

	M	
Maint	MAINTENANCE	
Max	MAXIMUM	
MB	METAL BEAM	
MBB	METAL BEAM BARRIER	
MBGR	METAL BEAM GUARD RAILING	
Med	MEDIAN	
MGS	MIDWEST GUARDRAIL SYSTEM	
MH	MANHOLE	
Min	MINIMUM	
Misc	MISCELLANEOUS	
Misc I & S	MISCELLANEOUS IRON AND STEEL	
Mkr	MARKER	
Mod	MODIFIED, MODIFY	
Mon	MONUMENT	
MP	METAL PLATE	
MPGR	METAL PLATE GUARD RAILING	
MR	MOVEMENT RATING	
MSE	MECHANICALLY STABILIZED EMBANKMENT	
Mt	MOUNTAIN, MOUNT	
MtI	MATERIAL	
MVP	MAINTENANCE VEHICLE PULLOUT	
	N	
N	NORTH	
NB	NORTHBOUND	
No.	NUMBER (MUST HAVE PERIOD)	
Nos.	NUMBERS (MUST HAVE PERIOD)	
NPS	NOMINAL PIPE SIZE	
NS	NEAR SIDE	
NSP	NEW STANDARD PLAN	
NTS	NOT TO SCALE	
	O	
Obir	OBLITERATE	
OC	OVERCROSSING	
OD	OUTSIDE DIAMETER	
OF	OUTSIDE FACE	
OG	ORIGINAL GROUND	
OGAC	OPEN GRADED ASPHALT CONCRETE	
OGFC	OPEN GRADED FRICTION COURSE	
OH	OVERHEAD	
OHWM	ORDINARY HIGH WATER MARK	
O-O	OUT TO OUT	
Opp	OPPOSITE	
OSD	OVERSIDE DRAIN	
	P	
p	PAGE	
PAP	PERFORATED ALUMINUM PIPE	
PB	PULL BOX	
PC	POINT OF CURVATURE, PRECAST	
PCC	POINT OF COMPOUND CURVE, PORTLAND CEMENT CONCRETE	
PCMS	PORTABLE CHANGEABLE MESSAGE SIGN	
PCP	PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE	
PCVC	POINT OF COMPOUND VERTICAL CURVE	
PEC	PERMIT TO ENTER AND CONSTRUCT	
Ped	PEDESTRIAN	
Ped OC	PEDESTRIAN OVERCROSSING	
Ped UC	PEDESTRIAN UNDERCROSSING	
Perm MtI	PERMEABLE MATERIAL	

	P continued	
PG	PROFILE GRADE	
PI	POINT OF INTERSECTION	
PJP	PARTIAL JOINT PENETRATION	
Pkwy	PARKWAY	
PL, PL	PLATE	
P/L	PROPERTY LINE	
PM	POST MILE, TIME FROM NOON TO MIDNIGHT	
PN	PAVING NOTCH	
POC	POINT OF HORIZONTAL CURVE	
POT	POINT OF TANGENT	
POVC	POINT OF VERTICAL CURVE	
PP	PIPE PILE, PLASTIC PIPE, POWER POLE	
PPL	PREFORMED PERMEABLE LINER	
PPP	PERFORATED PLASTIC PIPE	
PRC	POINT OF REVERSE CURVE	
PRF	PAVEMENT REINFORCING FABRIC	
PRVC	POINT OF REVERSE VERTICAL CURVE	
PS&E	PLANS, SPECIFICATIONS AND ESTIMATES	
PS, P/S	PRESTRESSED	
PSP	PERFORATED STEEL PIPE	
PT	POINT OF TANGENCY	
PVC	POLYVINYL CHLORIDE	
Pvmt	PAVEMENT	
	Q	
Qty	QUANTITY	
	R	
R	RADIUS	
R & D	REMOVE AND DISPOSE	
R & S	REMOVE AND SALVAGE	
R/C	RATE OF CHANGE	
RCA	REINFORCED CONCRETE ARCH	
RCB	REINFORCED CONCRETE BOX	
RCP	REINFORCED CONCRETE PIPE	
RCPA	REINFORCED CONCRETE PIPE ARCH	
Rd	ROAD	
Reinf	REINFORCED, REINFORCEMENT, REINFORCING	
Rel	RELOCATE	
Repl	REPLACEMENT	
Ret	RETAINING	
Rev	REVISED, REVISION	
Rdwy	ROADWAY	
RHMA	RUBBERIZED HOT MIX ASPHALT	
Riv	RIVER	
RM	ROAD-MIXED	
RP	RADIUS POINT, REFERENCE POINT	
RR	RAILROAD	
RSP	ROCK SLOPE PROTECTION, REVISED STANDARD PLAN	
Rt	RIGHT	
Rte	ROUTE	
RW	REDWOOD, RETAINING WALL	
R/W	RIGHT OF WAY	
Rwy	RAILWAY	

	S	
S	SOUTH, SUPPLEMENT	
SAE	STRUCTURE APPROACH EMBANKMENT	
Salv	SALVAGE	
SAPP	STRUCTURAL ALUMINUM PLATE PIPE	
SB	SOUTHBOUND	
SC	SAND CUSHION	
SCSP	SLOTTED CORRUGATED STEEL PIPE	
SD	STORM DRAIN	
Sec	SECOND, SECTION	
Sep	SEPARATION	
SG	SUBGRADE	
Shld	SHOULDER	
Sht	SHEET	
Sim	SIMILAR	
ℒ	STATION LINE	
SM	SELECTED MATERIAL	
Spec	SPECIAL, SPECIFICATIONS	
SPP	SLOTTED PLASTIC PIPE	
SS	SLOPE STAKE	
SSBM	STRAP AND SADDLE BRACKET METHOD	
SSD	STRUCTURAL SECTION DRAIN	
SSPA	STRUCTURAL STEEL PLATE ARCH	
SSPP	STRUCTURAL STEEL PLATE PIPE	
SSPPA	STRUCTURAL STEEL PLATE PIPE ARCH	
SSRP	STEEL SPIRAL RIB PIPE	
St	STREET	
Sta	STATION	
STBB	SINGLE THRIE BEAM BARRIER	
Std	STANDARD	
Str	STRUCTURE	
Surf	SURFACING	
SW	SIDEWALK, SOUND WALL	
Swr	SEWER	
Sym	SYMMETRICAL	
S4S	SURFACE 4 SIDES	
	T	
T	SEMI-TANGENT	
Tan	TANGENT	
TBB	THRIE BEAM BARRIER	
Tbr	TIMBER	
TC	TOP OF CURB	
TCB	TRAFFIC CONTROL BOX	
TCE	TEMPORARY CONSTRUCTION EASEMENT	
TeI	TELEPHONE	
Temp	TEMPORARY	
TG	TOP OF GRADE	
Tot	TOTAL	
TP	TELEPHONE POLE	
TPB	TREATED PERMEABLE BASE	
TPM	TREATED PERMEABLE MATERIAL	
Trans	TRANSITION	

	T continued	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	U
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	V
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	W
W	WEST, WIDTH	
WB	WESTBOUND	
WH	WEEP HOLE	
WM	WIRE MESH	
WS	WATER SURFACE	
WSP	WELDED STEEL PIPE	
Wt	WEIGHT	
WV	WATER VALVE	
WW	WINGWALL	
WWLOL	WINGWALL LAYOUT LINE	X
X Sec	CROSS SECTION	
Xing	CROSSING	Y
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
11	SD	15	54.0	2	59

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Grace M. Tsushima
 No. C49814
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 12-09-13

UNIT OF MEASUREMENT SYMBOLS:

Some of the symbols used in the project plan quantity tables and in the Bid Item List are:

TABLE A

SYMBOL USED	DEFINITIONS
ACRE	ACRE
CF	CUBIC FOOT
CY	CUBIC YARD
EA	EACH
GAL	GALLON
LB	POUND
LF	LINEAR FOOT
SQFT	SQUARE FOOT
SQYD	SQUARE YARD
STA	100 FEET
TAB	TABLET
TON	2,000 POUNDS

Some of the symbols used in the plans other than in the project plan quantity tables are:

TABLE B

SYMBOL USED	DEFINITIONS
ksi	KIPS PER SQUARE INCH
ksf	KIPS PER SQUARE FOOT
psi	POUNDS PER SQUARE INCH
psf	POUNDS PER SQUARE FOOT
lb/ft ³ , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
∅	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

* For use on a sign panel only

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS
(SHEET 2 OF 2)**

NO SCALE

RSP A10B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN A10B
DATED MAY 20, 2011 - PAGE 2 OF THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP A10B

ARCHITECTURAL ABBREVIATIONS

& L	AND ANGLE	EQ	EQUAL	LF	LINEAR FEET	S	SOUTH
CL	CENTER LINE	EPB	ELECTRICAL PANELBOARD	MAT	MATERIAL	SC	SOLID
Ø	DIAMETER OR ROUND	EQUIP	EQUIPMENT	MAX	MAXIMUM	SCHED	SCHEDULE
□	SQUARE	EXP	EXPANSION	MECH	MECHANICAL	SD	SOAP DISPENSER
d	PENNY	EXPO	EXPOSED, EXPOSURE	MEMB	MEMBRANE	SF	SQUARE FEET
°	DEGREE	EXT	EXTERIOR	MET	METAL	SH	SHelf
A/C	AIR CONDITIONING	FD	FLOOR DRAIN	MFR	MANUFACTURER	SHWR	SHOWER
AC	ASPHALT CONCRETE	FDN	FOUNDATION	MH	MAN HOLE	SHT	SHEET
AB	ANCHOR BOLT	FEC	FIRE EXTINGUISHER CABINET	MIN	MINIMUM	SHTG	SHEATHING
ABV	ABOVE	FG	FINISH GRADE	MIR	MIRROR	SIM	SIMILAR
ADA	AMERICANS WITH DISABILITIES ACT	FIN	FINISH	MISC	MISCELLANEOUS	S.O.G.	SLAB ON GRADE
ADJ	ADJUSTABLE	FJ	FLOOR JOIST	MTD	MOUNTED	SPEC	SPECIFICATION
AFF	ABOVE FINISHED FLOOR	FLASH	FLASHING	MUL	MULLION	STD	STANDARD
ALUM	ALUMINUM	FLR	FLOOR	N	NORTH; NEW	STL	STEEL
ARCH	ARCHITECTURAL, ARCHITECT	FOC	FACE OF CONCRETE	ND	NAPKIN DISPOSAL	STOR	STORAGE
ASPH	ASPHALT	FOF	FACE OF FINISH	NIC	NOT IN CONTRACT	STRUC	STRUCTURAL
		FOF	FACE OF FINISH	NO	NUMBER	SUSP	SUSPENDED
		FOM	FACE OF MASONRY	NOM	NOMINAL	TEL	TELEPHONE
		FOS	FACE OF STUD	NTS	NOT TO SCALE	TEMP	TEMPERED
		FRP	FIBERGLASS REINFORCED PANEL	NTS	NOT APPLICABLE	THK	THICK
		FT	FEET, FOOT	OC	ON CENTER	THLD	THRESHOLD
BD	BOARD	FTG	FOOTING	OD	OUTSIDE DIAMETER	TJ	TOOLED JOINT
BIT	BITUMINOUS	FURR	FURRING	OFF	OFFICE	TKBD	TACKBOARD
BLDG	BUILDING	GA	GAUGE	OHD	OVERHEAD	TN	TOE NAIL
BLK	BLOCK	GAL	GALLON	OHWS	OVERHEAD WOOD SCREW	TOC	TOP OF CURB OR CONCRETE
BLKG	BLOCKING	GALV	GALVANIZED	OPNG	OPENING	TOP	TOP OF PAVEMENT
BM	BEAM	GB	GRAB BAR	OPP	OPPOSITE	TOS	TOE OF SLOPE
BTWN	BETWEEN	GL	GLASS	OPT	OPTION, OPTIONAL	TOT	TOTAL
		GLZ	GLAZING			TOW	TOP OF WALL
CAB	CABINET	GR	GRADE	PB	POST BASE	TSCD	TOILET SEAT COVER
CEM	CEMENT	GSM	GALVANIZED SHEET METAL	PC	POST CAP	TTD	TOILET TISSUE DISPENSER
CER	CERAMIC	GYBD	GYPSTUM BOARD	PCC	PORTLAND CEMENT CONCRETE	TYP	TYPICAL
CLG	CEILING	GYP SHTG	GYPSTUM SHEATHING	PH	PHILLIPS HEAD	UNF	UNFINISHED
CLO	CLOSET	HD	HEAD, HOLD DOWN	PLAM	PLASTIC LAMINATE	UNO	UNLESS NOTED OTHERWISE
CLR	CLEAR	HDR	HEADER	PLWD	PLYWOOD	UR	URINAL
COL	COLUMN	HDWR	HARDWARE	PMF	PRESSED METAL FRAME	VAR	VARIES
CONC	CONCRETE	HEX	HEXAGONAL	POT	PATH OF TRAVEL	VCT	VINYL COMPOSITION TILE
CONST	CONSTRUCTION	HM	HOLLOW METAL	PR	PAIR	VERT	VERTICAL
CONT	CONTINUOUS	HORIZ	HORIZONTAL	PRTN	PARTITION	VEST	VESTIBULE
CPT	CARPET	HT	HEIGHT	PT	POINT	VR	VENT RISER
CT	CERAMIC TILE	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PTD	PAPER TOWEL DISPENSER	VTR	VENT THROUGH ROOF
CTR	CENTER	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	W	WEST
CVIS	COMMERCIAL VEHICLE INSPECTION SPECIALIST	IN	INCH	QT	QUARRY TILE	W/	WITH
		INSUL	INSULATION	(R)	RELOCATED	W/O	WITHOUT
		INT	INTERIOR	RD	ROOF DRAIN	WC	WATER CLOSET
		ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	REF	REFERENCE	WD	WOOD
		JAN	JANITOR	REFG	REFRIGERATOR	WDW	WINDOW
(E)	EXISTING	JH	JOIST HANGER	REINF	REINFORCED(ING)	WR	WATER RESISTANT
E	EAST	JST	JOIST	REQ	REQUIRED	WSCT	WAINSCOT
EA	EACH	JT	JOINT	RFG	ROUGHSAWN	WT	WEIGHT
EJ	EXPANSION JOINT	KIT	KITCHEN	RFG SWN	ROUGHSAWN	WTPR	WATERPROOFING
EL	ELEVATION (HEIGHT)	LBF	POUND-FORCE	RJ	ROOF JOIST		
ELECT	ELECTRICAL	LBS	POUNDS	RM	ROOM		
ELEV	ELEVATION (VIEW)			RO	ROUGH OPENING		
EMBED	EMBEDMENT			RTE	ROUTE		
ENCL	ENCLOSURE						

GENERAL NOTES

- The contractor shall verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
- The contractor shall notify the engineer in writing of any discrepancies between these plans and actual measurements or field conditions.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	3	59

12-09-13
PLANS APPROVAL DATE

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Mark Peterson
No. C 25229
Exp. 05-31-15
STATE OF CALIFORNIA
LICENSED ARCHITECT

STV Incorporated
ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
1055 WEST 7th STREET., SUITE 3150
LOS ANGELES, CA. 90017-2577

DESIGN CRITERIA

THE BUILDING WORK FOR THIS PROJECT HAS BEEN DESIGN TO CONFORM TO THE 2010 EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS:

- PART 2 - CA BUILDING CODE 2010,
- PART 3 - CA ELECTRICAL CODE 2010,
- PART 4 - CA MECHANICAL CODE 2010,
- PART 5 - CA PLUMBING CODE 2010,
- PART 6 - CA ENERGY CODE 2010,
- PART 8 - CALIFORNIA FIRE CODE, 2010.
- PART 11 - CALIFORNIA GREEN BUILDING STANDARDS & THE 2010 ADA STANDARDS

SCOPE OF PROJECT WORK:

This project proposes to install a standby generator, replace septic lines, upgrade security camera system, and reconstruct the storage/office space attached to the truck inspection building.

The new storage/office attachment will be located directly adjacent to the existing truck inspection building. The structure of the the existing shared wall between the truck inspection building and the new attachment will remain. Some cutting and patching is required on that wall. All other improvements to the attachment will be new construction.

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID
1100000277

Reviewed by: *[Signature]*
Date: 4-9-13

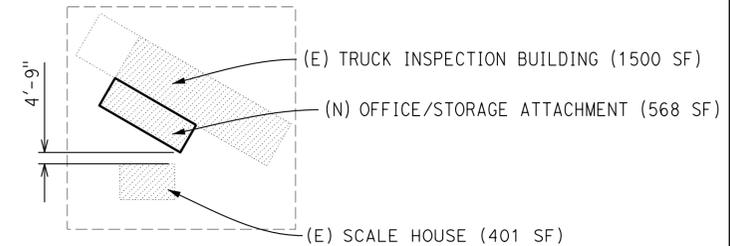
CALIFORNIA STATE FIRE MARSHAL APPROVED

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: 4-7-13

BUILDING DATA

- CONSTRUCTION TYPE: CBC Chapter 5; Table 503, V-B
- ROOF COVERING CLASSIFICATION: Class A
- OCCUPANCY GROUP: CBC Chapter 3
 - (E) Inspection Bay: S-1
 - (N) Inspection Bay Office Attachment: B
 - (E) Scale House: B
- SEPARATION: CBC Chapter 5; Table 508.4, None Required
- FIRE RESISTANCE OF EXTEIOR WALLS: CBC Chapter 6; Table 602
None Required; Distance to property line is greater than 10 Feet
- ALLOWABLE BUILDING AREA: For the purpose of this calculation the Inspection Bay and the Inspection Bay Building and Scale House has been considered one building.
 - Allowable Tabular Area: 9,000 Square Feet
 - Allowable Increase Per CBC Section 506: $15,750 = \{9,000 + [9,000 \times 0.75] + [9,000 \times 0]\}$
Where increase for frontage greater than 30 feet is 0.75 and where no increase is taken for automatic sprinkler system
 - Frontage Per CBC 506: $0.75 = [278.5/278.5 \ 0.25] \ 30/30$
Where the perimeter of the complex is 278.5 feet
 - ACTUAL BUILDING AREA: 2,469
- ALLOWABLE BUILDING HEIGHT: 1-Story; 40'-0"
ACTUAL BUILDING HEIGHT: 1-Story; 21'-0"

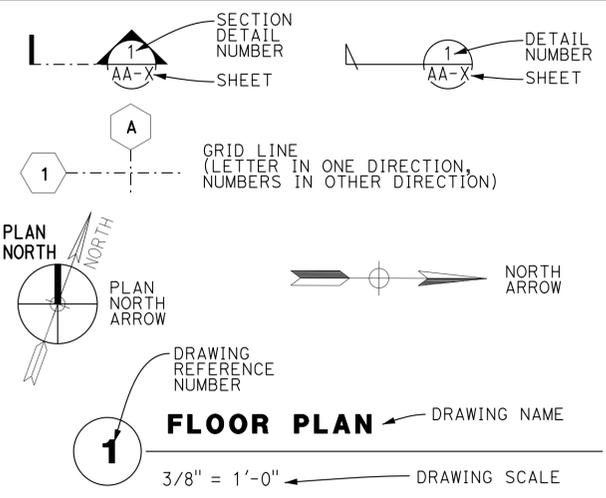


ROOM NAME	ROOM AREA	SF PER OCCUPANT	OCCUPANCY LOAD
Briefing Room	178	7	25
Sergeant Office	72	100	1
Storage	64	300	1
Restroom	42	100	1
Electrical Room	30	300	1
CVIS Office	82	100	1
Truck Inspection Bay	1500	100	15
TOTAL OCCUPANTS*			45

* No area of the (E) Truck Inspection Bay + (N) Attachment complex requires more than 1 means of egress based upon exit load

SYMBOLS

	PLYWOOD		CONTINUOUS WOOD FRAMING
	EARTH		WOOD BLOCKING
	AC PAVING		FINISH WOOD
	CONCRETE	101	ROOM DESIGNATION
	SAND/MORTAR/PLASTER	4	DOOR DESIGNATION
	BATT INSULATION	5	WINDOW DESIGNATION
	SOUND INSULATION		ELEVATION
	RIGID INSULATION		NOTE CALLOUT NOTE REFERENCE LETTER
	STEEL		



BUILDING DATA SUMMARY

	OCCUPANCY	CONSTRUCTION TYPE	NUMBER OF STORIES	BUILDING HEIGHT	BUILDING AREA	AREA OF PROJECT	ALLOWABLE AREA	AREA OR HEIGHT INCREASES	FIRE SPRINKLERED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS IF ANY	SMOKE CONTROL SYSTEM	OCCUPANT LOAD PER NEW ROOM AREA
TRUCK INSPECTION BUILDING + SCALE HOUSE COMPLEX	S-1 B	V-B	1	21'-0"	2469 SF	2469 SF	9000 SF	NO	NOT REQ'D	NOT REQ'D	NO	NOT REQ'D	45

A-00.DGN	DESIGN BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET A0-00
TAEMWV imperial Rev. 7/10 27-JAN-2014 13:55	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53	GENERAL NOTES	
	QUANTITIES BY Rachel Hu	CHECKED Mark A. Peterson					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT 3584	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
					PROJECT NUMBER & PHASE 11000002771		08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	4	59


 LICENSED ARCHITECT
 DATE 10-19-12
 PROJECT ID 1100000277
 REVIEWED BY: 
 DATE: 4-9-13



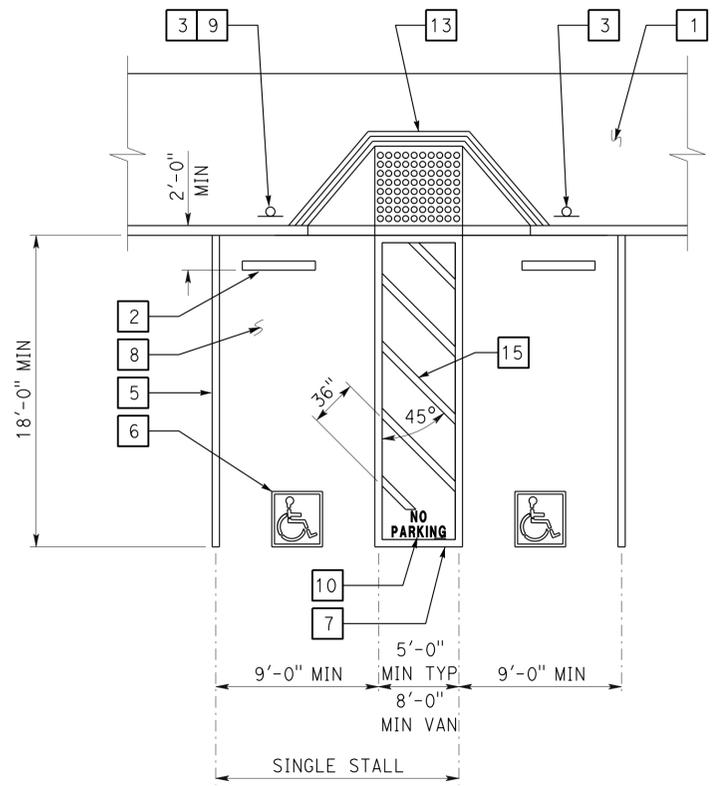
PLANS APPROVAL DATE 12-09-13
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID 1100000277
 REVIEWED BY: 
 DATE: 4-9-13

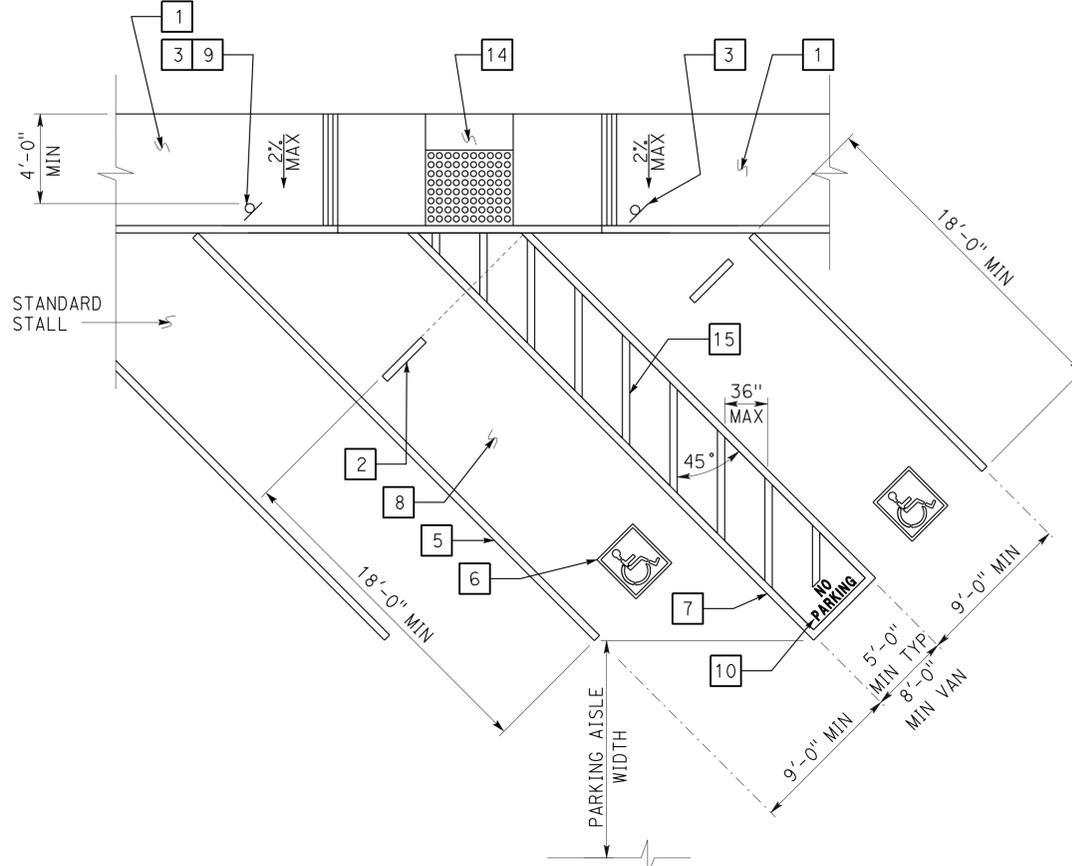
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 REVIEWED BY: 
 APPROVAL DATE: 4-7-13

KEYED NOTE LEGEND FOR DETAILS

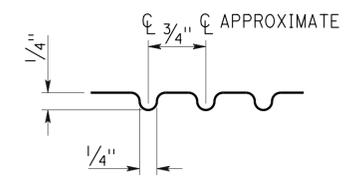
- Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
- Parking bumper (away from access aisle). See Specifications.
- Accessible parking space signage. See Detail 1 on sheet A0-3.2.
- 1' wide grooved border on level surface typ at ramp perimeter. See Detail 3 on this sheet.
- 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See specifications for painting.
- Accessible parking surface identification painted on pavement. See Detail 6 on sheet A0-3.2.
- 4" wide blue border designating non-parking access aisle to curb ramp. Access aisle shall be on passenger side only.
- "NO PARKING" in min 12" high white letters to be placed within access aisle to curb ramp. See Detail 7 on sheet A0-3.2.
- Level landing -2% max slope w/36" deep detectable warning surface adjoining access aisle or vehicular way. See Detail 6 on this sheet.
- Detectable warning surface to extend full width and min 36" deep from front edge of sidewalk. 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.



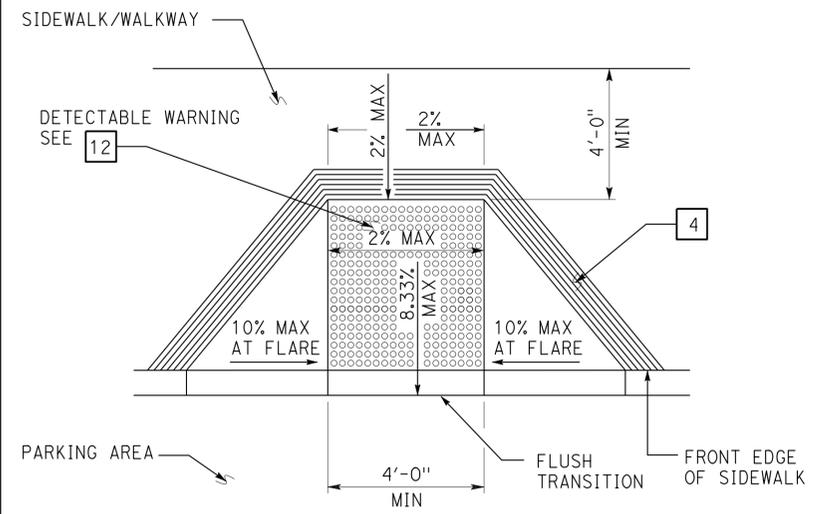
1 ACCESSIBLE PARKING STALL



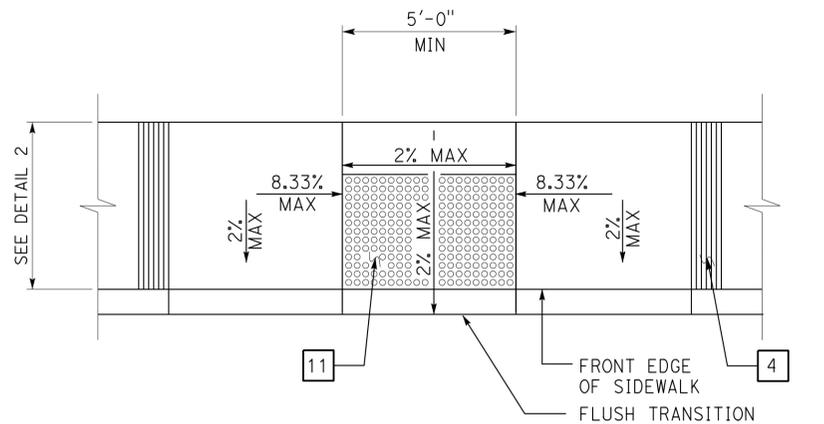
2 DIAGONAL ACCESSIBLE PARKING STALL
 See plan for any variation of diagonal parking. Angle of parking stalls shall either match the existing angle or be indicated on plans.



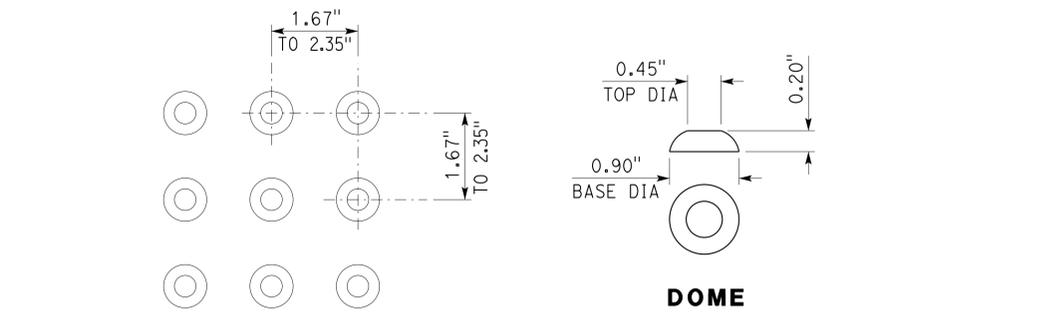
3 GROOVE DETAIL



4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



6 DETECTABLE WARNING SURFACE - TRUNCATED DOMES
 Dome dimensions are nominal, which may be within ±0.05" for dome spacing, and ±0.02" for dome size.

DETAILS
 No scale unless otherwise noted

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

STANDARD DRAWING			
FILE NO. 10-12	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED 
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR
SUBMITTED BY Y.A. Wang			

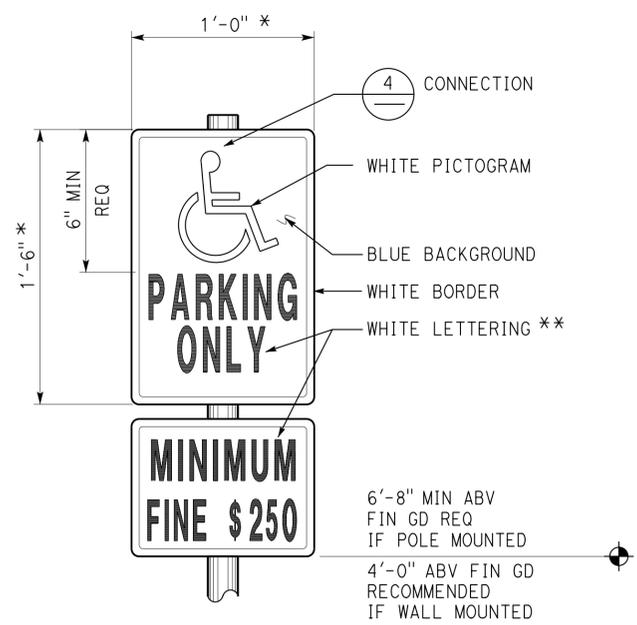
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION			
BRIDGE NO. 48M5710	POST MILE 51.53	ACCESSIBILITY	ACCESSIBILITY STANDARD DETAILS

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	
PROJECT NUMBER & PHASE 110000027711	REVISION DATES (PRELIMINARY STAGE ONLY)

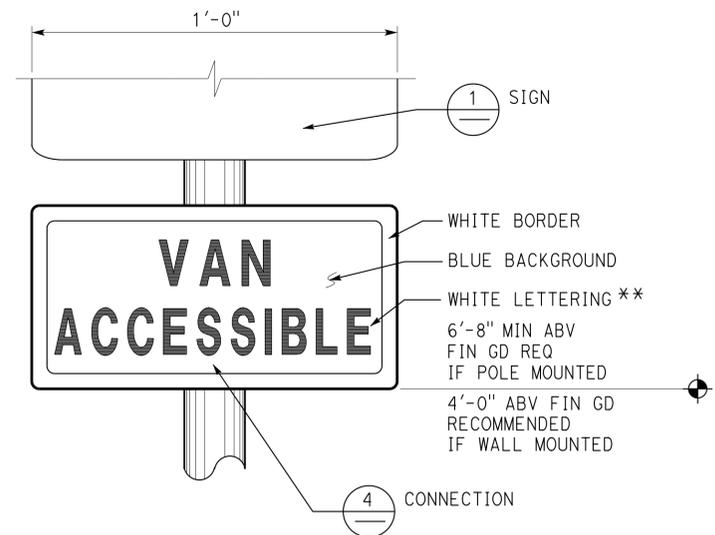
UNIT	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF
3584	-07	4 OF 59

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	5	59

<i>Y.A. Wang</i>		10-19-12	
LICENSED ARCHITECT		DATE	
12-09-13			
PLANS APPROVAL DATE			
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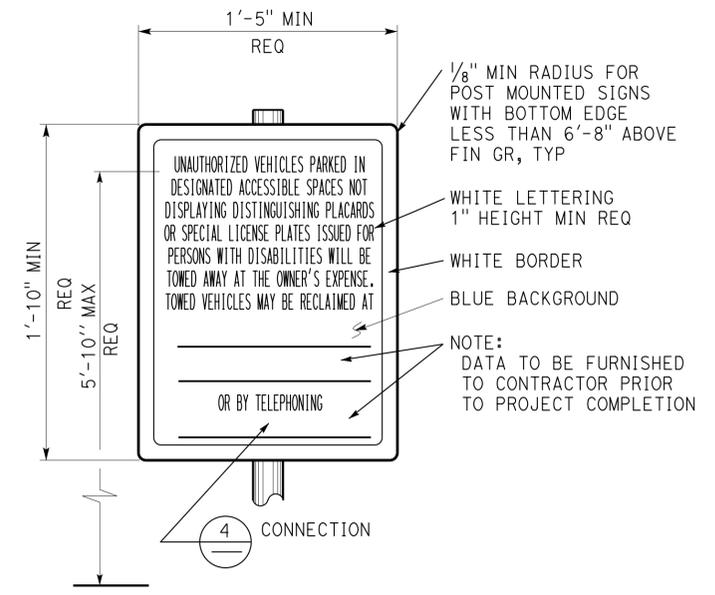


1 ACCESSIBLE PARKING SIGN
Refer to Site Plan for locations. Combo sign may be used.
* Min area 70 sq in req
** 2" min ht req for up to 10'-0" mounting ht from baseline of highest letter to fin gd.
3" min ht req for mounting ht over 10'-0".

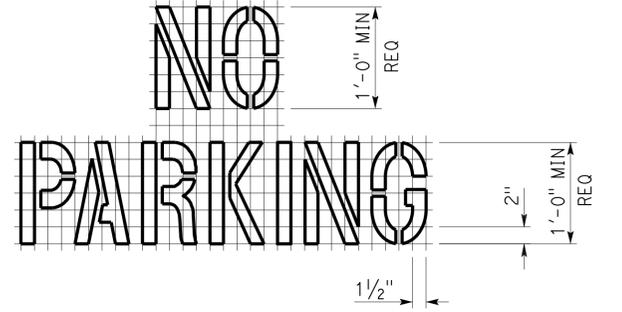


2 ACCESSIBLE VAN PARKING SIGN
Refer to Site Plan for locations. Combo sign may be used.

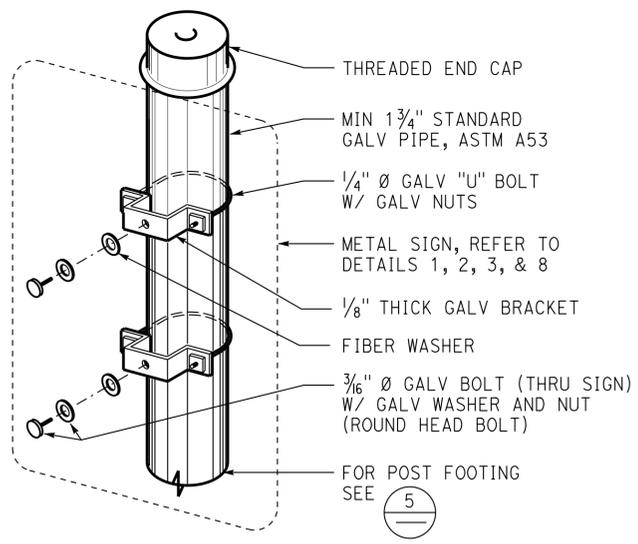
Note:
All listed sign sizes are recommended standard sizes, unless otherwise noted as required. All mounting heights are recommended, unless otherwise noted as required.



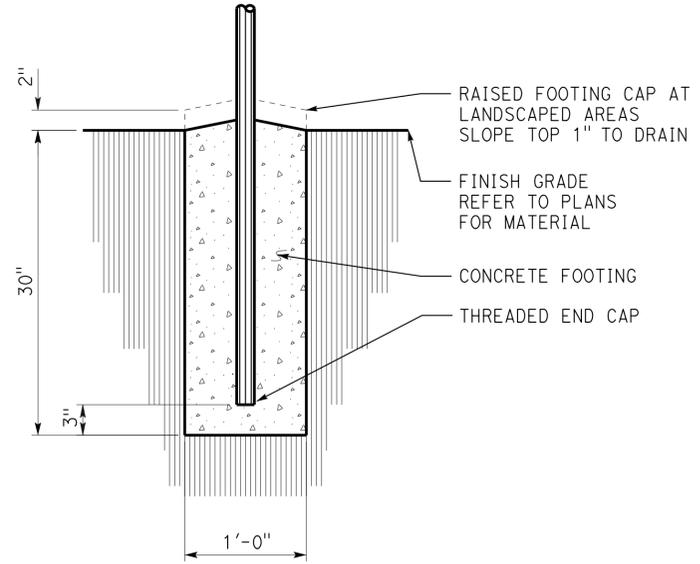
3 UNAUTHORIZED VEHICLES PARKING SIGN
Refer to Site Plan for locations. Colors may vary. Sign shall not be posted in a path of travel.



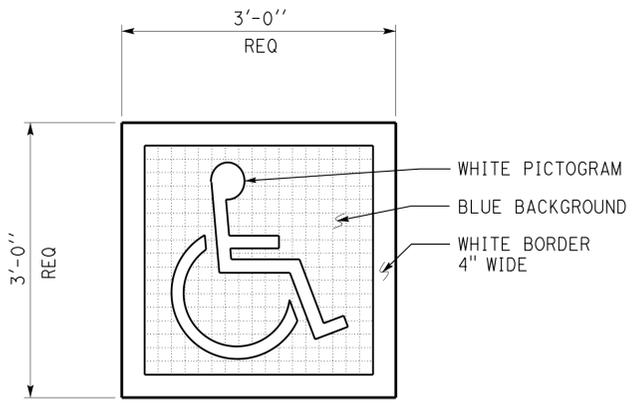
7 ACCESS AISLE PAVEMENT MARKING



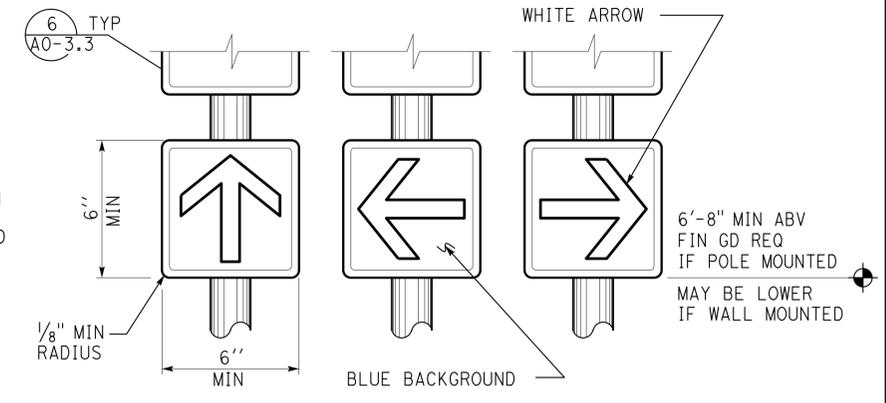
4 SIGN CONNECTION



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 or General Plan for locations. Wall or door mounted signs may be used. Combo sign may be used. Colors may vary.

