W/H  | Wall Hydrant                 |
| EEHR  | Exhaust Evacuation Hose Reel and Fan | OA   | Outside Air                               | W/O  | Without                      |
| EEW   | Emergency Eyewash                    | OC   | On Center                                 | WB   | Wet Bulb                     |
| EEW&S | Emergency Eyewash And Shower         | OD   | Outside Diameter                          | WC   | Water Closet                 |
| EF    | Exhaust Fan                          | OG   | Original Ground                           | W.C. | Water Column                 |
| EL    | Elevation                            | PCC  | Portland Cement Concrete                  | WF   | Wash Fountain                |
| EWC   | Electric Water Cooler                | PEX  | Cross Linked polyethylene                 | WHA  | Water Hammer Arrestor        |
| EWB   | Electric Water Heater                | PH   | Phase                                     | WLS  | Water Level Switch           |
|       |                                      | PV   | Post Indicating Valve                     | WP   | Weatherproof                 |
| F     | Fahrenheit                           | POC  | Point Of Connection                       | WS   | Wash Sink                    |
| FD    | Floor Drain                          | PR   | Pressure Regulator                        | WSP  | Welded Steel Pipe            |
| FDC   | Fire Department Connection           | PRV  | Pressure Reducing Valve                   |      |                              |
| FE    | Fire Extinguisher                    | PSI  | Pounds Per Square Inch                    |      |                              |
| FEF   | Fume Exhaust Fan                     | PVC  | Polyvinyl Chloride                        |      |                              |
| FG    | Finish Grade                         |      |   |      |                              |
| FH    | Fire Hydrant                         |      |   |      |                              |
| FL    | Flow Line                            |      |   |      |                              |
| FT    | Feet                                 |      |   |      |                              |
| FUR   | Furnace                              |      |   |      |                              |

**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
- Exhaust Fan
- Vertical duct penetration
- Fire Extinguisher

**MISCELLANEOUS**

- L Angle
- Centerline
- Diameter
- Section / Elevation Letter
- Sheet Number
- Detail Number
- Sheet Number

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET	
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan			POST MILE		ABBREVIATIONS AND LEGENDS	M-0
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan			UNIT PROJECT NUMBER & PHASE			REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04/18/10 07/28/10 12/01/10 12/15/10		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		59	84

<i>Jack Wheeler</i>	12/15/10
REGISTERED ENGINEER-ELECTRICAL	DATE

3-7-11	PLANS APPROVAL DATE
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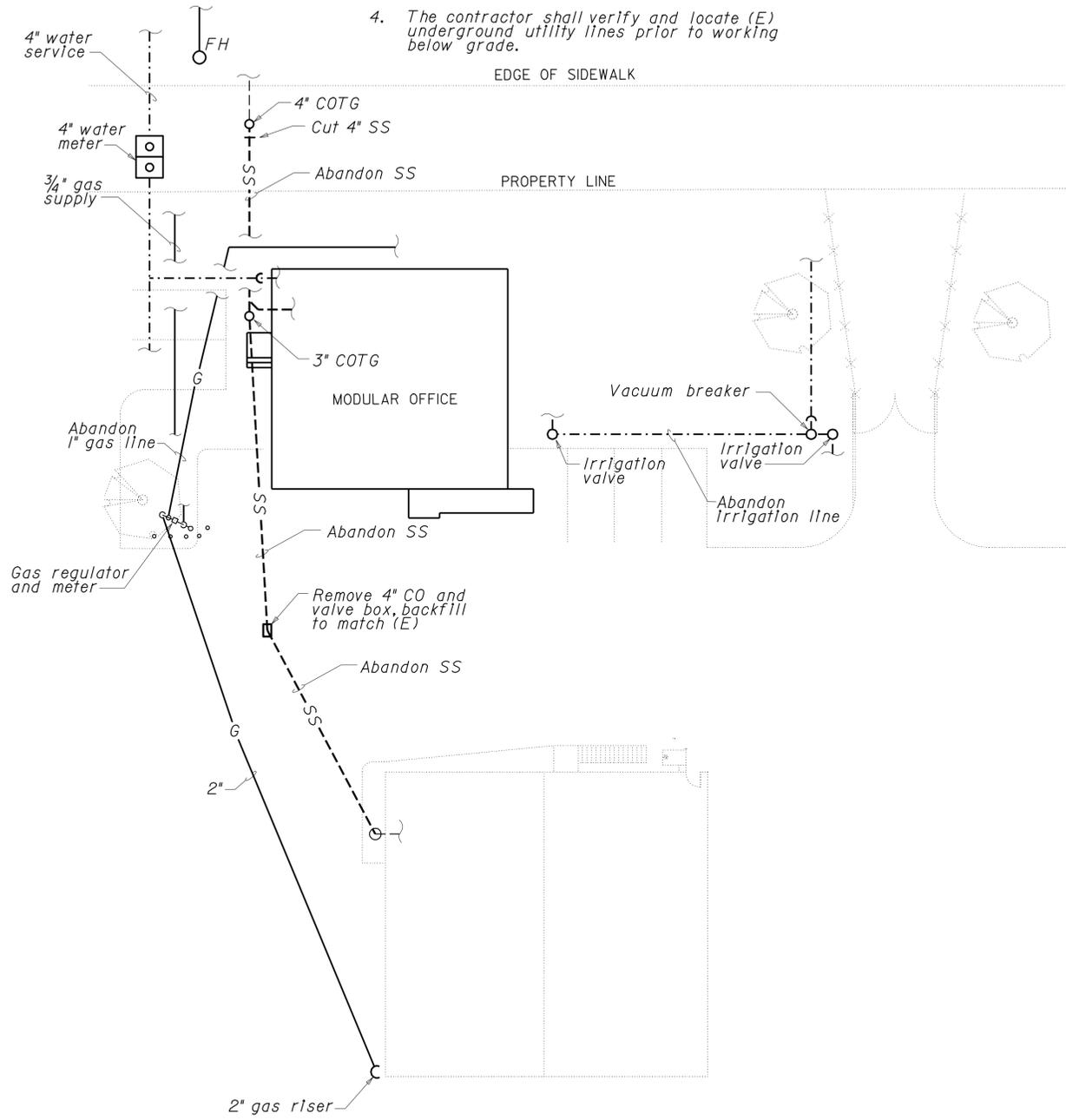
  

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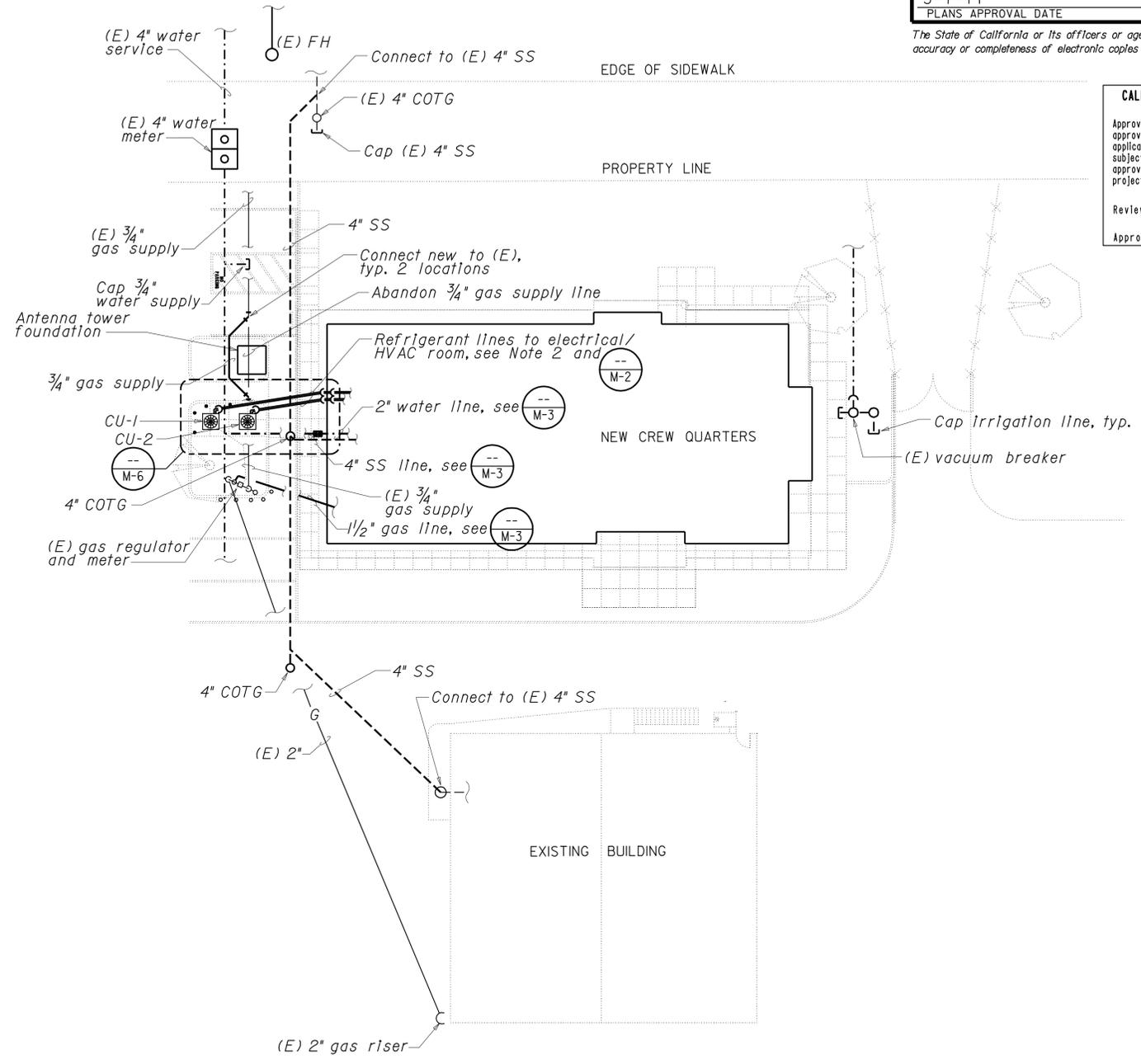
**NOTES**

1. Install new sanitary sewer prior to construction of new building. Connect existing building to new sewer and stub out sewer for new building.
2. Refrigerant lines between condensing units and building shall be installed below grade in a 4" schedule 40 PVC conduit pipe, one conduit per line set (2 total), see M-6
3. The contractor shall verify all controlling field dimensions before ordering or fabricating any material.
4. The contractor shall verify and locate (E) underground utility lines prior to working below grade.



**EXISTING SITE PLAN**

1/16" = 1'-0"



**REMODELED SITE PLAN**

1/16" = 1'-0"



**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

*Paul Schopf*  
 DESIGN SUPERVISOR  
*Jack Wheeler*  
 DESIGN ENGINEER

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES  
 ELECTRICAL-MECHANICAL-WATER  
 AND WASTEWATER DESIGN

BRIDGE NO.	
POST MILE	

**NORTHGATE MS CREW QUARTERS**  
 MECHANICAL SITE PLANS

SHEET **M-1** OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE  
 3140 03000011201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)
04/14/10 05/10/10 07/28/10 12/15/10

SHEET OF

EA 1F4301

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		60	84

12/15/10  
REGISTERED ENGINEER-ELECTRICAL DATE

3-7-11  
PLANS APPROVAL DATE

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Reviewed by: *[Signature]*

Approval date: 11-18-2010

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

Project Name: *Northgate MS Crew Quarters* Date: *August 16, 2010*

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

Name: *Solomon Wong* Signature: *Solomon C. Wong*

Company: *Department of Transportation, (CALTRANS)* Date: *August 16, 2010*

Address: *1801 30th Street* If Applicable CEA# CEPE#

City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8330*

**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: *Jack Wheeler* Signature: *[Signature]*

Company: *Department of Transportation, (CALTRANS)* Date: *August 16, 2010*

Address: *1801 30th Street* License# *M21648*

City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8352*

**Mandatory Measures**  
Indicate location on building plans of Note Block for Mandatory 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: *Northgate MS Crew Quarters* Date: *August 16, 2010* Climate Zone: *12*

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

Name: *Solomon Wong* Signature: *Solomon C. Wong*

Company: *Department of Transportation, (CALTRANS)* Date: *August 16, 2010*

Address: *1801 30th Street* If Applicable: CEA# CEPE#

City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8330*

**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: *Carlos Sanchez* Signature: *[Signature]*

Company: *Department of Transportation, (CALTRANS)* Date: *August 16, 2010*

Address: *1801 30th Street* License# *C-15201*

City/State/Zip: *Sacramento, Ca 95816* Phone: *(916)227-8219*

**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**

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

	DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b> TITLE 24 COMPLIANCE CERTIFICATES	SHEET
	DETAILS BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>			POST MILE		<b>M-1.5</b>
	QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>					
		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04/14/10 07/28/10 12/01/10 12/15/10	SHEET OF
			EA 1F4301			

**EQUIPMENT**

- Fur-1 Furnace 1 - 100,000 BTUH Input, 2,000 cfm @ 0.7 In. w.c., 3/4hp, 120V - 1 Phase
- CU-1 Condensing Unit 1 - 60,000 BTUH nominal cooling capacity, 6 kW, 208V - 1 Phase
- coil-1 Coil 1 - 60,000 BTUH nominal cooling capacity
- Fur-2 Furnace 2 - 100,000 BTUH Input, 2,000 cfm @ 0.7 In. w.c., 3/4hp, 120V - 1 Phase
- CU-2 Condensing Unit 2 - 60,000 BTUH nominal cooling capacity, 4.7 kW, 208V - 1 Phase
- coil-2 Coil 2 - 60,000 BTUH nominal cooling capacity

- HP Heat Pump (ductless) - 18,000 BTUH nominal cooling and heating capacity, 208-V, 1-Phase
- HVL Heat/Vent/Light - 100 cfm @ .125 In SP, 1500 watts heating, 36 watt fluorescent lamp max., 120-V, 1 Phase
- EF-1 Ceiling Exhaust Fan 1 - 125 cfm @ .25 In SP, 120-V, 1-Phase
- EF-2 Ceiling Exhaust Fan 2 - 250 cfm @ .25 In SP, 120-V, 1-Phase
- EF-3 Ceiling Exhaust Fan 3 - 225 cfm @ .25 In SP, 120-V, 1-Phase
- EF-4 Ceiling Exhaust Fan 4 - 125 cfm @ .25 In SP, 120-V, 1-Phase
- EF-5 Ceiling Exhaust Fan 5 - 200 cfm @ .25 In SP, 120-V, 1-Phase