DETAILS
No scale unless otherwise noted

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

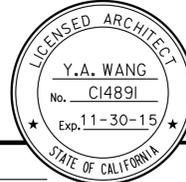
STANDARD DRAWING			
FILE NO. _____	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED <i>Y.A. Wang</i>
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR
SUBMITTED BY Y.A. Wang			

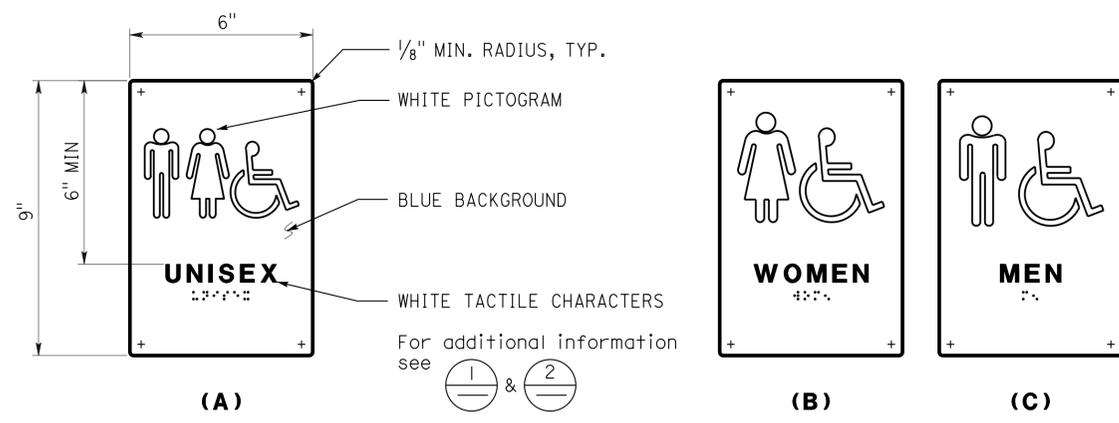
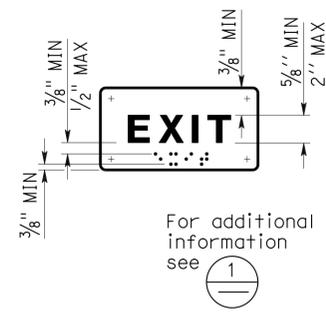
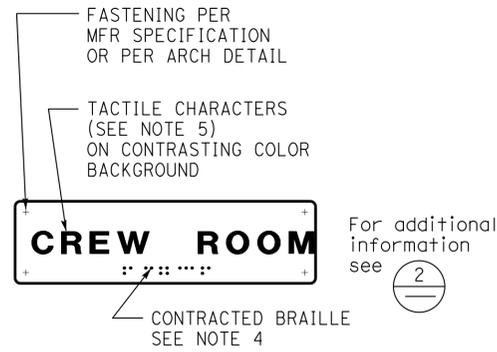
STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES	
DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN	
BRIDGE NO. 48M5710		POST MILE 51.53	
UNIT 3584		PROJECT NUMBER & PHASE 110000027711	

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY		SHEET A0-3.2
ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS
REVISION DATES (PRELIMINARY STAGE ONLY)		
- -07		

FILE NO. a0_03b_1.dgn	DATE 28-JAN-2014 14:03	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3584 110000027711	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	6	59

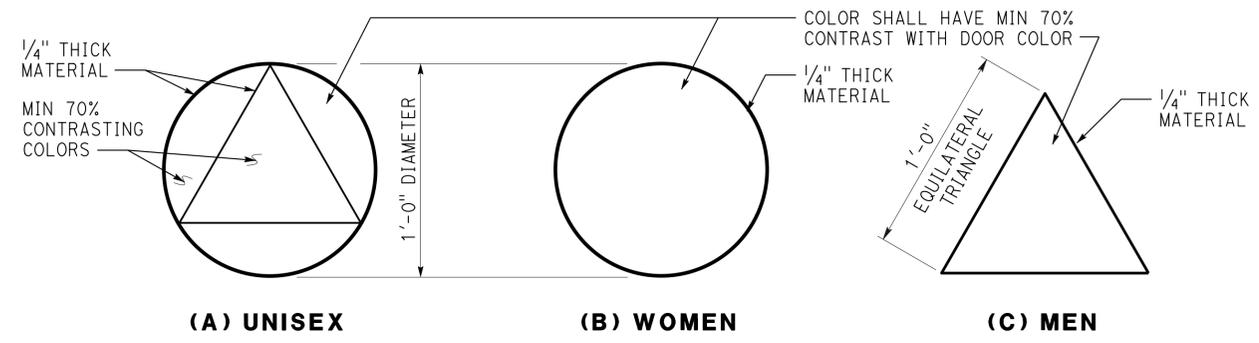
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12-09-13 PLANS APPROVAL DATE		The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.	



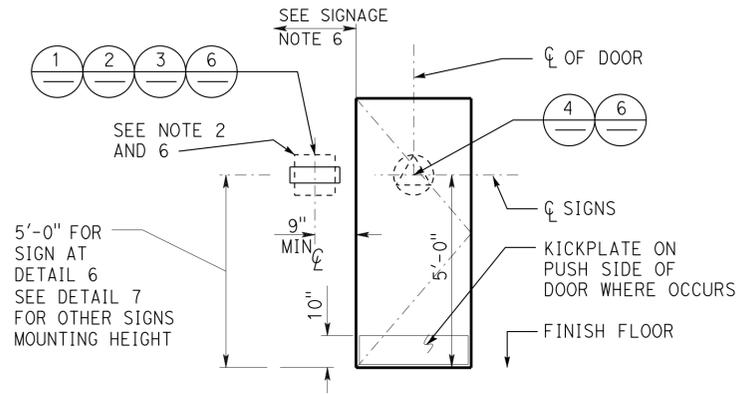
1 ROOM IDENTIFICATION SIGN
 Install per Detail 5.
 Text varies.
 See plans, ext elevations, or door schedule for locations and text.
 See Detail 7 for sign mounting heights.

2 INTERIOR EXIT SIGN
 Install per Detail 5.
 Text may vary.
 See plans, or door schedule for locations and text.
 See Detail 7 for sign mounting heights.

3 RESTROOM/SHOWER ROOM SIGNS
 Install per Detail 5.
 See Detail 7 for sign mounting heights.

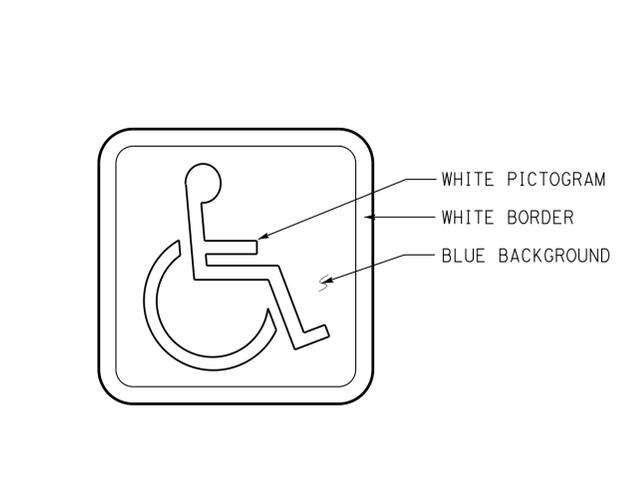


4 RESTROOM/SHOWER ROOM IDENTIFICATION SYMBOLS
 Install per Detail 5.
 Any pictogram and text are not required.

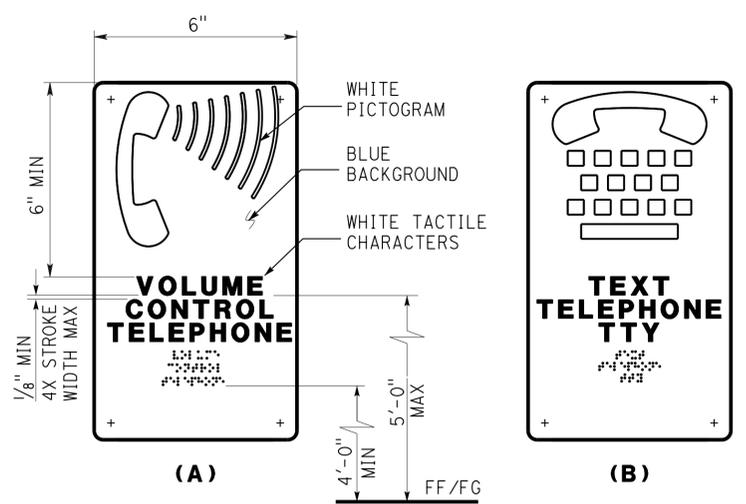


5 SIGN LOCATIONS
 Refer to signage notes for additional information.

- SIGNAGE NOTES:**
1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on inactive leaf at double doors, or to the right of right hand door at double doors with two active leaves.
 2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
 3. See door schedule for text and sign location, UON.
 4. 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.
 5. Tactile characters shall be uppercase sans serif raised 1/32" min. Fonts shall be selected where width of letter "O" is 60% min and 110% max of height of letter "I". Stroke thickness of letter "I" is 10% min and 20% max of height of the character.
 6. Provide 18"x18" min clear floor space in front of and centered on any tactile sign.
 7. Sign color shall have a minimum of 70% contrast to door or wall color. Text and pictogram shall have a minimum of 70% contrast to sign color.
 8. Tactile character height is measured based on height of uppercase letter "I".



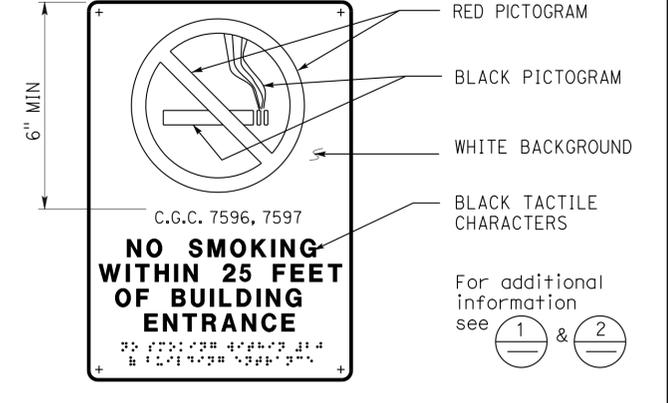
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 Install per Detail 5.
 See plans, elevations, or schedule for sign locations.
 Decal may be used.



7 TELEPHONE SIGNS
 Text may vary.
 See plans or exterior elevations for sign locations and mounting heights.



8 RESTROOM ACCOMPANY SIGN
 See plans or elevations for locations.
 See Detail 7 for sign mounting heights.



9 NO SMOKING SIGN
 See plans or ext elevations for locations.
 See Detail 7 for sign mounting heights.

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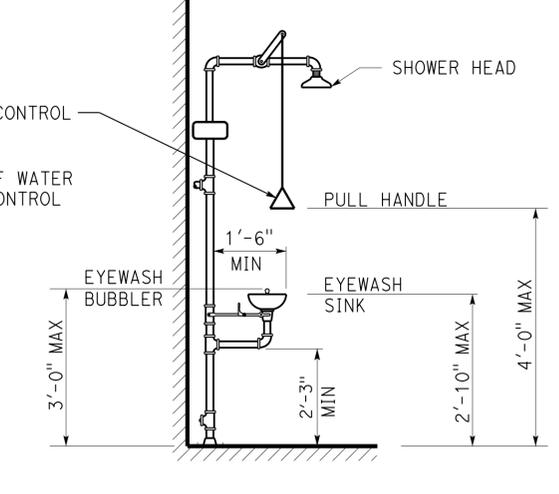
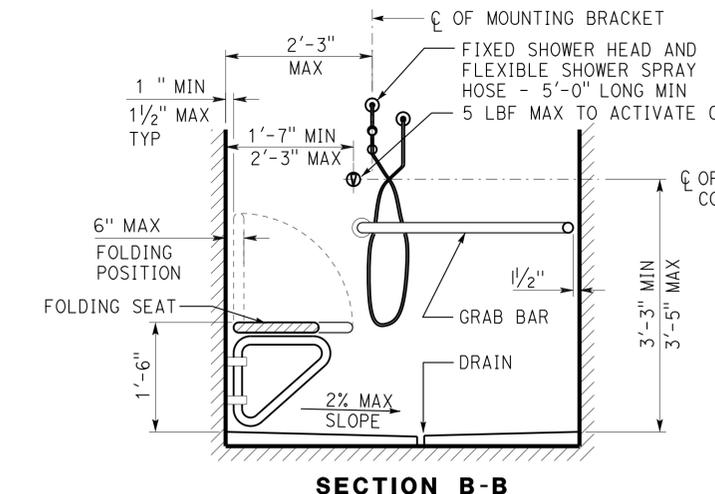
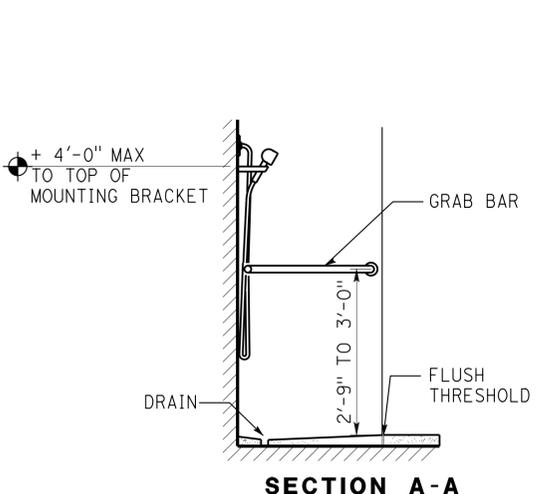
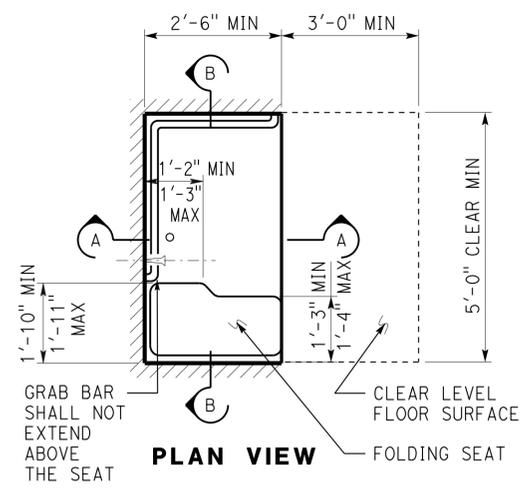
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		RAINBOW SOUTHBOUND		SHEET	
FILE NO. 10-12	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED R.E. Travis	CALIFORNIA		ARCHITECTURAL AND STRUCTURAL DESIGN		48M5710		TRUCK INSPECTION FACILITY		A0-3.3	
DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		PROJECT NUMBER & PHASE 110000027711		51.53		ACCESSIBILITY STANDARD DETAILS		OF	
SUBMITTED BY Y.A. Wang				UNIT 3584		DISREGARD PRINTS BEARING EARLIER REVISION DATES		ACCESSIBILITY		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	
a0_03c_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		- 07		-		OF	
TAEMWW imperial Rev. 7/10 28-JAN-2014 14:03				EA 11-275601								a0_03c_1.dgn	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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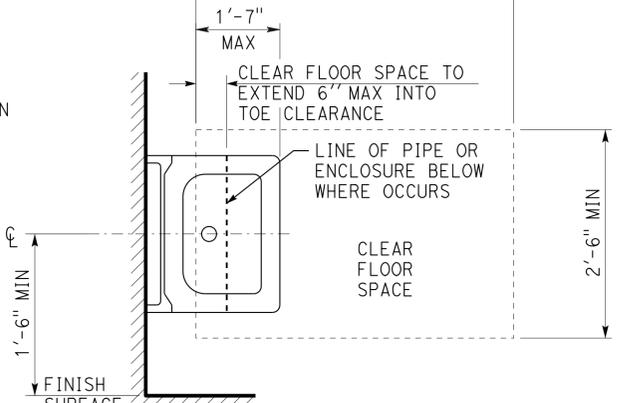
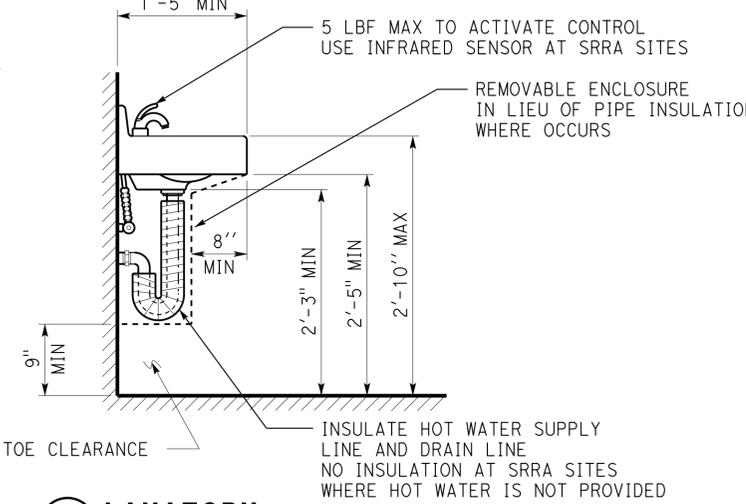
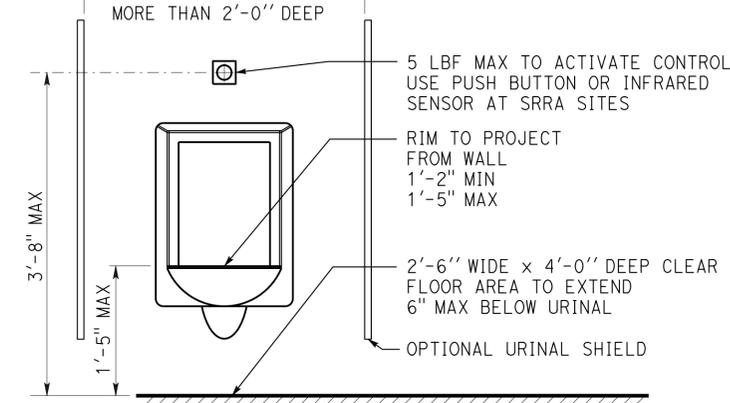
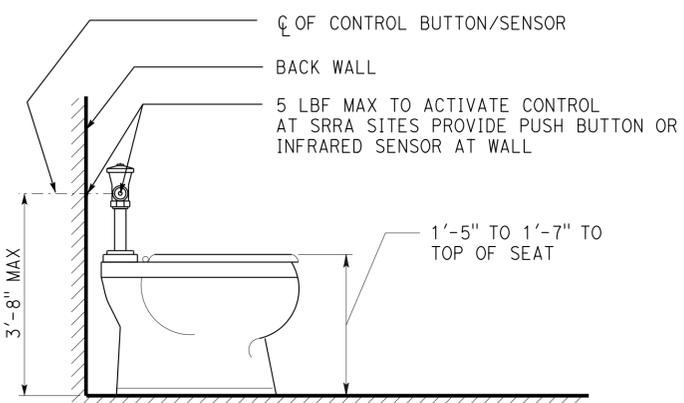
 LICENSED ARCHITECT		10-19-12 DATE
12-09-13 PLANS APPROVAL DATE		
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1100000277 Reviewed by:  Date: 4-9-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or 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: 4-7-13
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1 SHOWER STALL
 Optional standard shower head may be added to wall opposite shower seat. Locate water diverter per water control.

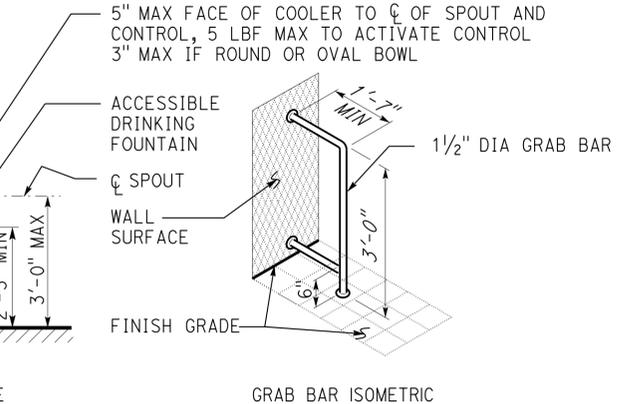
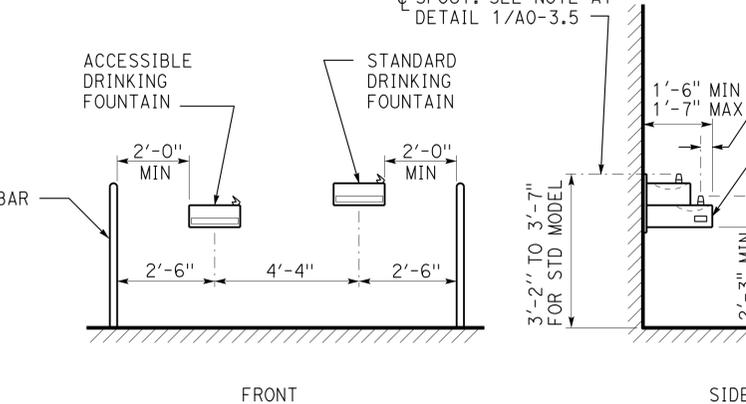
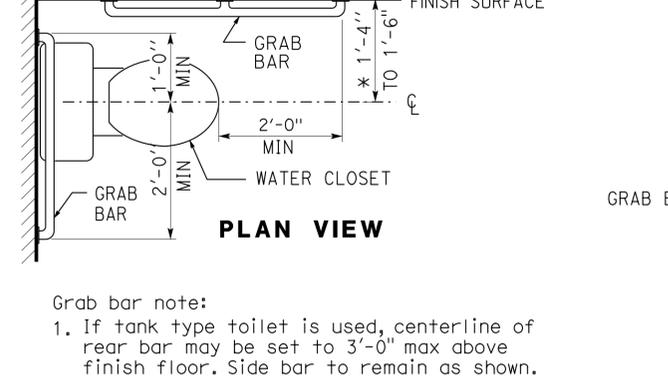
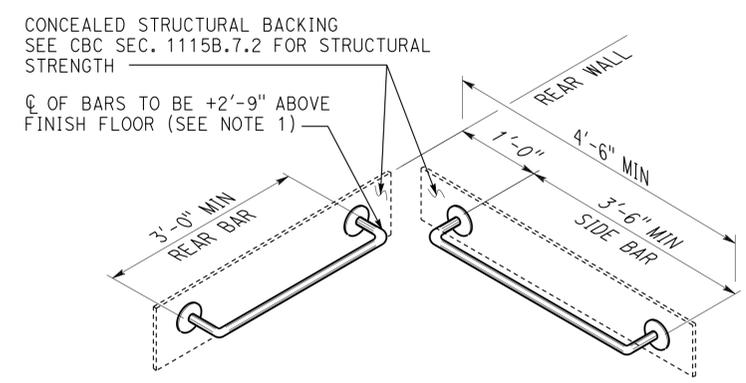
2 EMERGENCY EYEWASH/SOWER
 Foot pedal may be added to operate equipment



3 WATER CLOSET
 See Spec for fixture type

4 URINAL

5 LAVATORY



6 GRAB BARS/ WATER CLOSET

Grab bar note:
 1. If tank type toilet is used, centerline of rear bar may be set to 3'-0" max above finish floor. Side bar to remain as shown.
 2. Grab bars to be 1 1/4" To 1 1/2" diameter with clear space of 1 1/2" to smooth wall surface.
 * 1'-5" to 1'-7" at ambulatory accessible compartment.

7 ELECTRIC WATER COOLER
 In lieu of grab bars, other types of wing walls may be used. Dimensions at front elevation may vary - see plan. Provide clear level area w/max 2% slope in all directions at each fixture. See clear floor space at detail 1/A0-3.5 for size and location.

DETAILS
 No scale unless otherwise noted

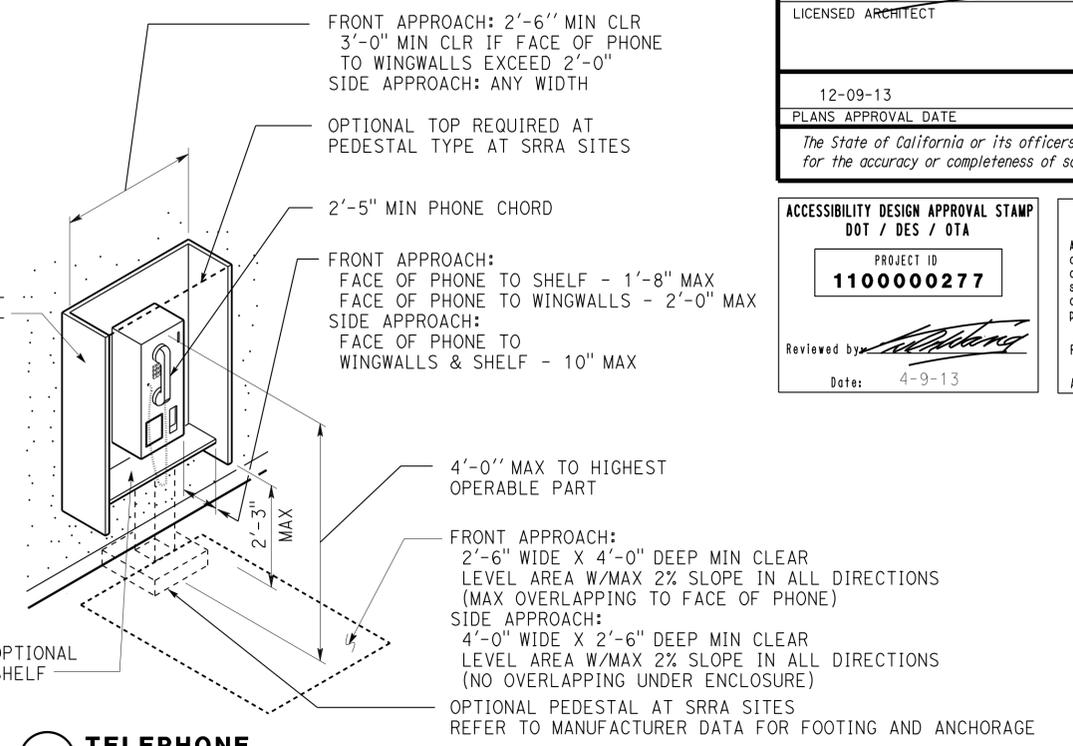
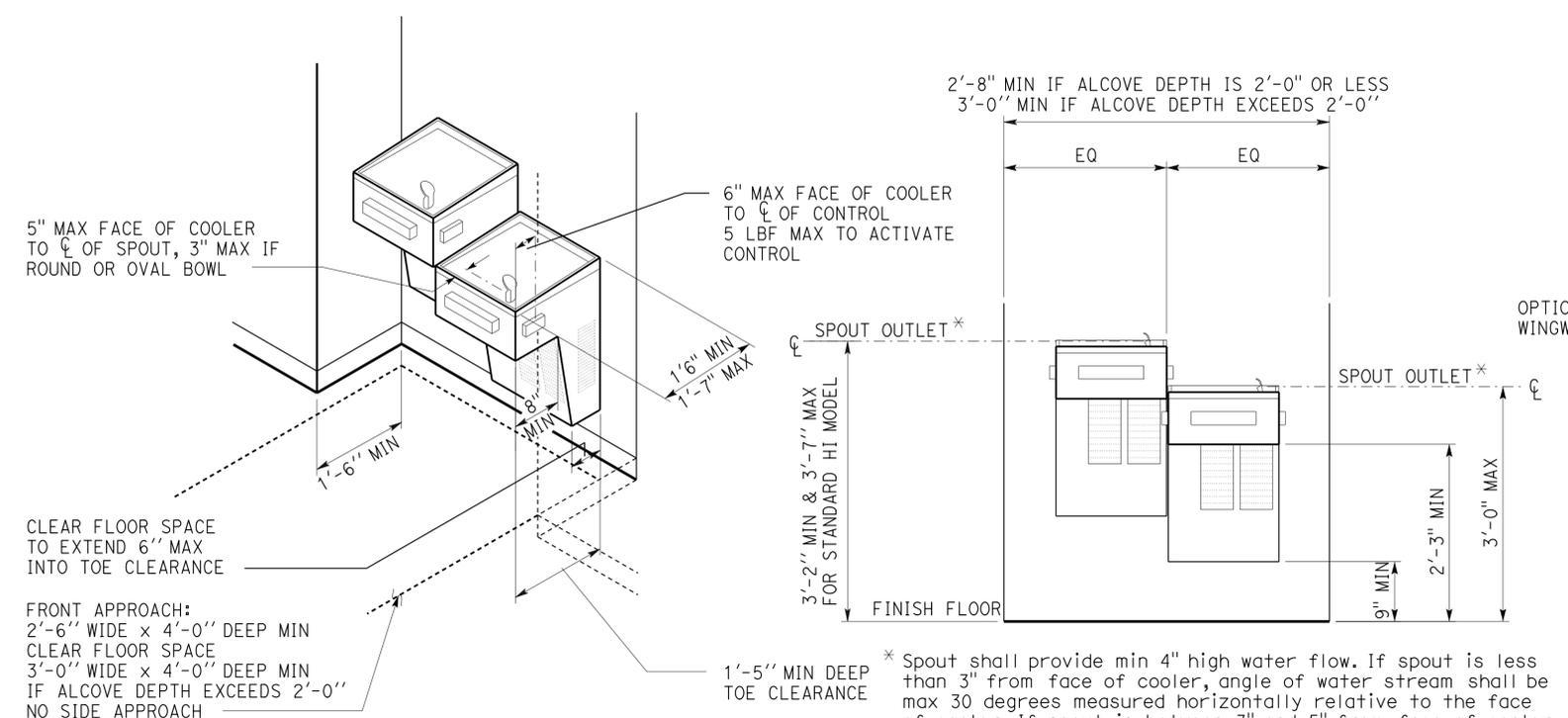
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STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		RAINBOW SOUTHBOUND		SHEET			
FILE NO.	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED	CALIFORNIA		ARCHITECTURAL		48M5710		TRUCK INSPECTION FACILITY		A0-3.4			
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		AND STRUCTURAL DESIGN		51.53		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS			
SUBMITTED BY Y.A. Wang			UNIT 3584		PROJECT NUMBER & PHASE 110000027711		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF				
a0_03d_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3				- 07			
TAEMW imperial Rev. 7/10 28-JAN-2014 14:03				EA 11-275601											

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	8	59

LICENSED ARCHITECT: *Y.A. Wang*
 DATE: 10-19-12
 LICENSED ARCHITECT: Y.A. WANG
 No. C14891
 Exp. 11-30-15
 STATE OF CALIFORNIA

PLANS APPROVAL DATE: 12-09-13
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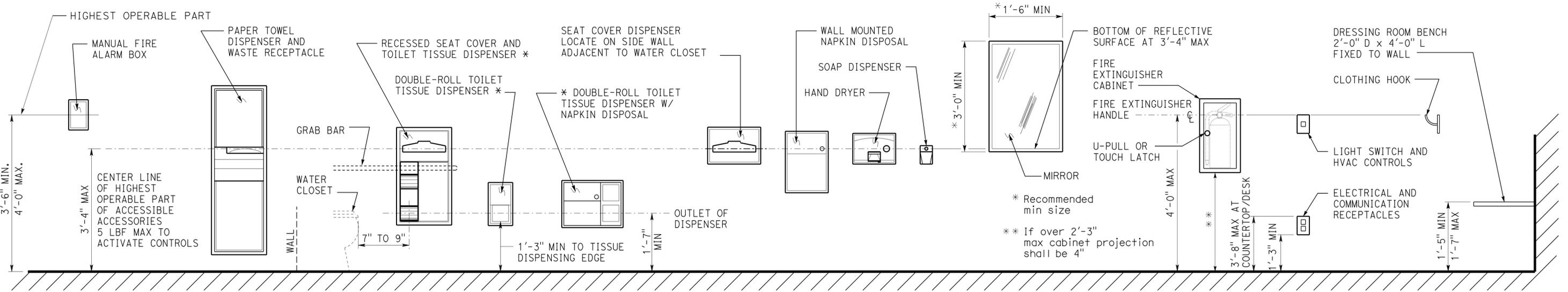
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DOT / DES / OTA PROJECT ID: 1100000277 Reviewed by: <i>Y.A. Wang</i> Date: 4-9-13	Approved by: <i>[Signature]</i> Approval date: 4-7-13 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

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

Note: Seat surface shall be slip resistant and shall not accumulate water (E.G., 2% max slope to drain) when installed in conjunction with wet locations. Structural strength of the bench and attachments shall comply w/CBC Sec. 1115B.7.2



3 ACCESSORIES

DETAILS
No scale unless otherwise noted

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STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		RAINBOW SOUTHBOUND		SHEET	
FILE NO. 10-12r	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED <i>Y.A. Wang</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		48M5710		TRUCK INSPECTION FACILITY		A0-3.5	
DATE 10-12r	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR					51.53		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS	
SUBMITTED BY Y.A. Wang													
a0_03e_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMW imperial Rev. 7/10 28-JAN-2014 14:03				0 1 2 3		3584 110000027711		- -07				28-JAN-2014 14:03	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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 LICENSED ARCHITECT
 DATE 01-04-13


12-09-13
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ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
 1055 WEST 7th STREET., SUITE 3150
 LOS ANGELES, CA. 90017-2577

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

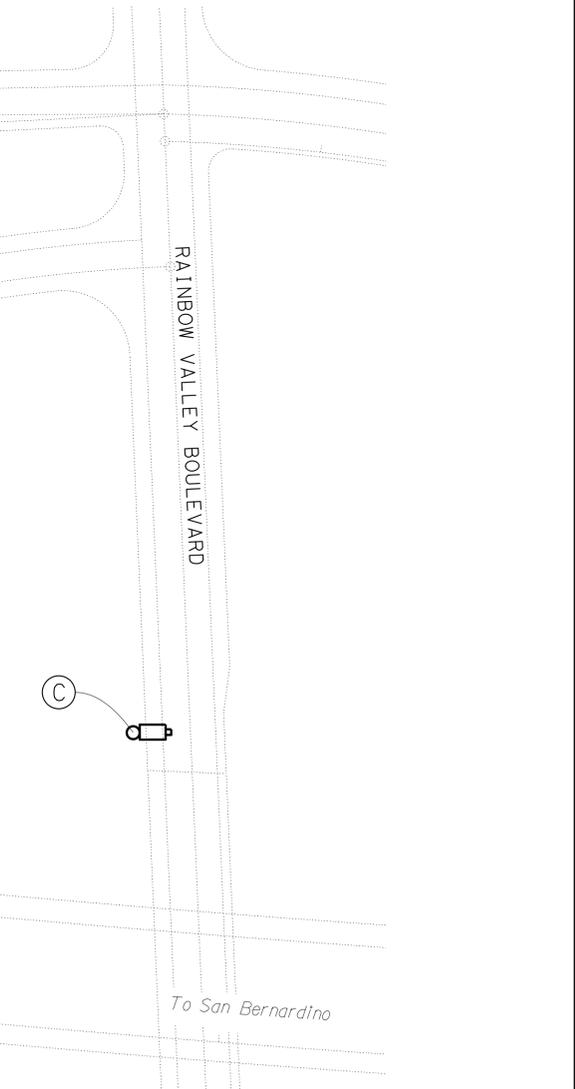
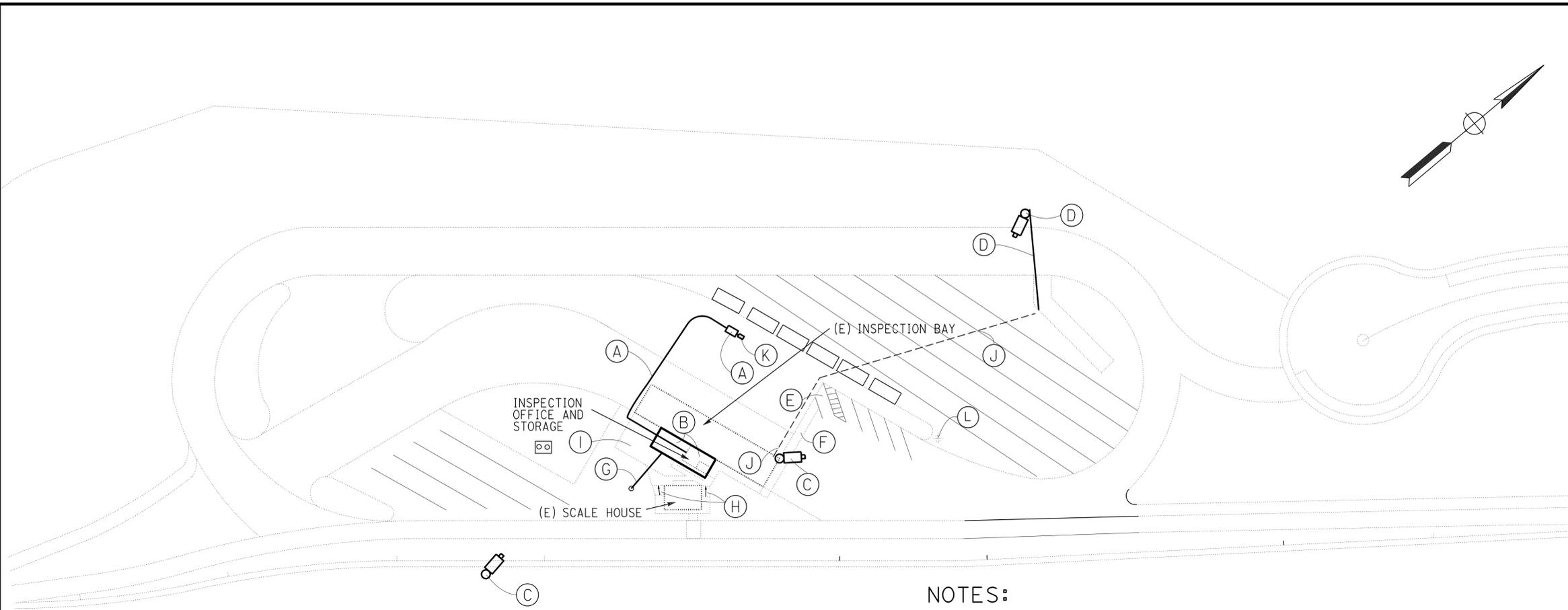
PROJECT ID
1100000277

Reviewed by: 
 Date: 4-9-13

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 
 Approval date: 4-7-13



GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. POTs from site entrance on property line to the new addition and renovated areas are not required to be in the scope of work, as there is no bus stop, public street, or sidewalk in the adjacency, and all users and any visitors shall arrive by vehicles only.
3. POTs from accessible parking to (e) buildings/facilities not altered under this project are not required to be included in the scope of work.
4. POTs from the new addition and renovated areas to (e) buildings/facilities not altered under this project are not required to be included in the scope of work.
5. POTs connecting (e) buildings/facilities not altered under this project are not required to be included in the scope of work.
6. POTs indicated at site plan shall be the most practical and direct route between (e) accessible parking and new exterior door at new building. Exact locations of POT's shall be determined by the field engineer. POT may be striped to provide high visibility and safety protection. The contractor shall verify and remove any barriers at POT to comply with all items below.
7. Any POT with continuous gradients shall have a clear level area with max. 2% slope in all directions at least 5 feet in length at intervals of 400 feet max.
8. Except for any required clear level areas, POT may have max. 5% slope in the direction of travel and max. 2% cross slope.
9. POT may have max. 1/2 inch level change with max. 1:2 slope. Level change not exceeding 1/4 inch may be vertical. Any level change exceeding 1/2 inch or any slope in the direction of travel exceeding 5% shall be accommodated by code-compliant curb ramp or ramp.
10. POT surface shall be firm, stable, slip-resistant, without loose gravels, sand, chips, etc.

NOTES:

- (A) Install new standby generator. Trench new conduit to elec. room. Where new conduit crosses the PCC lane, use jacking method instead of trenching. Remove (E) paving and curb. Replace to match and replace all affected landscaping and irrigation.
- (B) Demo (E) structure (11'-0" X 19'-0") and pavement. Construct new structure at 15'-2" X 37'-8".
- (C) Remove (E) CCTV camera and replace with new one.
- (D) Trench new conduit from (E) pullbox, extend circuits and install CCTV camera on existing pole. Where new conduit crosses the PCC lane, use jacking method instead of trenching. Remove (E) paving and curb. Replace to match.
- (E) (E) Handicap accessible van parking space with adjacent 8 foot loading access aisle- paint the words "NO PARKING" on the space of the loading aisle per CBC 1129B.3.2 & Figure 11B-11C. Provide signage per CBC 1129B.4.
- (F) Provide accessible path of travel striping per CBC 1133B.7.1 Circulation, where no pedestrian way shall be sized to be less than 48 inches in clear width. See "ACCESSIBILITY PLAN" sheet A-04.
- (G) Construct new sanitary sewer connection to (E) manhole. Refer to sheet MP-1 "PLUMBING SCHEDULES."
- (H) Repave concrete walkway. Slope down to asphalt driveway.
- (I) Repave asphalt driveway.
- (J) (E) Conduit homerun to Electrical Room 105 to be utilized for CCTV cable.
- (K) Owner furnished 500 gallon Propane Tank on Contractor constructed concrete pad per "SOG at Genset Pad" detail on 8/ST-07. Size per requirements of Propane Vendor. Contractor to provide all required connections between tank and genset. All distribution piping to be underground.
- (L) Unauthorized vehicles parking sign per detail 3/A0-3.2.

A-01.DGN	DESIGN	BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY SITE MAP	SHEET
	DETAILS	BY Rachel Hu	CHECKED Mark A. Peterson		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		OF
TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	QUANTITIES	BY Rachel Hu	CHECKED Mark A. Peterson	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3584 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13

27-JAN-2014 13:55 A-01.DGN

SEE LOCATION PLAN FOR CONTINUATION



DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	10	59


 LICENSED ARCHITECT
 DATE 01-04-13

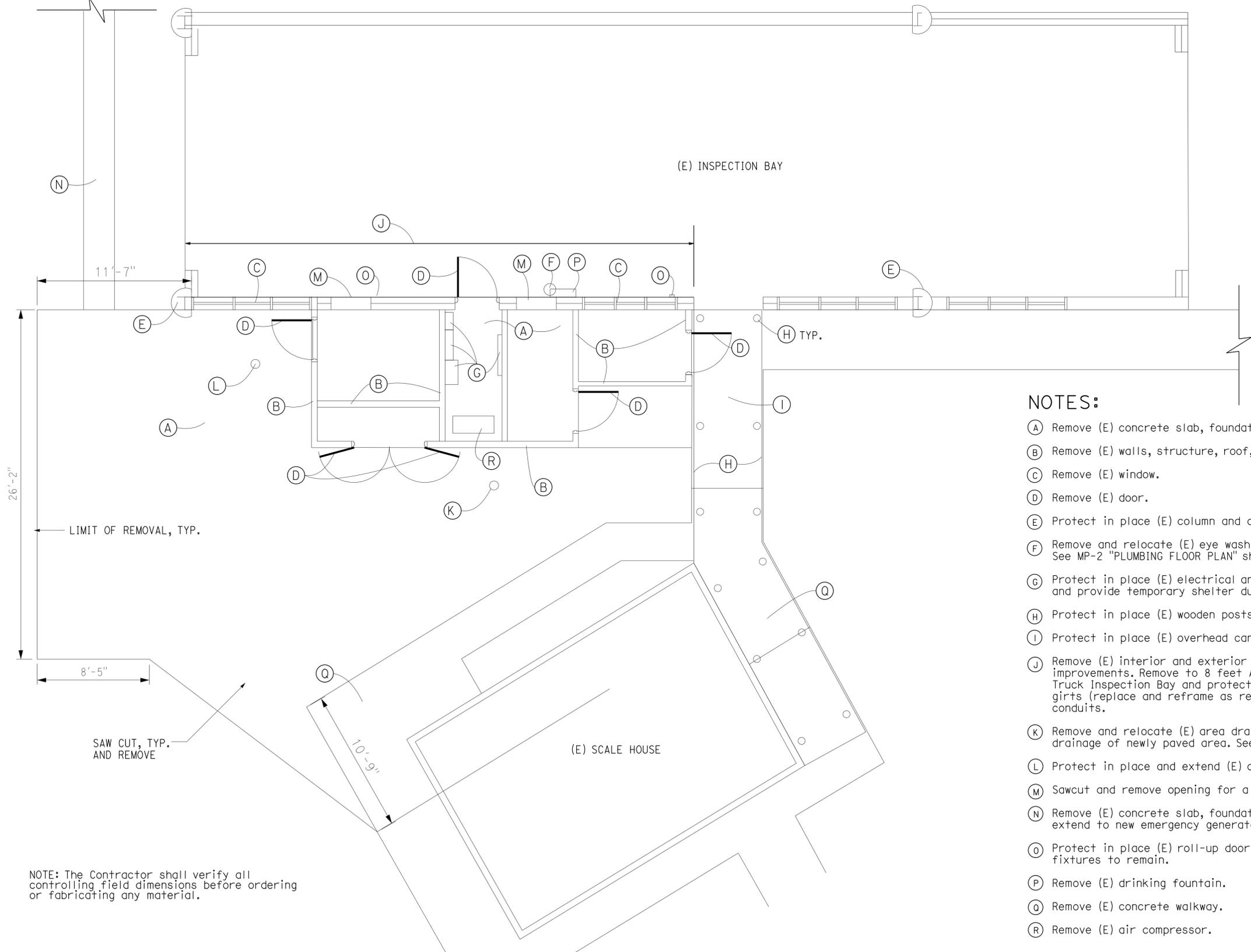

12-09-13
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
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 Date: 4-9-13

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NOTES:

- (A) Remove (E) concrete slab, foundations, & AC Paving.
- (B) Remove (E) walls, structure, roof, interior finishes, etc.
- (C) Remove (E) window.
- (D) Remove (E) door.
- (E) Protect in place (E) column and curb/pedestal.
- (F) Remove and relocate (E) eye wash station (replumb as required). See MP-2 "PLUMBING FLOOR PLAN" sheet.
- (G) Protect in place (E) electrical and communications equipment and provide temporary shelter during construction.
- (H) Protect in place (E) wooden posts, typ.
- (I) Protect in place (E) overhead canopy.
- (J) Remove (E) interior and exterior finish as required for proposed improvements. Remove to 8 feet A.F.F. interior metal siding on the Truck Inspection Bay and protect in place associated columns and girts (replace and reframe as required). Protect in place all (E) conduits.
- (K) Remove and relocate (E) area drain. Set new elevation to provide positive drainage of newly paved area. See "FLOOR PLAN" sheet A-03.
- (L) Protect in place and extend (E) clean out to match new finished floor.
- (M) Sawcut and remove opening for a new door.
- (N) Remove (E) concrete slab, foundations, & AC Paving for new conduit trench, extend to new emergency generator.
- (O) Protect in place (E) roll-up door controller, (E) wall lights, and other (E) fixtures to remain.
- (P) Remove (E) drinking fountain.
- (Q) Remove (E) concrete walkway.
- (R) Remove (E) air compressor.

1/4" = 1'-0"

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

DESIGN	BY Rachel Hu	CHECKED Mark A. Peterson
DETAILS	BY Rachel Hu	CHECKED Mark A. Peterson
QUANTITIES	BY Rachel Hu	CHECKED Mark A. Peterson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	48M5710
POST MILE	51.53

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY
DEMOLITION PLAN

SHEET
A-02

27-JAN-2014 13:55

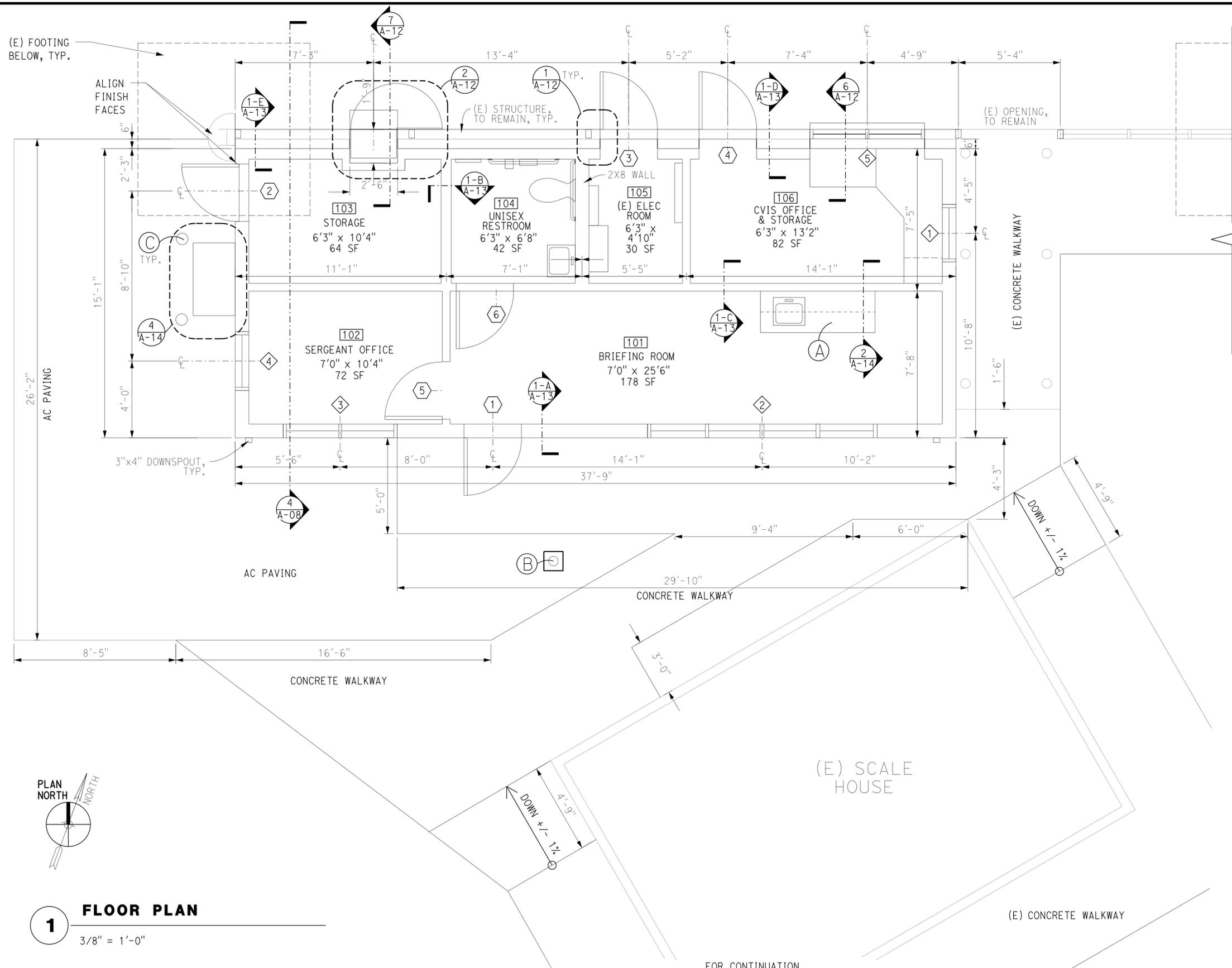
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	11	59

01-04-13 DATE
 LICENSED ARCHITECT
 Mark Peterson
 No. C 25229
 Exp. 05-31-15
 STATE OF CALIFORNIA

12-09-13
 PLANS APPROVAL DATE
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FOR CONTINUED WALKWAY, SEE SITE PLAN, A-01.

- NOTES:**
- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
 - U.N.O. all interior framing is 2X4. Perimeter framing is 2X6.
 - Make (N) concrete walkway pavement flush with (N) AC paving.
 - Dimensions are to finished face or center line of wall.
- (A) Briefing room casework detail, see 1/A-09 "INTERIOR ELEVATIONS" sheet
 (B) Slope new paving at a maximum of 2% to 12"x12" water rated precast concrete inlet with galvanized grate.
 (C) Painted steel pipe bollard, typ. See 3/A-14 "DETAILS" sheet



1 FLOOR PLAN
 3/8" = 1'-0"

FOR CONTINUATION, SEE SITE PLAN, A-01.

A-03.DGN TAEMWW Imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY FLOOR PLAN	SHEET OF A-03
	DETAILS BY Rachel Hu CHECKED Mark A. Peterson		QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson	UNIT PROJECT NUMBER & PHASE 3584 11000002771		DISREGARD PRINTS BEARING EARLIER REVISION DATES

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

EA 11-275601

27-JAN-2014 13:55

NOTES:

- (A) (E) Accessible Van Parking Space located nearest to the primary entrance meets minimum requirement of one accessible parking space for every 25 parking spaces per CBC 1129B.
- (B) (E) 96" wide loading and unloading access aisle placed on the side opposite the driver's side. Paint the words "NO PARKING" on the space of the loading aisle. The notice shall be painted no less than 12 inches (305 mm) high and located so that it is visible to traffic enforcement vehicles per CBC 1129B.3.
- (C) Stripe 48" wide accessible path of travel along the west side of the parking lot from the accessible van parking space to the exterior entrances of the building per CBC 1127B.1, CBC 1133B.7.1 and 1114B.1.2. Paint 4" wide, blue hatch lines spaced 36" O.C. to designate space. Restripe (E) trash dumpster area so that accessible path of travel lines up with accessible parking stall. Stripe hatch lines to match (E) loading access aisle.
- (D) Per CBC 1133B.7.1 Accessible Route of Travel, the minimum clear width of an accessible route is 48" wide.
- (E) Continuous concrete paving, with no protruding objects comply with CBC 1133B.7 and 1133B.8.6.
- (F) Exterior door and interior doors of 3' in width and 7' in height must comply with CBC 1133B.2 Doors and 1133B.2.4.2 Maneuvering Clearances at Doors.
- (G) Strike side clearance complies with CBC 1133B.2.4.3.
- (H) Unisex restroom facility complies with CBC 1115B. Sink complies with CBC 1117B.9 Accessible Sinks. For "ENLARGED RESTROOM PLAN," see sheet A-10 "ADA RESTROOM DETAILS."
- (I) Per CBC 1115B.8.5, the 36" minimum path of travel to at least one accessible locker, the 5' diameter turning space, and the accessible bench comply with the 2010 ADA Standards.
- (J) Landings at door comply with CBC 1008.1.5 Floor Elevation, CBC 1008.1.6 Landings at Doors, and 1133B.2.4.
- (K) Provide signage per CBC 1129B.4. See detail 2/A0-3.2.
- (L) 3'-0" deep detectable warning surface. See detail 6/A0-3.1.
- (M) Parking bumper. See detail 1/A0-3.1.

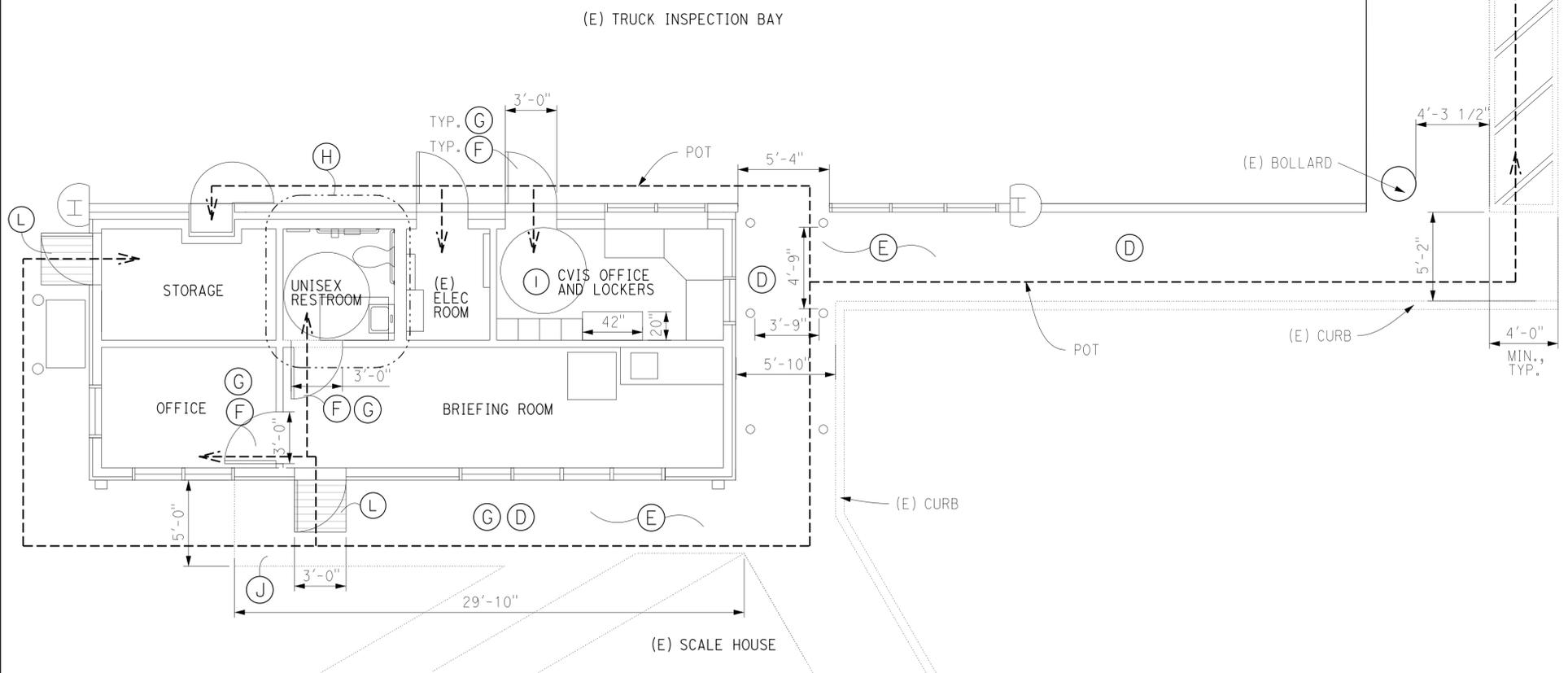
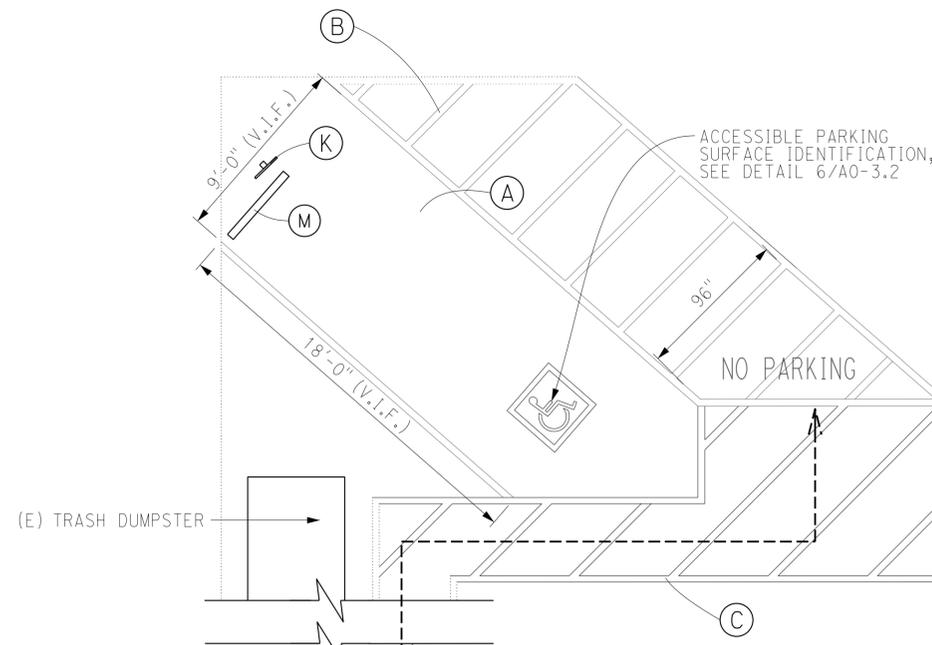
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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NOTES:

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

A-04.DGN TAEMWW imperial Rev. 7/10 2727 JAN 2014 13:55	DESIGN BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY ACCESSIBILITY PLAN	SHEET A-04	
	DETAILS BY Rachel Hu CHECKED Mark A. Peterson		UNIT 3584 PROJECT NUMBER & PHASE 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13	SHEET OF
	QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 11-275601		A-04.DGN	

27-JAN-2014 13:55

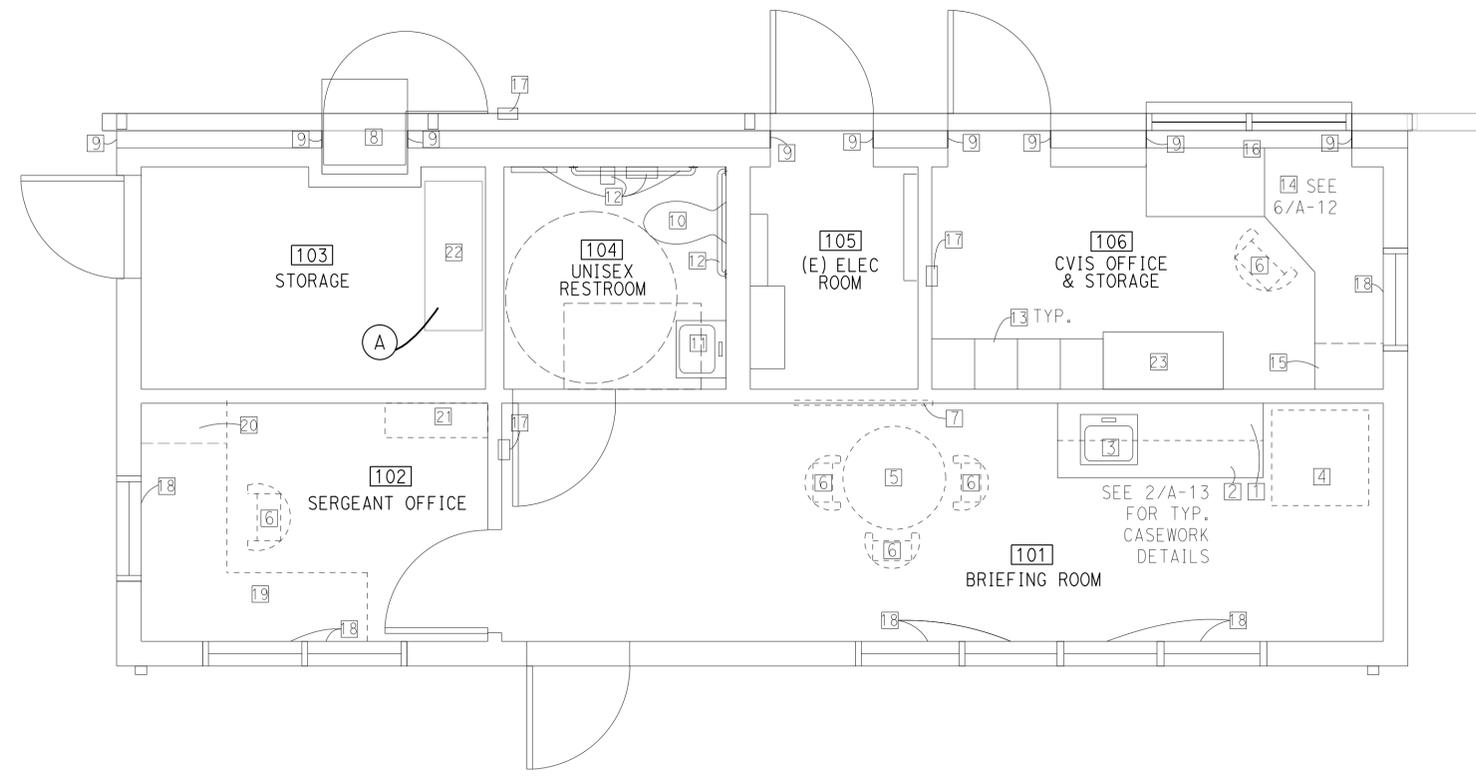
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	13	59

01-04-13
 LICENSED ARCHITECT DATE
 Mark Peterson
 No. C 25229
 Exp. 05-31-15
 LICENSED ARCHITECT STATE OF CALIFORNIA

12-09-13
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1 FURNITURE/EQUIPMENT PLAN
 3/8" = 1'-0"

NOTES:

(A) (N) Air Compressor. See mechanical drawings.

GENERAL NOTES:

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- Aisles formed by walls/equipment/stored materials at any room or space shall be minimum 36 inches wide if serving one side, and minimum 44 inches wide if serving both sides.

EQUIPMENT SCHEDULE

NO.	SPEC.	DESCRIPTION	FURNISHED BY	INSTALLED BY
1	99-06414	CASEWORK- OVERHEAD CABINETS	CONTRACTOR	CONTRACTOR
2	99-06414	CASEWORK- LOWER CABINETS	CONTRACTOR	CONTRACTOR
3	99-15441	SINK	CONTRACTOR	CONTRACTOR
4	N/A	REFRIGERATOR	OWNER	CONTRACTOR
5	N/A	ROUND TABLE (36" WIDE)	OWNER	OWNER
6	N/A	CHAIRS	OWNER	OWNER
7	99-10125	MARKER BOARD	CONTRACTOR	CONTRACTOR
8	99-06414	CASEWORK- COMPUTER CABINET	CONTRACTOR	CONTRACTOR
9	99-05810	EXPANSION JOINT COVER	CONTRACTOR	CONTRACTOR
10	99-15441	WATER CLOSET	CONTRACTOR	CONTRACTOR
11	99-15441	SINK	CONTRACTOR	CONTRACTOR
12	99-10801	TOILET ACCESSORIES	CONTRACTOR	CONTRACTOR
13	99-10501	WARDROBE LOCKER	CONTRACTOR	CONTRACTOR
14	99-06414	CASEWORK- DESK	CONTRACTOR	CONTRACTOR
15	99-06414	CASEWORK- FILE CABINET	CONTRACTOR	CONTRACTOR
16	99-06414	CASEWORK- COUNTERTOP	CONTRACTOR	CONTRACTOR
17	99-10522	RECESSED FIRE EXTINGUISHER + CABINET	CONTRACTOR	CONTRACTOR
18	99-12510	HORIZONTAL BLINDS	CONTRACTOR	CONTRACTOR
19	N/A	SERGEANT'S DESK	OWNER	OWNER
20	N/A	FILE CABINET	OWNER	OWNER
21	N/A	BOOKSHELF	OWNER	OWNER
22	99-11146	AIR COMPRESSOR	CONTRACTOR	CONTRACTOR
23	N/A	ACCESSIBLE BENCH	OWNER	CONTRACTOR

2 FURNITURE/EQUIPMENT SCHEDULE

NO SCALE

A-05.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY FURNITURE/EQUIPMENT PLAN	SHEET A-05 OF
	DETAILS BY Rachel Hu CHECKED Mark A. Peterson		UNIT PROJECT NUMBER & PHASE 3584 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13		EA 11-275601 A-05.DGN	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	15	59


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 Reviewed by: 
 Approval date: 4-7-13

DOOR AND WINDOW SCHEDULE

	DOORS/WINDOWS						FRAME DETAILS					REMARKS
	OPENING SIZE	TYPE	CONST.	FACING	FINISH	GLASS	HEAD	JAMB	SILL	FINISH	LABEL	
①	3'X6'	2C	H.M.	M.P.	-	2/A-13	3/A-13	-	SG	-	1	SEE NOTE 4
②	3'X6'	2A	H.M.	M.P.	-	2/A-13	3/A-13	-	SG	-	2	SEE NOTE 5
③	3'X6'	2B	H.M.	M.P.	-	2/A-13	1/A-12	-	SG	-	3	
④	3'X6'	2C	H.M.	M.P.	-	2/A-13	1/A-12	-	SG	-	4	
⑤	3'X6'	2C	S.C.	SG	-	2/A-13	3/A-13	-	SG	-	5	SEE NOTE 1
⑥	3'X6'	2C	S.C.	SG	-	2/A-13	3/A-13	-	SG	-	6	SEE NOTES 1, 2
⑦	3'X3'	4A	ALUM	PA	TG	2/A-11	-	3/A-11	PA	-	-	SEE NOTE 3
⑧	12'X3'	4B	ALUM	PA	TG	2/A-11	-	3/A-11	PA	-	-	
⑨	6'X3'	4C	ALUM	PA	TG	2/A-11	-	3/A-11	PA	-	-	
⑩	3'X3'	4A	ALUM	PA	TG	2/A-11	-	3/A-11	PA	-	-	
⑪	6'X4'	4D	ALUM	PA	TG	6/A-12	-	6/A-12	PA	-	-	

MATERIALS CODE LIST

ALUM	ALUMINUM FRAMING	M.P.	METAL PAINTED
PA	PAINTED ALUMINUM	SG	SEMI-GLOSS PAINT
H.M.	HOLLOW METAL	TG1"	INSULATED TEMPERED GLASS-
S.C.	SOLID CORE		SOLAR GRAY

- NOTES:
- 1" door undercut, see sheet M-4.
 - See detail 3(A)/A0-3.3 and 4(A)/A0-3.3 for door sign identification.
 - All operable windows shall have insect screens tempered glazing.
 - See detail 2/A0-3.3 and 6/A0-3.3 for door sign.
 - See 6/A0-3.3 for door sign.

1 DOOR/WINDOW SCHEDULE

FOR COLORS, SEE NOTE 4

MATERIAL / FINISH / COLOR SCHEDULE

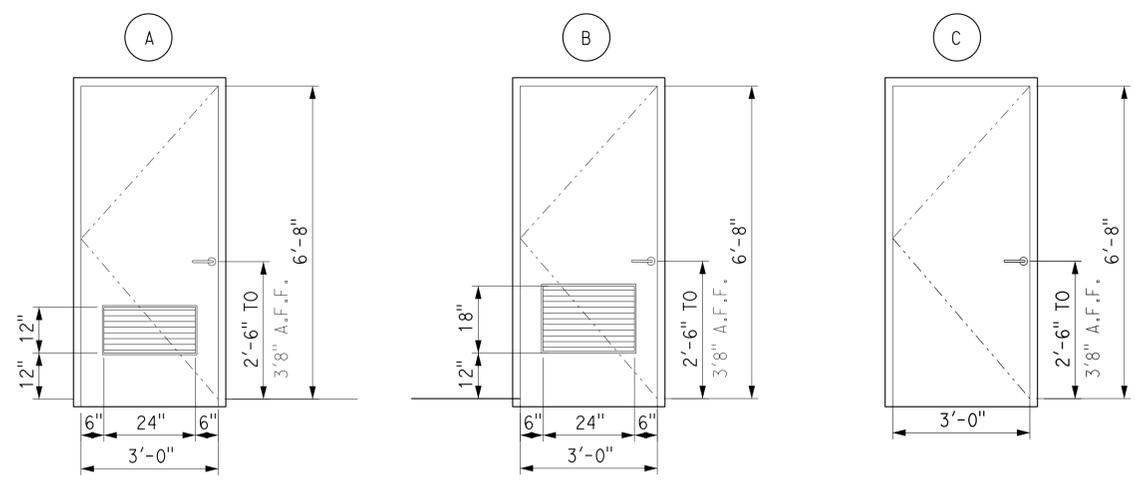
ROOM NAME	RM. NO.	CONSTRUCTION MATERIAL				FINISH MATERIAL								REMARKS
		FLOOR	WALL	CEILING	WALLS	FLOOR	BASE	CEILING	CEILING HEIGHT					
BRIEFING ROOM	101	CONC.	GYP	GYP	SG	SG	SG	SG	VCT	RB	SG	8'-10"		
SERGEANT OFFICE	102	CONC.	GYP	GYP	SG	SG	SG	SG	VCT	RB	SG	8'-10"		
STORAGE	103	CONC.	GYP	GYP	SG	SG	SG	SG	VCT	RB	FF	-	SEE NOTE 1	
UNISEX RESTROOM	104	CONC.	PT	GYP	SG/PT	SG/PT	SG/PT	SG/PT	PT	RB	FF	8'-10"	SEE NOTES 2, 3	
ELECTRICAL ROOM	105	CONC.	GYP	GYP	SG	SG	SG	SG	VCT	RB	FF	-	SEE NOTE 1	
CVIS OFFICE & STORAGE	106	CONC.	GYP	GYP	SG	SG	SG	SG	VCT	RB	GL	8'-10"		

MATERIALS CODE LIST

CONC.	CONCRETE	GYP	5/8" TYPE "X" GYPSUM BOARD
PT	PORCELAIN TILE, 2x2 UNO	RB	RUBBER BASE
FF	FACTORY FINISH	SG	SEMI-GLOSS PAINT
GL	GLOSS PAINT	VCT	12" X 12" VINYL COMPOSITE TILE

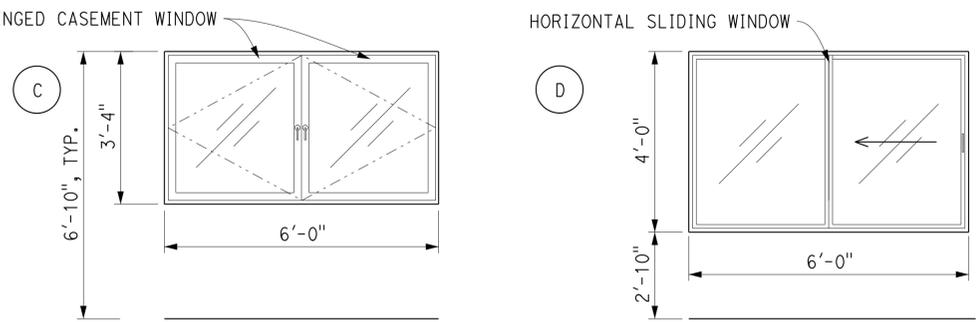
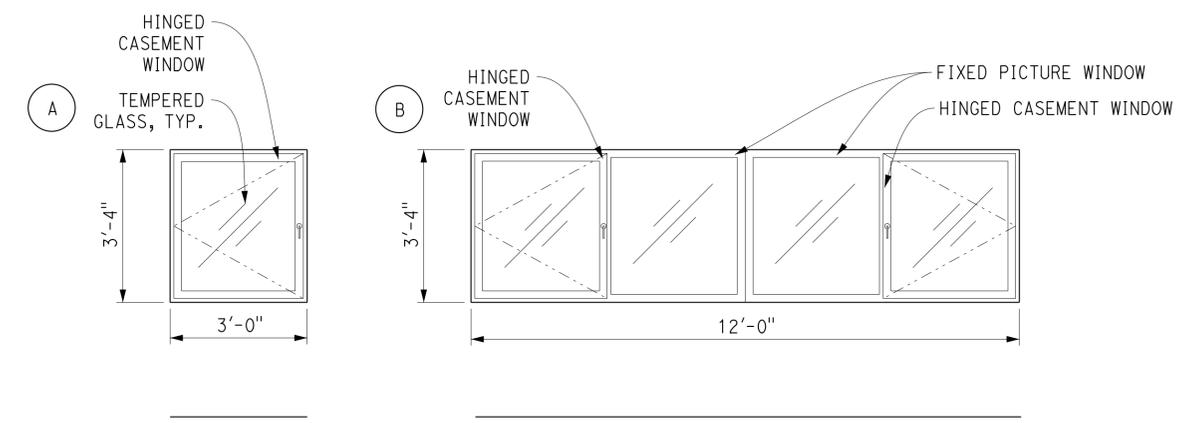
- NOTES:
- Gyp board ceiling along sloped roof rafters.
 - Gyp board ceiling.
 - 4x4 porcelain tile from finish floor to +4'-0".
 - Finish colors shall be as follows:
 Paint color for Interior Gypsum Board: Color Number 37925
 Paint color for Doors and frames: Color Number 36170
 Color for Interior Vinyl Composite Tile: Color Number 26380
 Color for Interior Rubber Base: Color Number 26380
 A sample of these colors shall be provided by the RE at the job site.

3 MATERIAL / FINISH / COLOR SCHEDULE



2 DOOR TYPES

1/2" = 1'-0"



NOTE:
1. All operable windows shall have insect screens

4 WINDOW TYPES

1/2" = 1'-0"

- NOTES:
- Latching and locking doors that are hand activated and which are in a path of travel, shall be operable with a single effort by lever type hardware designed to provide passage without requiring the ability to grasp the opening hardware 1008.1.8.1.
 - Maximum effort to operate doors shall not exceed the following:
 A. Interior Doors - 5 pounds;
 B. Exterior Doors - 5 pounds;
 per IBU Sec. 1008.1.3.
 - All hardware shall meet accessible requirements.
 - Provide vinyl reducer strip under door for all locations where different flooring material meet.
 - Exit doors shall be openable from the inside without use of a key or any special knowledge or effort IBC 1008.1.1.
 - Width and height of required exit doorways to comply with IBC 1008.1.1. Keying shall be coordinated by the contractor to the owner's specifications for master key system.
 - Per CBC 1133.B.8.6.1, when hinged windows are kept in open position, the outward projections of windows from wall shall be limited to 4 inches max. into the adjacent POT.