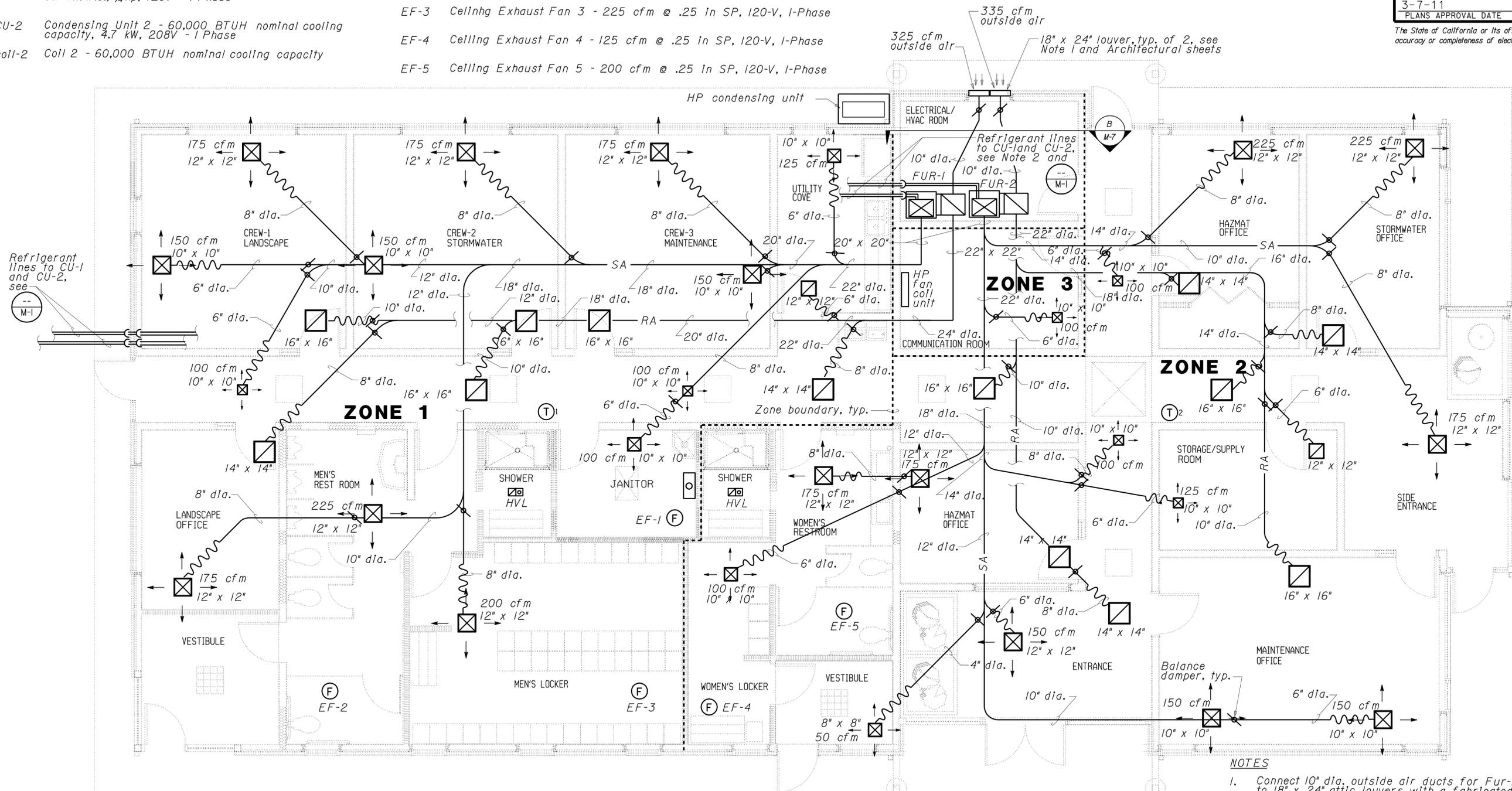
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		61	84

12/15/10  
REGISTERED ENGINEER-ELECTRICAL DATE

3-7-11  
PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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Reviewed by: [Signature]  
Approval date: 11-18-2010



**HVAC PLAN**  
1/4" = 1'-0"  
PLAN NORTH

- NOTES**
1. Connect 10" dia. outside air ducts for Fur-1 and Fur-2 to 18" x 24" attic louvers with a fabricated sheet metal transition.
  2. Refrigerant lines shall be long-line type, and shall be sized to restrict cooling capacity loss to 1 percent based upon manufacturer's guidelines. The required length of the refrigerant lines shall be determined by the contractor. Refrigerant line sizing shall be submitted with the A/C equipment for approval.
  3. Flexible duct shall be 6 ft in length maximum at air devices.

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES  
ELECTRICAL-MECHANICAL-WATER  
AND WASTEWATER DESIGN

BRIDGE NO.  
POST MILE

UNIT PROJECT NUMBER & PHASE  
3140  
03000011201

**NORTHGATE MS CREW QUARTERS**  
HVAC PLAN

SHEET **M-2**

REVISION DATES (PRELIMINARY STAGE ONLY)  
04/18/10 07/28/10 12/15/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



DISREGARD PRINTS BEARING EARLIER REVISION DATES

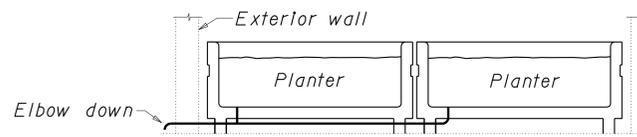
EA 1F4301

**EQUIPMENT**

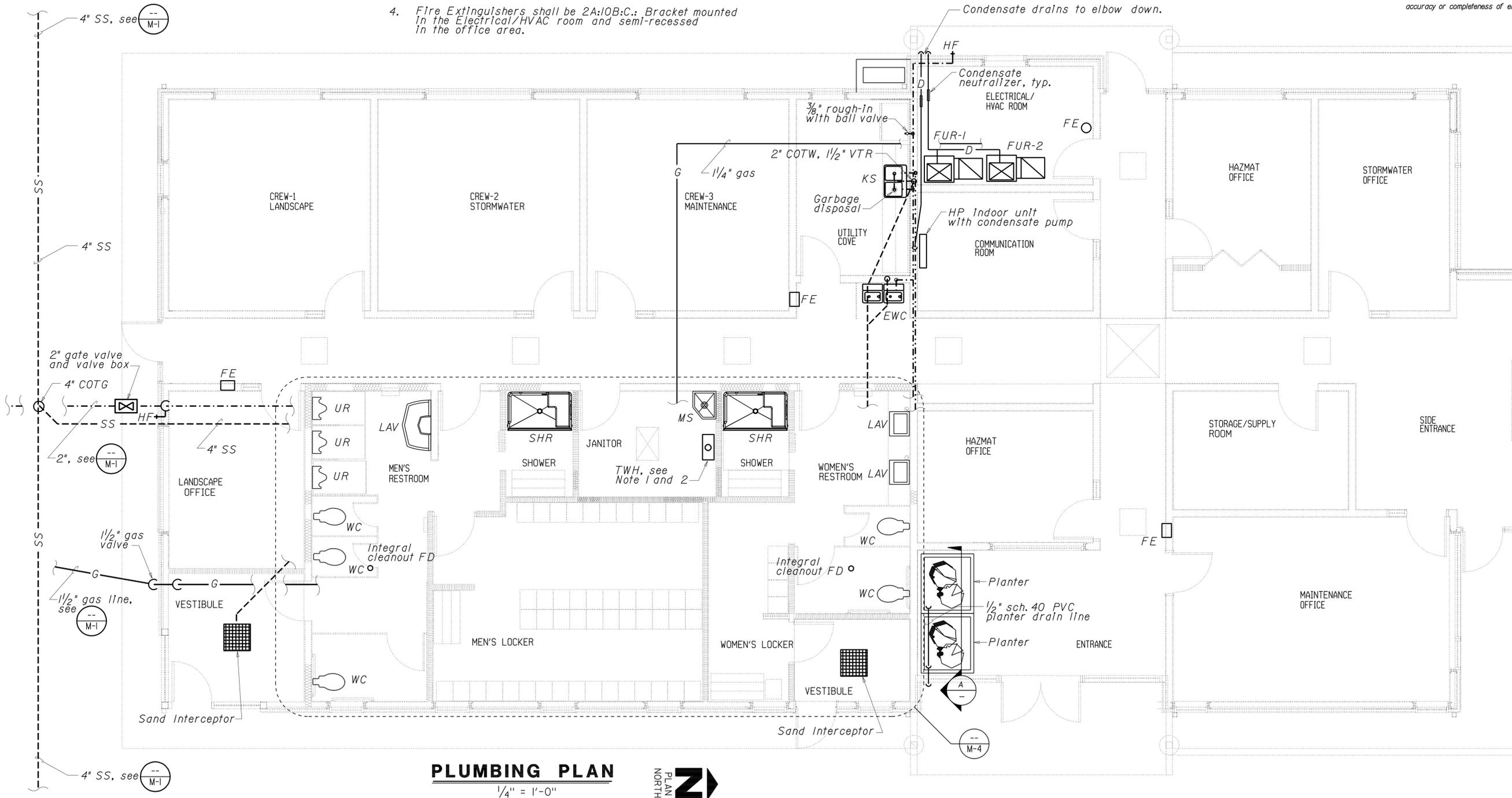
TWH Tankless Water Heater (gas) - 200,000 BTUH Input, 8.4 gpm at 45 deg temp rise.

**NOTES**

1. Tankless water heater condensate line shall have a condensate neutralizer installed. Condensate line and relief valve discharge shall elbow down over the edge of the mop sink. Size according to manufacturer's recommendation.
2. Tankless water heater flue and combustion air intake shall terminate through the roof in a concentric vent kit.
3. Furnace condensate lines shall have condensate neutralizers installed prior to discharge.
4. Fire Extinguishers shall be 2A:10B:C.; Bracket mounted in the Electrical/HVAC room and semi-recessed in the office area.



**A PLANTER SECTION**  
No Scale



**PLUMBING PLAN**  
1/4" = 1'-0"



THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		62	84

REGISTERED ENGINEER-ELECTRICAL DATE 12/15/10

3-7-11 PLANS APPROVAL DATE



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Reviewed by: [Signature]

Approval date: 11-18-2010

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES  
ELECTRICAL-MECHANICAL-WATER  
AND WASTEWATER DESIGN

BRIDGE NO.  
POST MILE

**NORTHGATE MS CREW QUARTERS**  
PLUMBING PLAN

SHEET **M-3**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE  
3140 03000011201

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)									
	04/14/10	07/28/10	12/15/10						

SHEET OF

EA 1F4301



PLUMBING SCHEDULE					
FIXTURE	DRAINAGE ROUGH IN	TRAP SIZE	VENT SIZE	MINIMUM CONNECTIONS	
				COLD WATER	HOT WATER
LAVATORY	2"	1 1/2"	2"	1/2"	1/2"
WASH FOUNTAIN	2"	1 1/2"	2"	3/4"	3/4"
WATER CLOSET	3"	--	2"	3/4"	--
URINAL	2"	2"	2"	1"	--
SHOWER	2"	2"	2"	3/4"	3/4"
ELECTRIC WATER COOLER	2"	2"	2"	3/4"	--
FLOOR DRAIN	2"	2"	2"	--	--
MOP SINK	3"	3"	2"	3/4"	3/4"
KITCHEN SINK	2"	1 1/2"	2"	3/4"	3/4"
HOSE FAUCET	--	--	--	3/4"	--

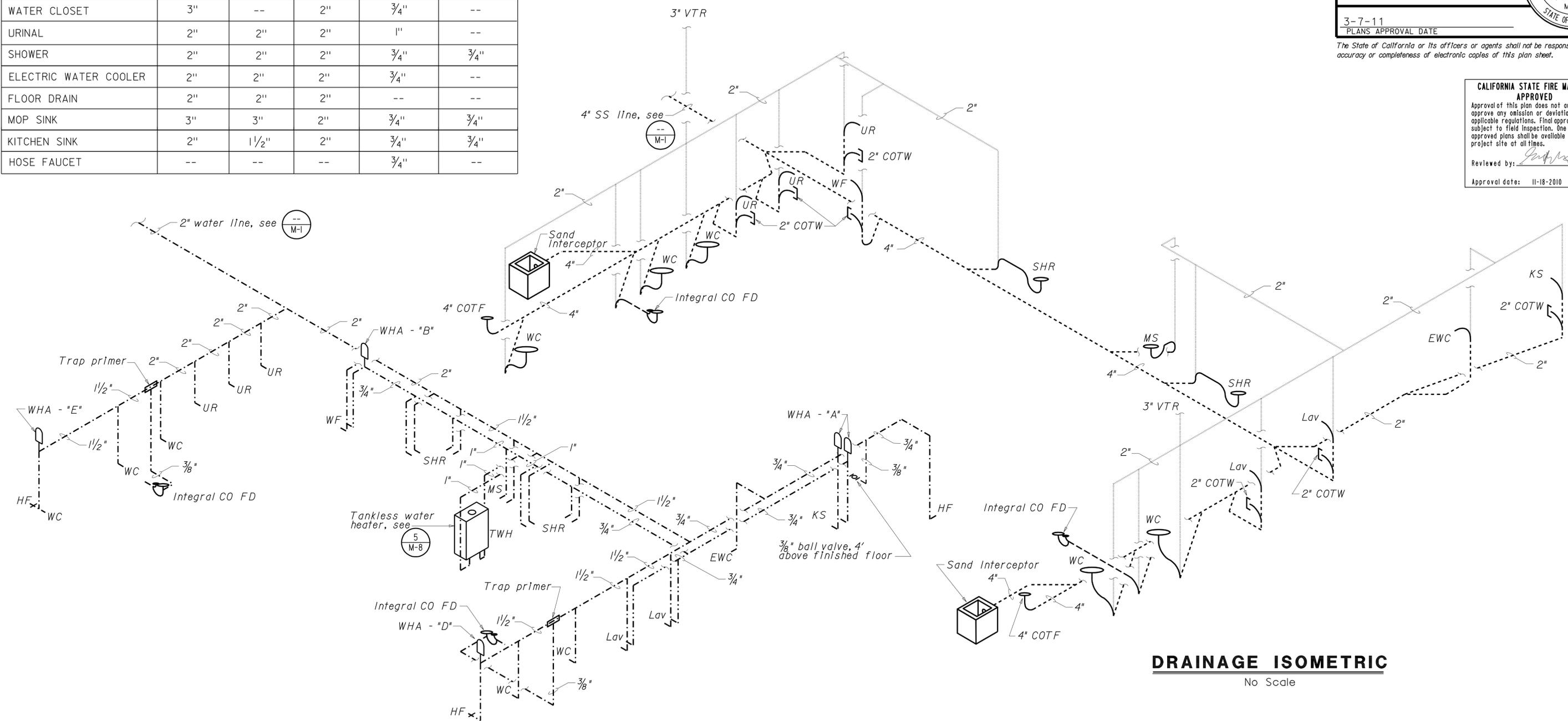
**NOTES**  
 1. Water hammer arrestors and trap primers shall be installed for accessibility from the attic space or through access doors in walls.