DESIGN	BY Rachel Hu	CHECKED Mark A. Peterson
DETAILS	BY Rachel Hu	CHECKED Mark A. Peterson
QUANTITIES	BY Rachel Hu	CHECKED Mark A. Peterson

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
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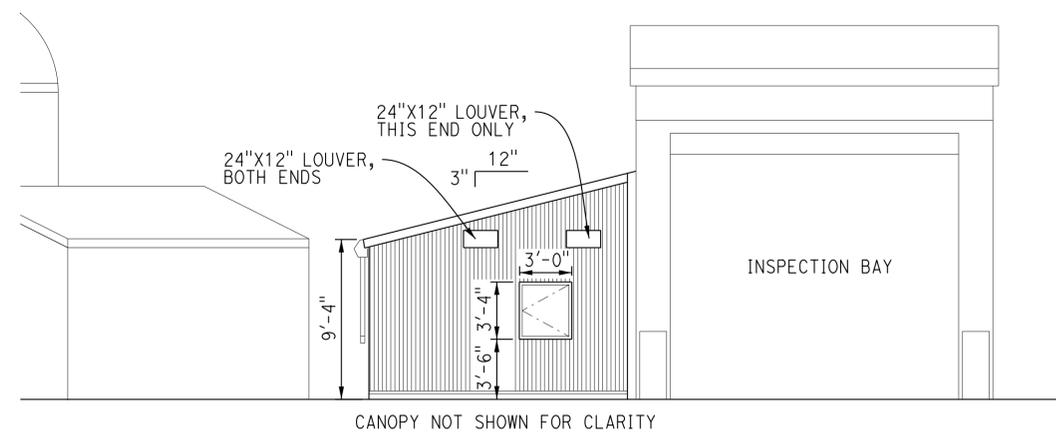
BRIDGE NO.	48M5710
POST MILE	51.53

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY SCHEDULES

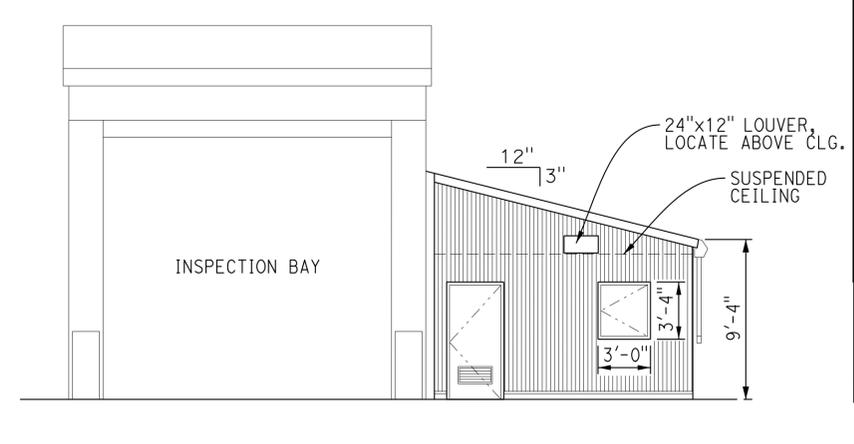
SHEET	A-07
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	16	59

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1 EXTERIOR EAST ELEVATION
3/16" = 1'-0"



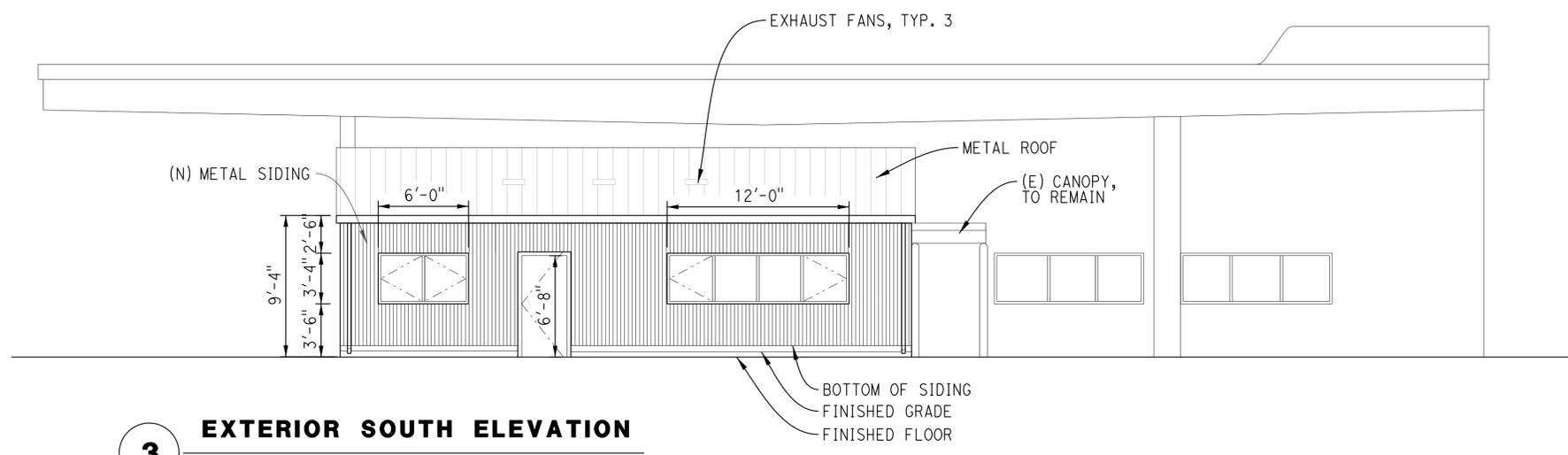
2 EXTERIOR WEST ELEVATION
3/16" = 1'-0"

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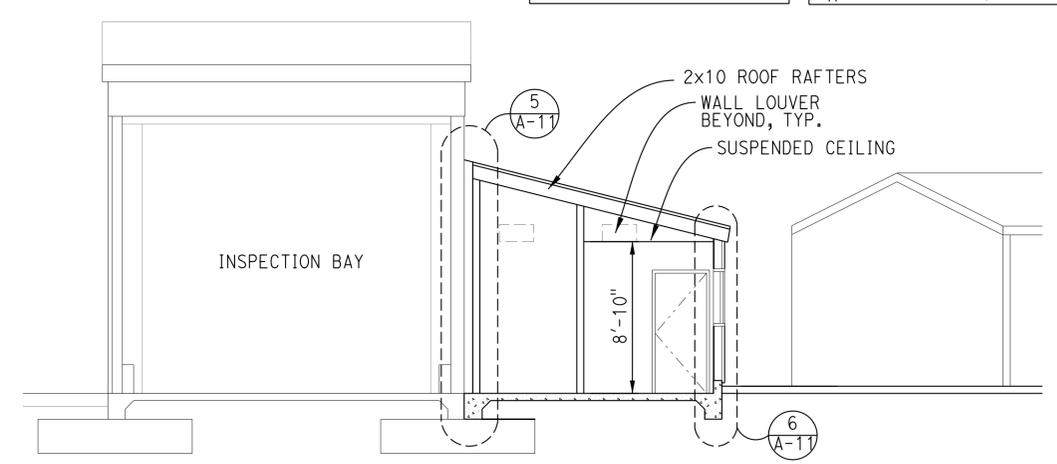
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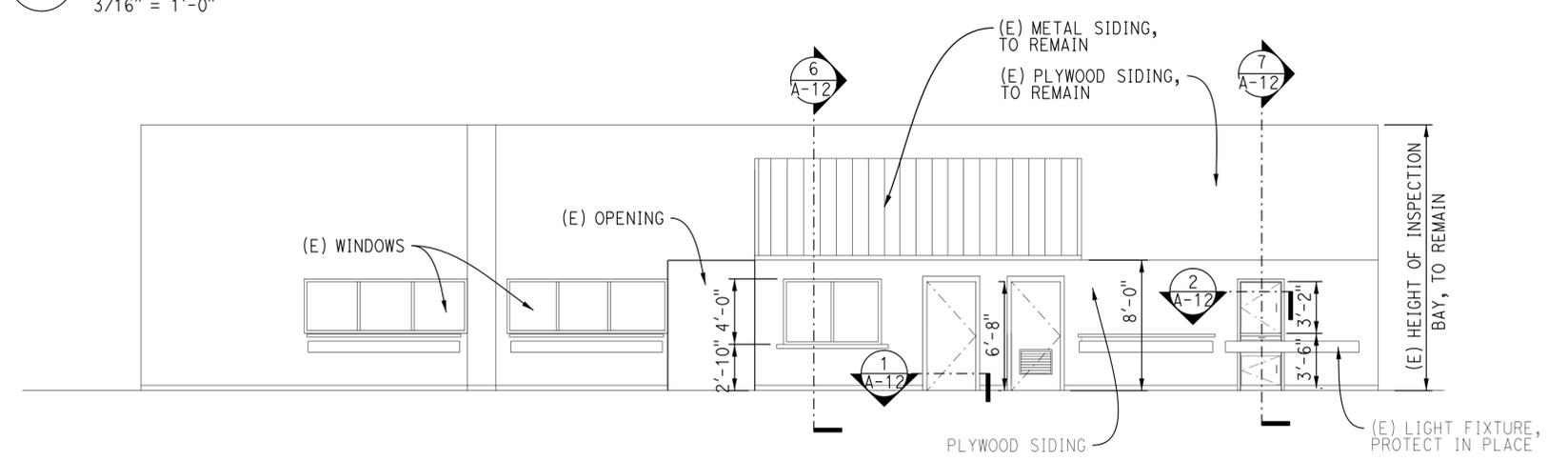
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3 EXTERIOR SOUTH ELEVATION
3/16" = 1'-0"



4 BUILDING SECTION
3/16" = 1'-0"



5 INSPECTION BAY INTERIOR SOUTH WALL ELEVATION
3/16" = 1'-0"

NOTE:
1. Provide new double studs at new openings, see structural drawings for details.

NOTES:
1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

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	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson		UNIT PROJECT NUMBER & PHASE 3584 11000002771	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF	

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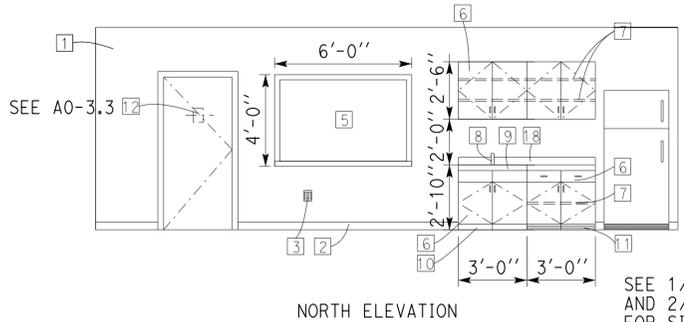

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 DATE 01-04-13

 LICENSED ARCHITECT

12-09-13
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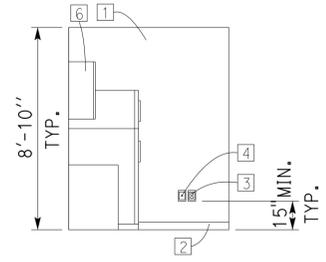

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1100000277 Reviewed by:  Date: 4-9-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final 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: 4-7-13
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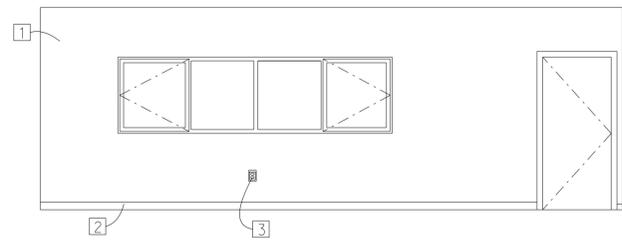


NORTH ELEVATION

SEE 1/A-14 AND 2/A-14 FOR SINK AND CABINET WALL SECTION

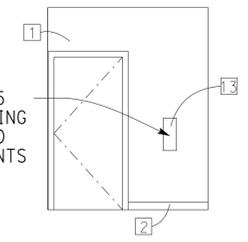


EAST ELEVATION



SOUTH ELEVATION

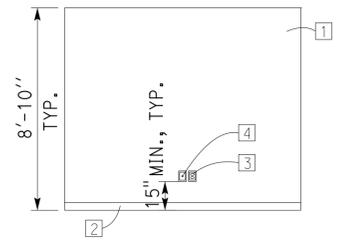
SEE A0-3.5 FOR MOUNTING HEIGHT AND REQUIREMENTS



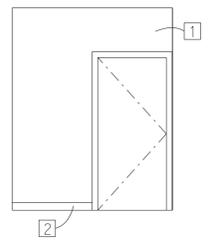
WEST ELEVATION

1 BRIEFING ROOM

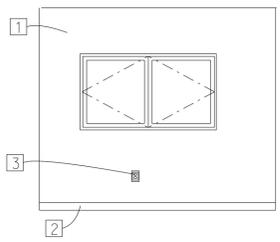
1/4" = 1'-0"



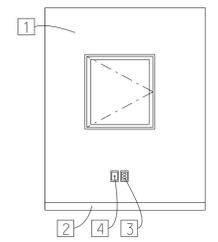
NORTH ELEVATION



EAST ELEVATION



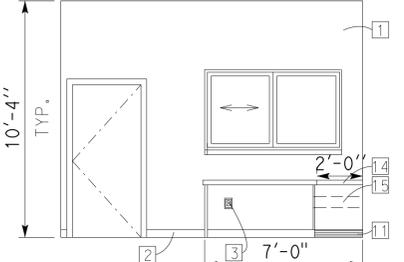
SOUTH ELEVATION



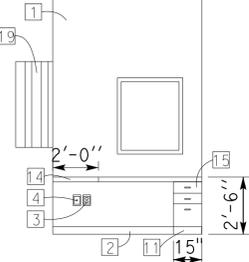
WEST ELEVATION

2 OFFICE

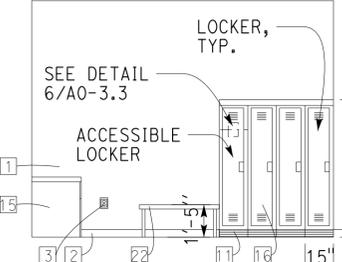
1/4" = 1'-0"



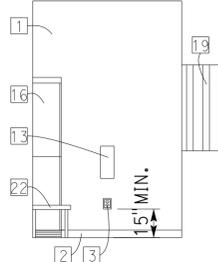
NORTH ELEVATION



EAST ELEVATION



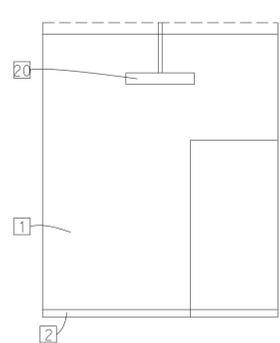
SOUTH ELEVATION



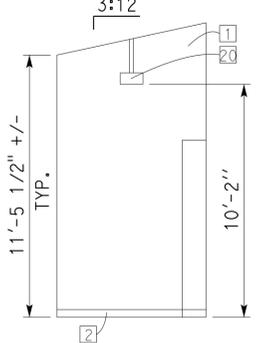
WEST ELEVATION

3 CVIS/LOCKER ROOM

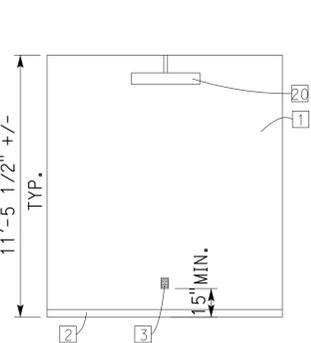
1/4" = 1'-0"



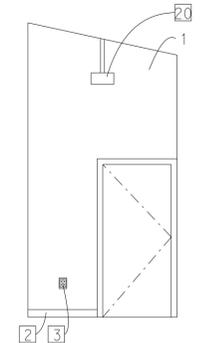
NORTH ELEVATION



EAST ELEVATION



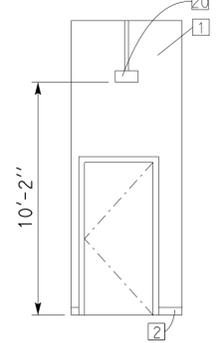
SOUTH ELEVATION



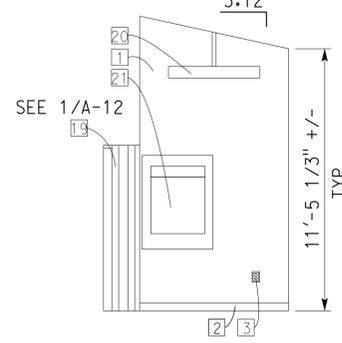
WEST ELEVATION

4 STORAGE ROOM

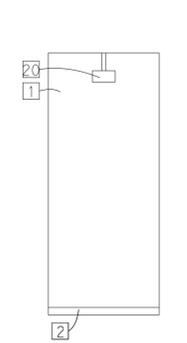
1/4" = 1'-0"



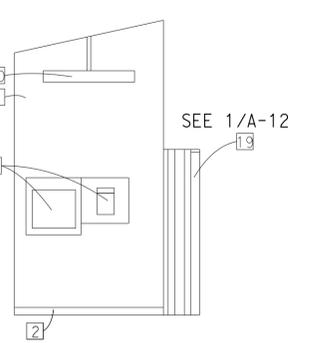
NORTH ELEVATION



EAST ELEVATION



SOUTH ELEVATION



WEST ELEVATION

5 ELECTRICAL ROOM

1/4" = 1'-0"

- LEGEND:**
- 5/8" Type X, gypsum board
 - 4" rubber base
 - Electrical receptacle outlet
 - Data receptacle outlet
 - Marker board
 - Plastic laminate cabinets
 - Adjustable shelving
 - Single compartment sink with garbage disposer
 - Plastic laminate countertop
 - Barrier-free accessible base cabinet with integral toe kick
 - 4" high toe kick
 - Door sign
 - Fire extinguisher
 - Desk
 - Lockable drawers
 - Lockers
 - Porcelain tile
 - 4" backs splash
 - Expansion joint cover, at opening
 - light fixture, see electrical plans
 - (E) electrical panels/equipment, to remain
 - 42"x20" accessible locker bench

NOTES:

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

A-09.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY INTERIOR ELEVATIONS	SHEET A-09
	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson		PROJECT NUMBER & PHASE 11000002771	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT PROJECT NUMBER & PHASE 11000002771			DISREGARD PRINTS BEARING EARLIER REVISION DATES	
0 1 2 3			3584			08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13	
EA 11-275601			611-275601			A-09.DGN	

27-JAN-2014 13:55

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	18	59

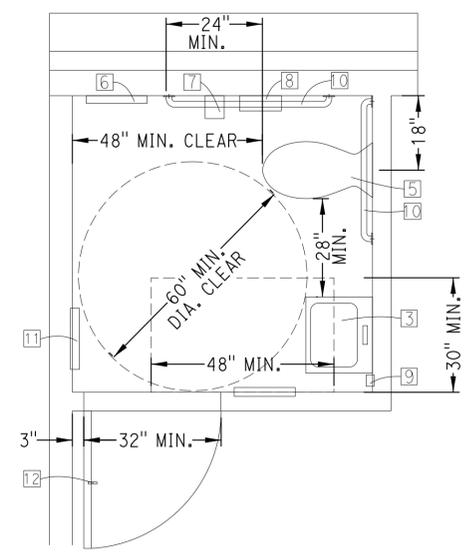
01-04-13 DATE
 LICENSED ARCHITECT
 Mark Peterson
 No. C 25229
 Exp. 05-31-15
 STATE OF CALIFORNIA

12-09-13
 PLANS APPROVAL DATE
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 LOS ANGELES, CA. 90017-2577

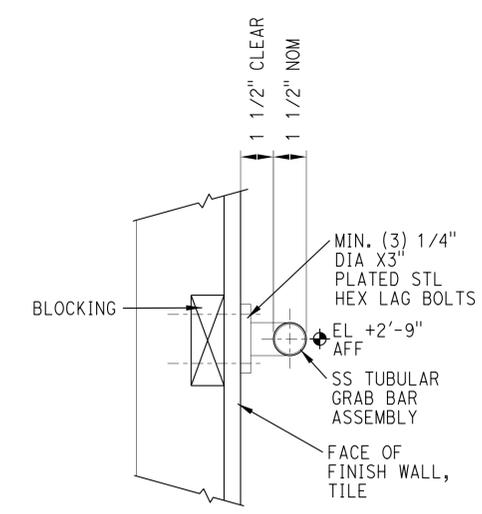
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 1100000277
 Reviewed by: [Signature]
 Date: 4-9-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: [Signature]
 Approval date: 4-7-13

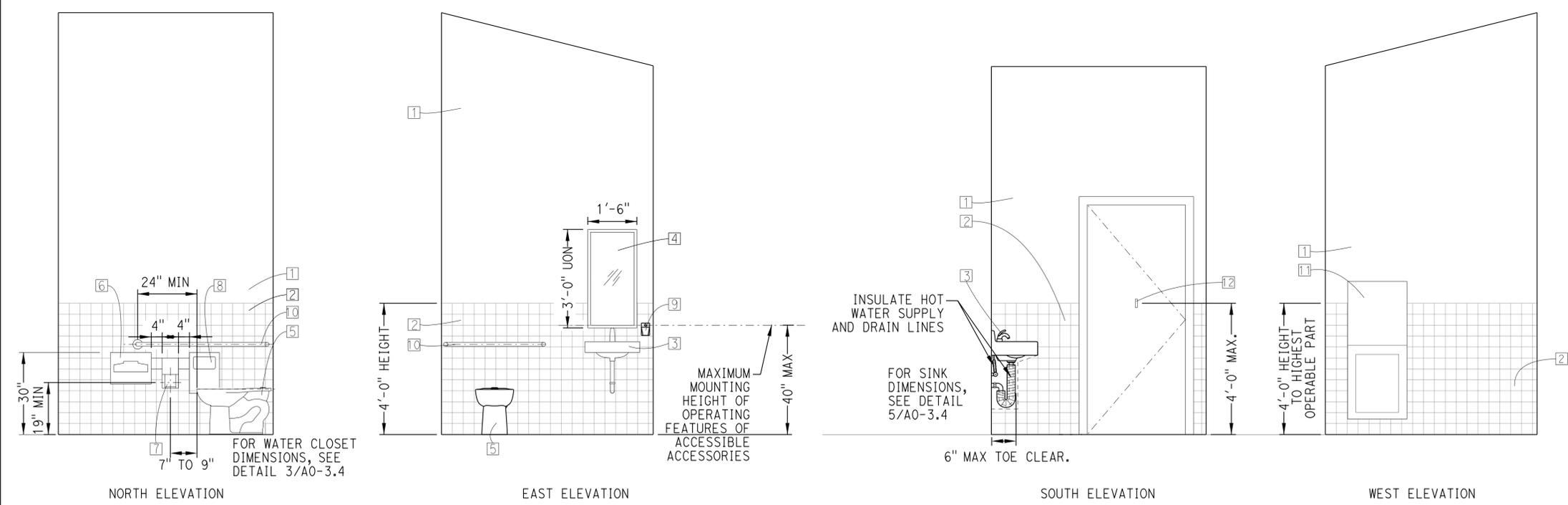


1 ENLARGED RESTROOM PLAN
 1/2" = 1'-0"

2 NOT USED
 NO SCALE



3 GRAB BAR ATTACHMENT
 NO SCALE



4 UNISEX RESTROOM
 1/2" = 1'-0"

- KEYED NOTE LEGEND:**
- 5/8" Type X, gypsum board
 - 4x4 porcelain tile
 - Sink
 - Wall hung mirror
 - Floor mounted water closet
 - Seat cover dispenser
 - Toilet tissue dispenser
 - Sanitary napkin disposal
 - Soap dispenser
 - Grab bar
 - Combination paper towel and waste receptacle
 - Clothing hook, mounted on door

- NOTES:**
- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
 - See sheets A0-3.1 - A0.3.5 for accessibility requirements.

A-10.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY ADA RESTROOM DETAILS	SHEET A-10	
	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson		PROJECT NUMBER & PHASE 11000002771	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY)	OF
	QUANTITIES BY Rachel Hu	CHECKED Mark A. Peterson		UNIT 3584	DISREGARD PRINTS BEARING EARLIER REVISION DATES		08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13	

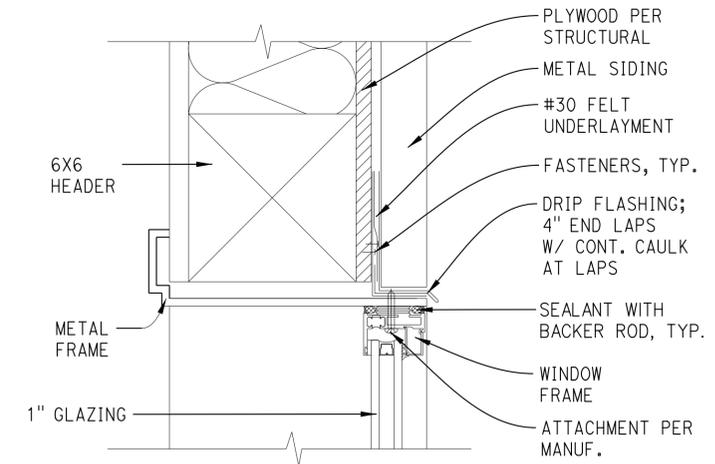
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 EA 11-275601

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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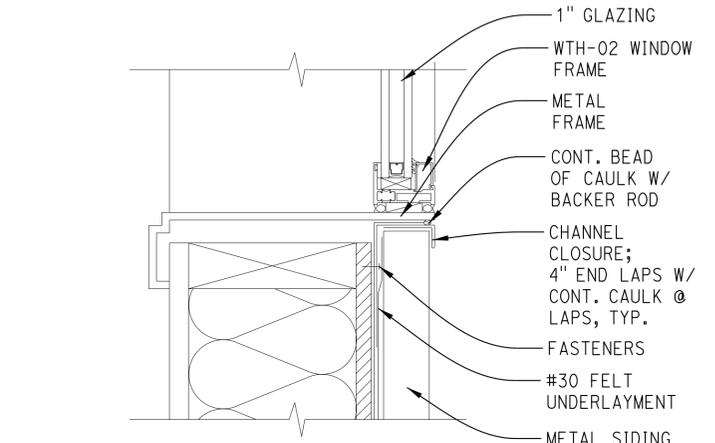
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1100000277 Reviewed by: <i>[Signature]</i> Date: 4-9-13		01-04-13 DATE LICENSED ARCHITECT Mark Peterson No. C 25229 Exp. 05-31-15 STATE OF CALIFORNIA
CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> Approval date: 4-7-13		

12-09-13
PLANS APPROVAL DATE
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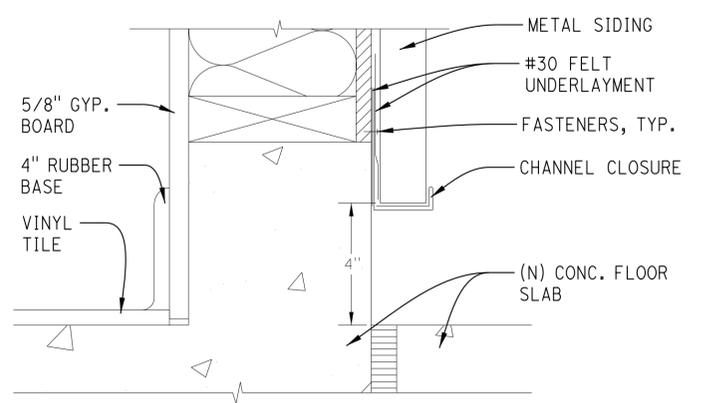
STV Incorporated ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS 1055 WEST 7th STREET., SUITE 3150 LOS ANGELES, CA. 90017-2577
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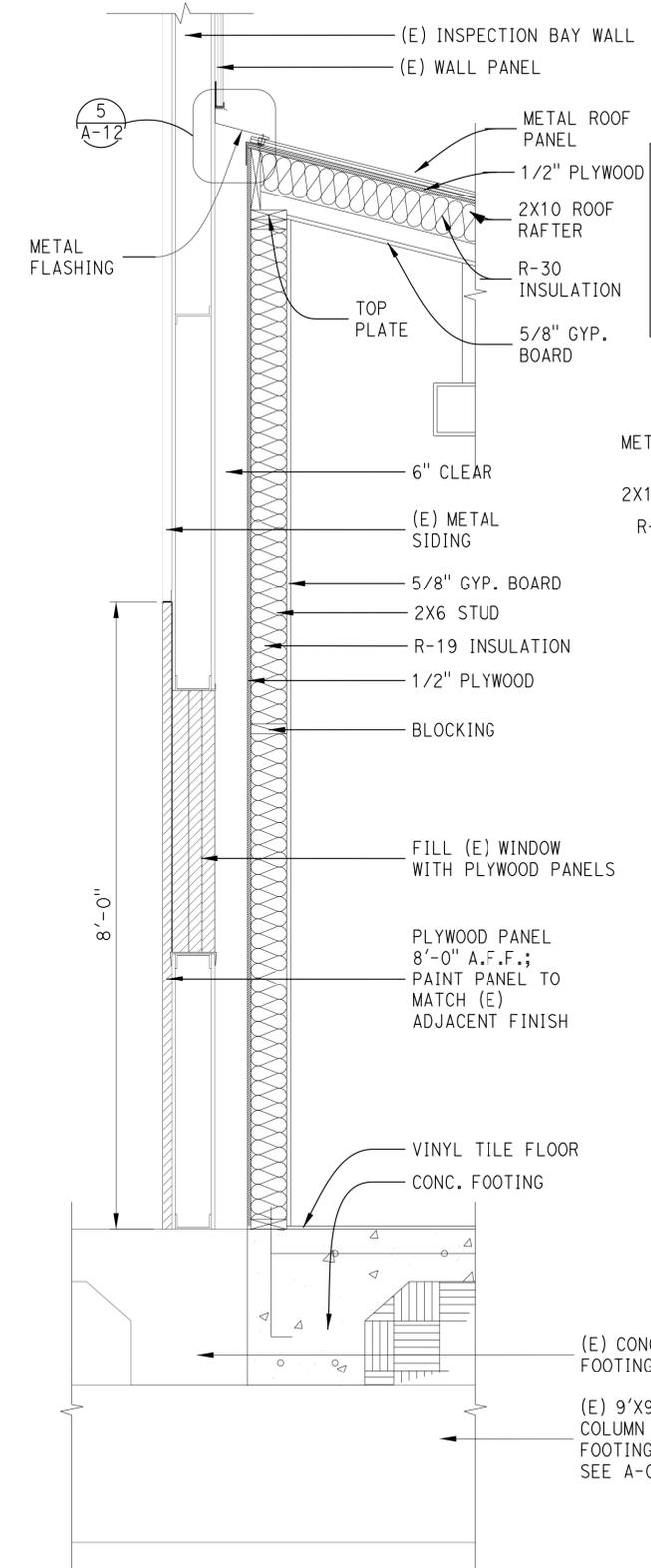
2 WINDOW HEADER DETAIL
1" = 0'-3"



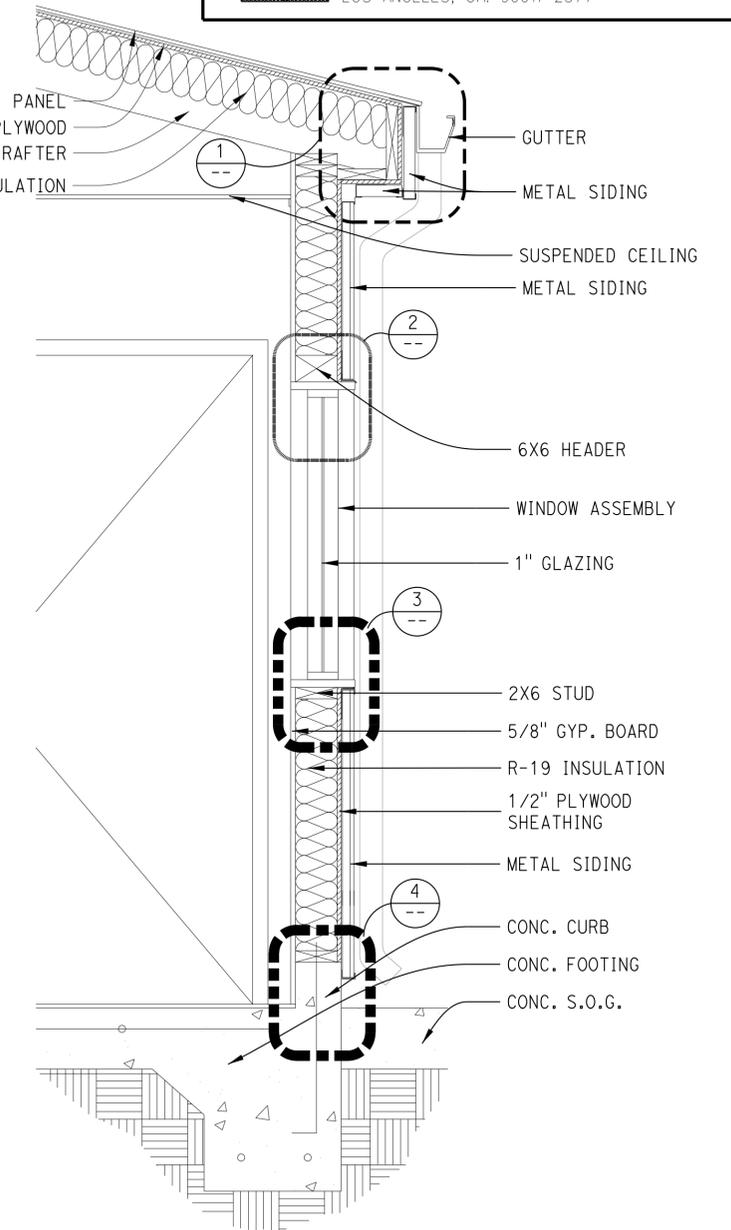
3 WINDOW SILL DETAIL
1" = 0'-3"



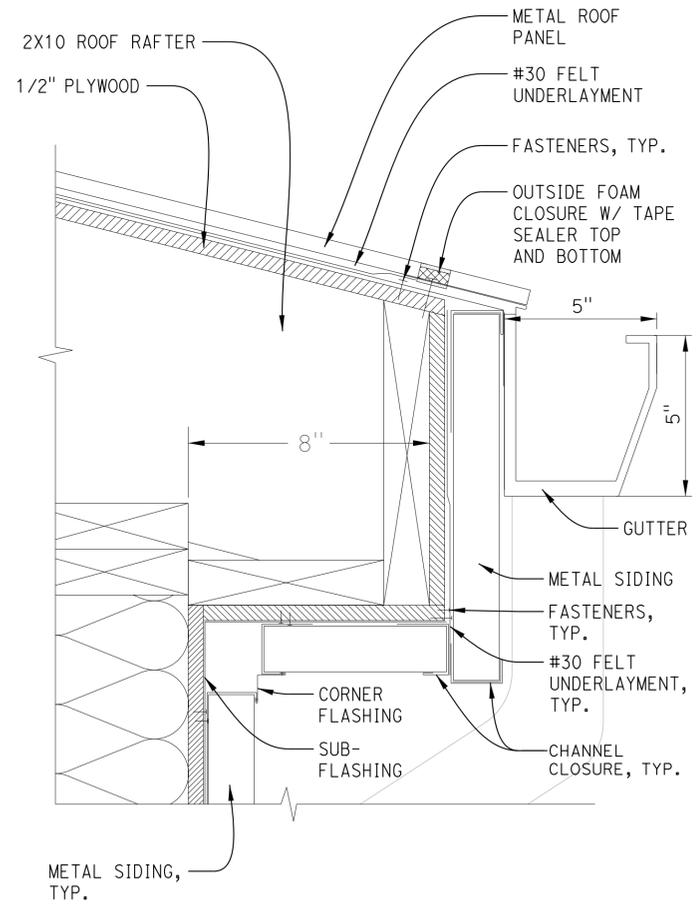
4 CONCRETE CURB DETAIL
1" = 0'-3"



5 NORTH WALL SECTION
1" = 1'-2"

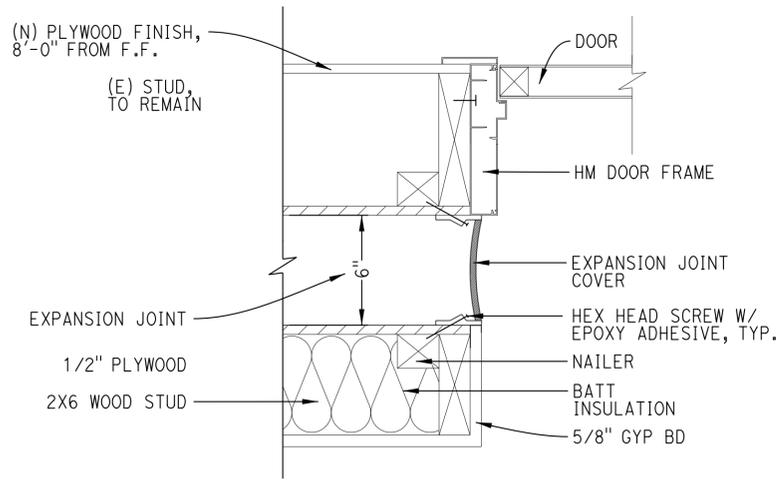


6 SOUTH WALL SECTION
1" = 1'-0"

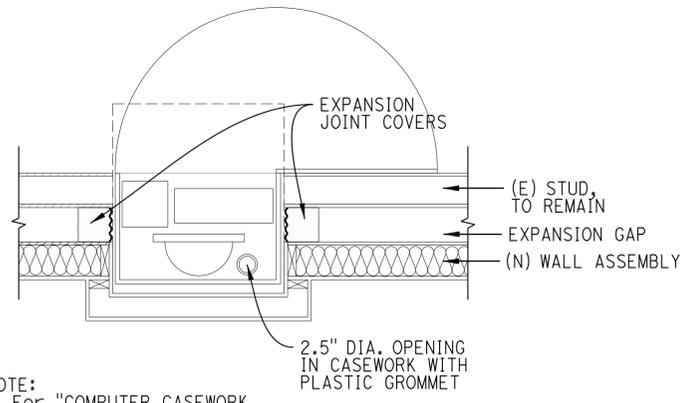


1 ROOF EAVE DETAIL
1" = 0'-3"

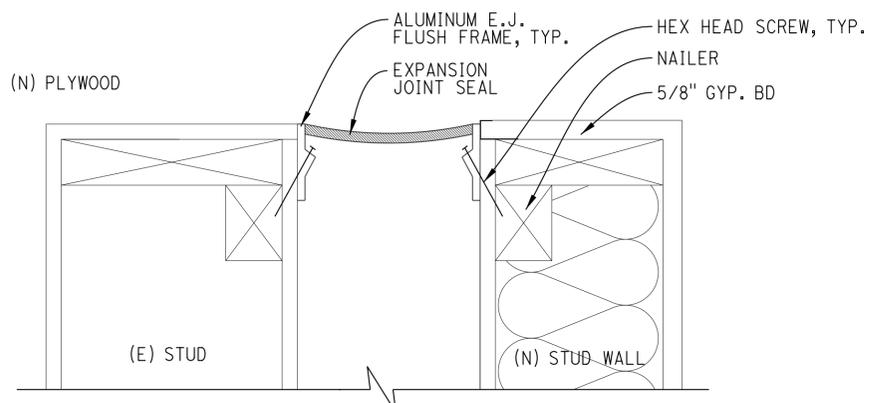
DESIGN BY Rachel Hu CHECKED Mark A. Peterson DETAILS BY Rachel Hu CHECKED Mark A. Peterson QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY DETAILS	SHEET A-11
			POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE 3584 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF	



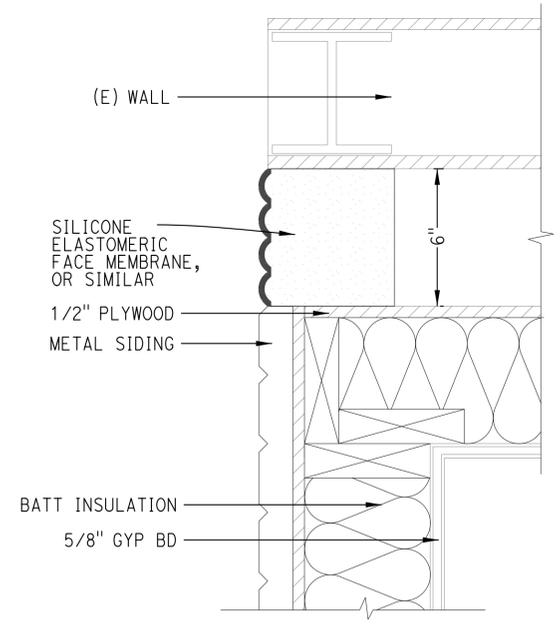
1 EXPANSION JOINT INTERIOR DOOR JAMB DETAIL
1" = 0'-5"



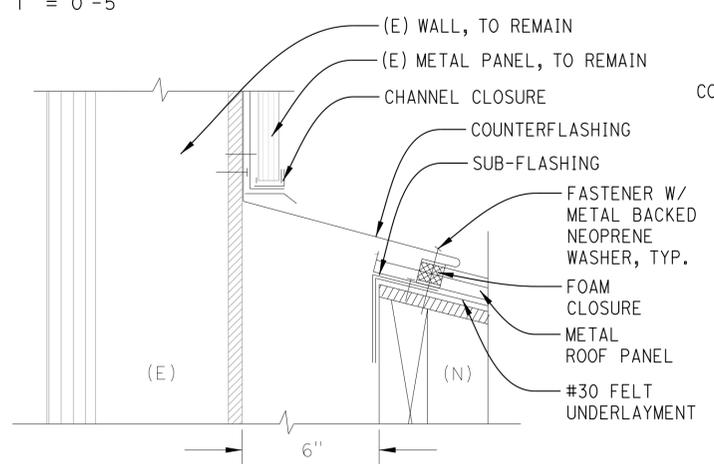
2 COMPUTER CABINET DETAIL
3/4" = 1'-0"
NOTE:
1. For "COMPUTER CASEWORK SECTION," see 7/A-12



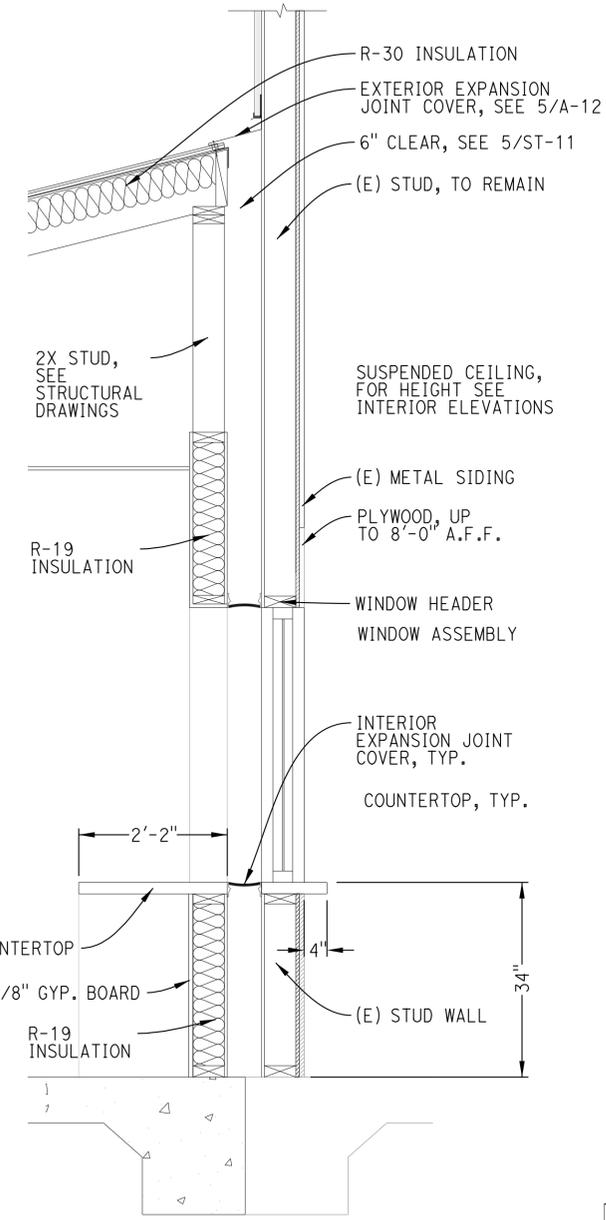
3 EXPANSION JOINT INTERIOR COVER DETAIL
1" = 0'-5"



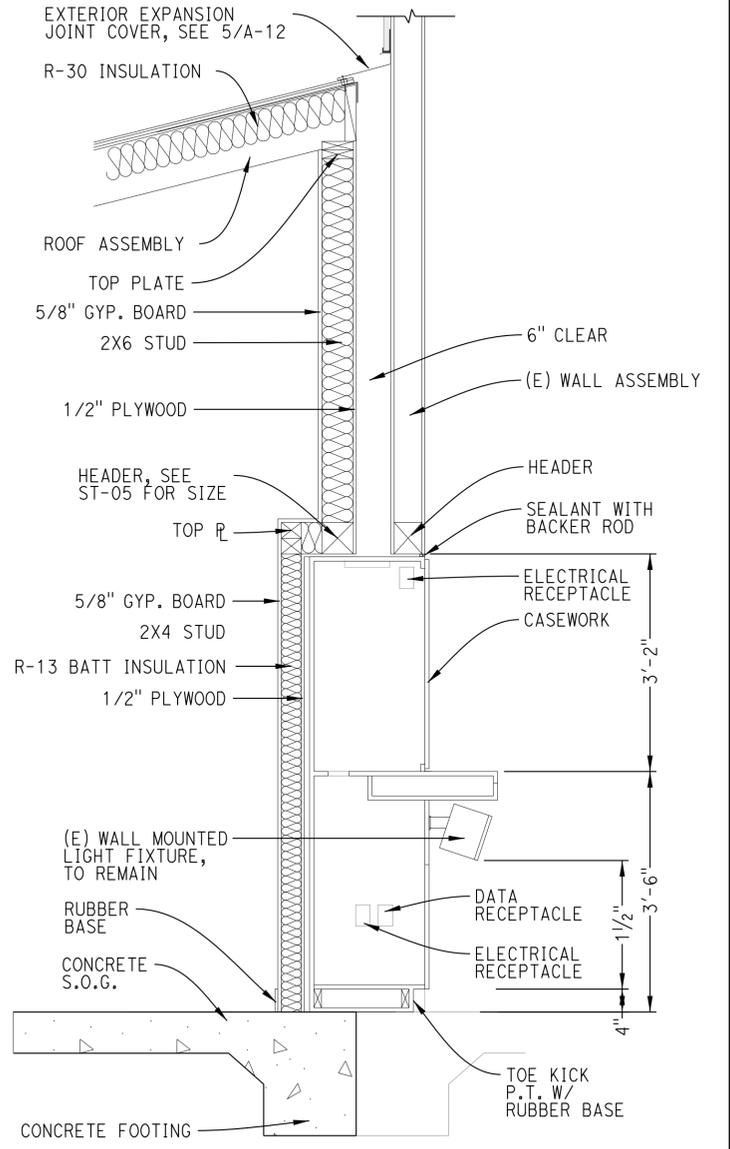
4 EXPANSION JOINT EXTERIOR COVER DETAIL
1" = 0'-5"



5 EXPANSION JOINT EXTERIOR ROOF DETAIL
1" = 0'-5"



6 CVIS WALL SECTION
3/4" = 1'-0"



7 COMPUTER CASEWORK SECTION
3/4" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID
1100000277
Reviewed by: *[Signature]*
Date: 4-9-13

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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Reviewed by: *[Signature]*
Approval date: 4-7-13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	20	59

12-09-13
PLANS APPROVAL DATE
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LOS ANGELES, CA. 90017-2577

LICENSED ARCHITECT
Mark Peterson
No. C 25229
Exp. 05-31-15
STATE OF CALIFORNIA

A-12.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY DETAILS	SHEET A-12	
	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson		PROJECT NUMBER & PHASE 11000002771	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY)	OF
	QUANTITIES BY Rachel Hu	CHECKED Mark A. Peterson		UNIT 3584	DISREGARD PRINTS BEARING EARLIER REVISION DATES		08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3
EA 11-275601

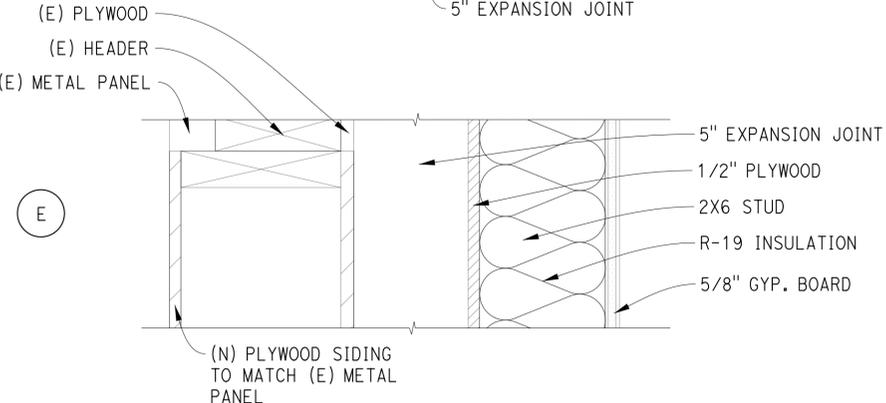
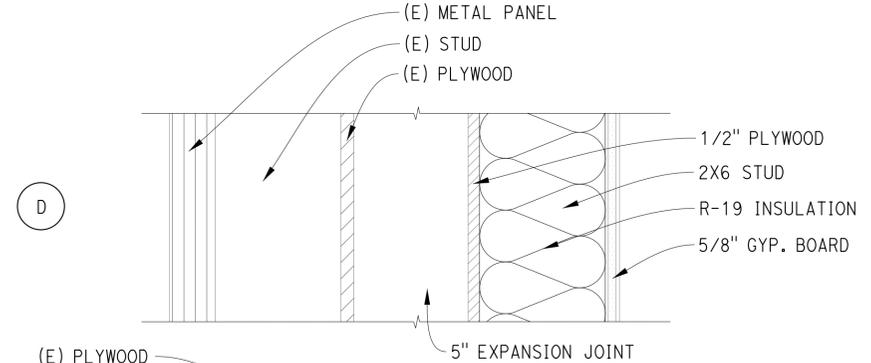
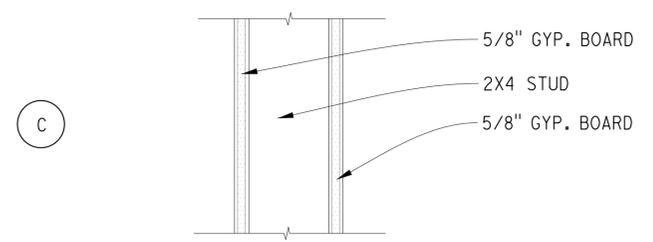
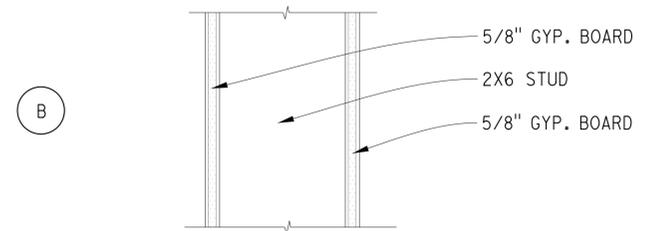
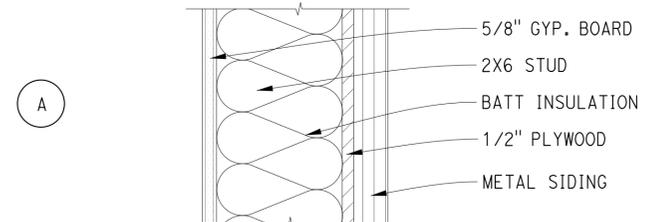
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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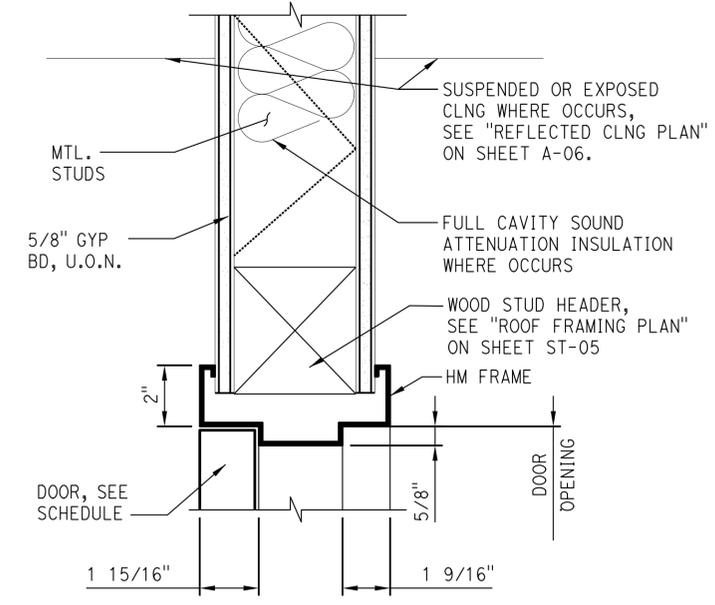
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LOS ANGELES, CA. 90017-2577

ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA
PROJECT ID: **1100000277**
Reviewed by: *[Signature]*
Date: 4-9-13

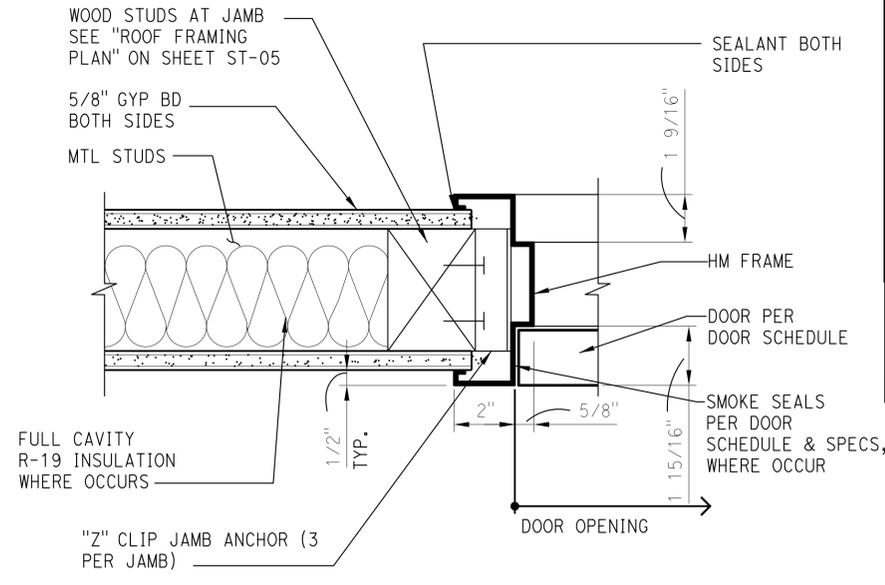
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1 WALL TYPES
3" = 1'-0"

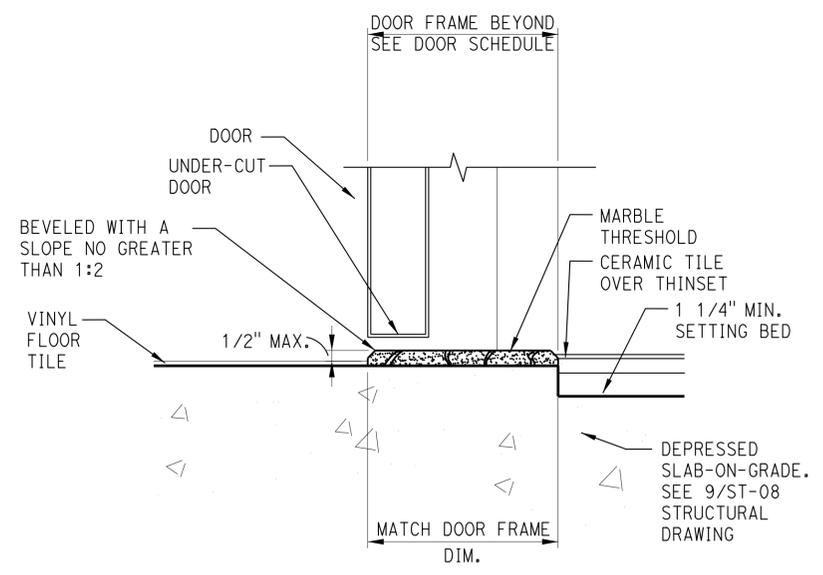


2 TYP. PARTITION DOOR HEAD
NO SCALE

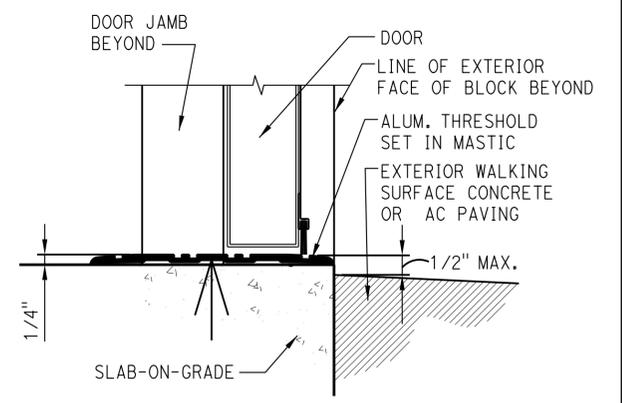


3 TYP. PARTITION DOOR JAMB
NO SCALE

4 NOT USED
NO SCALE



5 THRESHOLD AT RESTROOM
NO SCALE



6 EXIT THRESHOLD
NO SCALE

A-13.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY DETAILS	SHEET OF
	DETAILS BY Rachel Hu CHECKED Mark A. Peterson		PROJECT NUMBER & PHASE 3584 11000002771	REVISION DATES (PRELIMINARY STAGE ONLY)		A-13
	QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson		UNIT 3584 PROJECT NUMBER & PHASE 11000002771	08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF	

27-JAN-2014 13:55

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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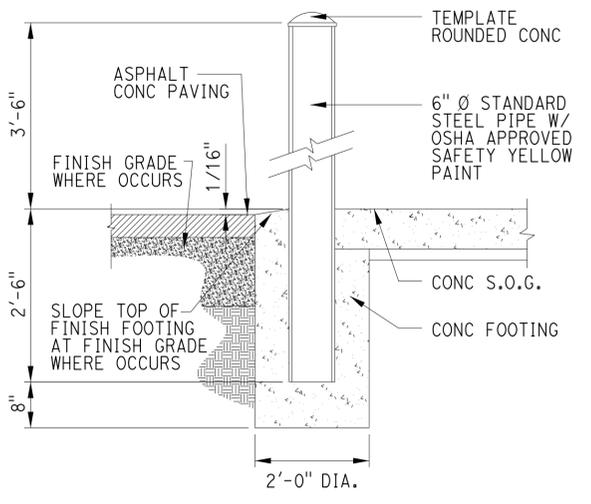
01-04-13 DATE
 LICENSED ARCHITECT
 LICENSED ARCHITECT
 12-09-13 PLANS APPROVAL DATE
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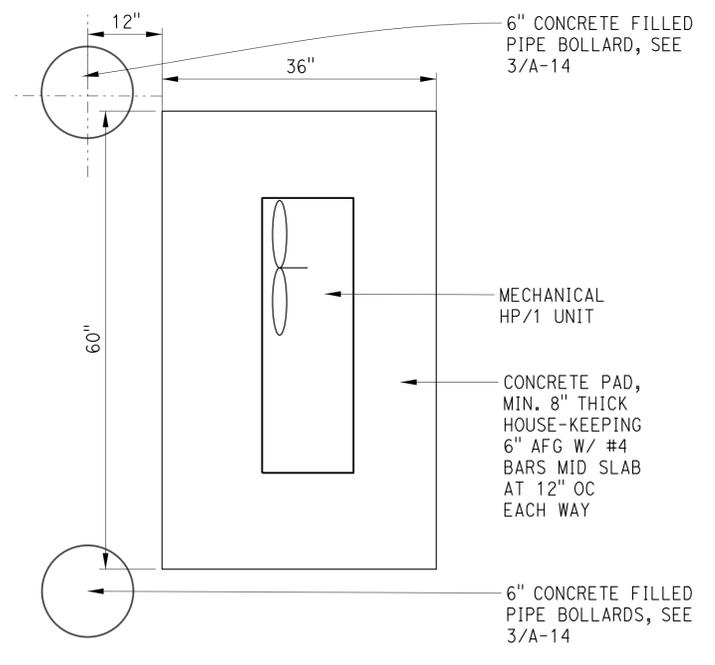
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ACCESSIBILITY DESIGN APPROVAL STAMP
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 PROJECT ID: **1100000277**
 Reviewed by: [Signature]
 Date: 4-9-13

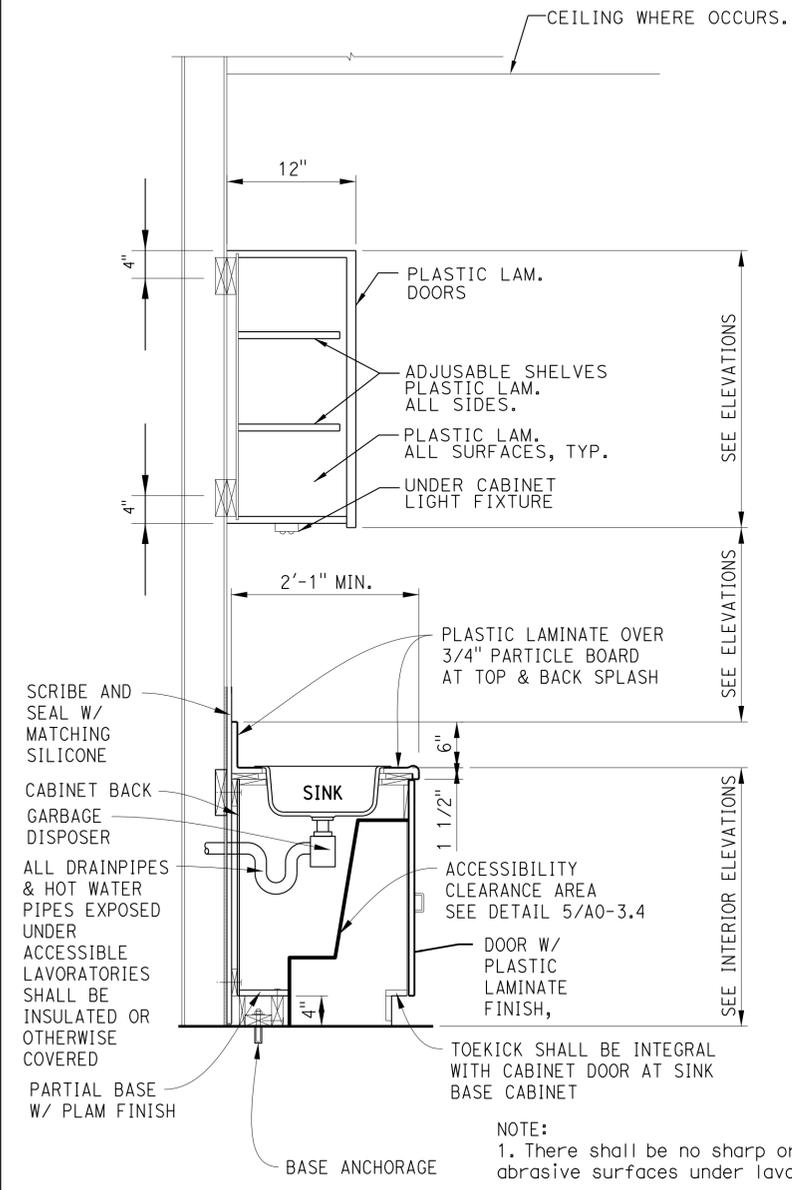
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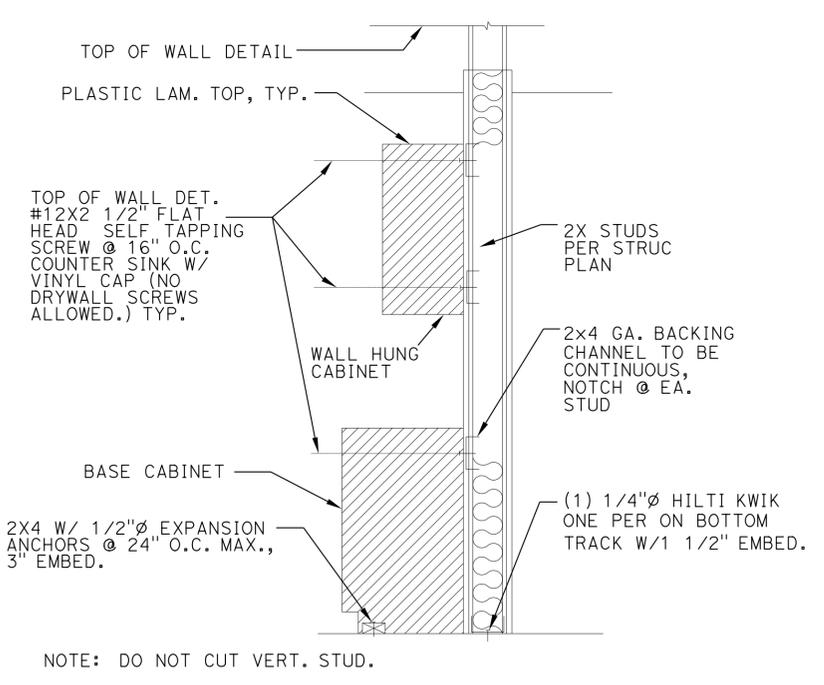
3 BOLLARD DETAIL
 3/4" = 1'-0"



4 HP-1 UNIT ENCLOSURE
 1" = 1'-0"



1 CABINET DETAIL WITH SINK
 NO SCALE



2 TYP. STUD WALL W/ CABINETRY
 NO SCALE

A-14.DGN TAEMW imperial Rev. 7/10 27-JAN-2014 13:55	DESIGN BY Rachel Hu CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY DETAILS	SHEET OF
	DETAILS BY Rachel Hu CHECKED Mark A. Peterson		UNIT PROJECT NUMBER & PHASE 3584 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
QUANTITIES BY Rachel Hu CHECKED Mark A. Peterson		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13		SHEET OF	

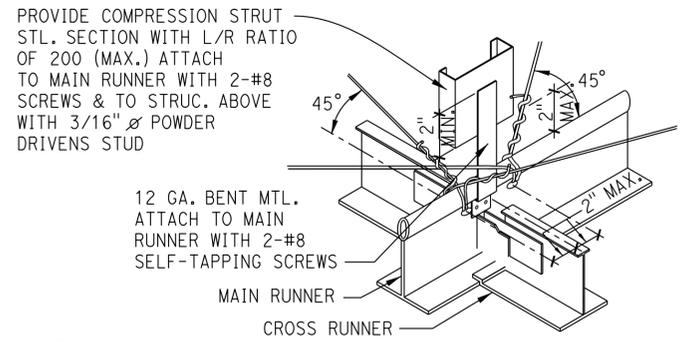
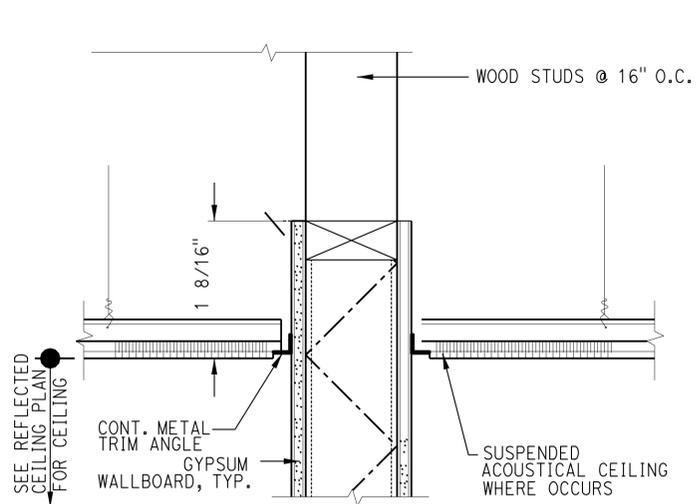
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	23	59


 LICENSED ARCHITECT
 DATE 01-04-13


12-09-13
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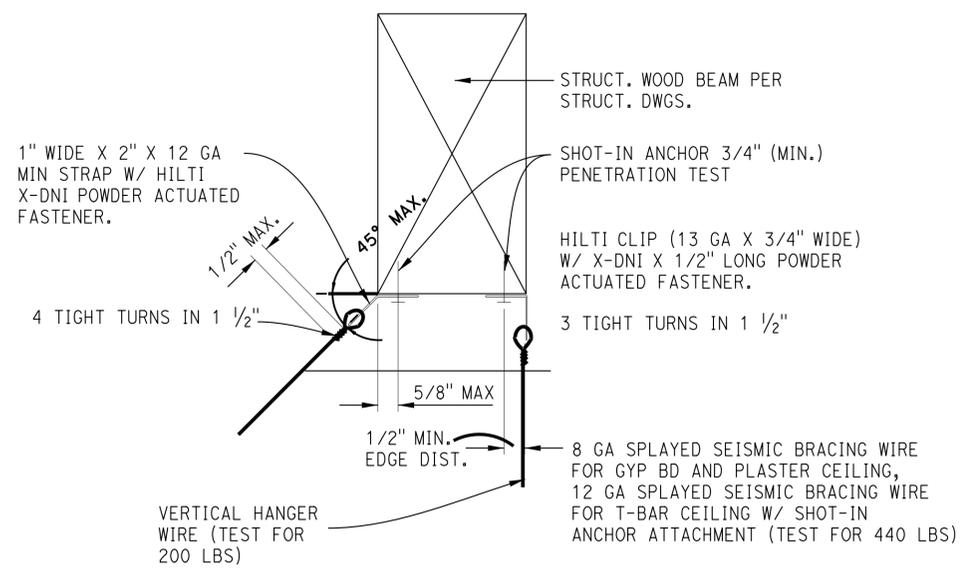
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 1100000277 Reviewed by:  Date: 4-9-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  Approval date: 4-7-13
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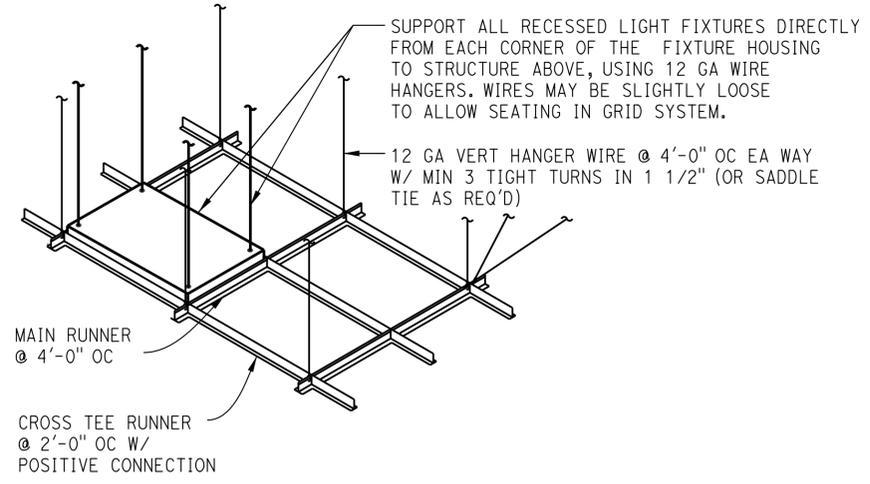
- NOTES:
- #12 GA. SPLAY WIRE BRACING IN PLACE OF EACH RUNNER VERTICAL ANGLE- 45 DEGREES AT EVERY 144 SF OF SUSPENDED ACOUSTICAL CEILING. PERIMETER END BRACING STARTS 4'-0" FROM WALL AND 12'-0" O.C. INTO ROOMS.
 - PROVIDE UNISTRUT HORIZONTAL MEMBERS TO SUPPORT SPLAY WIRES WHENEVER THERE IS A CONFLICT WITH DUCT LOCATION AND/OR FLEXIBLE PIPING.
 - POWDER DRIVEN FASTNERS:
HILTI DNI27P9 PINS OR EQUAL (ICBO NO. 2388)

1 TYP. PARTITION AT CEILING PANEL
1/2" = 1'-0"

2 SEISMIC BRACING AT TEE BAR
1/2" = 1'-0"



3 WIRE CONNECTIONS TO BEAM
1/2" = 1'-0"



4 RECESSED LIGHT FIXTURE AT CEILING
NO SCALE

NOTES:

- All ceilings shall use a heavy duty T-bar grid system.
- The width of the perimeter supporting closure angle shall be not less than 2 inches.
- In each orthogonal horizontal direction, one end of the ceiling grid shall be attached to the closure angle.
- The other end in each horizontal direction shall have a 3/4" clearance from the wall and shall rest upon and be free to slide on a closure angle or a listed assembly.
- Ceiling areas over 1,000 square feet must have horizontal restraint wires (typical restraint would consist of four 12 gauge wires splayed 90 degrees to each other and sloped 45 degrees to the horizontal, spaced 12" oc)
- Ceilings without rigid bracing must have 2" oversize trim rings for sprinklers and other ceiling penetrations.

A-15.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:56	DESIGN BY Rachel Hu	CHECKED Mark A. Peterson	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY CEILING DETAILS	SHEET A-15
	DETAILS BY Rachel Hu	CHECKED Mark A. Peterson		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		OF
	QUANTITIES BY Rachel Hu	CHECKED Mark A. Peterson	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3584 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13 06-26-13 07-16-13	
EA 11-275601							

STRUCTURAL GENERAL NOTES

- The contractor shall verify all dimensions prior to starting construction. The architect shall be notified of any discrepancies or inconsistencies.
- All work shall conform to the minimum standards of the following codes: 2010 California Building Code and Title 24 C.C.R. and latest revisions referred to here as "the code", and any other regulating agencies which have authority over any portion of the work, including the State of California Division of Industrial Safety, and those codes & standards listed in these notes and specifications.
- The contractor shall verify all existing conditions and dimensions prior to starting construction. The architect shall be notified of any discrepancies or inconsistencies.
- All plans and specifications are considered to be a part of the contract documents. The contractor shall be responsible for the review and coordination of all plans and specifications prior to the start of construction. Any discrepancies that occur shall be brought to the attention of the architect prior to start of construction so that a clarification can be issued. Any work performed in conflict with the contract documents or any code requirements shall be corrected by the contractor at their own expense and at no expense to the owner or architect.
- Notes and details on plans shall take precedence over general notes and typical details. Where no details are given, construction shall be as shown for similar work. Details and schedules indicated as "typical" may not be specifically referenced on plans. Determine where each typical detail or schedule applies before proceeding with work. If conditions are found which are not specifically detailed and no typical detail or schedule applies, promptly notify architect and structural engineer.
- The contract structural plans and specifications represent the finished structure. They do not indicate the method of construction. The contractor shall provide all measures necessary to protect the structure and its occupants during construction. Such measures shall include, but not be limited to, bracing, shoring for loads due to construction equipment, the installation of barriers to minimize excessive noise, etc. Observation visits to the site by the structural engineer shall not include inspection of the above items.
- Pipes shall not be embedded in structural concrete except where specifically approved.
- Brace piping and ducts complying with latest edition of "guidelines for seismic restraints of mechanical systems" by the sheet metal and air conditioning contractors national association.
- ASTM specifications on the plans shall be of the latest revision.
- Shop Plans:
 - Review and stamp shop plans prior to submission to architect (structural engineer). Review for completeness and compliance with contract documents.
 - Submit shop plans to architect (structural engineer) as indicated or specified for review and acceptance prior to fabrication. Review will be for general conformance with design intent conveyed in contract documents.
 - Shop plans are not a part of contract documents. Therefore, architect's (structural engineer's) review does not constitute an authorization to deviate from terms and conditions of the contract.
 - Shop plans will be rejected for incompleteness, lack of coordination with other portions of contract documents, lack of calculations (if required), or where modifications or substitutions are indicated without prior review per paragraph above.
 - Submit shop plans and calculations to governing code authority when specifically indicated or requested.
 - Maintain a copy of all shop plans accepted by architect (structural engineer) at site during construction period.
- Construction material shall be spread out if placed on framed roof or floor. load shall not exceed the design live load per square foot. Provide adequate shoring and/or bracing where structure has not attained design strength.
- See architectural plans for the following:
 - Size and location of all new door and window openings, except as noted.
 - Size and location of all new interior and exterior non-bearing partitions.
 - Size and location of all new concrete curbs, equipment pads, pits, floor drains, slopes, depressed areas, change in level, chamfers, grooves, inserts, etc.
 - Size and location of all new floor and roof openings except as shown.
 - New floor and roof finishes. Dimensions not shown on structural plans.
- See mechanical, plumbing and electrical plans for the following:
 - New pipe runs, sleeves, hangers, trenches, wall and slab openings, etc., except as shown or noted.
 - New electrical conduit runs, boxes, outlets in walls and slabs.
 - New concrete inserts for electrical, mechanical or plumbing fixtures.
 - Size and location of new machine or new equipment bases, anchor bolts for motor mounts.

GENERAL NOTES (CONT.)

14.Design Loads:

A. Live Loads:

AREA	DESIGN LIVE LOAD	
Office	50 PSF	Reducible
Roof	20 PSF	Reducible

15.Seismic analysis per Chapter 16, Division IV of the 2010 California Building Code - Volume 2, utilizing the static lateral force analysis.

Design parameters for seismic of one story building:

I	= 1.0	S1	= .729 g	Sm1	= 1.094 g
R	= 6.5	Fa	= 1.0	SDS	= 1.301 g
SITE CLASS	= D	Fv	= 1.5	SD1	= .729 g
Ss	= 1.95 g	Sms	= 1.952 g		

16.Wind Loads:

- Basic Wind Speed = 85 mph, I = 1.0
- Exposure C - Projected Area Method.
- Based on structures less than 60 feet in height.
- Multiply by appropriate coefficients before using for specific design situations(see CBC Section 1609).

17.PROPRIETARY PRODUCTS, WHERE INDICATED, ARE REFERENCED TO SUBSTANTIATE THE BASIS OF DESIGN ONLY. FOR ANY SUCH REFERENCE "OR APPROVED EQUAL" SHALL APPLY.

STRUCTURAL OBSERVATION

- Structural observation is required for the structural system in accordance with city codes. Structural observation is the visual observation of the elements and connections of the structural system at significant construction stages and the completed structure for general conformance to the approved plans and specifications. Structural observation does not waive the responsibility for the inspections required of the building inspector or the deputy inspector.
- The owner shall employ a civil or structural engineer or architect to perform the structural observation. The engineer or architect shall be registered or licensed in the State of California.
- The structural observer shall provide evidence of employment by the owner. a letter from the owner or a copy of the agreement for services shall be sent to the building inspector before the first site visit. The structural observer shall also inform the owner of the requirements for a preconstruction meeting and shall preside over this meeting.
- The owner or owner's representative shall coordinate and call for a meeting between the engineer or architect responsible for the structural design, structural observer, contractor, affected subcontractors and deputy inspectors. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the first observation report submitted to the building inspector.
- The structural observer shall perform site visits at those steps in the progress of the work that allow for correction of deficiencies without substantial effort or uncovering of the work involved. At a minimum, the following significant construction stages require a site visit and an observation report from the structural observer:

CONSTRUCTION STAGES	ELEMENTS OR CONNECTIONS TO BE OBSERVED
A Prior to concrete placement	Reinforcing in footings
B Final	Final
- The structural observer shall prepare a report for each significant stage of construction observed. The original of the observation report shall be sent to the building inspector's office and shall be signed and sealed (wet stamp) by the responsible structural observer. One copy of the observation report shall be attached to the approved plans. The copy attached to the plans need not be sealed but shall be signed by the responsible structural observer or their designee. Copies of the report shall also be given to the owner, contractor, and deputy inspector.
- A final observation report must be submitted which shows that all observed deficiencies were resolved and the structural system generally conforms with the approved plans and specifications. The department of building & safety will not accept the structural work without this final observation report and the correction of specific deficiencies noted during normal building and deputy inspection.
- When the owner elects to change the structural observer of record, the owner shall:
 - Notify the building inspector in writing before the next inspection,

- Call an additional preconstruction meeting.
- Furnish the replacement structural observer with a copy of all previous observation reports.

The replacement structural observer shall approve the correction of the original observed deficiencies unless otherwise approved by plan check supervision. The policy of the department shall be to correct any properly noted deficiencies without consideration of their source.

- The engineer or architect of record shall develop all changes relating to the structural systems. The Department of Building & Safety shall review and approve all changes to the approved plans and specifications.

SPECIAL INSPECTION NOTES:

- General: Refer to Chapter 17 of 2010 CBC Title 24 for tests and inspections for all materials and construction process.
- Concrete: Required verification and inspection of concrete construction shall be per Table 1704.4
- Steel: Required verification and inspection of steel construction shall be per Table 1704.3
- Approved Fabricators:
 - Must submit certificate of compliance for offsite fabrication such as structural steel, precast concrete, glued laminated timber, etc.
- Inspectors:

All tests and inspections shall be performed by an approved inspector employed by the owner in accordance with the requirements of the State of California Code of Regulations, Title 24, Part 1. Job site visits by the structural engineer do not constitute and are not a substitute for the inspections by an inspection agency. All testing and inspection reports shall be submitted to the local agency. The final report by the testing and inspection agencies must certify the entire structural system complies with the approved plans and designer's specifications.

Note: It is the contractor's responsibility to see that these tests and inspections are performed.

FOUNDATION

- Footings are designed based on the following information: (CBC Table 1806.2)

Allowable Bearing	
CONTINUOUS FOOTING (D+L)	= 1,000 PSF
PAD FOOTING (D+L)	= 1,000 PSF
PASSIVE EARTH PRESSURE	= 250 PSF/FT OF DEPTH
COEFFICIENT OF FRICTION	= 0.35

Conventional spread footing foundations are expected to provide satisfactory support for the proposed development. Spread footings should be founded on engineered fill placed as described in "earthwork" section above or undisturbed, natural deposits of dense silty sand encountered below the undocumented fill
- All new grade beams and footings shall bear on firm natural soils or compacted fill.
- Contractor to provide for de-watering of excavations from either surface water, ground water or seepage, if required.
- Contractor shall provide for design and installation of all cribbing, sheathing and shoring required and shall be solely responsible for all excavation procedures including lagging, shoring and protection of adjacent property, structures, streets and utilities in accordance with all national, state and local safety ordinances.
- Excavation for new footings shall be approved by the inspector or soils engineer prior to placing the concrete and reinforcing. Contractor to notify the inspector when inspection of excavation is ready. Inspector to submit Letter of Compliance
- All excavations shall be properly backfilled with approved 90% fill.

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11	SD	15	54.0	24	59


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	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamim			48M5710		OF		
	QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamim			51.53		X		
CSFM FILE NO.				UNIT	3599	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				PROJECT NUMBER & PHASE	11000002771	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13			X	X
				EA 11-275601					st-01.dgn	

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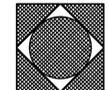
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REINFORCING STEEL

- All reinforcing steel shall be detailed and placed in conformance with the "Building Code requirements for structural concrete" (ACI-318), and the "Manual of Standard Practice For Reinforced Concrete" x-ray by the C.R.S.I or as modified by the construction documents reinforcing bars-a-615 grade 60 or a-706 grade 60 unless noted otherwise.
- Bars shall be clean of rust, grease, or other materials likely to impair bond. All reinforcing bar bends shall be made cold.
- The clear distance between parallel bars shall not be less than 1 1/2" unless noted otherwise.
- Reinforcing bar splices shall be made as indicated on the plans. Minimum length for reinforcing steel bars in masonry shall be 48 bar diameters, 24" minimum. Minimum splice length for reinforcing steel bars in concrete shall be as per the ACI Chapter 12. Lap all horizontal bars at corners and intersections. Stagger all splices unless noted otherwise on plans.
- All bars shall be marked so their identification can be made when the final in-place inspection is made.
- Where welding of reinforcing is approved by the structural engineer, it shall be done by aws certified welders using e90xx or approved electrodes. Welding procedures shall conform to the requirements of structural welding code- "Reinforcing Steel", AWS-D1.4, latest revision. Reinforcing bars to be welded shall conform to the requirements of A-706.
- Bars in slabs shall be securely supported on well-cured concrete blocks or approved metal chairs, prior to placing concrete.
- Reinforcing steel shall be detailed in accordance with the "ACI detailing manual, latest edition.
- Complete and detailed reinforcing placement plans shall be prepared and submitted to the architect for approval by the structural engineer prior to fabrication in accordance with the specifications and applicable codes. These plans shall be available on the job site prior to placing of concrete.
- Mill test reports for grade 60 bars shall be submitted prior to placement of concrete.
- Continuous inspection of concrete shall include inspection during installation of reinforcing steel. Inspection shall be scheduled so that placement of reinforcing steel, conduit, sleeves, and embedded items may be corrected prior to placement of overlying grids or reinforcing steel.
- All grade 60 reinforcing steel shall be clearly marked to differentiate them from grade 40 reinforcing steel if concurrently on site.
- Bend reinforcing steel cold unless otherwise accepted by architect or structural engineer. Provide special inspection of all cold bent reinforcing.
- Unless detailed otherwise, reinforcing steel in continuous beams and spandrels shall have the top steel spliced @ mid-span & the bottom steel spliced over supports (30 dia. min.) at discontinuous ends the top steel shall be bent down 12 dia. or 12" min. whichever is greater.
- The following minimum concrete cover shall be provided for reinforcement, unless noted otherwise on the plans:

MINIMUM COVER, IN.