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		64	84
REGISTERED ENGINEER-ELECTRICAL			DATE	12/15/10	
3-7-11			PLANS APPROVAL DATE		



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 Reviewed by: [Signature]  
 Approval date: 11-18-2010



**WATER SUPPLY ISOMETRIC**  
 No Scale

**DRAINAGE ISOMETRIC**  
 No Scale

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DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES  
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE NO.	
POST MILE	

**NORTHGATE MS CREW QUARTERS**  
 PLUMBING ISOMETRICS

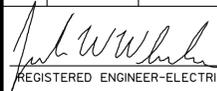
SHEET **M-5**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



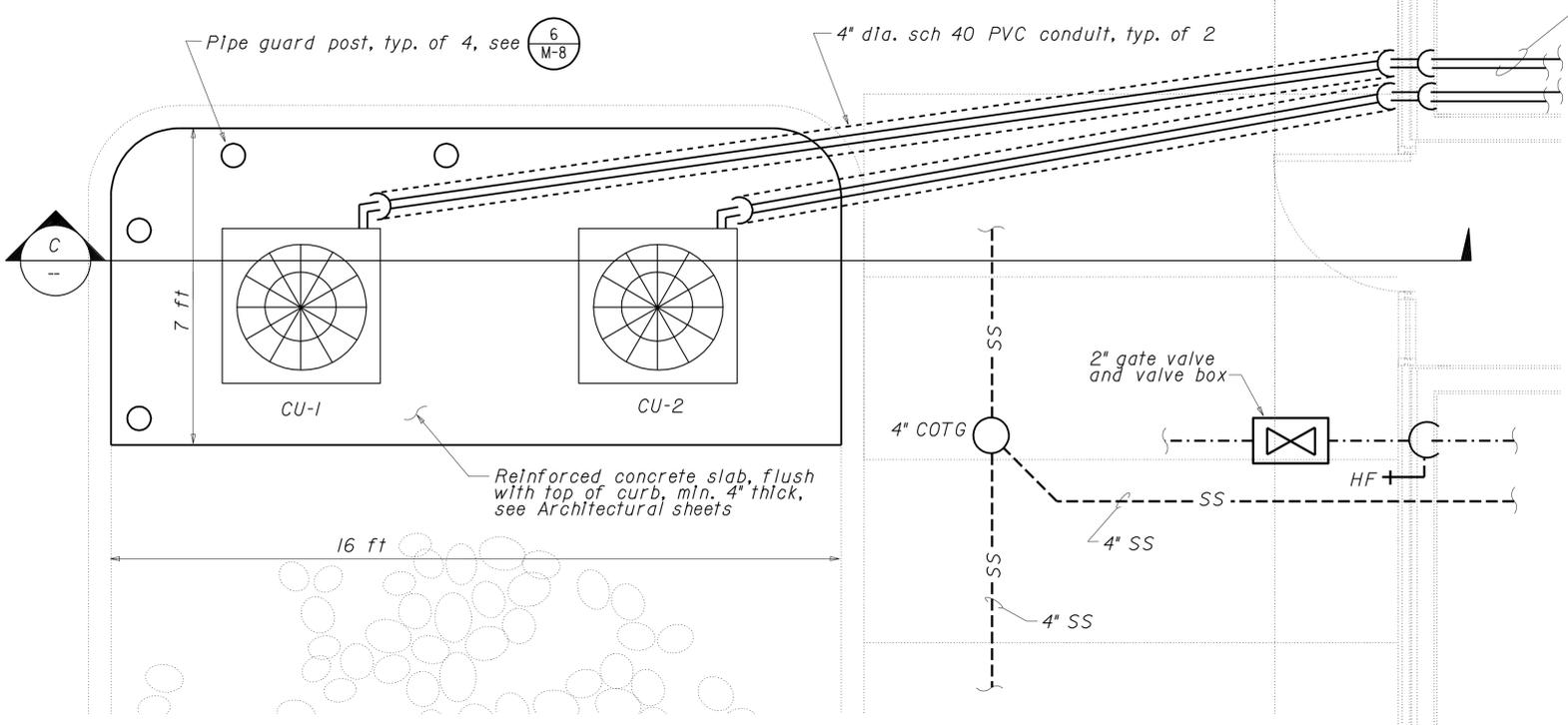
UNIT PROJECT NUMBER & PHASE  
 3140 03000011201

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	04/14/10 07/28/10 12/15/10	VI-1

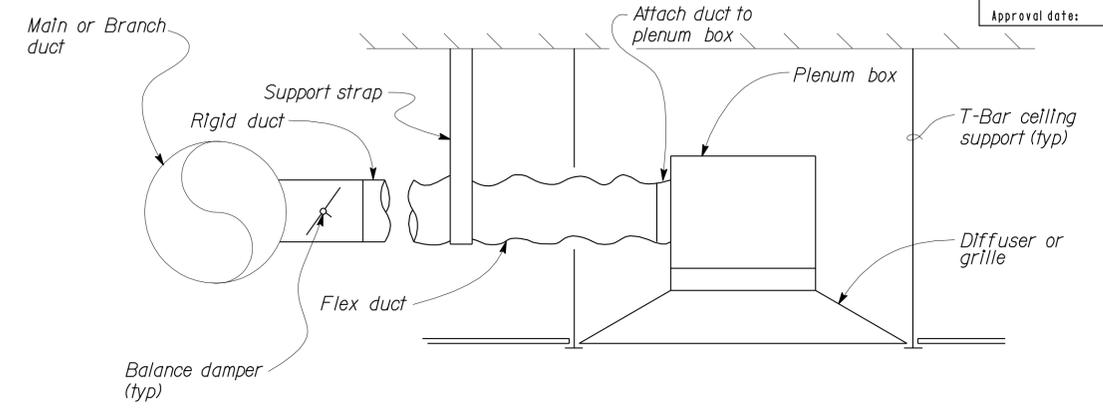
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		65	84
 REGISTERED ENGINEER-ELECTRICAL			12/15/10 DATE		
3-7-11 PLANS APPROVAL DATE					

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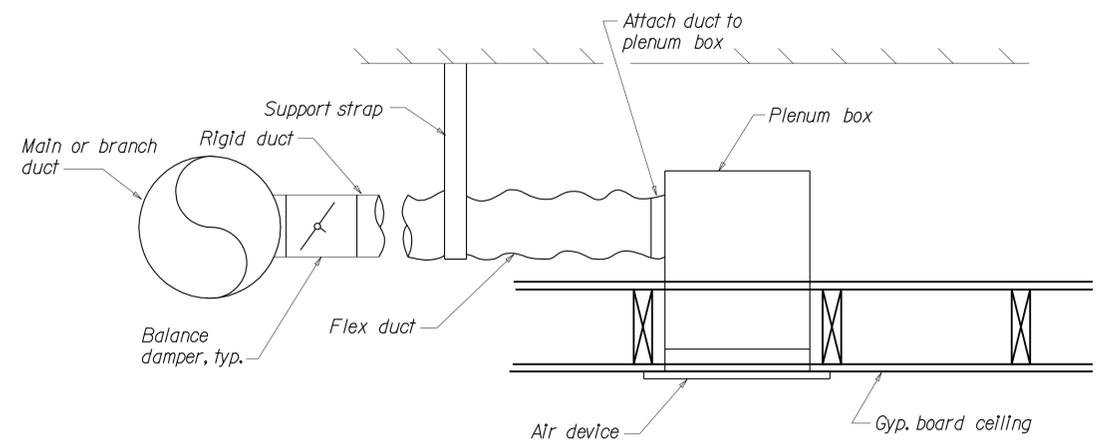
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by:   
 Approval date: 11-18-2010



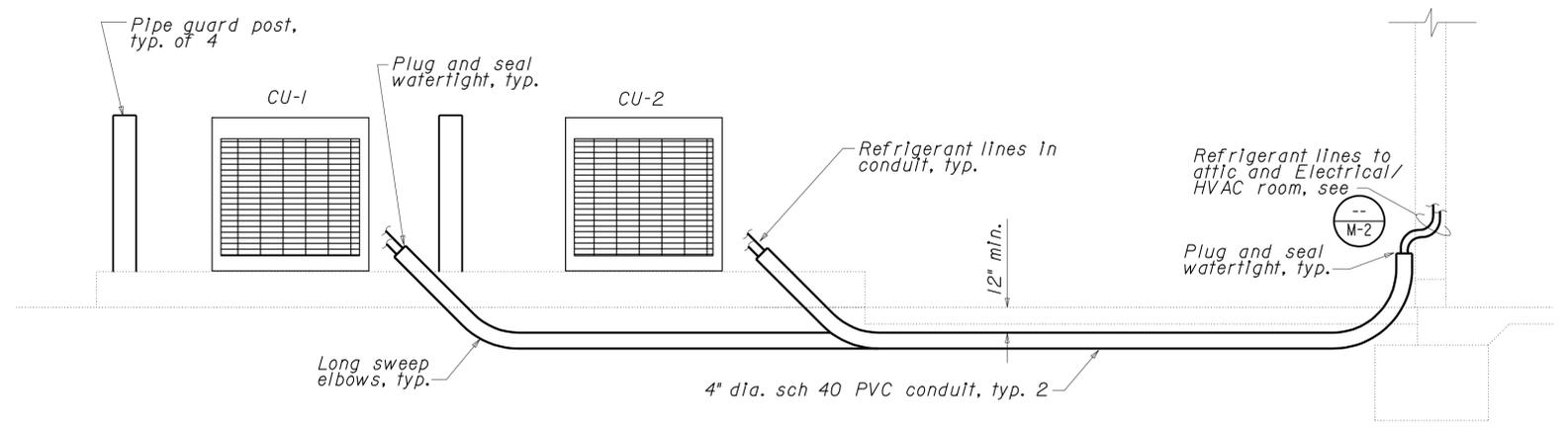
**PARTIAL PLAN**  
 1/2" = 1'-0"  
 PLAN NORTH



**2 DUCT TO AIR DEVICE DETAIL (T-BAR)**  
 No Scale



**1 DUCT TO AIR DEVICE DETAIL (GYP. BOARD)**  
 No Scale



**C REFRIGERANT LINE SECTION**  
 No Scale

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF STRUCTURES  
 ELECTRICAL-MECHANICAL-WATER  
 AND WASTEWATER DESIGN

BRIDGE NO.	
POST MILE	

**NORTHGATE MS CREW QUARTERS**  
 HVAC DETAILS

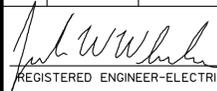
SHEET **M-6** OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

UNIT PROJECT NUMBER & PHASE  
 3140 03000011201

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
	04/18/10 07/28/10 12/15/10

SHEET OF VI-1

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		66	84
 REGISTERED ENGINEER-ELECTRICAL			DATE		
3-7-11			PLANS APPROVAL DATE		

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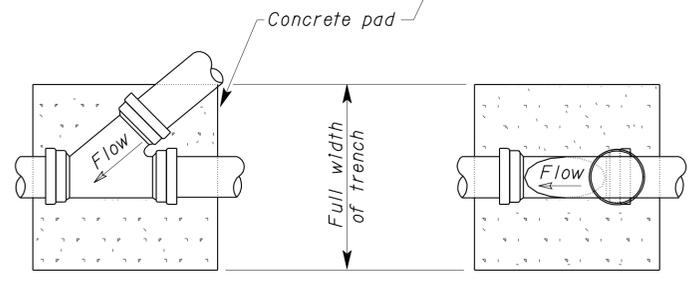
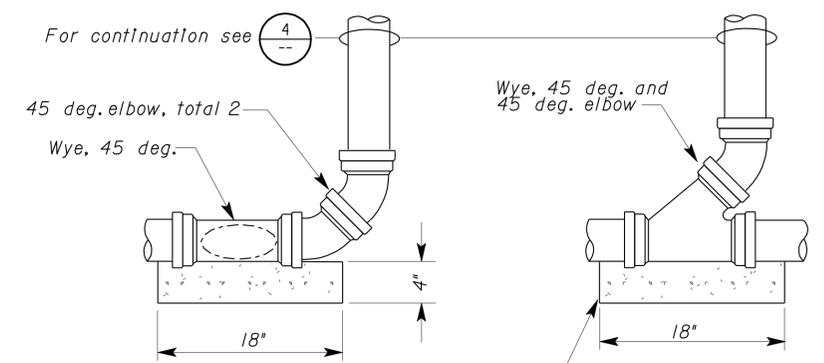
**NOTES**  
 1. See M-3 for condensate line details.

22" x 22" square to 22" dia. round transition, typ., beyond in attic space  
 10" dia. OA duct to 18" x 24" louver, see M-2 and A-5  
 20" x 20" square to 22" dia. round transition, typ., beyond in attic space  
 10" dia. OA duct to 18" x 24" louver, see M-2 and A-5

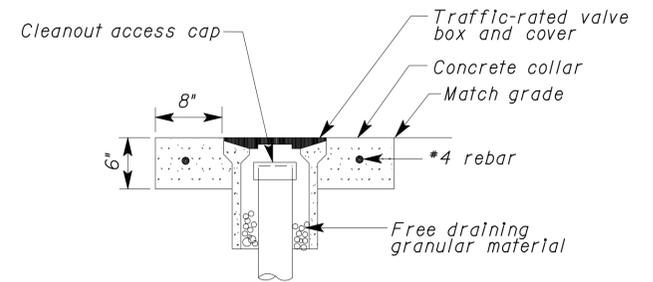
Refrigerant lines to CU-2, see M-1 M-2

1/4" gas line, see M-3

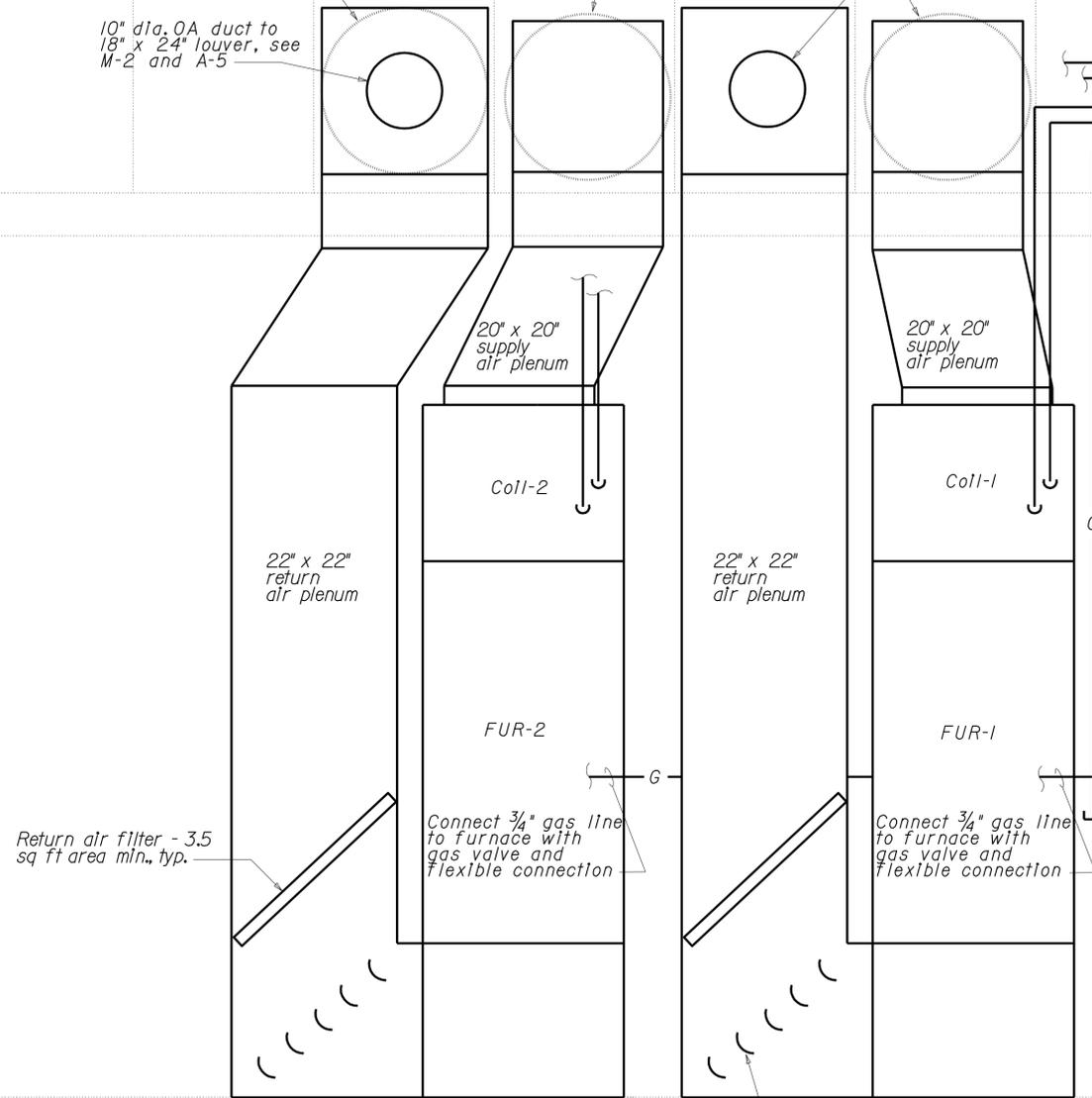
Refrigerant lines to CU-1, see M-1 M-2



**3 CLEANOUT TO GRADE**  
 No Scale



**4 ACCESS BOX**  
 No Scale



**B FURNACE SECTION**  
 No Scale

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY Thomas Dietsch	CHECKED Alvin Kwan
DETAILS	BY Thomas Dietsch	CHECKED Alvin Kwan
QUANTITIES	BY Thomas Dietsch	CHECKED Alvin Kwan