A. Concrete cast against and permanently exposed to earth	3
B. Concrete exposed to earth or weather: No. 6 through No. 18 bar No. 5 bar, W31 or D31 wire & smaller	2 1-1/2
C. Concrete not exposed to weather or in contact with ground: Slabs, walls, joists: No. 11 bar & smaller Beams, columns: Primary reinforcement ties, stirrups, Spirals	1 1-1/2

CONCRETE

- All concrete construction shall conform with chapter 19 of the code and with the provisions of ACI 318, latest edition.
- Reinforced concrete is designed by the "ultimate strength design method".
- Concrete mixes shall be designed by the approved testing laboratory and approved by the structural engineer. The compressive strength of the concrete shall be proportioned based on section 1905 of the code.
- Provide normal weight concrete (145 pcf), with proven shrinkage characteristics of less than 0.05%, attaining minimum compressive strengths at 28 days (f'c) as follows, unless noted otherwise:

Continuous Footings	4000 Psi
Spread Footings	4000 Psi
Slabs On Grade	3000 Psi
- Portland cement shall conform to astm c-150, type v.
- Aggregate for hardrock concrete shall conform to all requirements and tests of astm c-33 and project specifications. Exceptions may be used only with permission of the structural engineer.
- Concrete mixing operation, etc. Shall conform to astm c-94.
- Placement of concrete shall conform to code section 1905 and project specifications. clean and roughen to 1/4" amplitude all concrete surfaces against which new concrete is to be placed.
- All reinforcing bars, anchor bolts and other concrete inserts shall be well secured in position prior to placing concrete.
- Submit concrete design mix data for each type and compressive strength of concrete required signed by and bearing the seal of a registered civil engineer to the architect or structural engineer. Base design mix on field experience or trial mixtures as stipulated in CBC section 1905.3.
- Slump shall not exceed 4 inches.
- Do not use concrete or grout containing chlorides.
- Provide sleeves for plumbing and electrical openings in new concrete before placing. Locate existing reinforcing using non-destructive methods prior to coring new holes in existing concrete. Do not cut any existing reinforcing which may conflict with new holes unless specifically approved the engineer. Sleeves shall not displace or interrupt reinforcing bars not be spaced closer than a minimum of 6 x sleeve diameter.
- Conduits larger than 1-1/2" diameter shall not be embedded in structural concrete except where specifically approved by the structural engineer. Conduits shall not displace or interrupt reinforcing bars and shall not be spaced closer than a minimum of 6 x conduit diameter. No pipes of any size shall be embedded in concrete, unless specifically approved by the structural engineer.
- Provide keys in construction joints unless detailed otherwise. Thoroughly clean, remove laitance and thoroughly wet and remove standing water in construction joints before placing new concrete. At vertical joints, slush with a coat of neat cement before placing new concrete.
- Perform concrete work in compliance with ACI 301.
- Maintain concrete above 50 degrees Fahrenheit and in a moist condition for a Minimum of 7 days after placement unless otherwise accepted by architect (structural engineer).
- Consolidate concrete in place using a mechanical vibrator.
- All slabs on earth shall have "quick-joint" installed to provide approximately 20 foot squares unless detailed otherwise on the plans.
- Where concrete pours are stopped, the joint shall be formed per typical construction joint detail.

st-02.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY GENERAL NOTES	SHEET
	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamin		ARCHITECTURAL AND STRUCTURAL	POST MILE 51.53		ST-02
QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			UNIT PROJECT NUMBER & PHASE 3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
28-JAN-2014 13:34	CSFM FILE NO.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	EA 11-275601	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	X X	X X	

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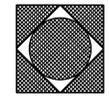
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WOOD (CONTINUED):

- Use of machine nailing is subject to a satisfactory jobsite demonstration and the approval by the architect or structural engineer and the division of the state architect. The approval is subject to continued satisfactory performance. If nail heads penetrate the outer ply more than would be normal for a hand hammer or if minimum allowable edge distances are not maintained the performance will be deemed unsatisfactory.
- Anchor bolts (foundation anchor bolts): Provide 5/8 inch diameter anchor or machine bolts with a minimum of 9 inches embedment into the concrete and within 9 inches of each end of each plate. Space anchors at 48 inches on center UNO. Anchors shall be located a maximum of 2 inches from the face of stud receiving wood structural panels. Anchor bolt holes 1/32 to 1/16 inch larger than the anchor bolt diameter. Holes more than 1/16 inch larger than the anchor bolt shall be epoxy filled under the continuous supervision of a licensed special inspector. All washers shall be 2 1/2" X 2 1/2" X 1/4", UNO.
- Lag screw clearance and lead holes shall be bored as follows: The clearance hole for the shank shall have the same diameter as the shank, and the same depth of penetration as the length of unthreaded shank. The lead hole for the threaded portion shall have a diameter equal to 40%-70F the shank diameter and a length equal to at least the length of the threaded portion.
- Cut steel washers: for bolts, lags and nuts, UNO.
- Nailed/screwed hold down anchors: install per manufacturer's approved ICBO product evaluation report. Install hold downs 1/2 inch minimum above the plate to allow for tightening anchor bolt. The hold down shall be installed tight to the hold down post without fillers or dapping. Do not bend holddown.
- Bolted hold down anchors: Install per manufacturer's approved ICBO product evaluation report. Install hold downs 1/2 inch minimum above the plate to allow for tightening anchor bolt. Tighten hold down anchor before tightening post bolts. Use extra care in boring the post bolt holes 1/16 larger than the bolt diameter. The hold down shall be installed tight to the hold down post without fillers or dapping. The post bolts shall not be countersunk into the hold down post UNO. Do not bend holddown
- Galvanizing: Use galvanized connectors and fasteners galvanized per ASTM A153 for all outdoors, or treated wood connections.
- Nailing Schedule- Table 2304.9.1, (CBC Chapter 23)
The connectors listed are the minimum permissible. Use common wire nails for all nailed connections. Where possible, nails driven perpendicular to the grain shall be used instead of toe nails. See the drawings for additional nailing requirements.

WOOD STRUCTURAL PANELS (APA RATED):

- References: PS1, PS2, APA Standard PS 1-95 D.F. LArch STR1 or CDX. National Evaluation Service Report NER-108 and ICBO ES Report 1952.
- Wall Panels: Structural 1, 5 Ply 15/32, 32/16, UNO.
- Roof Panels: Structural I 15/32, 32/16 (UNO)
- Nailing: Common wire nails. Panel nails shall be driven so that the heads are flush with the surface of the panel. Field nailing (FN) shall be 12 inches on center and the minimum panel edge distances shall be maintained.
- Glued Floors: Field glue to all supports and tongue & groove edges per APA, AFG-01. Framing shall be free of surface moisture & debris prior to gluing.
- Wood Structural Panels: Where adjacent walls are paneled, panels shall be installed over and under openings.
- Oriented Strand Board (O.S.B.): May be used in lieu of plywood for horizontal or vertical sheathing provided that it is the same thickness and nailing.

WOOD:

- Provide grade marked Douglas Fir structural lumber complying with Standard Grading Rules No.17 of the West Coast Lumber Inspection Bureau. Provide air dry lumber with a 19% maximum moisture content.
- Provide minimum lumber grades as follows:
Joists & Planks - No. 1 (123-B)(1000Fb)
Beams and Stringers - Select Structural (130-A)(1600Fb).
Wall Studs (2x4, 2x6, 2x8, 3x4) - Grade No. 2
2" NOM. & smaller - Grade No. 2
Larger than 2" nom. - Grade No. 1
- Pressure treat structural lumber bearing on concrete or masonry in compliance with specifications. Provide hot dipped galvanized or stainless steel fasteners and hardware connectors at pressure treated structural lumber. All bearing and shear wall mudsills shall be 3x set on a 1" min. Drypack grout bed unless otherwise noted.
- Bearing sill plates shall be bolted to concrete with 5/8"Ø anchor bolts @ 4'-0" max. Unless otherwise noted. At all corners, intersections, door openings, sill ends & wherever any cut or notch in the sill exceeds 1/3 the sill width, place a bolt not over 9" from the notch or end of the sill piece. Each piece of sill plate shall have two bolts minimum.
- Where stud partitions join concrete or masonry walls the end stud shall be anchored there to with 1/2"Ø bolts near the top & bottom and at each row of fire blocking. Such bolts shall be embedded in the wall not less than 2/3 of the wall thickness or 8" max.
- Studs shall be spaced @ 16" oc max. Unless noted otherwise and of the size shown on the plans and/or sections.
- No structural members shall be cut for pipes, vents, ducts, & other similar openings except as detailed or specified.
- All nails, unless indicated otherwise, are common nails with dimensional properties complying with CBC Table 2304.9.1. Install nails in compliance with CBC Chapter 23, including Table 2304.9.1.
- Provide wood hardware connectors as manufactured by Simpson Strong-Tie Company, Inc. or approved equal Complying With ICBO Evaluation Report.
- Provide holes for bolts 1/32" to 1/16" larger than nominal bolt diameter. Provide a307 bolts, unless noted otherwise, with standard cut washer under bolt head and nut. Provide standard washers under heads of lag screws. Do not hammer screws and lag bolts into place.
- Retighten bolts prior to application of sheathing, plaster, etc.
- Wood Studs:
 - Top plate of stud walls shall be 2 pieces same width as studs. Splice as indicated.
 - Full-depth solid blocking or cross bracing: Installed at intervals not exceeding 8 feet for all joists and rafters 2x12 and deeper.
 - Solid blocking: Two inch full width blocking (fire stops) in concealed spaces of stud walls and partitions, including furred spaces, at the ceiling and floor levels and at 10-foot intervals both vertical and horizontal.
 - Cutting and Notching: Do not cut, bore, countersink or notch wood members except where shown in the details. Holes through plates, studs and double plates in walls shall not exceed 40% the member width & shall be located in the center of the member. Studs at bearing walls shall not be notched more than 25%.
 - Partitions: Double joists under partitions parallel to joists and provide solid blocking under partitions perpendicular to joists.
 - End Support: Roof and floor joists over 4 inches deep shall have their ends held in position with either:
Full depth solid blocking, nailed bridging, nailing or bolting to other framing members or approved joist hangers.
- Do not suspend ceilings, soffits, sprinklers, piping, mechanical ducts, nor any other element from 2x4 roof framing unless specifically detailed.
- Double top plates on all exterior and bearing partitions (not otherwise detailed) shall lap 4'-0" min. at staggered places and have 15-10d min. ea. side thru lap.
- See details on ST-10 for typical hangers.
- Provide nailable cross bridging at all supports where joists are hung with joist hangers (w series type, etc.) Off the top plate of stud walls and the tops of wood beams and nailers. Exceptions: omit these cross bridgings where hangers are welded to the top of steel beams, or where joist hangers are nailed to the face of wood beams (similar to Simpson 'U' Hangers).
- Beams built up from multiple 2x members
 - 2-2x Beams - 16d face nails staggered at 9"oc.
 - 3-2x Beams - 5/8" diameter bolts staggered at 18"oc.

st-03.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	GENERAL NOTES	SHEET OF ST-03
	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			POST MILE	51.53			
	QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			REVISION DATES (PRELIMINARY STAGE ONLY)				
28-JAN-2014 13:34	CSFM FILE NO.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	X	X	

28-JAN-2014 13:34

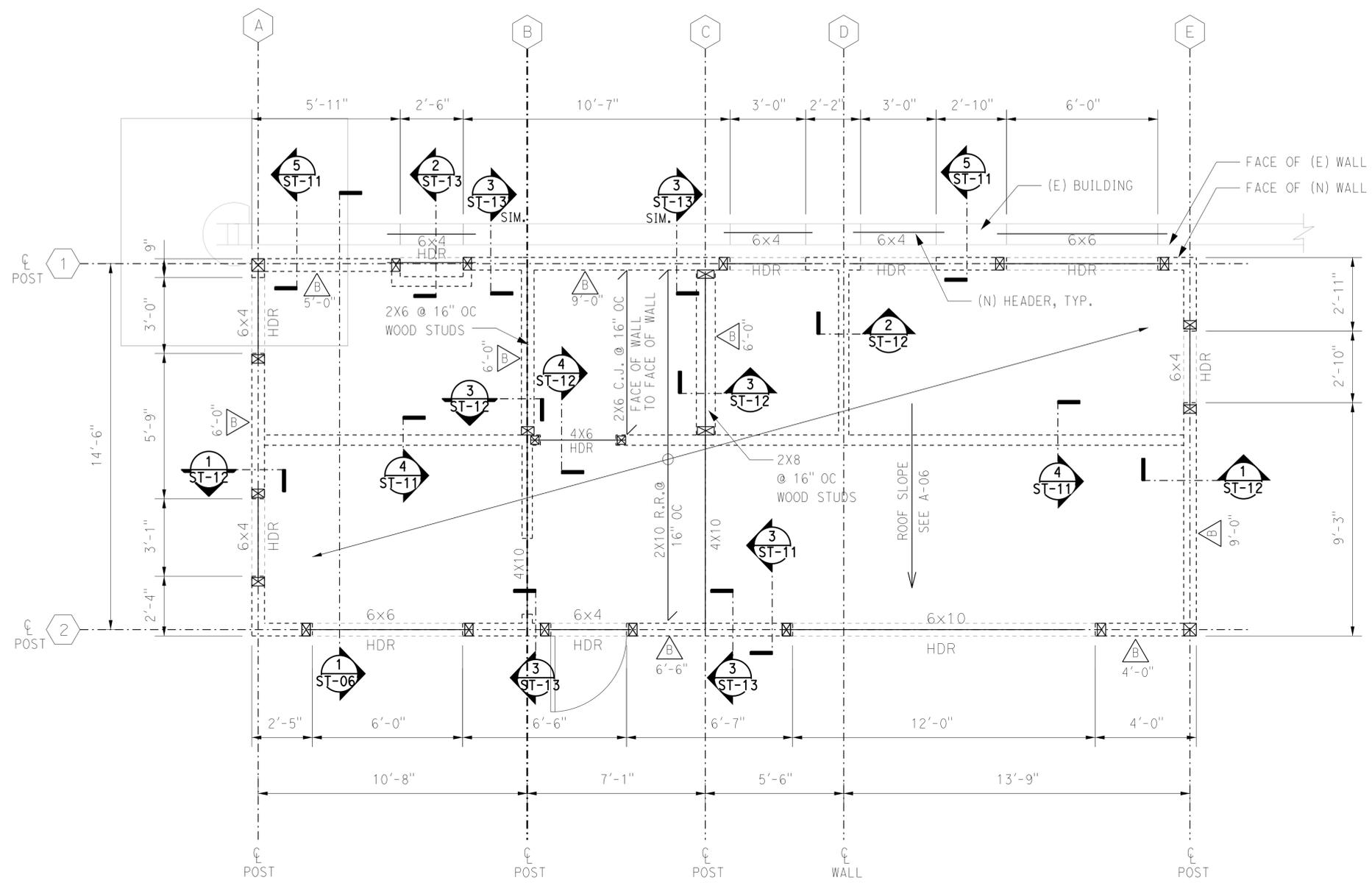
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	28	59

01-04-13
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12-09-13
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2 ROOF FRAMING PLAN
 3/8" = 1'-0"

- NOTES:**
- For General Notes, see sheets ST-01 thru ST-03.
 - See ST-07 thru ST-09 for concrete details.
 - See ST-10 thru ST-13 for wood details.
 - See architectural drawings for roof slopes, gutters, vents, drains, saddles, dimensions and other information not shown.
 - See mechanical drawings for mechanical equipment weight, size, location, anchorage, size and location of duct openings, etc.
 - For exterior wall elevations, see Architecture plans.
 - ↔ Indicates roof rafters per plan.
 - Roof sheathing shall be 5/8" plywood, CD-X P11 32/16, w/ 10d common nails @ 6" oc @ boundary and panel edge, 12" oc @ field

st-05.dgn TAEMWW Imperial Rev. 7/10	28-JAN-2014 13:34	CSFM FILE NO.	DESIGN BY	Peyman S. Moghadam	CHECKED	Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET ST-05
			DETAILS BY	Peyman S. Moghadam	CHECKED	Arif H. Shamin			POST MILE	51.53		
			QUANTITIES BY	Peyman S. Moghadam	CHECKED	Arif H. Shamin	UNIT PROJECT NUMBER & PHASE	3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3			08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13		X X

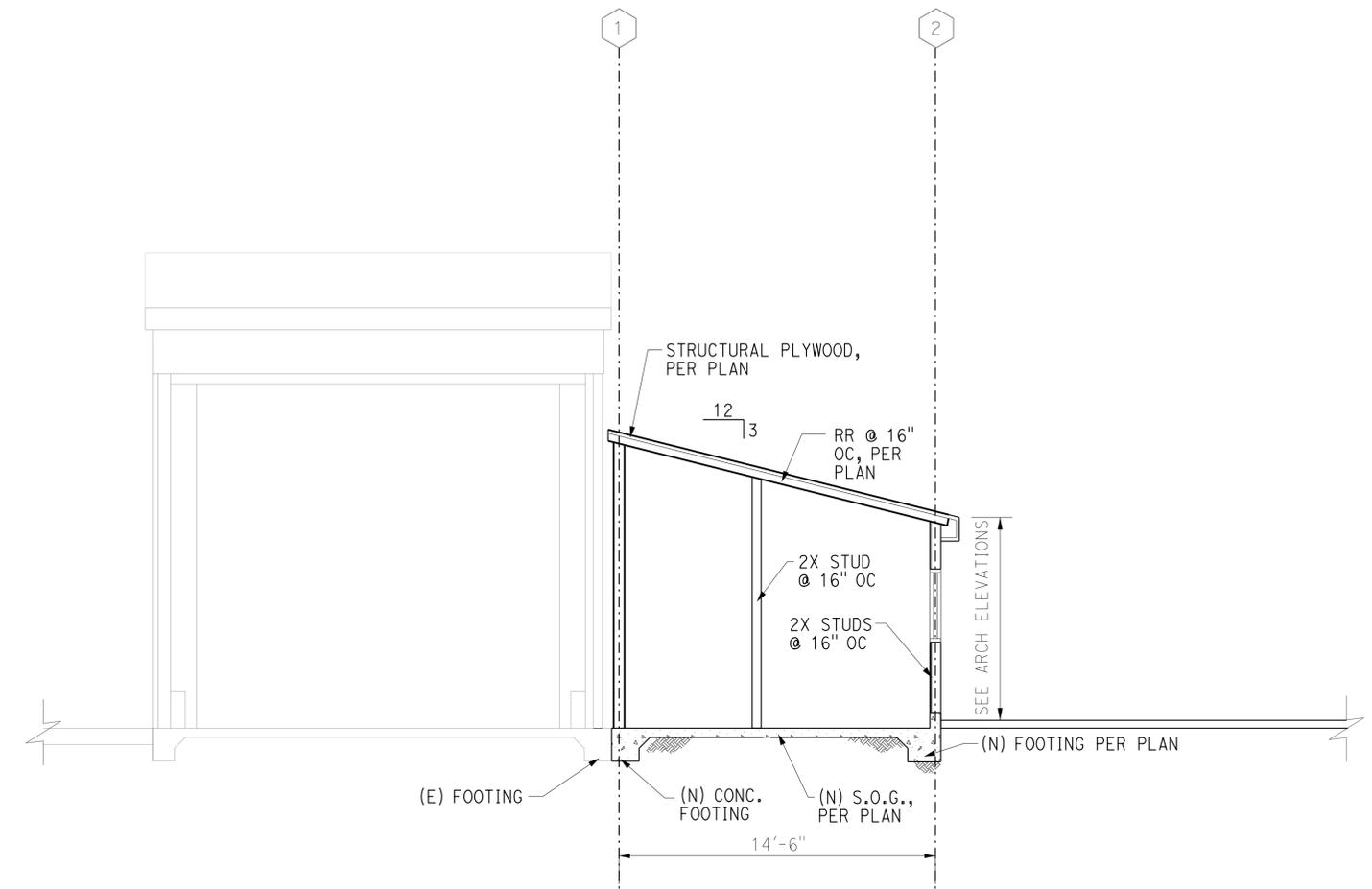
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	29	59

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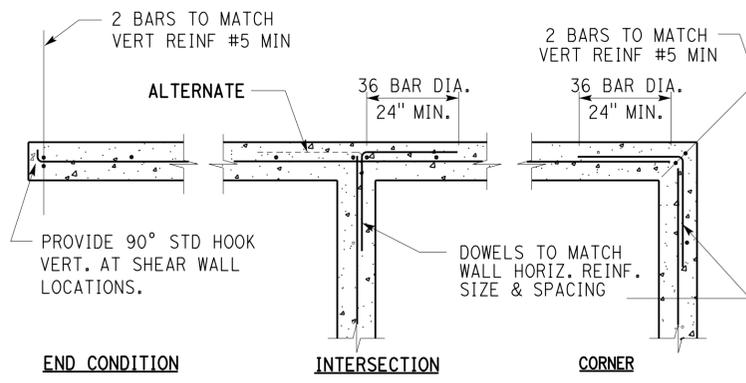


1 WALL SECTION
 1/4" = 1'-0"

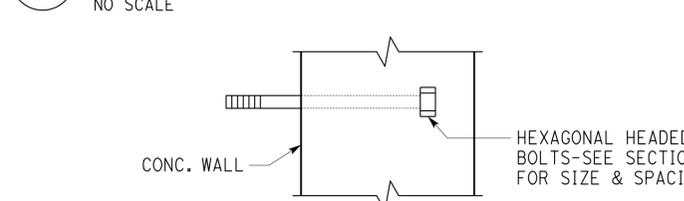
NOTE:
 1. See architectural drawings for all building dimensions.

st-06.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET ST-06	
	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			POST MILE	51.53			BUILDING SECTION
	QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			UNIT PROJECT NUMBER & PHASE	3599 11000002771			
28-JAN-2014 13:34	CSFM FILE NO.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	EA 11-275601	REVISION DATES (PRELIMINARY STAGE ONLY)	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	SHEET OF X X			

BAR DESCRIPTION AND LOCATION IN STRUCTURE	CONCRETE STRENGTH (PSI)	REINFORCING BAR TENSION SPLICE LENGTH (GRADE 60)																
		BAR SIZE	#11		#10		#9		#8		#7		#6		#5		#4	
			LAP CLASS	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
BEAMS, COLUMNS AND INNER LAYER OF WALLS OR SLABS WITH COVER > BAR DIA. SPACING > 6XBAR DIA.	3000	TOP	5'-11"	7'-9"	4'-10"	6'-4"	4'-0"	5'-3"	3'-7"	4'-8"	3'-2"	4'-1"	2'-8"	3'-6"	2'-3"	2'-11"	1'-10"	2'-4"
		BOTTOM	4'-7"	5'-11"	3'-9"	4'-10"	3'-1"	4'-0"	2'-9"	3'-7"	2'-5"	3'-2"	2'-1"	2'-8"	1'-9"	2'-3"	1'-5"	1'-10"
	4000	TOP	5'-2"	6'-8"	4'-2"	5'-5"	3'-6"	4'-7"	3'-1"	4'-0"	2'-9"	3'-6"	2'-4"	3'-0"	1'-11"	2'-6"	1'-7"	2'-0"
		BOTTOM	4'-0"	5'-2"	3'-3"	4'-2"	2'-8"	3'-6"	2'-5"	3'-1"	2'-9"	2'-1"	2'-10"	2'-4"	1'-6"	1'-11"	1'-3"	1'-7"
	5000	TOP	4'-7"	6'-0"	3'-9"	4'-11"	3'-2"	4'-1"	2'-9"	3'-7"	2'-5"	3'-2"	2'-1"	2'-9"	1'-9"	2'-3"	1'-5"	1'-10"
		BOTTOM	3'-7"	4'-7"	2'-11"	3'-9"	2'-5"	3'-2"	2'-2"	2'-9"	1'-11"	2'-5"	1'-7"	2'-1"	1'-4"	1'-9"	1'-1"	1'-5"
BEAMS, COLUMNS AND INNER LAYER OF WALLS OR SLABS WITH COVER > BAR DIA. SPACING > 4XBAR DIA.	3000	TOP	7'-5"	9'-8"	6'-1"	7'-10"	4'-9"	6'-2"	3'-9"	4'-11"	3'-2"	4'-1"	2'-8"	3'-6"	2'-3"	2'-11"	1'-10"	2'-4"
		BOTTOM	5'-9"	7'-5"	4'-8"	6'-1"	3'-8"	4'-9"	2'-11"	3'-9"	2'-5"	3'-2"	2'-1"	2'-8"	1'-9"	2'-3"	1'-5"	1'-10"
	4000	TOP	6'-5"	8'-4"	5'-3"	6'-10"	4'-2"	5'-4"	3'-3"	4'-3"	2'-9"	3'-6"	2'-4"	3'-0"	1'-11"	2'-6"	1'-7"	2'-0"
		BOTTOM	4'-11"	6'-5"	4'-0"	5'-3"	3'-2"	4'-2"	2'-6"	3'-3"	2'-1"	2'-9"	1'-10"	2'-4"	1'-6"	1'-11"	1'-3"	1'-7"
	5000	TOP	5'-9"	7'-6"	4'-8"	6'-1"	3'-8"	4'-10"	2'-11"	3'-10"	2'-5"	3'-2"	2'-1"	2'-9"	1'-9"	2'-3"	1'-5"	1'-10"
		BOTTOM	4'-5"	5'-9"	3'-7"	4'-8"	2'-10"	3'-8"	2'-3"	2'-11"	1'-11"	2'-5"	1'-7"	2'-1"	1'-4"	1'-9"	1'-1"	1'-5"
ANY BAR (EXCLUDING BEAMS, COLUMNS AND INNER LAYER OF WALLS OR SLABS) WITH COVER > BAR DIA. SPACING > 6XBAR DIA.	3000	TOP	8'-4"	10'-10"	6'-9"	8'-10"	5'-4"	6'-11"	4'-3"	5'-6"	3'-3"	4'-2"	2'-8"	3'-6"	2'-3"	2'-11"	1'-10"	2'-4"
		BOTTOM	6'-5"	8'-4"	5'-3"	6'-9"	4'-1"	5'-4"	3'-3"	4'-3"	2'-6"	3'-3"	2'-1"	2'-8"	1'-9"	2'-3"	1'-5"	1'-10"
	4000	TOP	7'-2"	9'-4"	5'-10"	7'-8"	4'-8"	6'-0"	3'-8"	4'-9"	2'-9"	3'-7"	2'-4"	3'-0"	1'-11"	2'-6"	1'-7"	2'-0"
		BOTTOM	5'-7"	7'-2"	4'-6"	5'-10"	3'-7"	4'-8"	2'-10"	3'-8"	2'-2"	2'-9"	1'-10"	2'-4"	1'-6"	1'-11"	1'-3"	1'-7"
	5000	TOP	6'-5"	8'-5"	5'-3"	6'-10"	4'-2"	5'-5"	3'-3"	4'-3"	2'-6"	3'-3"	2'-1"	2'-9"	1'-9"	2'-3"	1'-5"	1'-10"
		BOTTOM	5'-0"	6'-5"	4'-1"	5'-3"	3'-2"	4'-2"	2'-6"	3'-3"	1'-11"	2'-6"	1'-7"	2'-1"	1'-4"	1'-9"	1'-1"	1'-5"
ANY BAR WITH COVER > BAR DIA. SPACING > 3XBAR DIA.	3000	TOP	10'-5"	13'-6"	8'-6"	11'-0"	6'-8"	8'-8"	5'-3"	6'-10"	4'-0"	5'-3"	2'-11"	3'-10"	2'-3"	2'-11"	1'-10"	2'-4"
		BOTTOM	8'-0"	10'-5"	6'-6"	8'-6"	5'-2"	6'-8"	4'-1"	5'-3"	3'-1"	4'-0"	2'-3"	2'-11"	1'-9"	2'-3"	1'-5"	1'-10"
	4000	TOP	9'-0"	11'-8"	7'-4"	9'-6"	5'-9"	7'-6"	4'-7"	5'-11"	3'-6"	4'-6"	2'-7"	3'-4"	1'-11"	2'-6"	1'-7"	2'-0"
		BOTTOM	6'-11"	9'-0"	5'-8"	7'-4"	4'-5"	5'-9"	3'-6"	4'-7"	2'-8"	3'-6"	2'-0"	2'-7"	1'-6"	1'-11"	1'-3"	1'-7"
	5000	TOP	8'-1"	10'-6"	6'-7"	8'-6"	5'-2"	6'-9"	4'-1"	5'-4"	3'-1"	4'-0"	2'-3"	3'-0"	1'-9"	2'-3"	1'-5"	1'-10"
		BOTTOM	6'-2"	8'-1"	5'-1"	6'-7"	4'-0"	5'-2"	3'-2"	4'-1"	2'-5"	3'-1"	1'-9"	2'-3"	1'-4"	1'-9"	1'-1"	1'-5"



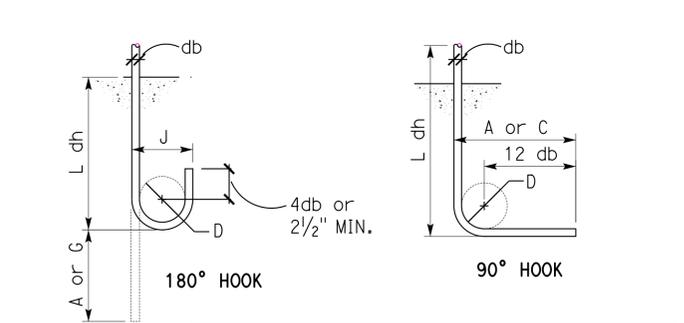
2 PLAN-CONCRETE WALL DETAIL WITH SINGLE LAYER REINFORCEMENT
NO SCALE



NOTE: 1. Minimum bolt spacing shall be 12 bolt diameters with a minimum edge distance of 6 diameters and with a min of 6" to end of wall.

CONCRETE WALL SCHEDULE	
BOLT SIZE	EMBEDMENT
1/2" ø	4"
5/8" ø	5"
3/4" ø	6"
7/8" ø	7"
1" ø	8"

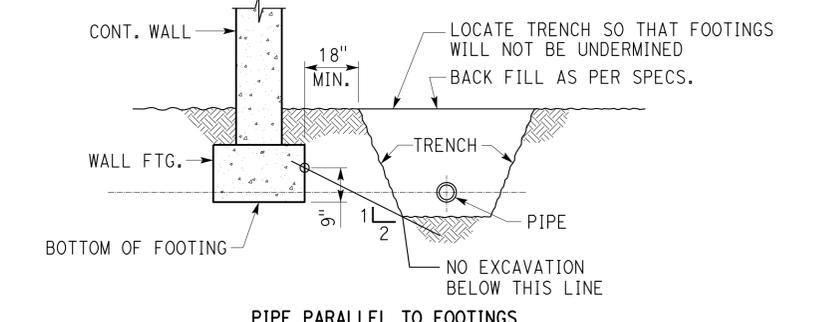
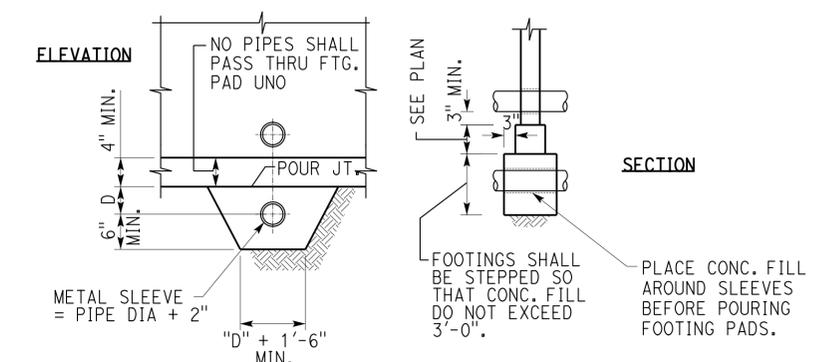
3 TYP. BOLT IN CONG. WALL DTL
NO SCALE



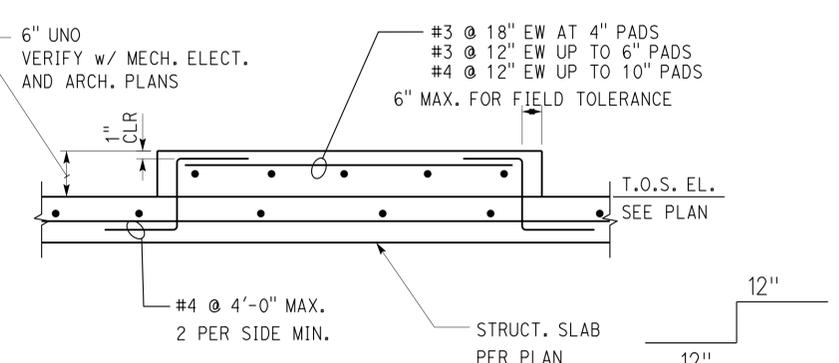
BAR SIZE	FINISHED BEND DIAMETER 'D', IN.	180° HOOKS		90° HOOKS		EMBEDMENT LENGTH L dh
		A or G	J	A or G		
#3	2 1/4"	5"	3"	6"	9"	
#4	3"	6"	4"	8"	1'-0"	
#5	3 3/4"	7"	5"	10"	1'-3"	
#6	4 1/2"	8"	6"	1'-0"	1'-6"	
#7	5 1/4"	10"	7"	1'-2"	1'-9"	
#8	6"	11"	8"	1'-4"	2'-0"	
#9	9 1/2"	1'-3"	11 3/4"	1'-7"	2'-3"	
#10	10 3/4"	1'-5"	1'-1 1/4"	1'-10"	2'-7"	
#11	12"	1'-7"	1'-2 3/4"	2'-0"	2'-10"	

6 STND. END HOOK DETAILS
NO SCALE

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

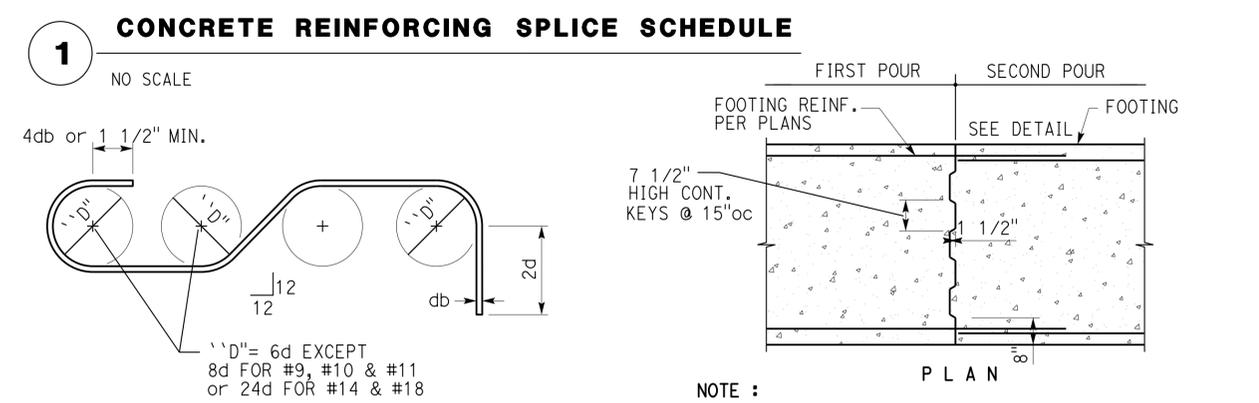


7 PIPE TRENCH/FOOTING DETAIL
NO SCALE



8 S.O.G. AT GENSET PAD
NO SCALE

- NOTES:**
- Bar splices not covered by this schedule are specifically detailed and dimensioned on plans.
 - Clear spacing of less than 3x bar diam. is not allowed at splice location.
 - All splices shall be class "b" unless noted otherwise on plans.
 - Top bars are horizontal reinforcement with more than 12" of concrete cast below bar.
 - Bottom bars are vertical reinforcement, and horizontal reinforcement with less than 12" of concrete cast below bar.
 - For lightweight concrete multiply the splices shown by 1.3
 - Cover designates clear concrete cover from spliced bar to face of member. Spacing designates center - to - center spacing of spliced bars.