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

BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET M-7
POST MILE		
MISC. DETAILS		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT PROJECT NUMBER & PHASE 3140 03000011201

DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	04/18/10 07/28/10 12/15/10	

EA 1F4301

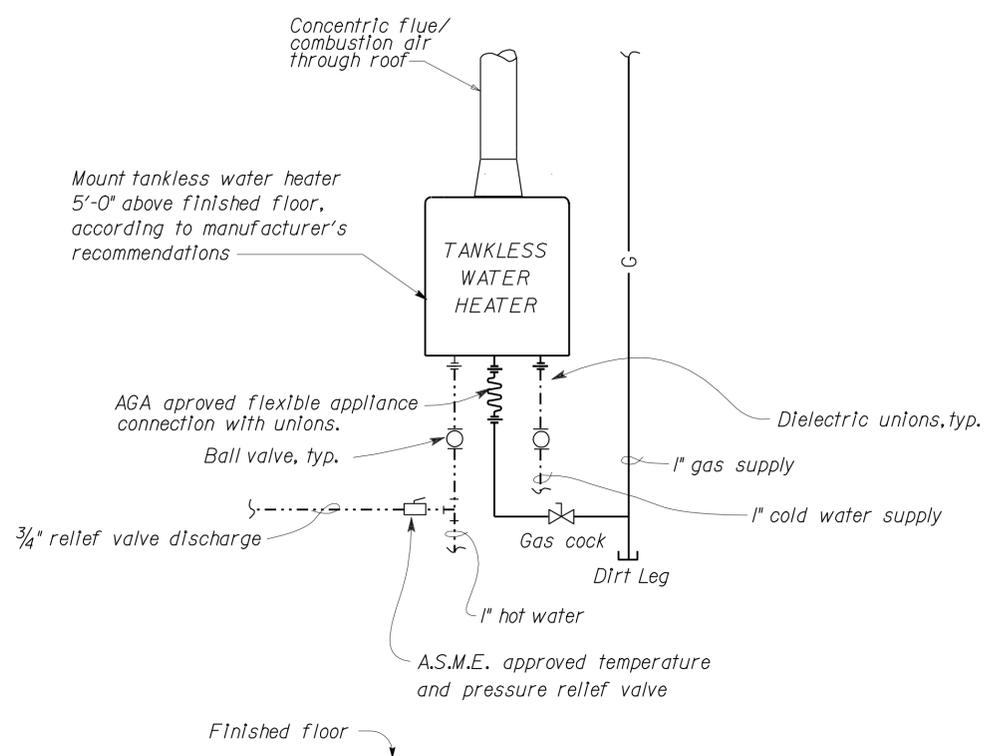
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		67	84

REGISTERED ENGINEER-ELECTRICAL DATE 12/15/10  
 REGISTERED ENGINEER-ELECTRICAL DATE 12/15/10  
 3-7-11  
 PLANS APPROVAL DATE

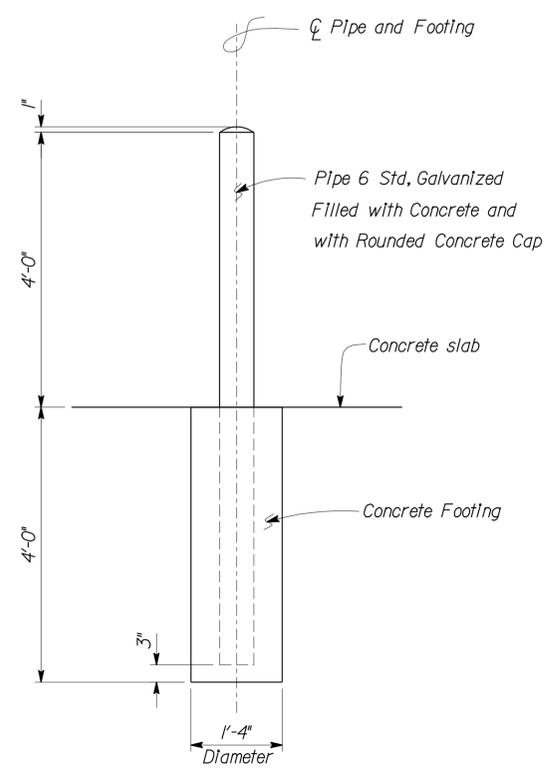


The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

**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]*  
 Approval date: 11-18-2010



**5 TANKLESS WATER HEATER (GAS)**  
No Scale



**6 PIPE GUARD POST DETAIL**  
No Scale

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> DETAILS BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i> QUANTITIES BY <i>Thomas Dietsch</i> CHECKED <i>Alvin Kwan</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF STRUCTURES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. POST MILE	<b>NORTHGATE MS CREW QUARTERS</b> MISC. DETAILS 2	SHEET <b>M-8</b> OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04/18/10 07/28/10 12/15/10	SHEET OF
	EA 1F4301	VI-1			

**GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS**

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

SYMBOL	DESCRIPTION
SOC1	WALL SWITCH OCCUPANCY SENSOR, TYPE 1
SOC2	WALL SWITCH OCCUPANCY SENSOR, TYPE 2
S <sub>M</sub>	MOTION SENSOR SWITCH
S <sub>T</sub>	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
S <sub>HP</sub>	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
T <sub>s</sub>	TIMER SWITCH
S <sub>S</sub>	SWITCH AND SINGLE RECEPTACLE
S <sub>S</sub>	SWITCH AND DUPLEX RECEPTACLE
	HAND DRYER NOZZLE
	HAND DRYER
	RADIO OUTLET
	COMMUNICATION OUTLET
	SOUND SYSTEM LOUD SPEAKER OUTLET
	PUSHBUTTON
	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	PUSHBUTTON STATION MOTOR CONTROL
	BUZZER
	BELL
	COMBINATION BELL-BUZZER
	THERMOSTAT
	PRESSURE SWITCH
	CONTROL RELAY
	FLOW SWITCH
	PHOTOELECTRIC CELL
	RADIO OUTLET
	TELEVISION OUTLET
	MICROPHONE OUTLET
	FLUSH-MOUNTED PANELBOARD AND CABINET
	SURFACE-MOUNTED PANELBOARD AND CABINET
	LIGHTING PANEL
	POWER PANEL
	COMBINATION LIGHTING AND POWER
	MOTOR CONTROLLER
	DISCONNECT SWITCH
	CONDUIT CONCEALED IN CEILING OR WALL
	CONDUIT CONCEALED IN FLOOR
	CONDUIT EXPOSED
	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES #12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH #12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT SHALL BE 1/2" UNLESS OTHERWISE NOTED.
	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT.
	SURFACE METAL RACEWAY
	CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	CONDUIT, RIGID STEEL, UNDERGROUND
	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	POLE

SYMBOL	DESCRIPTION
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	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-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PULL BOX (TRAFFIC RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	POWER PACK
	COMBINATION HEAT, LIGHT AND FAN UNIT
	AUXILLARY RELAY PACK
	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

**STANDARD NOTES**

	ABANDON, IF APPLIED TO CONDUIT, REMOVE CONDUCTORS.
	INSTALL PULL BOX IN EXISTING CONDUIT RUN.
	INSTALL CONDUIT INTO EXISTING PULL BOX.
	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED.
	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS, INSTALL PULL ROPE AND PLUG.
	REMOVE FOUNDATION ABOVE GRADE AND ABANDON FOUNDATION BELOW GRADE.
	RELOCATE EQUIPMENT.
	RELOCATED EQUIPMENT.
	SPLICE NEW TO EXISTING CONDUCTORS.

**STANDARD PLANS**

DATED MAY, 2006  
RSP ES-1A  
RSP ES-1B  
RSP ES-1C  
• ES-8

**GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS**

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

**PROJECT NOTES**

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

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		68	84

Tommy F. Lee 12-15-10  
REGISTERED ELECTRICAL ENGINEER DATE

3-7-11  
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.



**ABBREVIATIONS**

**CALIFORNIA STATE FIRE MARSHAL APPROVED**

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Reviewed by:

Approval date: 11-18-2010

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

DESIGN	BY Tommy F. Lee	CHECKED Javid Amirazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET
DETAILS	BY Tommy F. Lee	CHECKED Javid Amirazodi		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		EE-0.0
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amirazodi		LEGEND			

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

Project Name: NORTHGATE MAINTENANCE STATION CREW QUARTERS Date: 8/23/10  
 Project Address: 3940 ROSIN COURT SACRAMENTO, CA 95834 Total Hardscape Illuminated Area: 1,000 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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION Date: 8/23/10

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

City/State/Zip: SACRAMENTO, CA 95816 Phone: (916) 227-8153

**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: TOMMY F. LEE Signature: *Tommy F. Lee*

Company: CA DEPARTMENT OF TRANSPORTATION Phone: (916) 227-8153

Address: 1801 30TH STREET, MS9-3/11H License # E 18534

City/State/Zip: SACRAMENTO, CA 95816 Date: EXP 12-31-10

**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: EE-5

**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: NORTHGATE MAINTENANCE STATION CREW QUARTERS Date: 8/23/10  
 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)				
MH1	Recessed/Surface, 70W Metal Halide, Integral Ballast	FC	95	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	95	<input type="checkbox"/>	<input type="checkbox"/>
MH2	Wall Mount, 70W Metal Halide, Integral Ballast	FC	95	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	9	855	<input type="checkbox"/>	<input type="checkbox"/>
MH3	Wall Mount, 100W Metal Halide, Integral Ballast	FC	125	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	1	125	<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:								1075		

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	Building 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 based on the adequacy of the special justification and documentations submitted.

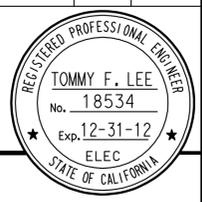
**Field Inspector Notes or Discrepancies:**

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		69	84

*Tommy F. Lee* 12-15-10  
 REGISTERED ELECTRICAL ENGINEER DATE

3-7-11  
 PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

DESIGN	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>
DETAILS	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>
QUANTITIES	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>

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

BRIDGE NO. POST MILE  
**NORTHGATE MS CREW QUARTERS**  
 OUTDOOR LIGHTING COMPLIANCE FORM I  
 SHEET **EE-0.1** OF

### CERTIFICATE OF COMPLIANCE (Page 3 of 4) OLTG-1C

Project Name: **NORTHGATE MAINTENANCE STATION CREW QUARTERS** Date: **8/23/10**

#### A. OUTDOOR LIGHTING ZONE

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

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

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

- The site is a government designated park, recreation area, wildlife preserve, or portion thereof, and has been designated as LZ2 or LZ3, in accordance with Table 10-114-A, because the site is contained within such a zone.
- The local jurisdiction having authority has officially adopted a change to the State Default Lighting Zone and has notified the Energy Commission by providing the materials required in S 10-114(d) to the Executive Director.
- The adopted change is posted on the Energy Commission website.

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

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

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

- The local jurisdiction having authority has officially adopted specific outdoor light levels, which are express as average or minimum footcandle levels, by following a public notification review, and comment about the proposed change.
- The local jurisdiction having authority which adopted specific outdoor light levels and has notified the Commission by providing the following materials required S 10-114(f) to the Executive Director.

#### C. ACCEPTANCE FORMS

Required Acceptance Tests

##### Designer:

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

##### Enforcement Agency:

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

Certificate of Acceptance

Luminaires Controlled				OLTG-2A
Equipment Requiring Testing	Description	Number of Like Controls	Location	Outdoor Lighting Acceptance Tests
PEC	Photoelectric cell	1	Building Exterior	

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

2008 Nonresidential Compliance Forms

August 2009

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

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

Project Name: **NORTHGATE MAINTENANCE STATION CREW QUARTERS** Date: **8/23/10**

#### ALLOWED AND INSTALLED OUTDOOR LIGHTING POWER

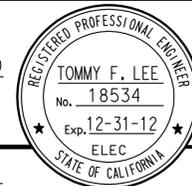
	Lighting Wattage Power Allowance
A	Lighting power allowance for general hardscape (from OLTG-2C Page 1 of 3) <b>0</b>
B	Specific application lighting wattage per unit length (from OLTG-2C Page 1 of 3) <b>0</b>
C	Specific application wattage allowance for ornamental lighting (from OLTG-2C Page 1 of 3) <b>0</b>
D	Specific application wattage allowance per application (from OLTG-2C Page 2 of 3) <b>0</b>
E	Specific application lighting wattage allowance per area (from OLTG-2C Page 2 of 3) <b>0</b>
F	Additional lighting power allowance for ordinance requirements (from OLTG-2C Page 3 of 3) <b>0</b>
G	Total Allowed Wattage=Sum of rows A through F <b>0</b>
H	Total installed Watts from Luminaire Schedule, (from OLTG-1C Page 2 of 4) <b>855</b>
Complies if installed Wattage in row H is less than or equal to the Total Installed Wattage in row G <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

2008 Nonresidential Compliance Forms

August 2009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		70	84

*Tommy F. Lee* 12-15-10  
REGISTERED ELECTRICAL ENGINEER DATE



3-7-11

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.

#### 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. The set of approved plans shall be available on the project site at all times.

Reviewed by: *[Signature]*

Approval date: 11-18-2010

DESIGN	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>
DETAILS	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>
QUANTITIES	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.  
POST MILE

**NORTHGATE MS CREW QUARTERS**  
**OUTDOOR LIGHTING COMPLIANCE FORM 2**

SHEET **EE-0.2**

CALIFORNIA ENERGY COMMISSION MANDATORY MEASURES:

BUILDING LIGHTING SHUT-OFF

- Occupancy sensors for Offices - Maintenance, Stormwater, Hazmat, Landscape; Crew rooms - Landscape, Stormwater, Maintenance; Restrooms & Lockers - Men, Women; Rooms - Electrical/HVAC, Communication, Storage; Vestibules, Utility Cove, Halls and Entrances.
- Timer switches for Combination Heat/lamp/Fan units.

INDOOR MULTI-LEVEL LIGHTING CONTROL

- Bi-level occupant sensor wall switches for Offices greater than 100 square feet.

BUILDING EXTERIOR LIGHTING

- Photoelectric cell unit.
- All exterior luminaires shall have full cut-off type light distribution.

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

Project Name: <b>NORTHGATE MAINTENANCE STATION CREW QUARTERS</b>	Date: <b>8/23/10</b>
Project Address: <b>3940 ROSIN COURT, SACRAMENTO, CA 95834</b>	Climate Zone: <b>12</b>
	Building CFA: <b>4,683 SF</b>
	Unconditioned Floor Area: <b>100 SF</b>

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: <b>TOMMY F. LEE</b>	Signature: <i>Tommy F. Lee</i>
Company: <b>CA DEPARTMENT OF TRANSPORTATION</b>	Date: <b>8/23/10</b>
Address: <b>1801 30TH STREET, MS-9-3/11H</b>	If applicable: CEA # CEPE #
City/State/Zip: <b>SACRAMENTO, CA-95816</b>	Phone: <b>(916) 227-8153</b>

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: <b>TOMMY F. LEE</b>	Signature: <i>Tommy F. Lee</i>
Company: <b>CA DEPARTMENT OF TRANSPORTATION</b>	Phone: <b>(916) 227-8153</b>
Address: <b>1801 30TH STREET, MS-9-3/11H</b>	License # <b>E 18534</b>
City/State/Zip: <b>SACRAMENTO, CA-95816</b>	Date: <b>EXP 12-31-10</b>

Lighting Mandatory Measures  
 Indicate location on building plans of Mandatory Measures Note Block: \_\_\_\_\_

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.

- LTG-1C Pages 1 through 4 Certificate of Compliance. All pages required on plans for all submittals.
- LTG-2C Lighting Controls Credit Worksheet
- LTG-3C Indoor Lighting Power Allowance
- LTG-4C Pages 1 through 4 Tailored Method Worksheet
- LTG-5C Pages 1 and 2 Line Voltage Track Lighting Worksheet

2008 Nonresidential Compliance Forms

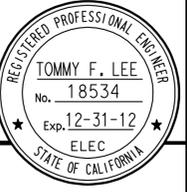
August 2009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		71	84

*Tommy F. Lee* 12-15-10  
 REGISTERED ELECTRICAL ENGINEER DATE

3-7-11  
 PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

DESIGN	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amrazodi</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET <b>EE-0.3</b> OF		
	DETAILS	BY <i>Tommy F. Lee</i>			CHECKED <i>Javid Amrazodi</i>			POST MILE	INDOOR LIGHTING COMPLIANCE FORM I
	QUANTITIES	BY <i>Tommy F. Lee</i>			CHECKED <i>Javid Amrazodi</i>				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT PROJECT NUMBER & PHASE	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	



# CERTIFICATE OF COMPLIANCE (Page 3 of 4) LTG-1C

Project Name: NORTHGATE MAINTENANCE STATION CREW QUARTERS Date: 8/23/10

## INDOOR LIGHTING SCHEDULE and FIELD ENERGY CHECKLIST

Fill in controls for all spaces: a) area controls, b) multi-level controls, c) manual daylighting controls for daylight areas > 250 sq ft, automatic daylighting controls for daylight areas > 2,500 sq ft, d) shut-off controls, e) display lighting controls, f) tailored lighting controls-general lighting controlled separately from display, ornamental and display case lighting and g) demand responsive automatic controls for retail stores > 50,000 sq ft, in accordance with Section 131.

MANDATORY LIGHTING CONTROLS - FIELD INSPECTION ENERGY CHECKLIST				Field Inspector	
Type/Description	Number of Units	Location in Building	Special Features	Pass	Fail
Wall Occupancy Sensor, Type 1	9	Elec/HVAC, Communication, Hazmat, Supply Storage, Entrance, Vestibule, Janitor	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wall Occupancy Sensor, Type 2	5	Crew-1,Crew-2,Crew-3, Lanscape, Stormwater Office	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ceiling Occupancy Sensor	11	Men, Women, Lockers, Hall, Entrance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ceiling Occupancy Sensor, 3 way switches	1	Maintenance Office	<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"/>

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

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

Field Inspectors' Notes or Discrepancies:

2008 Nonresidential Compliance Forms

August 2009

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

Project Name: NORTHGATE MAINTENANCE STATION CREW QUARTERS Date: 8/23/10

Conditioned and Unconditioned space Lighting must not be combined for compliance

Indoor Lighting Power for Conditioned Spaces		Indoor Lighting Power for Unconditioned Spaces	
Installed Lighting (from Conditioned LTG-1C Page 2)	Watts	Installed Lighting (from Unconditioned LTG-1C Page 2)	Watts
Lighting Control Credit Conditioned Spaces (from LTG-2C)	- 143	Lighting Control Credit Unconditioned Spaces (from LTG-2C)	- 6
Adjusted Installed Lighting Power	= 3,989	Adjusted Installed Lighting Power	= 56
Complies if Installed ≤ Allowed		Complies if Installed ≤ Allowed	
Allowed Lighting Power Conditioned Spaces (from LTG-3C)	4,082	Allowed Lighting Power Unconditioned Spaces (from LTG-3C)	60

Required Acceptance Tests

### Designer:

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

### Enforcement Agency:

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

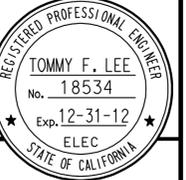
Luminaires Controlled			LTG-2A	
Equipment Requiring Testing	Description	Number of Like Controls	Location	Controls and Sensors and Automatic Daylighting Controls Acceptance
Ceiling OC	Ceiling Mounting Occupancy Sensor	12	Various	<input checked="" type="checkbox"/>
Wall OC, Type 1	Wall Switch Occupancy Sensor with Single Load	10	Various	<input checked="" type="checkbox"/>
Wall OC, Type 2	Wall Switch Occupancy Sensor with Double Load	5	Various	<input checked="" type="checkbox"/>
Timer Switch		1	Hazmat Office	<input checked="" type="checkbox"/>
Three Way Switches		4	Maintenance Office	<input type="checkbox"/>
				<input type="checkbox"/>

2008 Nonresidential Compliance Forms

August 2009

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		73	84

Tommy F. Lee 12-15-10  
REGISTERED ELECTRICAL ENGINEER DATE



3-7-11  
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: *[Signature]*

Approval date: 11-18-2010

DESIGN	BY Tommy F. Lee	CHECKED Javid Amrazodi
DETAILS	BY Tommy F. Lee	CHECKED Javid Amrazodi
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amrazodi

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.  
POST MILE

NORTHGATE MS CREW QUARTERS  
INDOOR LIGHTING COMPLIANCE FORM 3

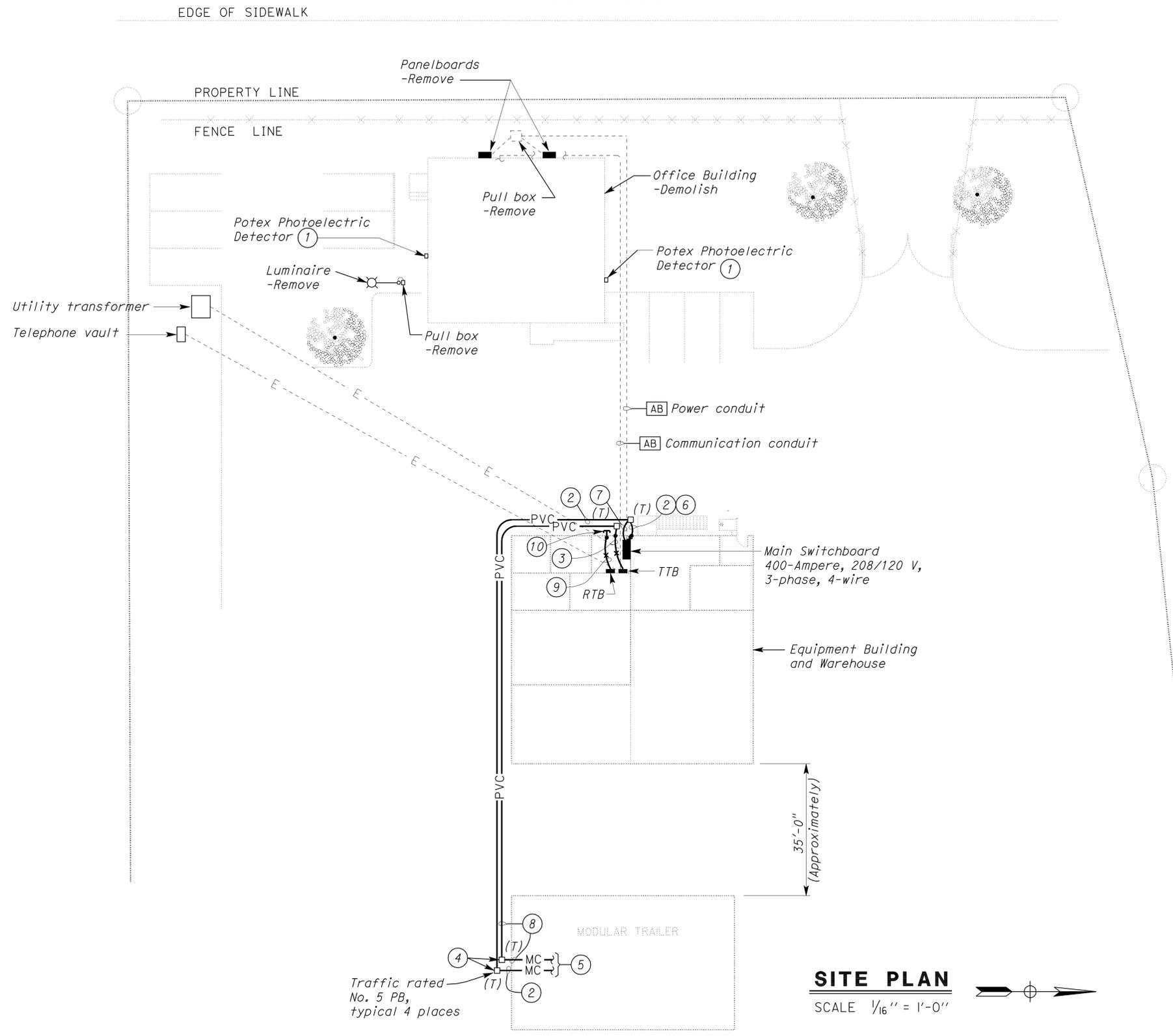
SHEET EE-0.5

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		74	84

<b>CALIFORNIA STATE FIRE MARSHAL</b> <b>APPROVED</b> 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> Approval date: 11-18-2010		12-15-10 DATE
3-7-11 PLANS APPROVAL DATE		
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# ROSLIN COURT



**SITE PLAN**  
 SCALE 1/16" = 1'-0"

**General Notes:**

- A. See Order of Work on Standard Specifications for electrical work sequence.
- B. See Architect sheets for Demolition plans.

**Notes:**

- ① Identify and label conductors of Potex photoelectric detector for site intrusion alarm system. Salvage the detector and re-install it on exterior wall of new office building.
- ② 3"C, MC, 3#4/0, 1#8G.
- ③ 3"C, MC, 25 pair telephone cable.
- ④ Locations of Pull boxes for Power and communication shall be close to Panel board and TTB of the Modular trailer.
- ⑤ Terminate/hook up Power and communication conduits and conductors to Panel board and TTB of the Modular trailer as required.
- ⑥ Terminate Power conductors to 200 A, 2-pole circuit breaker in space of Modified as shown on sheet EE-3.
- ⑦ 4"C, MC, MT with pull rope.
- ⑧ 2"C with 25 pair telephone cable.
- ⑨ 3"C, MC, MT with pull rope.
- ⑩ Stub out 3"C, PVC for future connection to new Office Building. See sheet EE-2 for continuation of the radio conduit for the Office Building.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN SUPERVISOR <i>Jaswinder K Sandhu</i> DESIGN ENGINEER	DESIGN	BY Tommy F. Lee	CHECKED Javid Amrazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b> EXISTING SITE PLAN AND MODULAR TRAILER SERVICE	SHEET
	DETAILS	BY Tommy F. Lee	CHECKED Javid Amrazodi			POST MILE		<b>EE-1</b>
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amrazodi	UNIT PROJECT NUMBER & PHASE			3140 03000011201		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		75	84

Tommy F. Lee		12-15-10
REGISTERED ELECTRICAL ENGINEER	DATE	

3-7-11
PLANS APPROVAL DATE

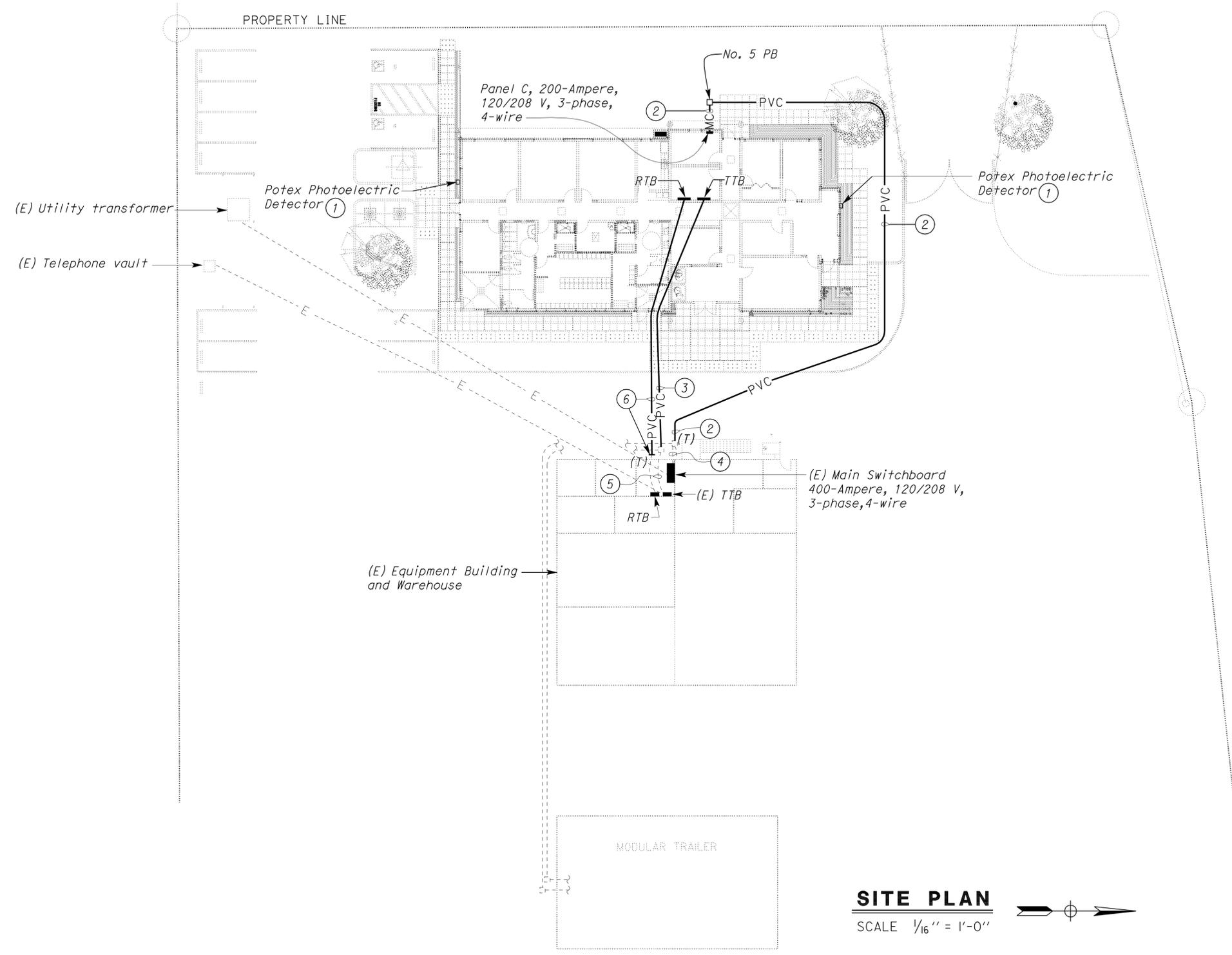
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Reviewed by: *[Signature]*  
Approval date: 11-18-2010