1 CONCRETE REINFORCING SPLICE SCHEDULE
NO SCALE



4 TYP. HOOKS AND BENDS
NO SCALE



5 CONT. FOOTING CONSTR. JOINT
NO SCALE

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	DETAILS	BY	Peyman S. Moghadam	CHECKED					
QUANTITIES	BY	Peyman S. Moghadam	CHECKED	Arif H. Shamin	UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET
CSFM FILE NO.		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		PROJECT NUMBER & PHASE		11000002771		08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	

EA 11-275601

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	30	59

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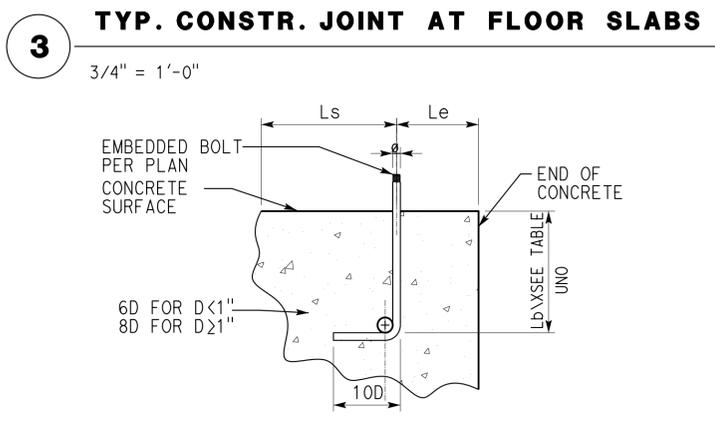
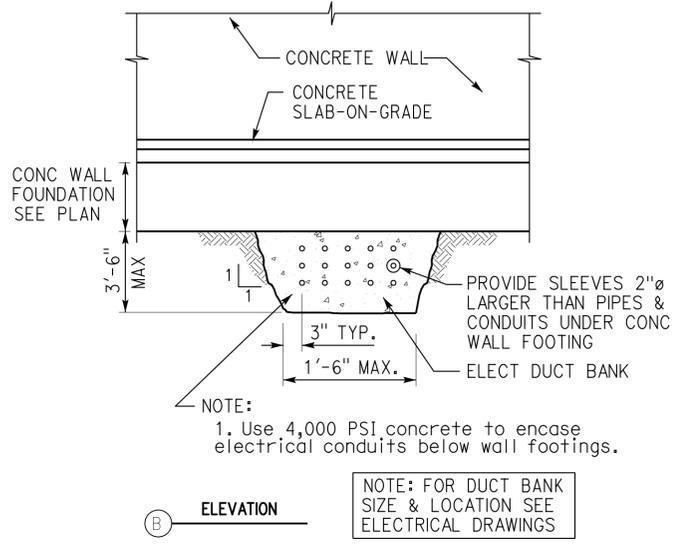
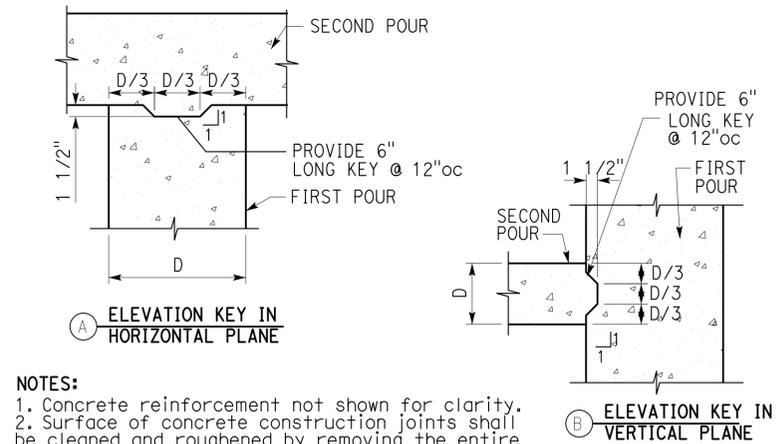
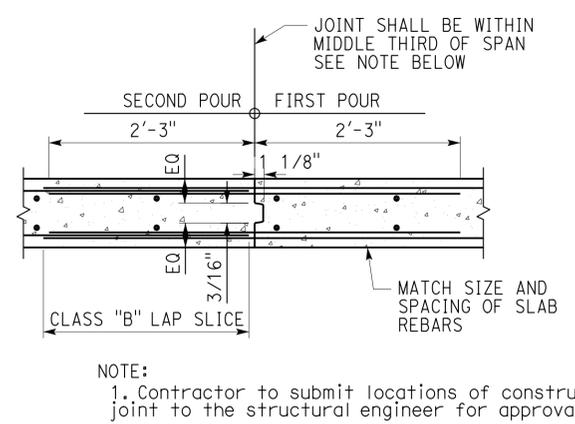
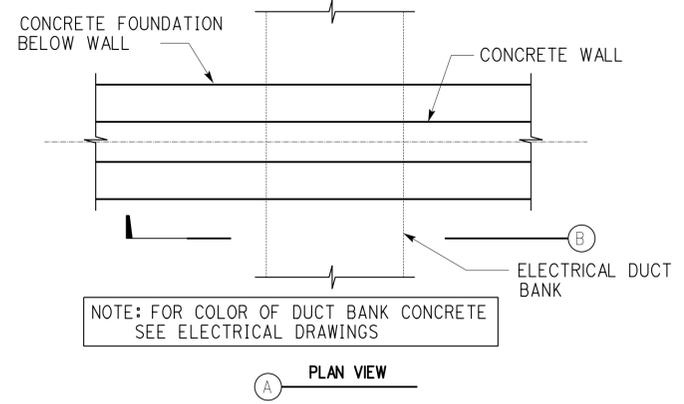
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	31	59

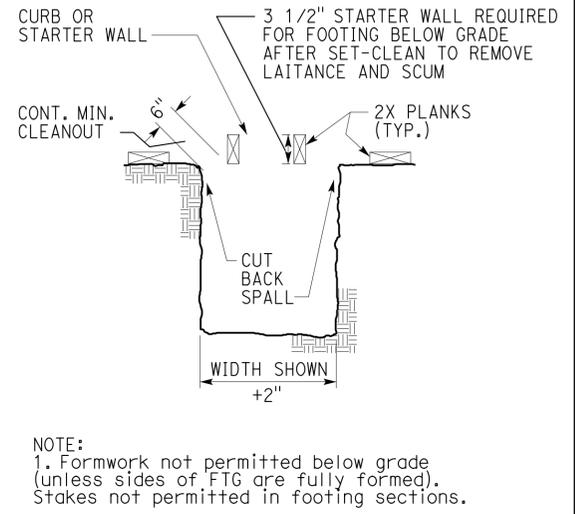
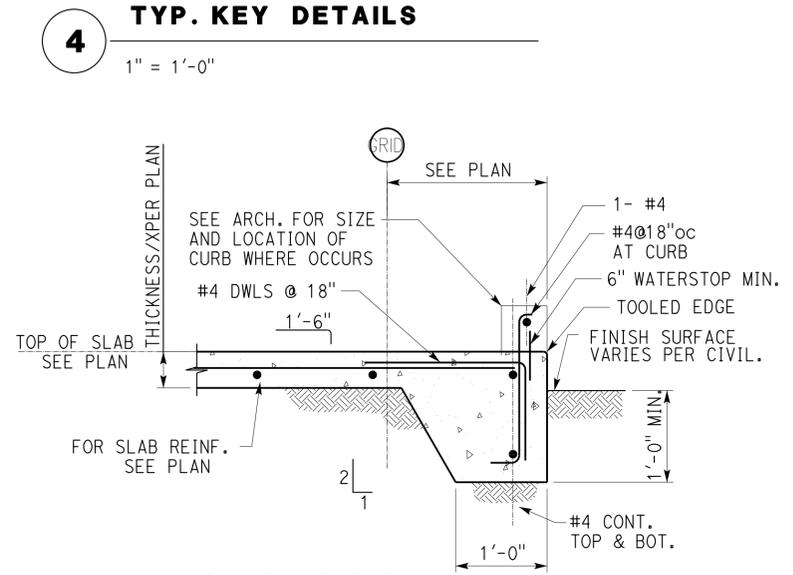
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EMBEDDED BOLT DIMENSIONS, ALL GRADES

BOLT DIA., D, IN.	HOOK LENGTH 10 D, IN.	EMBEDMENT DEPTH Lb, IN.	END DISTANCE Le, IN.	SPACING U.N.O. Ls, IN.
1/2"	5"	4"	5"	6"
5/8"	6 1/4"	4 1/4"	6 1/4"	7 1/4"
3/4"	7 1/2"	5"	7 1/2"	9"
7/8"	8 3/4"	6"	5 3/4"	10 1/4"
1"	10"	7"	6"	12"
1 1/8"	11 1/4"	8"	6 3/4"	13 1/4"
1 1/4"	12 1/2"	9"	7 1/4"	15"

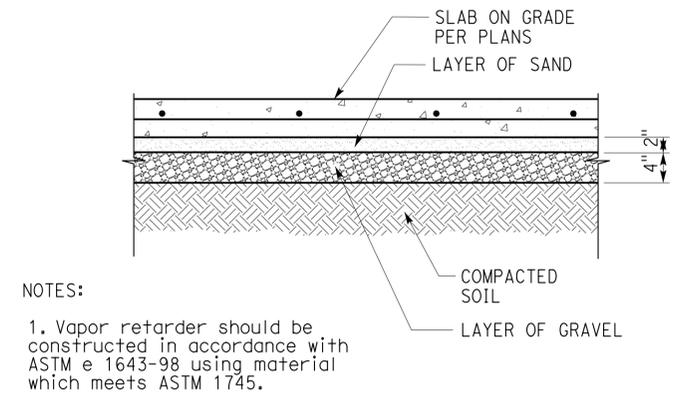


1 EMBEDDED PIPES AND CONDUITS
1/4" = 1'-0"

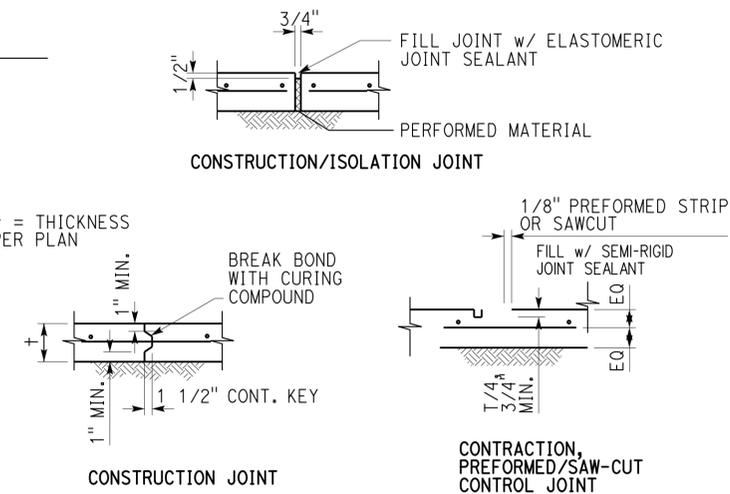
5 EMBEDDED BOLT DETAIL
NO SCALE

6 EDGE OF S.O.G.
1" = 1'-0"

7 MANDATORY MIN. FORMWORK
1" = 1'-0"

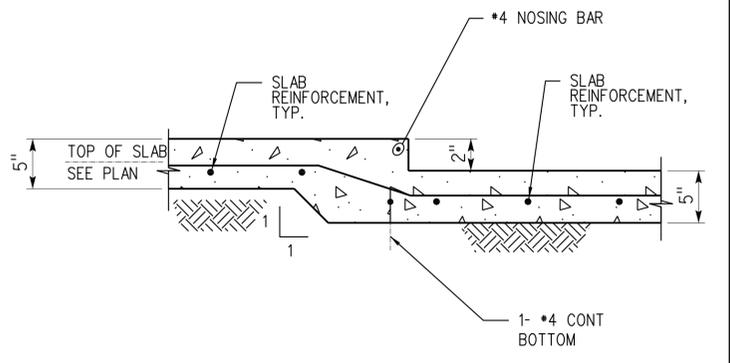


NOTES:
 1. Control joints to be located at column center lines and at 20'-0"oc max and every 400 square feet.
 2. If saw-cut control joint to be used, saw-cut within 24 hours of pour.
 3. Construction joint to be located as per notes #1 and #2 unless specifically indicated on plans.



2 TYP. S.O.G./SUB-BASE DETAIL
1" = 1'-0"

8 S.O.G. JOINTS
1" = 1'-0"



9 DEPRESSION IN SLAB
NO SCALE

DESIGN BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY TYPICAL CONCRETE DETAILS	SHEET ST-08
DETAILS BY Peyman S. Moghadam	CHECKED Arif H. Shamin	UNIT PROJECT NUMBER & PHASE 3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

st-08.dgn 28-JAN-2014 13:34 CSFM FILE NO. ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3599 11000002771 DISREGARD PRINTS BEARING EARLIER REVISION DATES 08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	32	59

01-04-13
DATE

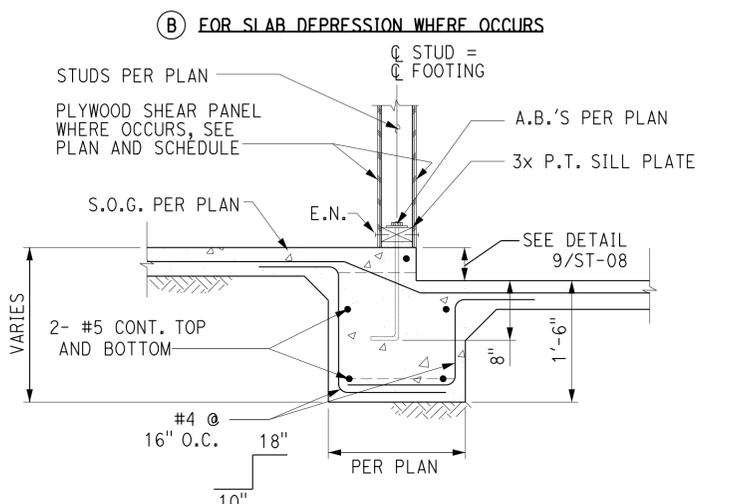
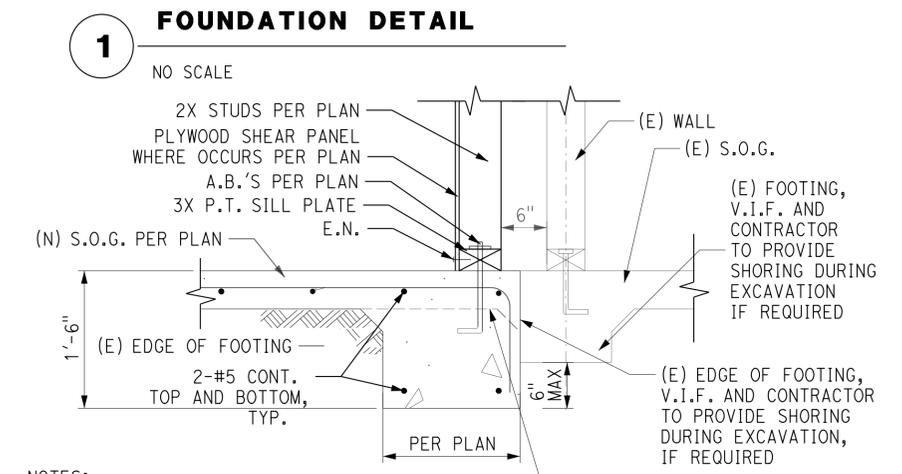
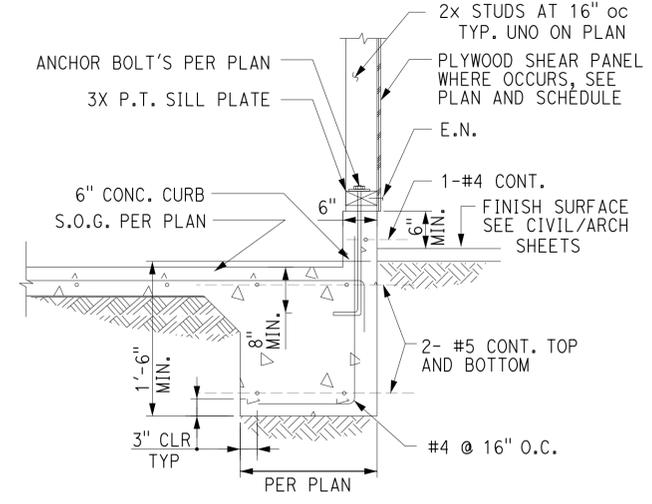
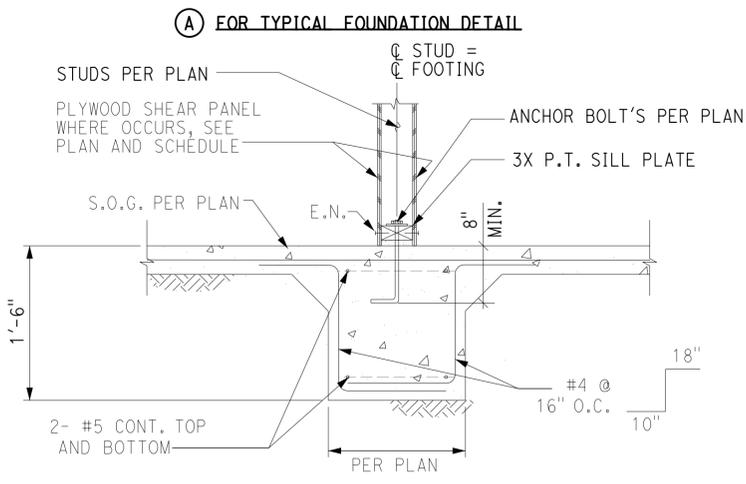
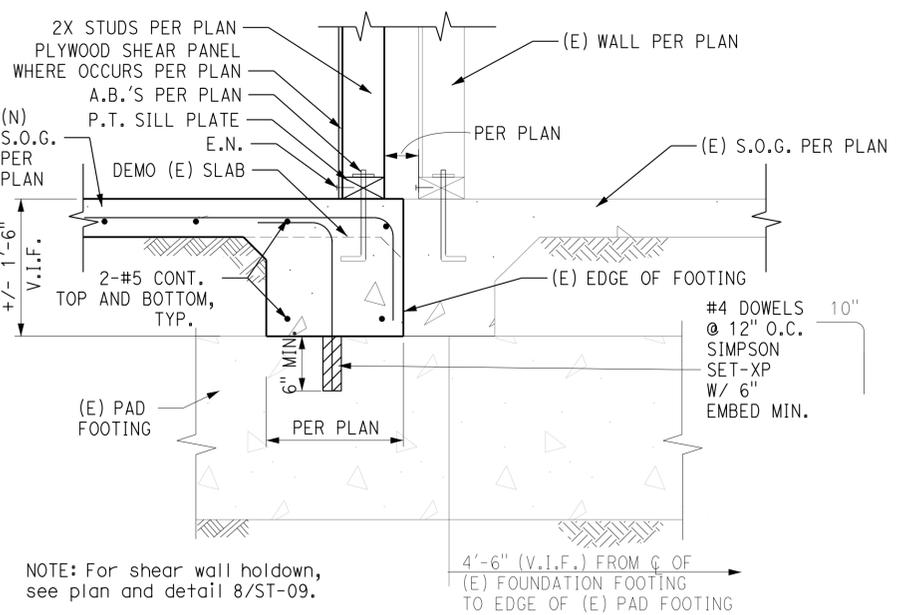
REGISTERED STRUCTURAL ENGINEER

ARTIF H. SHAMIN
S4711
Exp. 12/31/14
STRUCTURAL
STATE OF CALIFORNIA

12-09-13
PLANS APPROVAL DATE

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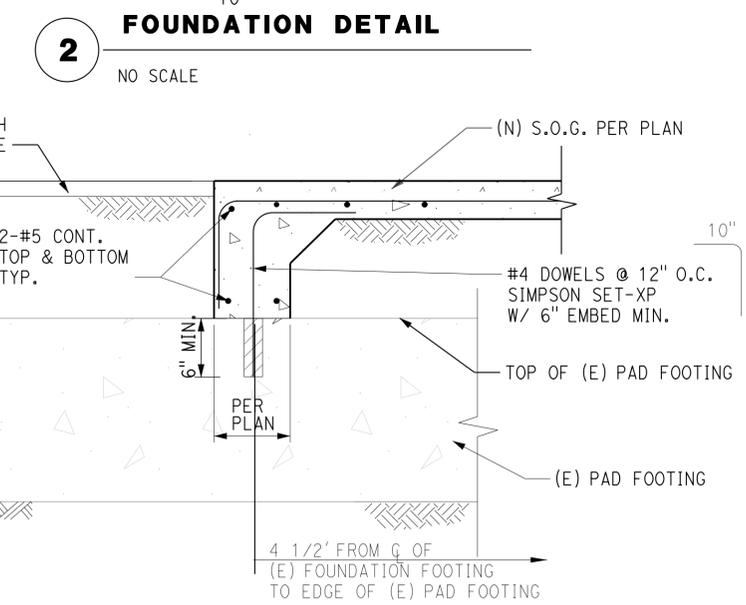
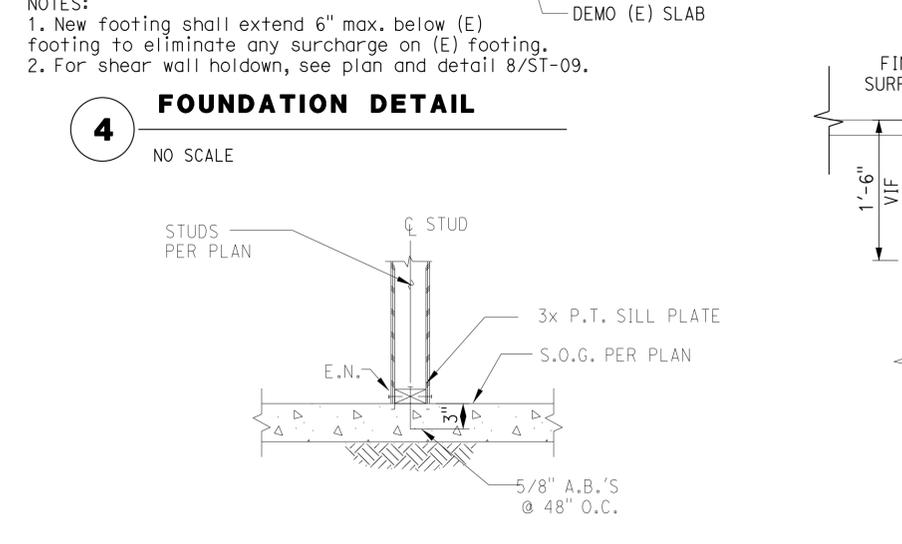
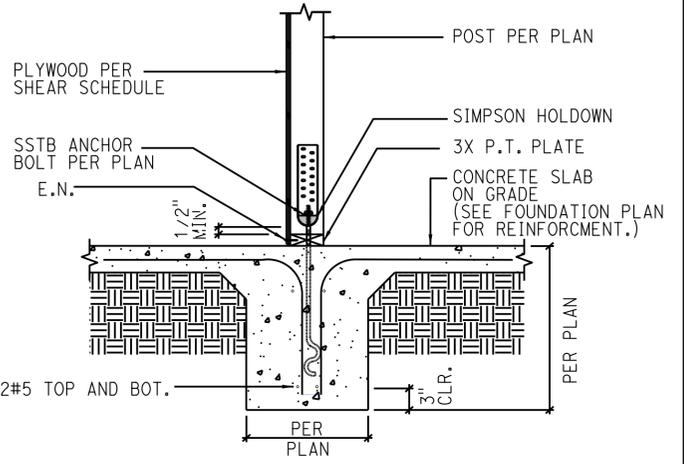
NOTE: For shear wall holddown, see plan and detail 8/ST-09.

3 FOUNDATION DETAIL
NO SCALE

- NOTES:
- SB ICC-ESR 2611
 - HDU ICC-ESR 2330
 - Deepen footing under SSTB28, 34, & 36 to provide 3" cover
 - SDS screws for PHD shall be 3" long
 - SSTB A. Bolts to be a minimum of 5" distance from end
 - For balance of info, see Detail 2/ST-09

HOLDOWN SCHEDULE

HOLDOWN MARK	SSTB A.BOLT	MIN. EMBED.	FASTENER TO WD. MEMBER
HDU2	SB 5/8 x 24	17"	6-SDS 1/4x2.5
HDU4	SB 5/8 x 24	21"	10-SDS 1/4x2.5

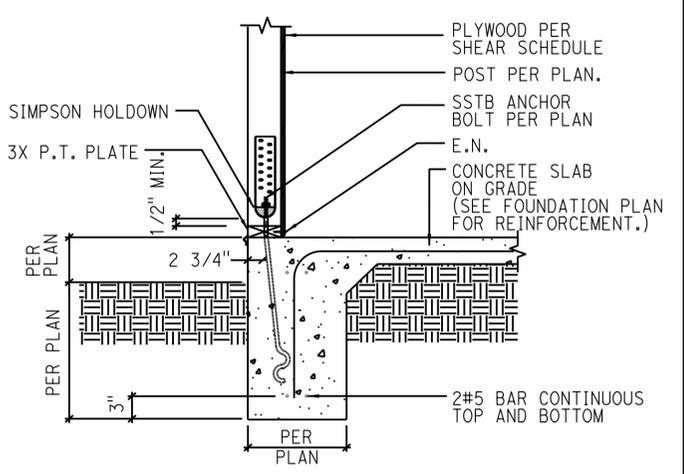


7 INTERIOR HOLDOWN DETAIL
NO SCALE

- NOTES:
- SB ICC-ESR 2611
 - HDU ICC-ESR 2330
 - Deepen footing under SSTB28, 34, & 36 to provide 3" cover
 - SDS screws for PHD shall be 3" long
 - SSTB A. Bolts to be a minimum of 5" distance from end
 - To properly locate holddown anchor bolts, the contractor to check structural framing and location of architectural openings before placing bolts.
 - For balance of info, see Details 3/ST-09, 4/ST-09

HOLDOWN SCHEDULE

HOLDOWN MARK	SSTB A.BOLT	MIN. EMBED.	FASTENER TO WD. MEMBER
HDU2	SB 5/8 x 24	17"	6-SDS 1/4x2.5
HDU4	SB 5/8 x 24	21"	10-SDS 1/4x2.5



8 EXTERIOR HOLDOWN DETAIL
NO SCALE

DESIGN BY Peyman S. Moghadam	CHECKED Arif H. Shamim	PREPARED FOR THE STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET
DETAILS BY Peyman S. Moghadam	CHECKED Arif H. Shamim	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE 11000002771	POST MILE 51.53		ST-09
QUANTITIES BY Peyman S. Moghadam	CHECKED Arif H. Shamim	CSFM FILE NO.	UNIT PROJECT NUMBER & PHASE 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
st-09.dgn	28-JAN-2014 13:34	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 11-275601	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	X X	28-JAN-2014 13:34

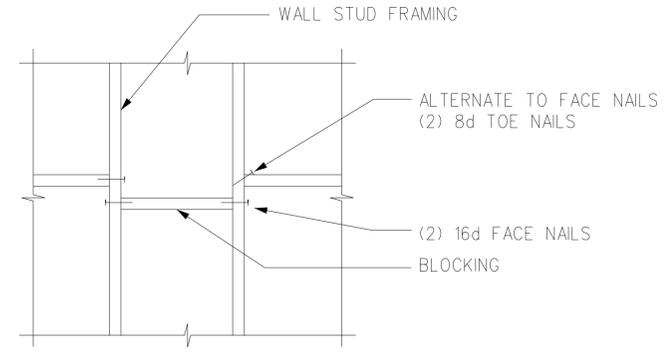
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	33	59

01-04-13
 REGISTERED STRUCTURAL ENGINEER DATE

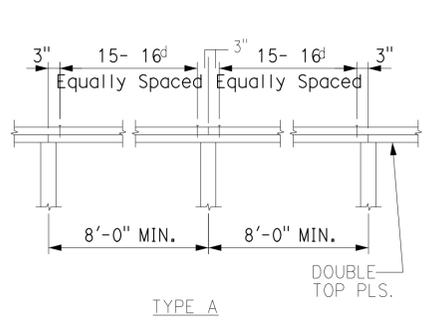
12-09-13
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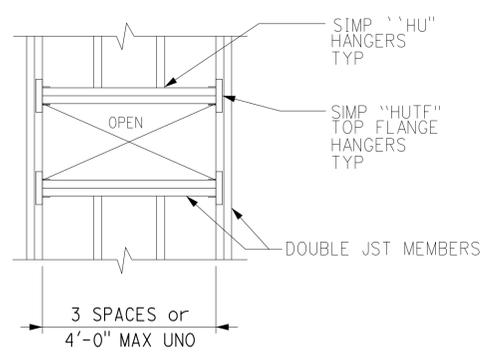
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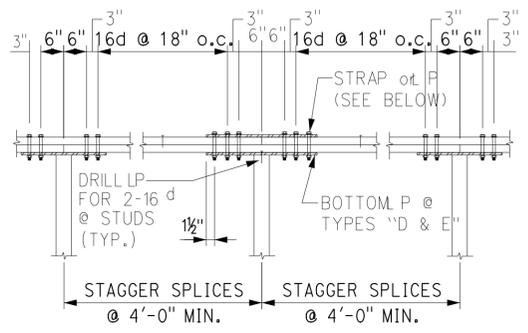
1 TYP. BLOCKING AT WALL
1" = 1'-0"



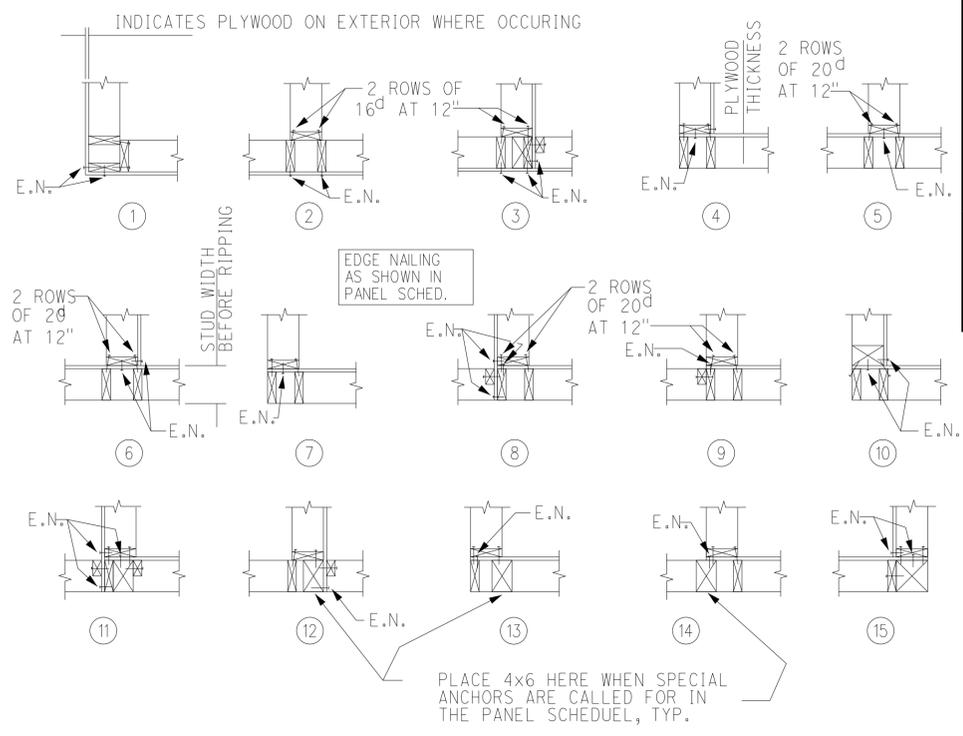
- NOTES:
1. Splice pls. over \bar{c} post, stud, or mullion only.
 2. Schedule gives number and size of bolts required at each side of splice



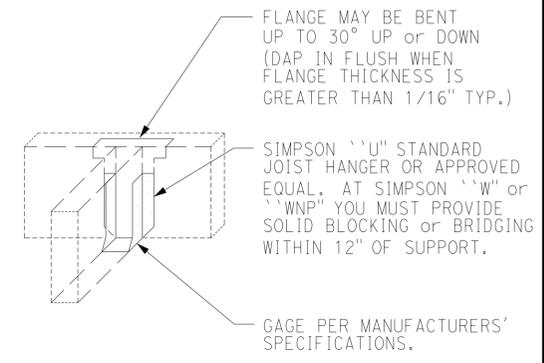
2 HEADER DETAIL AT COMPUTER CASEWORK
1" = 1'-0"



- TYPE 'B' - MST60 STRAP w/ NAILS
 TYPE 'C' - 1/8 x 3" WIDE TOP P w/ 3- 3/4" \bar{c} BOLTS
 TYPE 'D' - 1/8 x 3" WIDE TOP & BOTTOM P w/ 2- 3/4" \bar{c} BOLTS
 TYPE 'E' - 3/16 x 3" WIDE TOP & BOTTOM P w/ 3- 3/4" \bar{c} BOLTS

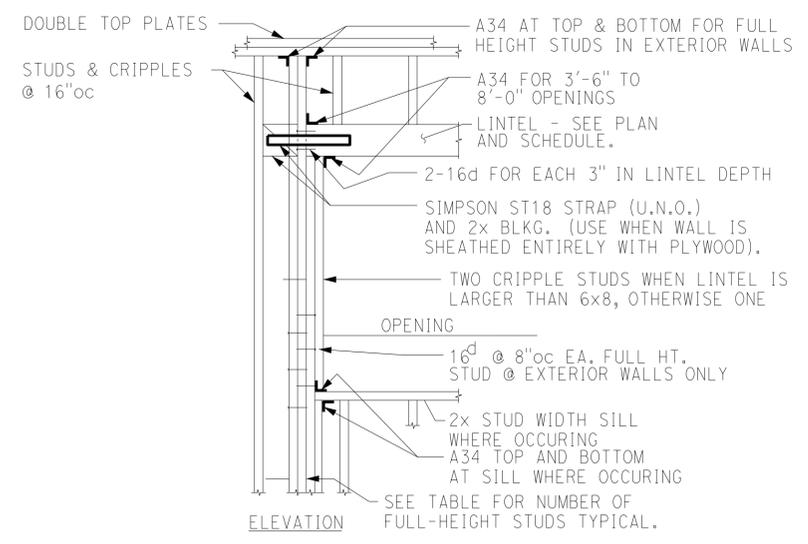


- NOTES:
1. Plywood shown shall be as noted and detailed elsewhere- see panel schedule for edge nailing as indicated above. Studs in direct contact shall be nailed together with 16d @ 12" to each stud (stagger if possible). Studs separated by plywood shall be nailed with 20d @ 12" to each stud (stagger if possible), unless otherwise noted. Predrill all 20d nails.
 2. Framing may be ripped at plywood panels. See panel schedule.



- NOTE:
1. This type of hanger to be used typical where applicable unless noted or shown otherwise on the plans and details. Use size and type of nails as required by manufacturer and fully drive in all nails.

3 TYP. TOP PLATES SPLICE DETAILS
1" = 1'-0"



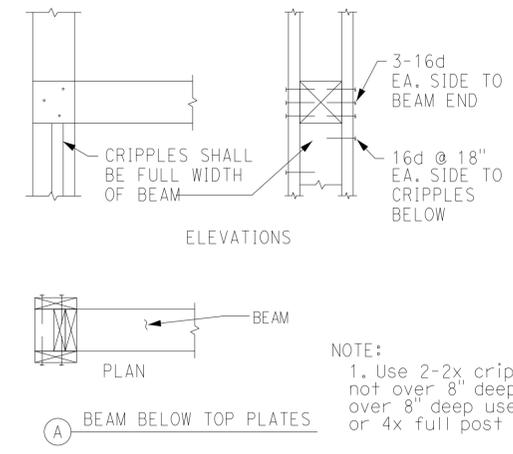
LINTEL SCHEDULE			
BEARING AND EXTERIOR WALLS		NON-BEARING WALLS	
OPENING WIDTH	LINTEL SIZE	OPENING WIDTH	LINTEL SIZE
6'-0" or LESS	6x6	8'-0" or LESS	6x6
6'-1" TO 8'-0"	6x8	8'-1" TO 12'-0"	6x8
8'-1" TO 10'-0"	6x10		

NOTE: Use 4x lintel members in 2x4 stud walls

OPENING WIDTH	NUMBER OF FULL-HEIGHT STUDS		
	ALL EXTERIOR WALLS	INTERIOR BEARING WALLS	INTERIOR NON-BEARING WALLS
7'-0" or LESS	2	2	1
7'-1" TO 10'-0"	3	2	1
OVER 10'-0"	4	2	1

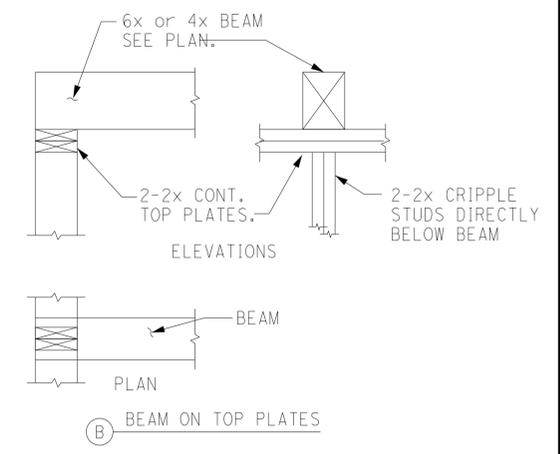
- NOTE:
1. Omit full-ht. studs where post for holdown anchor occurs. See plan and typical holdown detail.

4 TYP. STUD WALL CORNERS AND INTERSECTIONS
1" = 1'-0"



- NOTE:
1. Use 2-2x cripples for beams not over 8" deep. When beam is over 8" deep use a 4x cripple or 4x full post minimum.

5 TYP. JOIST HANGER DETAIL
1" = 1'-0"



6 TYP. STUD WALL OPENING DETAIL
1" = 1'-0"

7 TYP. SUPPORT FROM BEAM ENDS AT STUD WALLS
1" = 1'-0"

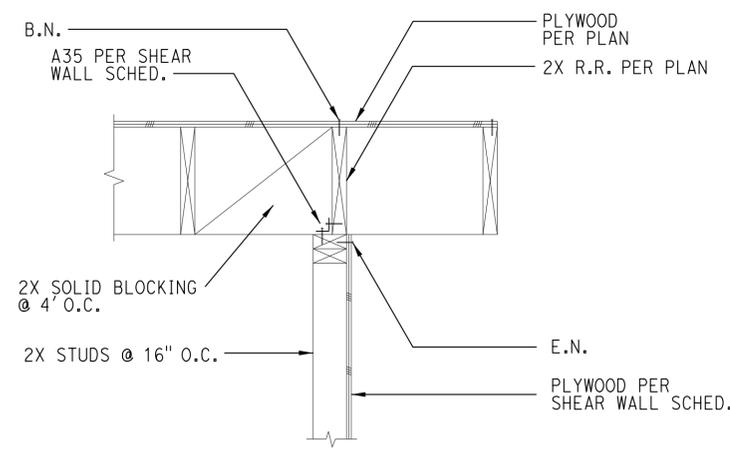
st-10.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET	OF
	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			POST MILE	51.53		TYPICAL WOOD DETAILS	X
28-JAN-2014 13:34	QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	UNIT PROJECT NUMBER & PHASE	3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	X	X

CSFM FILE NO. ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3599 11000002771 EA 11-275601

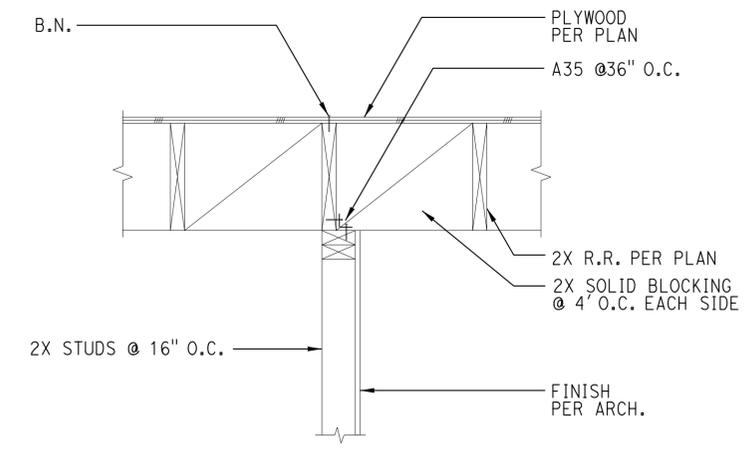
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	35	59

1-04-13
 REGISTERED STRUCTURAL ENGINEER DATE
 12-09-13
 PLANS APPROVAL DATE
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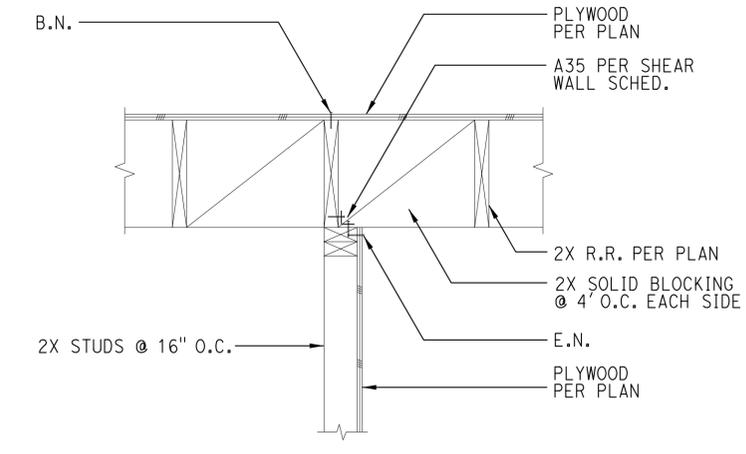
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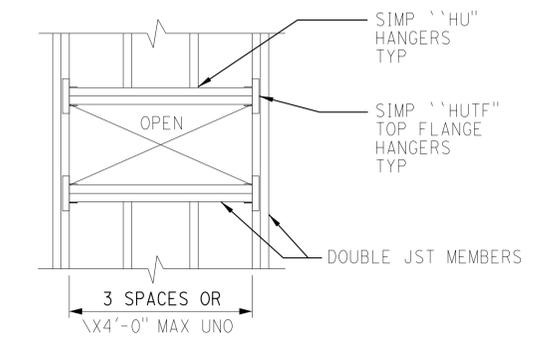
1 SHEAR TRANSFER
 NO SCALE



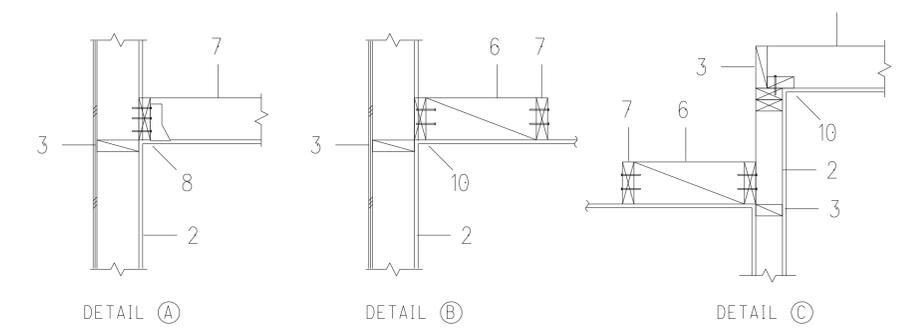
2 DETAIL
 NO SCALE



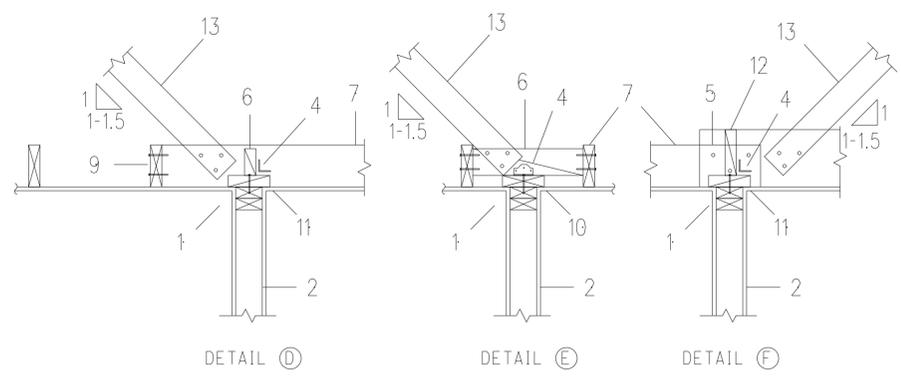
3 SHEAR TRANSFER
 NO SCALE



5 TYP. HORIZONTAL FRAMING AT OPENING (UNO)
 NO SCALE



- NOTES:
- 2- 2 x cont. top plates
 - 2x studs @ 16"o.c. see wall section for size
 - 2x blkg. full depth
 - Simp. "A34" one side per blk
 - Lap joist 8" min. and face nail with 3-16d
 - 2x (joist depth) blkg. @ 24" w/ 2-16d @ 3" o.c. T.N. to ledger
 - 2x ceiling joist w/ simp. "LU," See sched'l for size and spacing (UNO)
 - 2x ledger see sched'l for nailing
 - Extend joint to perpendicular joist
 - 2x cont. w/ 16d @ 12"
 - 2x blkg. w/ 2- 16d face nail & to PL's.
 - 2x (joist depth) cont. blkg. w/ 2-16d t.n. ea. end
 - 2x6 diag. brace @ 48" w/ 3-16d ea. end connect top to roof joists or 2x (joists depth) blocking



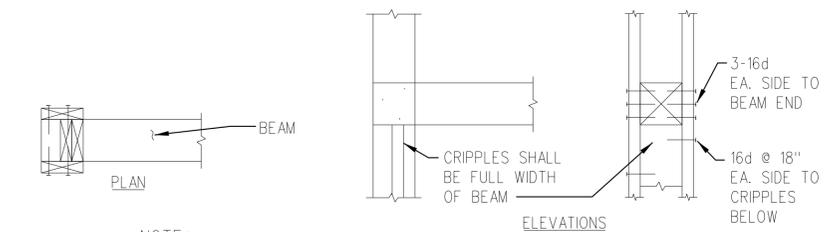
4 CEILING FRAMING AT STUD WALLS
 NO SCALE

CEILING JOIST SCHED'L.