# ROSLIN COURT

EDGE OF SIDEWALK

PROPERTY LINE



**Notes:**

- ① Install salvaged Potex Photoelectric detector to new location as directed by the Engineer. The detector shall be line of sight with existing detector at the site. Rewire the salvaged detector to existing site intrusion alarm system with conduits and conductors as required.
- ② 4" C, PVC, 4#4/0, 1#8G.
- ③ 3" C with 25 pair telephone cable.
- ④ (E) 4" C, MC, install 4#4/0, 1#8G. Terminate power conductors to 200 A, 3-pole circuit breaker in space of modified as shown on sheet EE-3.
- ⑤ Install 25 pair telephone cable for new office building.
- ⑥ Intercept existing 3" C (see sheet EE-1), connect and install 3" C, PVC, MT with pull rope to new Office Building as shown on plan.

**SITE PLAN**  
SCALE 1/16" = 1'-0"



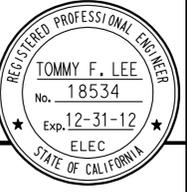
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DESIGN BY Tommy F. Lee CHECKED Javid Amrazodi	DETAILS BY Tommy F. Lee CHECKED Javid Amrazodi	QUANTITIES BY Tommy F. Lee CHECKED Javid Amrazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS MODIFIED SITE PLAN	SHEET	
					POST MILE		EE-2	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				UNIT PROJECT NUMBER & PHASE	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
						8/18/10 9/15/10 11/26/10 12/15/10	12 OF 12	

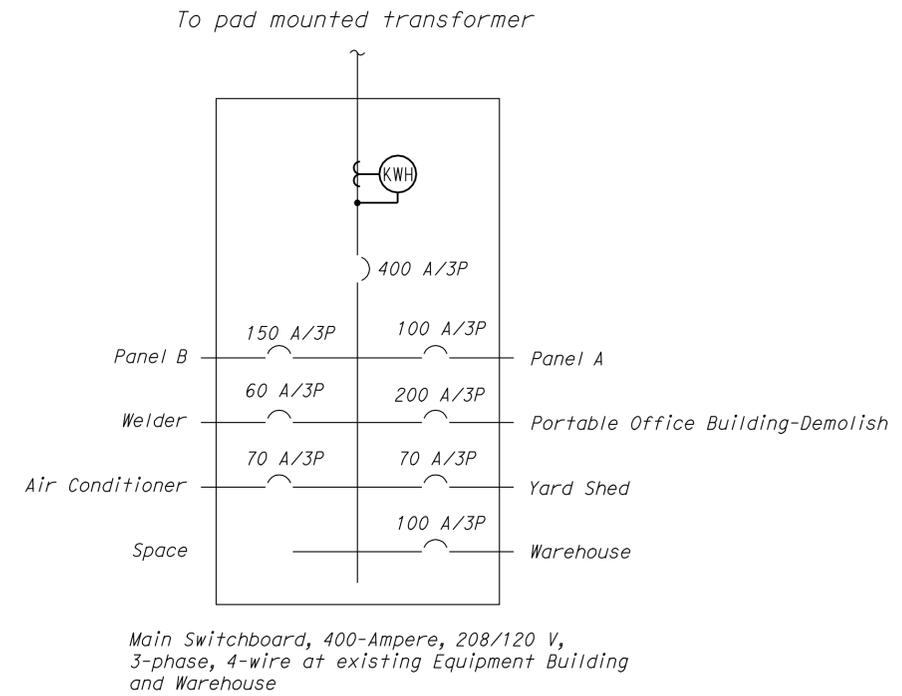
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		76	84

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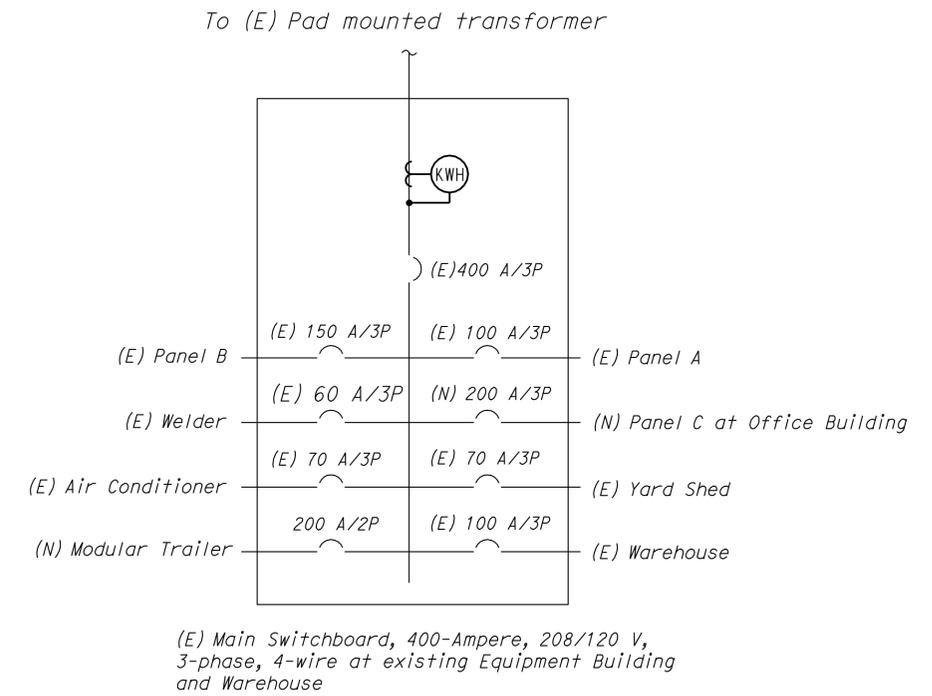
*Tommy F. Lee* 12-15-10  
 REGISTERED ELECTRICAL ENGINEER DATE



3-7-11  
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**EXISTING**



**MODIFIED**

DESIGN	BY	Tommy F. Lee	CHECKED	Javid Amrazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET EE-3										
	DETAILS	BY	Tommy F. Lee	CHECKED			Javid Amrazodi			POST MILE	SINGLE LINE DIAGRAM								
QUANTITIES	BY	Tommy F. Lee	CHECKED	Javid Amrazodi	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)										
					0	1	2	3	7/6/10	9/28/10	12/15/10								

Notes:

- ① 1" C with Category-6 cables as required to TTB.
- ② ¾" C with Category-6 cables as required.
- ③ ½" C, 4#12, 1#12G, 1#12 Iso G.
- ④ ¾" C, 6#12, 1#12G, 1#12 Iso G.
- ⑤ ¾" C, Control conductors as required.
- ⑥ ½" C, 4#12, 1#12G.

Notes (Continue):

- ⑦ 1" C, MC, 4#8, 1#8G.
- ⑧ ¾" C, RSC, 2#8, 1#8G.
- ⑨ Install switched receptacle next to garbage disposal under the sink.
- ⑩ Install posts and mounting racks for Condensing unit disconnect switches as recommended by the HVAC manufacturer.
- ⑪ Install fourplex receptacle and garbage disposal switch 6" above from the counter.

General Notes:

- A. For exact locations of exhaust fans and HVAC equipment, see Mechanical sheets.
- B. For wiring for exhaust fans, see sheet EE-5.
- C. Each telephone outlet shall have two Category-6 cables for telephone and data with no splicing to TTB.

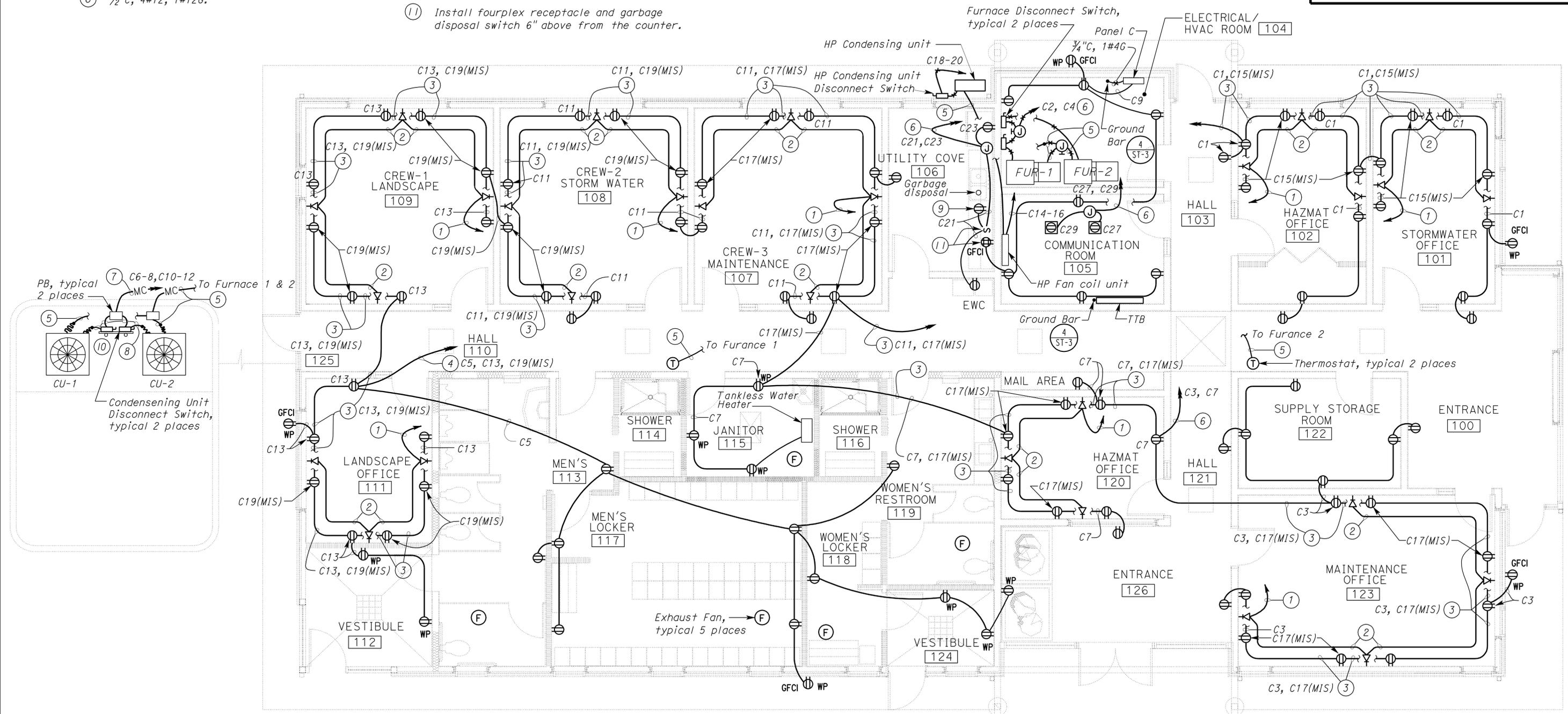
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		77	84

Tommy F. Lee 12-15-10  
 REGISTERED ELECTRICAL ENGINEER DATE

3-7-11  
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**PLAN**  
 SCALE 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Javid Amrazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	NORTHGATE MS CREW QUARTERS POWER AND COMMUNICATION PLAN	SHEET
DETAILS	BY Tommy F. Lee	CHECKED Javid Amrazodi		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		EE-4
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amrazodi		UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	3140 03000011201	6/2/10 7/28/10 8/2/10 9/28/10 12/15/10	ee_04.dgn	

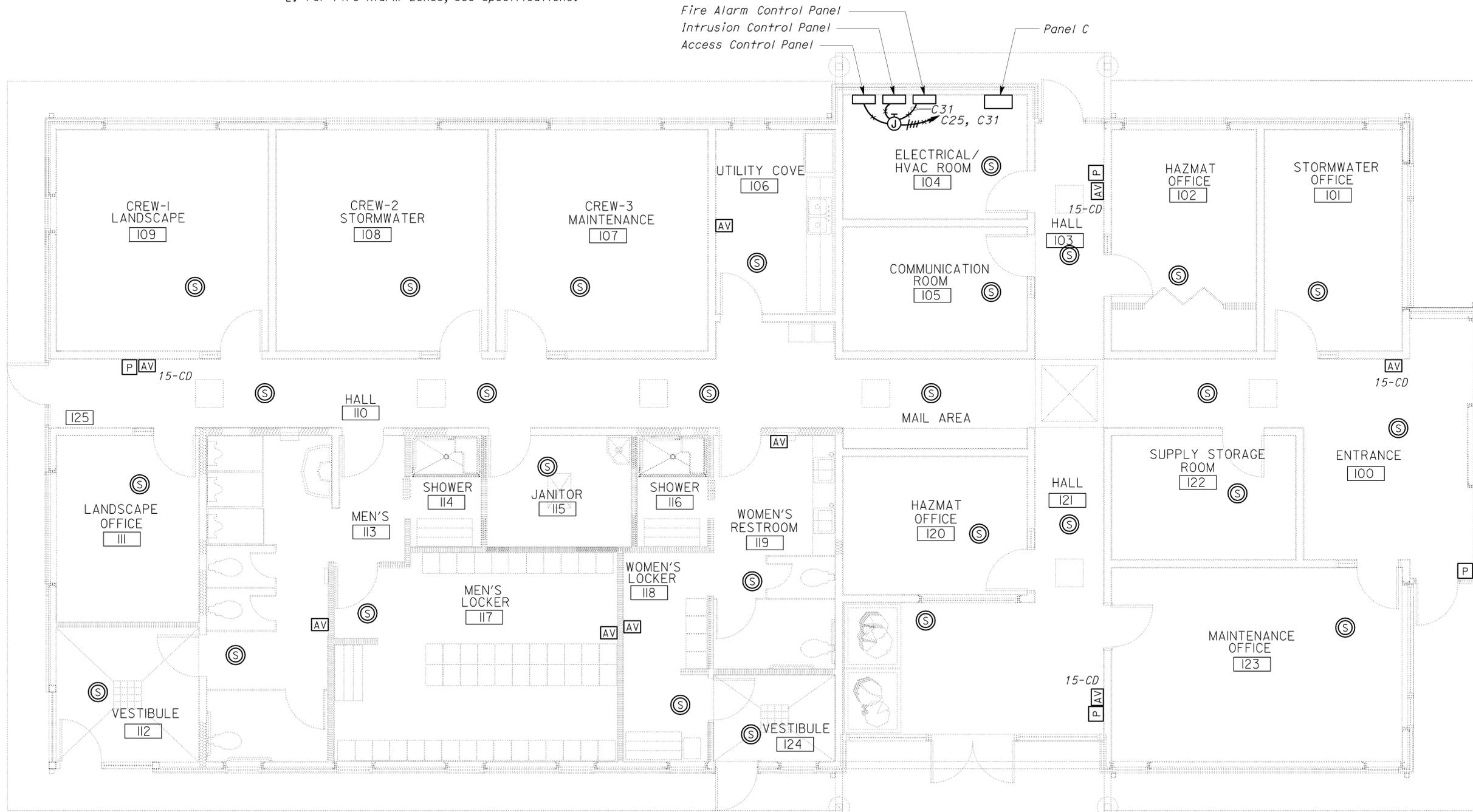
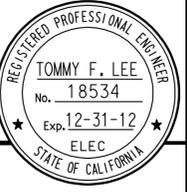


General Notes:

- A. Conduit system for Fire Alarm System is not shown. See Special Provisions for requirements.
- B. Fire alarm shall comply with NFPA 72 - 2002 National Fire Alarm Code, 1991 ADAAG 4.28, 2007 CBC Sections 907.9.1 & 907.9.2, 2007 CFC Sections 907.10.1 & 907.10.2, and 2007 CEC Article 760.
- C. Installation of the Fire Alarm System shall not start until detailed Plans and Specifications, including California Fire Marshal listing numbers for each components of the system have been approved by the California State Fire Marshal.
- D. Upon completion of the installation of the Fire Alarm System, a satisfactory test of the entire system shall be made in the presence of the enforcing agency.
- E. For Fire Alarm Zones, see Specifications.

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		79	84
Tommy F. Lee			12-15-10	DATE	
REGISTERED ELECTRICAL ENGINEER			DATE		
3-7-11 PLANS APPROVAL DATE					
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**PLAN**  
 SCALE 1/4" = 1'-0"

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Javid Amirazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET <b>EE-6</b>
	DETAILS	BY Tommy F. Lee			CHECKED Javid Amirazodi		
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amirazodi	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3		3/28/10 7/28/10 8/7/10 9/7/10 10/28/10 12/15/10		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		80	84

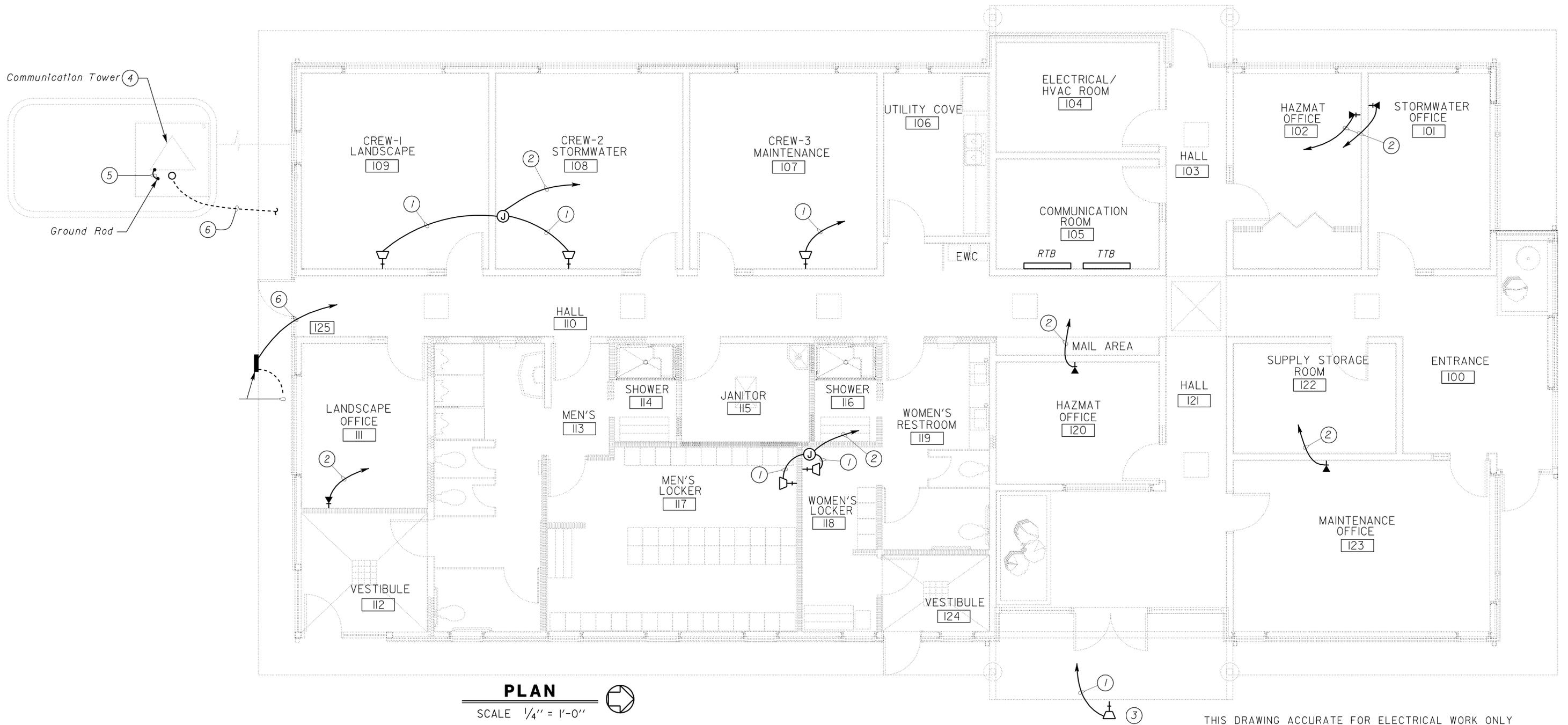
<b>CALIFORNIA STATE FIRE MARSHAL APPROVED</b> Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> Approval date: 11-18-2010	
REGISTERED ELECTRICAL ENGINEER <b>Tommy F. Lee</b> No. 18534 Exp. 12-31-12 STATE OF CALIFORNIA ELEC	
12-15-10	DATE
3-7-11	PLANS APPROVAL DATE
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**General Notes:**

- A. Unless otherwise noted, all homerun shown on this sheet shall be to RTB.
- B. Unless otherwise noted, all speaker outlets shown on this sheet shall be mounted at 6" below ceiling.
- C. Unless otherwise noted, all flush mounted radio outlets shown on this sheet shall be mounted at 18 inches above finished floor.

**Notes:**

- ① 3/4"C, pull rope to RTB.
- ② 1"C, pull rope to RTB.
- ③ Mounted weatherproof speaker at 12'-0" high.
- ④ For exact location of communication tower, see Architectural and Structural sheets.
- ⑤ Bond 1\*1/0 bare conductor to Communication Tower.
- ⑥ (2) 4"C, PVC with pull rope to RTB at Communication room.



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

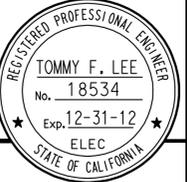
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN	BY Tommy F. Lee	CHECKED Javid Amirazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET <b>EE-7</b>
	DETAILS	BY Tommy F. Lee			CHECKED Javid Amirazodi		
QUANTITIES	BY Tommy F. Lee	CHECKED Javid Amirazodi	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3140 03000011201	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
			0 1 2 3			3/28/10 7/28/10 8/7/10 9/7/10 12/15/10	SHEET OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		81	84

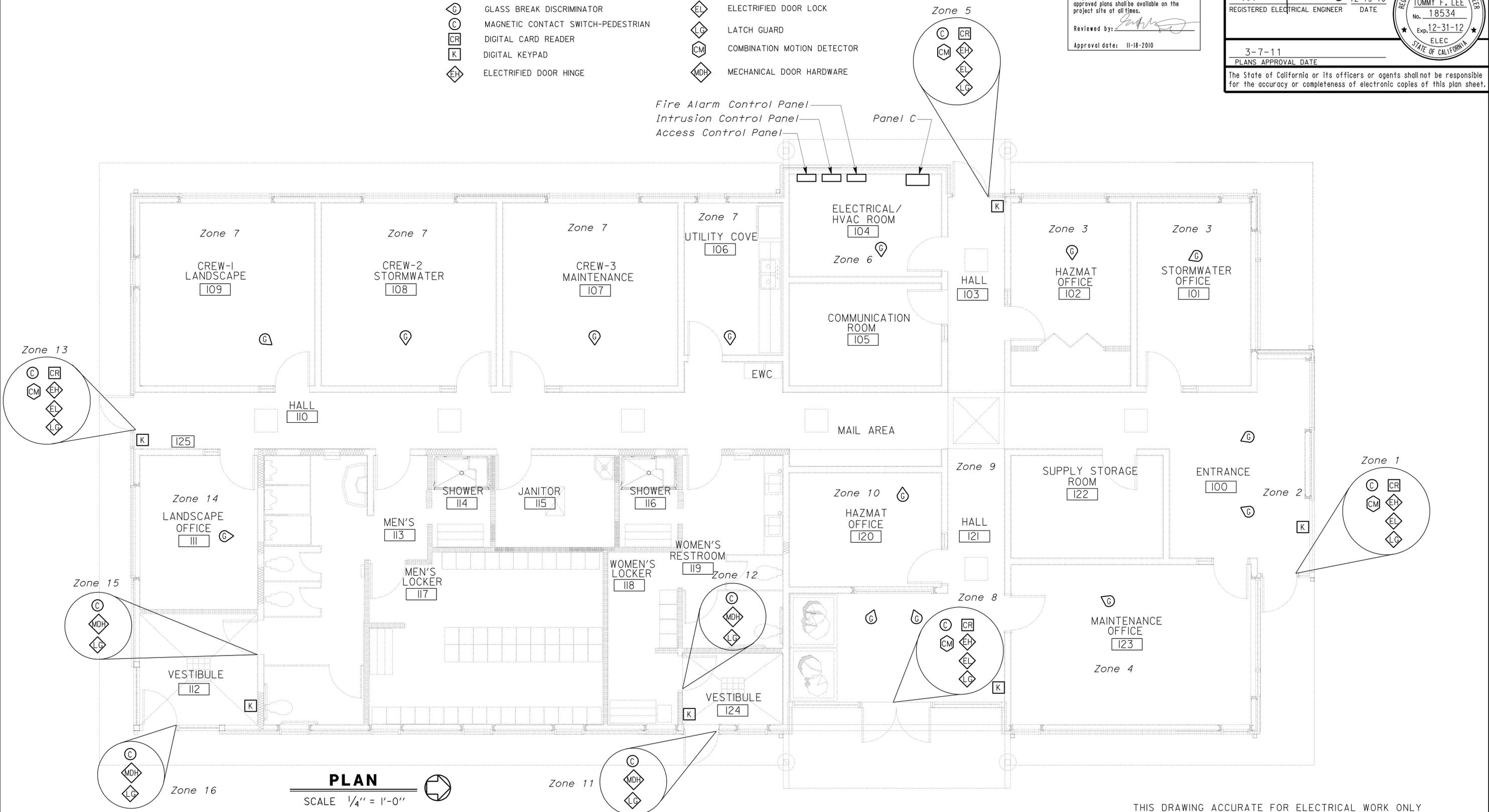
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*Tommy F. Lee* 12-15-10  
 REGISTERED ELECTRICAL ENGINEER DATE  
 3-7-11  
 PLANS APPROVAL DATE  
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**LEGEND**  
(THIS SHEET ONLY)

- |                                    |                             |
|------------------------------------|-----------------------------|
| GLASS BREAK DISCRIMINATOR          | ELECTRIFIED DOOR LOCK       |
| MAGNETIC CONTACT SWITCH-PEDESTRIAN | LATCH GUARD                 |
| DIGITAL CARD READER                | COMBINATION MOTION DETECTOR |
| DIGITAL KEYPAD                     | MECHANICAL DOOR HARDWARE    |
| ELECTRIFIED DOOR HINGE             |                             |



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

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY

DESIGN BY <i>Paul Baty/T. F. Lee</i> CHECKED <i>Javid Amirzodi</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	<b>NORTHGATE MS CREW QUARTERS</b>	SHEET <b>EE-8</b>
			POST MILE		
DETAILS BY <i>Tommy F. Lee</i> CHECKED <i>Javid Amirzodi</i>	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY <i>Tommy F. Lee</i> CHECKED <i>Javid Amirzodi</i>	0 1 2 3	3140 03000011201	3/26/10 7/6/10 9/7/10 12/15/10		

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		82	84

Tommy F. Lee		12-15-10
REGISTERED ELECTRICAL ENGINEER	DATE	

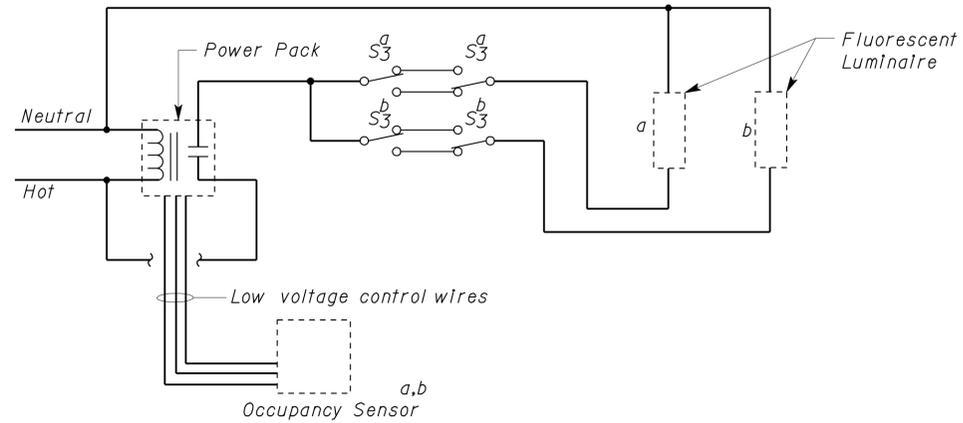
  

3-7-11
PLANS APPROVAL DATE

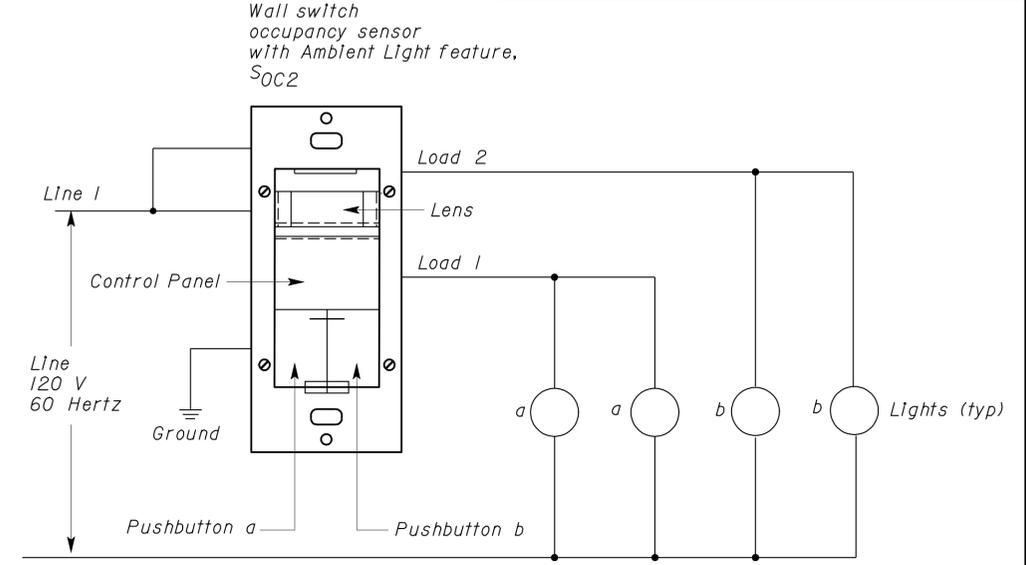
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 Reviewed by: *[Signature]*  
 Approval date: 11-18-2010

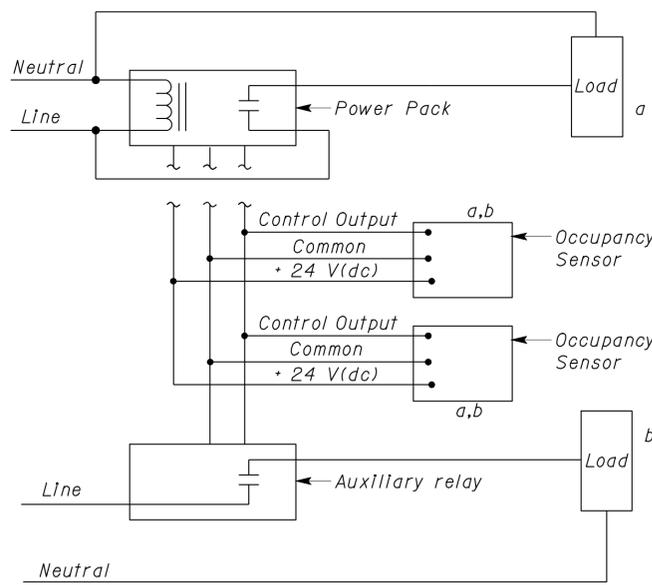
- General Notes:**
- Diagrams shown are for reference only. Final connection of occupancy sensors and/or motion sensor wall switches shall be per manufacturer's recommendation. Contractor shall provide at no cost to the State any additional conductors that are not shown but are required for the proper operation of the selected system.
  - For exact quantity of lights, switches and occupancy sensors for each system, see sheet EE-5.



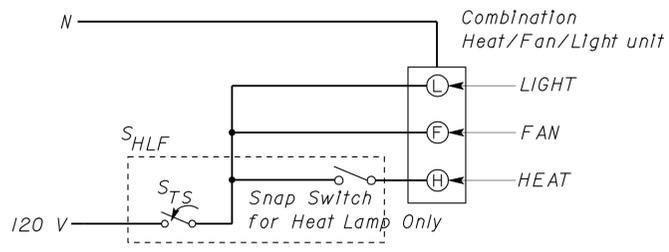
**CEILING MOUNTED OCCUPANCY SENSOR WIRING DIAGRAM FOR MAINTENANCE OFFICE**



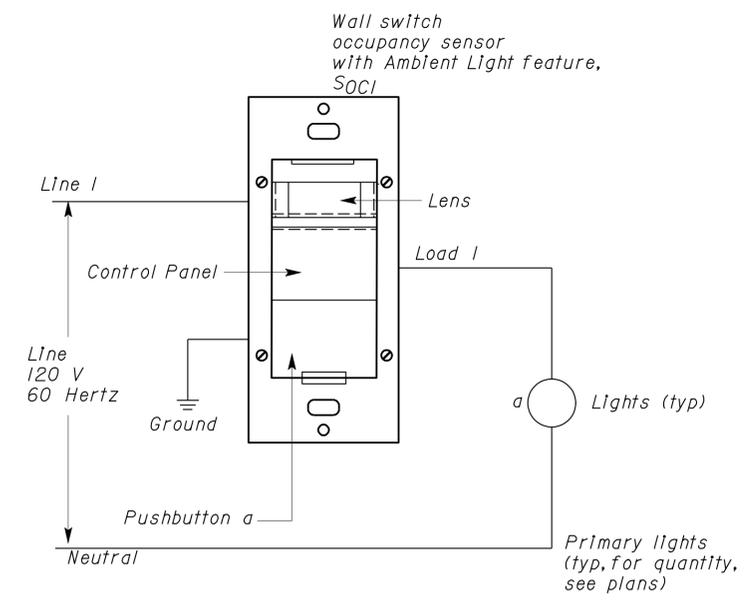
**WALL SWITCH OCCUPANCY SENSOR, TYPE 2 WIRING DIAGRAM**



**MULTIPLE CEILING MOUNTED OCCUPANCY SENSORS WITH MULTIPLE CIRCUITS**



**COMBINATION HEAT/LIGHT/FAN SWITCH**



**WALL SWITCH OCCUPANCY SENSOR, TYPE 1 WIRING DIAGRAM**

NOT TO SCALE FOR THIS SHEET

DESIGN	BY Tommy F. Lee	CHECKED Javid Amirazodi	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	NORTHGATE MS CREW QUARTERS	SHEET EE-9		
	DETAILS	BY Tommy F. Lee			CHECKED Javid Amirazodi			POST MILE	ELECTRICAL DETAILS
	QUANTITIES	BY Tommy F. Lee			CHECKED Javid Amirazodi			UNIT PROJECT NUMBER & PHASE	

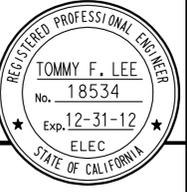
DOES SD Imperial Rev. 1/07	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	1/26/10 8/28/10 9/28/10 12/15/10	SHEET OF
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10-MAR-2011 12:56 TIME PLOTTED => 12:56 ee\_09.dgn

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		83	84

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Reviewed by: *[Signature]*  
Approval date: 11-18-2010

*Tommy F. Lee* 12-15-10  
REGISTERED ELECTRICAL ENGINEER DATE



3-7-11  
PLANS APPROVAL DATE

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MAIN: 200 A CIRCUIT BREAKER  
VOLTS: 208/120 VOLT, 3-PHASE, 4-WIRE

PANEL C

FEEDER SIZE: 4\*4/0, 1\*6G  
LOCATION: ELECTRICAL/HVAC ROOM AT OFFICE BUILDING

DESCRIPTION	AMPERES			BRK	CKT	A	B	C	CKT	BRK	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
RECEP-STORMWATER, HAZMAT, HALLWAY	18			20/1	1	•			2	20/1	15			FURNACE 1
RECEP-ENTRANCE, STORAGE, MAINT. OFFICE		18			3	•			4	20/1		15		FURNACE 2
RECEP-MEN, WOMEN, VESTIBULE			16.5		5	•			6	50/2			23	CONDENSING UNIT 1
RECEP-JANITOR, HAZMAT	13.5				7	•			8	50/2	23			CONDENSING UNIT 1
RECEP-ELEC RM, COMM RM, UTILITY COVE		16.5			9	•			10	50/2		23		CONDENSING UNIT 2
RECEP-CREW2, CREW3, HALLWAY			16.5		11	•			12	50/2			23	CONDENSING UNIT 2
RECEP-CREW1, LANDSCAPE, VESTIBULE	16.5				13	•			14	15/2	1			HEAT PUMP FAN COIL UNIT
ISO. RECEP-STORMWATER, HAZMAT102		9			15	•			16	15/2		1		HEAT PUMP FAN COIL UNIT
ISO. RECP-MAINT., HAZMAT120, CREW3			16.5		17	•			18	20/2			9	HEAT PUMP CONDENSING UNIT
ISO. RECEP-CREW1, CREW2, LANDSCAPE	16.5				19	•			20	20/2	9			HEAT PUMP CONDENSING UNIT
RECEP-EWC, GARBAGE DISPOSAL		10			21	•			22	20/1		14		CHLF-WOMEN
RECEP-REFRIGERATOR			3		23	•			24				14	CHLF-MEN
ACCESS CP, INTRUSION CP	2				25	•			26		8.5			EXTERIOR LIGHTS
CEILING DEDICATED RECEP		1.5			27	•			28			12		LTG-ELEC, COMM, HAZMAT, STORM, MAINT
CEILING DEDICATED RECEP			1.5		29	•			30				10	LTG-HALLWAYS
FIRE ALARM CP	1.5				31	•			32		12			LTG-CREW1, CREW2, CREW3
SPARE		-			33	•			34			14		LTG-LANDSCAPE, MEN, WOMEN, VESTIBULES
			-		35	•			36				5	EXHAUST FAN-MEN, WOMEN, JANITOR
	-				37	•			38					SPACE
		-			39	•			40					
		-			41	•			42					

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
136.5	134	138	

DESIGN	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>
DETAILS	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>
QUANTITIES	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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

BRIDGE NO.
POST MILE

**NORTHGATE MS CREW QUARTERS**  
PANEL SCHEDULE

SHEET **EE-10** OF

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Sac	5736		84	84

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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Reviewed by: *[Signature]*  
Approval date: 11-18-2010

*Tommy F. Lee* 12-15-10  
REGISTERED ELECTRICAL ENGINEER DATE  
3-7-11  
PLANS APPROVAL DATE



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LIGHTING FIXTURE SCHEDULE			
TYPE	MANUFACTURER	LAMPS	DESCRIPTION
F1	LITHONIA, SP8 SERIES; COLUMBIA, ST8 SERIES OR EQUAL.	1-32W T8	1x4 RECESSED FLUORESCENT TROFFER WITH ONE 32-WATT, T8 FLUORESCENT LAMPS, 120 VOLTS, ELECTRONIC BALLAST AND ONE PIECE ACRYLIC WRAP AROUND DIFFUSER WITH COLD-ROLLED STEEL HOUSING WITH A FLANGED TRIM. FIXTURE SHALL BE EQUIPED WITH A WHITE REGRESSED ALUMINUM DOOR FRAME WITH SPRING LOADED CAM LATCHES FOR EASY LAMP REPLACEMENT
F2	LITHONIA, SP8 SERIES; COLUMBIA, ST8 SERIES OR EQUAL.	2-32W T8	2x4 RECESSED FLUORESCENT TROFFER WITH TWO 32-WATT, T8 FLUORESCENT LAMPS, 120 VOLTS, ELECTRONIC BALLAST AND ONE PIECE ACRYLIC WRAP AROUND DIFFUSER WITH COLD-ROLLED STEEL HOUSING WITH A FLANGED TRIM. FIXTURE SHALL BE EQUIPED WITH A WHITE REGRESSED ALUMINUM DOOR FRAME WITH SPRING LOADED CAM LATCHES FOR EASY LAMP REPLACEMENT
F3	LITHONIA, M SERIES; COLUMBIA, SM SERIES OR EQUAL.	3-32W T8	2x4 SURFACE FLUORESCENT TROFFER WITH THREE 32-WATT, T8 FLUORESCENT LAMPS, 120 VOLTS, ELECTRONIC BALLAST AND ONE PIECE ACRYLIC WRAP AROUND DIFFUSER WITH COLD-ROLLED STEEL HOUSING SUITABLE FOR SURFACE MOUNTING. FIXTURE SHALL BE EQUIPED WITH A WHITE REGRESSED ALUMINUM DOOR FRAME WITH SPRING LOADED CAM LATCHES FOR EASY LAMP REPLACEMENT.
F4	LITHONIA, 2AV SERIES; COLUMBIA, STR SERIES OR EQUAL.	2-32W T8	2x4 RECESS MOUNTED ARCHITECTURAL, DIRECT/INDIRECT METAL DIFFUSER WITH HOLES, TWO 32-WATT T8 FLUORESCENT LAMPS, 120-VOLT ELECTRONIC BALLAST, LOW-PROFILE CONSTRUCTION. HOUSING SHALL BE RUGGED STEEL HOUSING, AND REFLECTORS SHALL BE FINISHED WITH HIGH-REFLECTANCE WHITE PAINT.
F5	LITHONIA, 2AV SERIES; COLUMBIA, STR SERIES OR EQUAL.	2-32W T8	SIMILAR TO F4 EXCEPT F5 SHALL HAVE EMERGENCY BATTERY PACK (NOMINAL 1400 LUMENS).
F6	LITHONIA, NAT SERIES; COLUMBIA, P2 SERIES OR EQUAL.	1-32W T8	1x4 RECESSED FLUORESCENT TROFFER WITH ONE 32-WATT, T8 FLUORESCENT LAMPS, 120 VOLTS, ELECTRONIC BALLAST AND LOUVER WITH COLD-ROLLED STEEL HOUSING.
F7	LITHONIA, NAT SERIES; COLUMBIA, P2 SERIES OR EQUAL.	1-32W T8	SIMILAR TO F6 EXCEPT F7 SHALL HAVE EMERGENCY BATTERY PACK (NOMINAL 1400 LUMENS).
MH1	HUBBELL, ST SERIES, LITHONIA, VRR SERIES; OR EQUAL.	1-70W METAL HALIDE	OUTDOOR, CEILING MOUNTED, FULLY GASKETED SQUARE HOUSING WITH DROP PRISMATIC POLYCARBONATE LENSES. 70-WATT METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.
MH2	LITHONIA, TWS SERIES, HOWARD, MINIWP SERIES; OR EQUAL.	1-70W METAL HALIDE	OUTDOOR, WALL MOUNTED, FULLY GASKETED DARK BRONZE HOUSING WITH ONE PIECE, UV STABILIZED POLYCARBONATE LENSES. 70-WATT METAL HALIDE LUMINAIRE WITH INTEGRAL BALLAST.
MH3	LITHONIA, TWFI SERIES, HUBBELL, LMC SERIES; OR EQUAL.	1-100W 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.

DESIGN	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>
DETAILS	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>
QUANTITIES	BY <i>Tommy F. Lee</i>	CHECKED <i>Javid Amirzodi</i>

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

BRIDGE NO. \_\_\_\_\_  
POST MILE \_\_\_\_\_  
**NORTHGATE MS CREW QUARTERS**  
**FIXTURE SCHEDULE**  
SHEET **EE-11** OF \_\_\_\_\_

10-MAR-2011 12:57 TIME PLOTTED 12:57 ee\_11.dgn