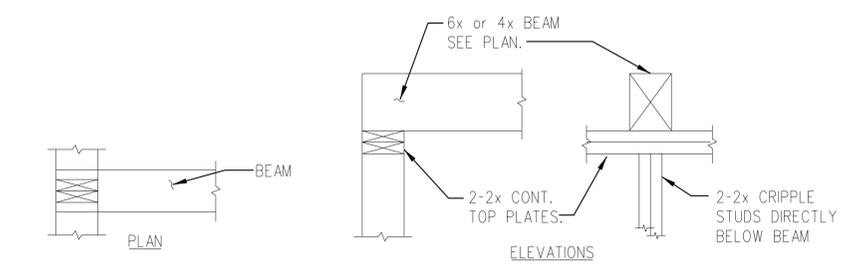
CLEAR SPAN OF JOIST	JOIST SIZE		LEDGER NAILS
	INTERIOR	EXTERIOR	
UP TO 8'-0"	2x4 #1 @ 16"	2x6 #1 @ 16"	2- 16d
8'-1" TO 12'-0"	2x6 #1 @ 16"	2x8 #1 @ 16"	3- 16d
12'-1" TO 18'-0"	2x8 #1 @ 16"	2x10 #1 @ 16"	4- 16d
18'-1" TO 22'-0"	2x10 #1 @ 16"	2x12 #1 @ 16"	4- 16d

INTERIOR LOADS: DL= 5, LL= 10 (PSF)

- NOTES:
- Where gypbd. or plywd. is cont. past ceiling, run behind ledger, and use simp. "SDS 1/4" instead of 16d (2" embed. into stud)
 - See arch. plans for ceiling locations



6 TYP. SUPPORT FOR BEAM ENDS AT STUD WALLS-BEAM BELOW TOP PLATES DETAILS
 NO SCALE

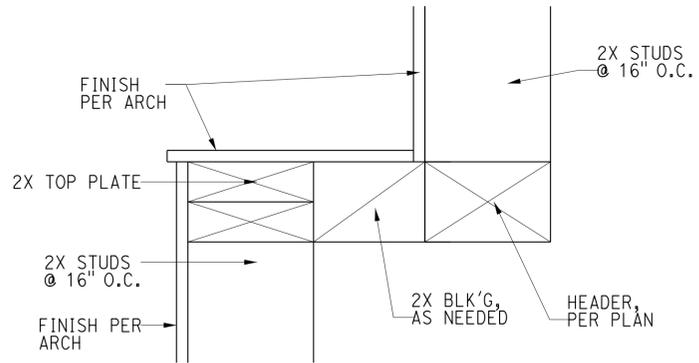


7 TYP. SUPPORT FOR BEAM ENDS AT STUD WALLS-BEAM ON TOP PLATES DETAILS
 NO SCALE

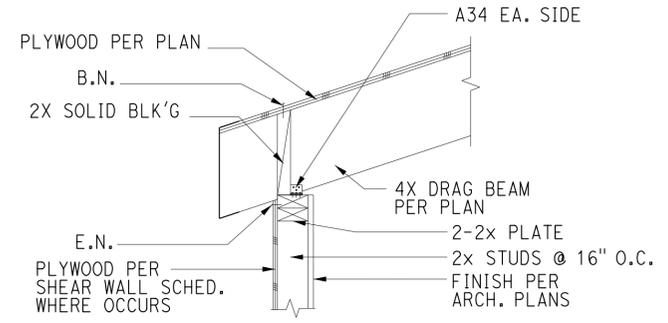
st-12.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY Peyman S. Moghadam	CHECKED Arif H. Shamin	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY	SHEET	OF ST-12
	DETAILS	BY Peyman S. Moghadam	CHECKED Arif H. Shamin			POST MILE			51.53	
QUANTITIES	BY Peyman S. Moghadam	CHECKED Arif H. Shamin		UNIT PROJECT NUMBER & PHASE	3599 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	08-15-12 09-28-12 11-30-12 01-04-13 4-12-13 5-24-13 6-26-13 7-16-13	SHEET	OF
28-JAN-2014 13:34	CSFM FILE NO.	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	EA 11-275601					X	X

NAILING SCHEDULE	
CONNECTION	NAILING
1. JOIST TO SILL OR GIRDER, TOENAIL	3-8d
2. BRIDGING TO JOIST, TOENAIL EACH END	2-8d
3. 1" X 6" (25mm X 152mm) SUBFLOOR OR LESS TO EACH JOIST, FACE NAIL	2-8d
4. WIDER THAN 1" X 6" (25mm X 152mm) SUBFLOOR TO EACH JOIST, FACE NAIL	3-8d
5. 2" (51mm) SUBFLOOR TO JOIST OR GIRDER, BLIND AND FACE NAIL	2-16d
6. SOLE PLATE TO JOIST OR BLOCKING, TYPICAL FACE NAIL	16d AT 16" (406mm) oc
SOLE PLATE TO JOIST OR BLOCKING, AT BRACED WALL PANELS	3-16d PER 16"(406 mm)
7. TOP PLATE TO STUD, END NAIL	2-16d
8. STUD TO SOLE PLATE	4-8d, TOENAIL OR 2-16d, END NAIL
9. DOUBLE STUDS, FACE NAIL	16d AT 24" (610mm) oc
10. DOUBLE TOP PLATES, TYPICAL FACE NAIL	16d AT 16" (406mm) oc
DOUBLE TOP PLATES, LAP SPLICE	8-16d
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE, TOENAIL	3-8d
12. RIM JOIST TO TOP PLATE, TOENAIL	8d AT 6" (152mm) oc
13. TOP PLATES, LAPS AND INTERSECTIONS, FACE NAIL	2-16d
14. CONTINUOUS HEADER, TWO PIECES	16d AT 16" (406mm) o.c. ALONG EACH EDGE
15. CEILING JOISTS TO PLATE, TOENAIL	3-8d
16. CONTINUOUS HEADER TO STUD, TOENAIL	4-8d
17. CEILING JOIST, LAPS OVER PARTITIONS, FACE NAIL	3-16d
18. CEILING JOISTS TO PARALLEL RAFTERS, FACE NAIL	3-16d
19. RAFTER TO PLATE, TOENAIL	3-8d
20. 1" (25mm) BRACE TO EACH STUD AND PLATE, FACE NAIL	2-8d
21. 1" X 8" (25mm X 203mm) SHEATHING OR LESS TO EACH BEARING, FACE NAIL	2-8d
22. WIDER THAN 1" X 8" (25mm X 203mm) SHEATHING TO EACH BEARING, FACE NAIL	3-8d
23. BUILT-UP CORNER STUDS	16d AT 24" (610mm) oc
24. BUILT-UP GIRDER AND BEAMS	20d AT 32" (813mm) oc AT TOP AND BOTTOM AND STAGGERED 2-20d AT ENDS AND AT EACH SPLICE
25. 2" (51mm) PLANKS	2-16d AT EACH BEARING
26. WOOD STRUCTURAL PANELS AND PARTICLEBOARD: 2 SUBFLOOR AND WALL SHEATHING (TO FRAMING): 1/2" (12.7mm) AND LESS 19/32"-3/4" (15mm-19mm) 7/8"-1" (22mm-25mm) 1 1/8"-1 1/4" (29mm-32mm) COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING): 3/4" (19mm) AND LESS 7/8"-1" (22mm-25mm) 1 1/8"-1 1/4" (29mm-32mm)	6d ³ 8d ⁴ AND 6d ⁵ 8d ³ 10d ⁴ or 8d ⁵ 6d ⁵ 8d ⁵ 10d ⁴ or 8d ⁵
27. PANEL SIDING (TO FRAMING) : 2 1/2" (12.7mm) OR LESS 5/8" (16mm)	6d ⁶ 8d ⁶
28. FIBERBOARD SHEATHING: 7 1/2" (12.7mm) 25/32" (20mm)	NO.11 ga 8 6d ⁴ NO.16 ga 9 NO.11 ga 8 8d ⁴ NO.16 ga 9
29. INTERIOR PANELING 1/4" (6.4mm) 3/8" (9.5mm)	4d ¹⁰ 6d ¹¹

1 TYP. NAILING SCHEDULE
NO SCALE



2 HEADER DETAIL AT COMPUTER CASEWORK
NO SCALE



3 SHEAR TRANSFER
NO SCALE

NOTES :

- This nailing schedule shall only be used if condition is not otherwise detailed or specified on the construction documents. Common nails shall be used except where otherwise stated.
- Nails spaced at 6 inches (152mm) on center at edges, 12 inches (305mm) at intermediate supports except 6 inches (152mm) at all supports where spans are 48 inches (1219mm) or more. For nailing of wood structural panel and particleboard diaphragms and shear walls, refer to sections of the code.
- Common or deformed shank.
- Common.
- Deformed shank.
- Corrosion-resistant siding or casing nails conforming to the requirements of the code.
- Fasteners spaced 3 inches (76mm) on center at exterior edges and 6 inches (152mm) on center at intermediate supports.
- Corrosion-resistant roofing nails with 7/16-inch-diameter (11mm) head and 1 1/2-inch (38mm) length for 1/2-inch (12.7mm) sheathing and 1 3/4-inch (44mm) length for 5/8-inch (16mm) sheathing conforming to the requirements of the code.
- Corrosion-resistant staples with nominal 7/16-inch (11mm) crown and 1 1/8-inch (29mm) length for 1/2-inch (12.7mm) sheathing and 1 1/2-inch (38mm) length for 5/8-inch (16mm) sheathing conforming to the requirements of the code.
- Panel supports at 16 inches (406mm) [20 inches (508 mm) if strength axis direction of the panel, unless otherwise marked]. Casing or finish nails spaced 6 inches (152mm) on panel edges, 12 inches (305mm) at intermediate supports.
- Panel support at 24 inches (610mm). Casing or finish nails spaced 6 inches (152mm) on panel edges, 12 inches (305mm) at intermediate supports.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	36	59

01-04-13
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MECHANICAL LEGENDS

SYMBOL	DESCRIPTION
	PLAN NORTH ARROW
	DETAIL : TOP - DETAIL NUMBER REFERENCE : BOTTOM - DWG. NUMBER
	SECTION : TOP - DETAIL NUMBER REFERENCE : BOTTOM - DWG. NUMBER
	SUPPLY OR OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST AIR DUCT SECTION
	ACOUSTICALLY LINED DUCT (NET INSIDE DIMENSIONS SHOWN)
	FLEXIBLE DUCT CONNECTION
	FIRE DAMPER
	COMBINATION FIRE SMOKE DAMPER
	VOLUME DAMPER (VD)
	BACKDRAFT DAMPER
	SMOKE DETECTOR
	DUCT SIZE (36\"X20\")
	MOTORIZED DAMPER
	INCLINED RISE OR DROP
	DUCT BRANCH W/EXTRACTOR
	PRESSURE FITTING
	DUCT TRANSITION
	DUCT ELBOW W/DOUBLE THICKNESS TURNING VANES
	NECK SIZE, CEILING DIFFUSER, 4 WAY SUPPLY CFM
	NECK SIZE, CEILING RETURN GRILLE RETURN CFM
	NECK SIZE, CEILING EXHAUST GRILLE EXHAUST CFM
	DUCT TRANSITION (SINGLE LINE)
	FLEXIBLE DUCT (SINGLE LINE)
	LIGHT SWITCH
	WALL SWITCH
	THERMOSTAT
	DOOR LOUVER
	DOOR UNDERCUT (1\" UON)
	CONDENSATE DRAIN
	TOP - EXHAUST FAN
	BOTTOM - EQUIPMENT NUMBER

MECHANICAL ABBREVIATIONS

ABS	Acrylonitrile Butadiene Styrene	H	Height
AC	Air Conditioning	HB	Hydrant Box/ Hose Bibb
AFF	Above Finished Floor	H/C	Hot Water, High Pressure Cleaner
AWG	American Wire Gauge	HF	Hose Faucet
		HVAC	Heating, Ventilating And Air Conditioning
BDD	Back Draft Damper	HW	Domestic Hot Water
BFP	Backflow Preventer	HWR	Domestic Hot Water Return
BFV	Butterfly valve	HWS	Domestic Hot Water Supply
BLDG	Building	HZ	Hertz
BTU	British Thermal Unit	ID	Inside Diameter
BTUH	British Thermal Unit Per Hour	IE	Invert Elevation
BV	Balancing Valve	IN	Inch
		IPS	International Pipe Standard
C	Conduit	LAV	Lavatory
CA	Compressed Air	LPG	Liquified Petroleum Gas
CD	Condensate Drain	LS	Light Switch
CFM	Cubic Feet Per Minute	MAX	Maximum
CHWR	Chilled Water Return	MAN	Manhole
CHWS	Chilled Water Supply	MIN	Minimum
CI	Cast-Iron	MS	Mop Sink
CO	Cleanout		
COTF	Cleanout Through Floor	NIC	Not In Contract
COTG	Cleanout Through Grade	NO	Number
COTW	Cleanout To Wall	NPT	National Pipe Thread
CV	Check Valve	NST	National Standard Thread
CW	Cold Water		
D	Depth	OSA	Outside Air
DB	Dry Bulb	OC	On Center
DDC	Direct Digital Control	OD	Outside Diameter
DF	Drinking Fountain	OG	Original Ground
DH	Duct Heater	OS	Occupancy Sensor
DIA	Diameter	PCC	Portland Cement Concrete
DN	Down	PH	Phase
DS	Downspout	POC	Point of Connection
DWG	Drawing	PRV	Pressure Reducing Valve
(E)	Existing	PSI	Pounds Per Square Inch
EA	Exhaust Air	PVC	Polyvinyl Chloride
EEWS	Emergency Eyewash and Shower		
EF	Exhaust Fan	R	Radius
EL	Elevation	RA	Return Air
EWC	Electric Water Cooler	RD	Roof Drain
EWH	Electric Water Heater	RD/O	Roof Drain & Overflow
FAI	Fresh Air Intake	RDO	Roof Drain Overflow Piping
FC	Fan Coil	REG	Register
FD	Floor Drain	RCP	Reinforced Concrete Pipe
FDC	Fire Department Connection	REQ	Required
FE	Fire Extinguisher	RL	Refrigerant Liquid
FG	Finish Grade	RS	Refrigerant Suction
FS	Floor Sink	RV	Relief Valve
FU	Fixture Unit	S/S	Service Sink
FT	Feet	SA	Supply Air
		SCH	Schedule
GA	Gauge	SF	Supply Fan / Square feet
GALV	Galvanized	SHR	Sensible Heat Ratio
GLV	Globe Valve	SOV	Shut-off Valve
GPM	Gallons Per Minute	SP	Static Pressure
GSP	Galvanized Steel Pipe	SQ FT	Square Feet
GV	Gate Valve	SS	Sanitary Sewer/Stainless Steel
GWH	Gas Water Heater		
GYP	Gypsum		

STA	Station	W	Width
STD	Standard	W/	With
TOT	Total	W/O	Without
TP	Trap Primer	WAC	Wall Air Conditioning
TS	Time Switch	WB	Wet Bulb
TU	Terminal Unit	WC	Water Closet
TYP	Typical	W.C.	Water Column
		WG	Water Gauge
		WH	Wall Heater
		WHA	Water Hammer Arrestor
		WMS	Wire Mesh Screen
		WP	Weatherproof
		WS	Wash Sink
		WSP	Welded Steel Pipe

PLUMBING LEGENDS

	Cold Water		Pressure Gauge (with Valve and Snubber)
	Domestic Water		Reducer, Concentric
	Domestic Water (existing)		Strainer
	Fire Water		Union
	Domestic Hot Water		Union, Insulating
	Domestic Hot Water Return		Valve, Ball
	Relief Valve Discharge Pipe		Valve, Balancing
	Roof Drain		Valve, Butterfly
	Sanitary Sewer		Valve, Check
	Sanitary Sewer (existing)		Valve, Gate
	Sanitary Sewer (above grade)		Valve, Pressure Reducing
	Sanitary Sewer (below grade)		Valve, Pressure/Temperature Relief
	Sanitary Sewer Vent		Water Hammer Arrestor
	Cap, Threaded		Utility line to be demolished
	Elbow, Turned Down		Point of Connection
	Elbow, Turned Up		Trap Primer
	Flexible Connection		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	37	59

REGISTERED MECHANICAL ENGINEER DATE 01-04-13
 No. M-22289
 Exp. 12-31-15
 MECH
 STATE OF CALIFORNIA

12-09-13
 PLANS APPROVAL DATE
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 1055 WEST 7th STREET., SUITE 3150
 LOS ANGELES, CA. 90017-2577

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PIPE FITTINGS AND VALVES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	38	59


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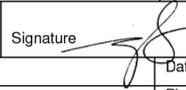
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PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 1 of 3) PERF-1C

Project Name: Rainbow Truck Inspection Facility Date: 10/23/2012
 Project Address: Rainbow Valley Blvd W Temecula Climate Zone: CA Climate Zone 10 Total Cond. Floor Area: 339 Addition Floor Area: n/a

GENERAL INFORMATION
 Building Type: Nonresidential High-Rise Residential Hotel/Motel Guest Room
 Relocatable - indicate specific climate zone all climates
 Phase of Construction: New Construction Addition Alteration

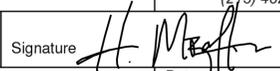
STATEMENT OF COMPLIANCE
 This certificate of compliance lists the building features and specifications needed to comply with Title 24, Parts 1 and 6 of the California Code of Regulations. This certificate applies only to a Building using the performance compliance approach.
 The documentation author hereby certifies that the documentation is accurate and complete.

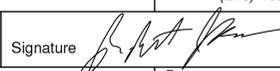
Documentation Author
 Name: Gelito Ocdamia Signature:  Date: 10/23/2012
 Company: STV Incorporated Address: 1055 West 7th Street Phone: (213) 482-9444
 City/State/Zip: Los Angeles, CA 90017

The Principal Designer hereby certifies that the proposed building design represented in this set of construction documents is consistent with the other compliance forms and worksheets, with the specifications, and with any other calculations submitted with this permit application. The proposed building has been designed to meet the energy efficiency requirements contained in sections 110, 116 through 118, and 140 through 149 of Title 24, Part 6. Please check one:

ENV. LTG. MECH.
 I hereby affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code to sign this document as the person responsible for its preparation; and that I am licensed in the State of California as a civil engineer, mechanical engineer, electrical engineer, or I am a licensed architect.
 I affirm that I am eligible under the provisions of Division 3 of the Business and Professions Code by section 5537.2 or 6737.3 to sign this document as the person responsible for its preparation; and that I am a licensed contractor performing this work.
 I affirm that I am eligible under Division 3 of the Business and Professions Code to sign this document because it pertains to a structure or type of work described as exempt pursuant to Business and Professions Code Sections 5537, 5538 and 6737.1.

Principal Envelope Designer
 Name: Mark Peterson Signature:  Date: 01-04-13
 Company: STV Incorporated Address: 1055 West 7th Street License #: C-25229
 City/State/Zip: Los Angeles, CA 90017 Phone: (213) 482-9444

Principal Mechanical Designer
 Name: Hooshang Mozaafari Signature:  Date: 01-04-13
 Company: STV Incorporated Address: 1055 West 7th Street License #: M-22289
 City/State/Zip: Los Angeles, CA 90017 Phone: (213) 482-9444

Principal Lighting Designer
 Name: Robert Fee Signature:  Date: 01-04-13
 Company: STV Incorporated Address: 9130 Anaheim Place, Suite 210 License #: E-13014
 City/State/Zip: Rancho Cucamonga, CA 91730 Phone: (909) 484-0660

INSTRUCTIONS TO APPLICANT COMPLIANCE & WORKSHEETS (check box if worksheets are included)
 ENV-1C Certificate of Compliance. Required on plans. MECH-1C Certificate of Compliance. Required on plans.
 LTG-1C Certificate of Compliance. Required on plans. MECH-2C Air/Water Side/Service Hot Water & Pool Requirements.
 LTG-2C Lighting Controls Credit Worksheet. MECH-3C Mechanical Ventilation and Reheat.
 LTG-3C Indoor Lighting Power Allowance. MECH-5C Mechanical Equipment Details.

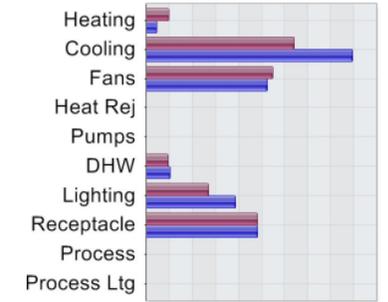
PERFORMANCE CERTIFICATE OF COMPLIANCE (Part 2 of 3) PERF-1C

Project Name: Rainbow Truck Inspection Facility Date: 10/23/2012

ANNUAL TDV ENERGY USE SUMMARY (kBtu/sqft-yr)

Energy Component	Standard Design	Proposed Design	Compliance Margin
Space Heating	9.20	19.55	-10.35
Space Cooling	178.68	128.00	50.69
Indoor Fans	104.62	109.30	-4.68
Heat Rejection	0.00	0.00	0.00
Pumps & Misc.	0.00	0.00	0.00
Domestic Hot Water	20.55	19.31	1.24
Lighting	77.14	53.80	23.33
Receptacle	96.47	96.47	0.00
Process	0.00	0.00	0.00
Process Lighting	0.00	0.00	0.00
TOTALS	486.66	426.44	60.22

Percent better than Standard: 12.4% (12.4% excluding process)



BUILDING COMPLIES

GENERAL INFORMATION

Building Orientation	(S) 180 deg	Conditioned Floor Area	339 sqft.
Number of Stories	1	Unconditioned Floor Area	0 sqft.
Number of Systems	1	Conditioned Footprint Area	339 sqft.
Number of Zones	3	Natural Gas Available On Site	Yes

	Orientation	Gross Area	Glazing Area	Glazing Ratio
Front Elevation	(S)	455 sqft.	60 sqft.	13.2 %
Left Elevation	(W)	75 sqft.	10 sqft.	13.3 %
Rear Elevation	(N)	182 sqft.	20 sqft.	11.0 %
Right Elevation	(E)	166 sqft.	10 sqft.	6.0 %
Roof	Total	878 sqft.	100 sqft.	11.4 %
		339 sqft.	0 sqft.	0.0 %

	Standard	Proposed	Prescriptive Values for Comparison only. See LTG-1C for allowed LPD.
Prescriptive Lighting Power Density	1.100 W/sqft.	0.767 W/sqft.	
Prescriptive Envelope TDV Energy	28,836	31,163	

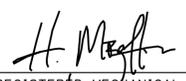
Remarks:

EnergyPro 5.1 by EnergySoft User Number: 3024 RunCode: 2012-10-23T15:05:51 ID: 4015551 Page 4 of 24

m-2.dgn TAEMWW imperial Rev. 7/10 29-JAN-2014 08:41	DESIGN BY	Gelito Ocdamia	CHECKED	Hooshang Mozaafari	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY HVAC ENERGY FORMS	SHEET	M-2
	DETAILS BY	Gelito Ocdamia	CHECKED	Hooshang Mozaafari		ARCHITECTURAL AND STRUCTURAL DESIGN	48M5710		POST MILE	
	QUANTITIES BY	Gelito Ocdamia	CHECKED	Hooshang Mozaafari		51.53	51.53			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	UNIT PROJECT NUMBER & PHASE	3580 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
										08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-12-13 05-24-13 06-28-13

29-JAN-2014 08:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	41	59

 01-04-13
 REGISTERED MECHANICAL ENGINEER DATE



12-09-13
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Reviewed by: 

Approval date: 4-7-13

AIR COOLED OUTDOOR HEAT PUMP UNIT SCHEDULE

SYMBOL	LOCATION	UNIT SERVED	AMBIENT TEMP (°F)	CONDENSING TEMP (°F)	EER	COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	HSPF	COMPRESSOR DATA		ELECTRICAL DATA			REFRIGERANT	MAX NOISE LEVEL (dBA)	WEIGHT (LBS)	REMARKS
									QTY	TYPE	MCA	MAX FUSE SIZE (AMP)	VOLT/PH/HZ				
	OUTSIDE AT GRADE	FC-1, FC-2, FC-3	100	45	11.2	29.0	30.6	9.3	1	DC INVERTER	11.4	20	240/1/60	R-410A	55	181	①

① COMPLETE WITH ALL ACCESSORIES, AND BRACKETS TO MOUNT ON CONCRETE PAD OUTDOORS.

INDOOR CEILING CASSETTE FAN COIL UNIT SCHEDULE

SYMBOL	LOCATION	AREA SERVED	FAN DATA			COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	MOTOR DATA			MAX NOISE LEVEL (dBA)	WEIGHT (LBS)	REMARKS
			CFM	OSA	ESP (IN WC)			WATTS	AMPS	VOLT/PH/HZ			
	CEILING	SERGEANT OFFICE	220	50	0.5	9.0	12.3	18	0.10	240/1/60	34	42	①
	CEILING	CVIS OFFICE	220	50	0.5	9.0	12.3	18	0.10	240/1/60	34	42	①
	CEILING	BRIEFING ROOM	400	100	0.5	17.5	20.4	27	0.15	240/1/60	44	42	①

① COMPLETE WITH MODEL CZ-18BTIU CEILING GRILLE, BRACKETS FOR RECESSED CEILING MOUNT, REMOTE CONTROL PANEL FOR WALL MOUNT, AND CONDENSATE PUMP.

FAN SCHEDULE

SYMBOL	LOCATION	AREA SERVED	CFM	SP (IN WG)	TYPE	DRIVE	RPM	WATTS	VOLT/PH/HZ	MAX NOISE LEVEL (SONES)	WEIGHT (LBS)	REMARKS
	CEILING	UNISEX RESTROOM	70	0.25	CEILING CENTRIFUGAL	DIRECT	1000	59	115/1/60	2.2	15	CONTROLLED BY LIGHT SWITCH ①
	CEILING	STORAGE	70	0.25	CEILING CENTRIFUGAL	DIRECT	1000	59	115/1/60	2.2	15	CONTROLLED BY ROOM THERMOSTAT ①
	CEILING	ELECTRICAL ROOM	200	0.25	CEILING CENTRIFUGAL	DIRECT	1400	185	115/1/60	6.7	16	CONTROLLED BY ROOM THERMOSTAT ①

① COMPLETE WITH CEILING GRILLE AND BRACKETS FOR RECESSED CEILING MOUNT, AND MODEL RJR-100 ROOF JACK ON A ROOF CURB.

m-5.dgn TAEMWW imperial Rev. 7/10 29-JAN-2014 08:41	DESIGN BY Gelito Ocdamia CHECKED Hooshang Mozaffari	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY HVAC EQUIPMENT SCHEDULES	SHEET M-5 OF
	DETAILS BY Gelito Ocdamia CHECKED Hooshang Mozaffari		PROJECT NUMBER & PHASE 3580 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-12-13 05-24-13 06-28-13

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

EA 11-275601

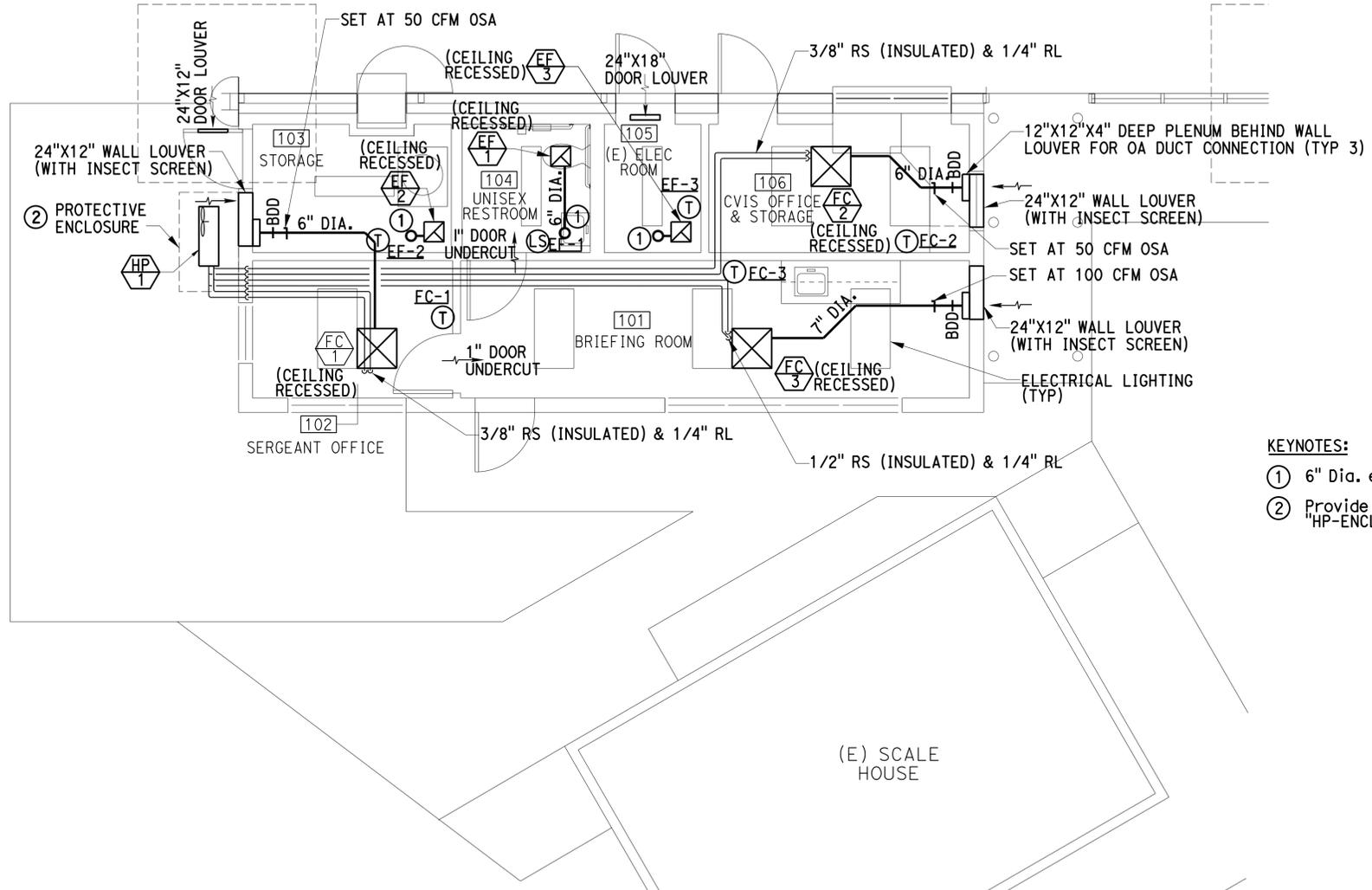
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	42	59

 01-04-13
 REGISTERED MECHANICAL ENGINEER DATE
 REGISTERED PROFESSIONAL ENGINEER
 H. MOZAFFARI
 No. M-22289
 Exp. 12-31-15
 MECH
 STATE OF CALIFORNIA

12-09-13
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- KEYNOTES:**
- ① 6" Dia. exhaust air duct up thru roof with roof jack. See detail 2/M-7.
 - ② Provide protective bollards for the HP-1 Unit. See 4/A-14 "HP-ENCLOSURE" for detail.

1 HVAC FLOOR PLAN
 1/4" = 1'-0"



m-6.dgn TAEMWW imperial Rev. 7/10 29-JAN-2014 08:41	DESIGN BY Gelito Ocdamia	CHECKED Hooshang Mozaffari	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY HVAC FLOOR PLAN	SHEET M-6
	DETAILS BY Gelito Ocdamia	CHECKED Hooshang Mozaffari		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		OF
	QUANTITIES BY Gelito Ocdamia	CHECKED Hooshang Mozaffari		UNIT PROJECT NUMBER & PHASE 3580 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-12-13 05-24-13 06-28-13	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	EA 11-275601			

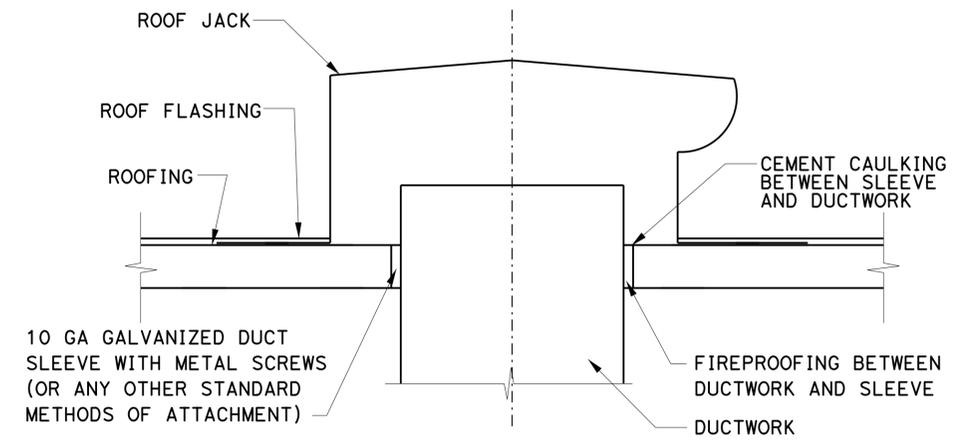
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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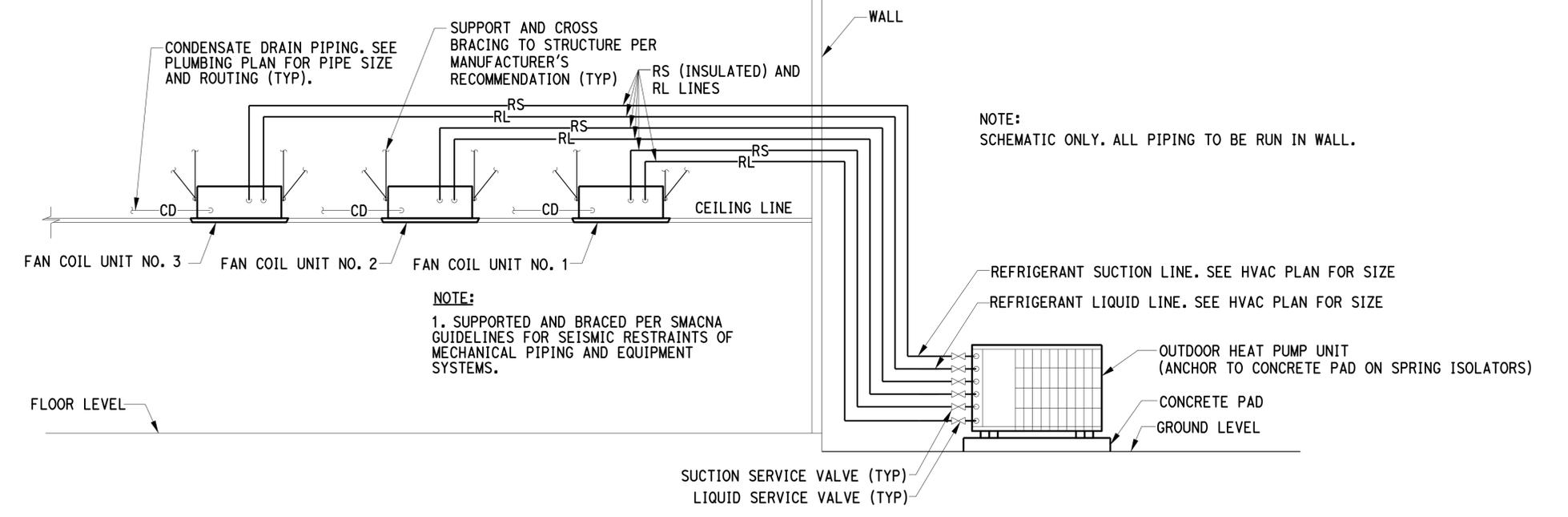
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2 DUCT PENETRATION THRU ROOF DETAIL
 SCALE: NTS



1 SPLIT AIR CONDITIONING SYSTEM DETAIL
 SCALE: NTS

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	DETAILS BY Gelito Ocdamia	CHECKED Hooshang Mozaffari		UNIT PROJECT NUMBER & PHASE 3580 11000002771	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY)
	QUANTITIES BY Gelito Ocdamia	CHECKED Hooshang Mozaffari	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-12-13 05-24-13 06-28-13		

29-JAN-2014 08:41

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H. Mozaffari
 REGISTERED MECHANICAL ENGINEER DATE 01-04-13
 H. MOZAFFARI
 No. M-22289
 Exp. 12-31-15
 MECH
 STATE OF CALIFORNIA

AIR COMPRESSOR SCHEDULE

SYMBOL	LOCATION	AREA SERVED	CAPACITY CFM	MOTOR DATA		TYPE	DISCHARGE PRESSURE (PSI)	OVERALL DIMENSIONS (IN)			WEIGHT (LBS)	REMARKS
				HP	VOLT/PH			WIDTH	DEPTH	HEIGHT		
	103 -STORAGE	INSPECTION BAY	7.0	2	240/1	DUPLEX RECIPROCATING	125	36	30	69	550	UNIT COMPLETE WITH VERTICAL 80 GALLON TANK, AUTO-DRAIN VALVE, AFTER COOLER AND COMBINATION DELUX MOUNTED AND WIRED ALTERNATOR AND NEMA 1 ENCLOSURE.

NOTE: BOLT DOWN THE UNIT TO CONCRETE FLOOR.

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PIPE MATERIAL SCHEDULE

SERVICE	PIPE	FITTINGS
HOT AND COLD WATER	COPPER TYPE "L" HARD DRAWN	WROUGHT COPPER
SANITARY SEWER	CAST IRON HUBLESS	CAST IRON HUBLESS
VENT PIPING	CAST IRON HUBLESS	CAST IRON HUBLESS

FIXTURE SCHEDULE

TAG NO.	DESCRIPTION	CONNECTION SIZE (IN)				REMARKS
		SUPPLY		WASTE/ DRAIN	VENT	
		CW	HW			
	ACCESSIBLE WATER CLOSET (ELECTRONIC SENSOR FLUSH VALVE), VITREOUS CHINA, FLOOR MOUNTED, 17" HIGH BOWL, AT 1.28 GALLONS PER FLUSH.	1-1/2	-	4	2	
	ADA TYPE 20"X18" SIZE, VITREOUS CHINA, 4" CENTER FAUCET. (METERED) 0.5 GPM. W/ MIXING VALVE.	3/4	3/4	1-1/2	2	
	KITCHEN SINK, ADA TYPE, STAINLESS STEEL WITH GARBAGE DISPOSAL.	3/4	3/4	2	1-1/2	
	WATER HAMMER ARRESTOR	3/4	-	-	-	WITH SS ACCESS PANEL
	FLOOR DRAIN	-	-	2	1-1/2	PROVIDE TRAP-PRIMER
	FLOOR SINK, ACID RESISTANT COATED, WITH SQUARE NICKLE BRONZE TOP AND DOME BOTTOM STRAINER	-	-	3	1-1/2	PROVIDE TRAP-PRIMER
	TRAP PRIMER	1/2	-	-	-	WITH SS ACCESS PANEL

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 Reviewed by: *[Signature]*
 Approval date: 4-7-13

DOMESTIC WATER HEATER SCHEDULE

SYMBOL	LOCATION	INPUT (KW)	1ST HOUR GALLON AT 80° RISE	ELECTRICAL (VOLT/PH)	OPERATING WEIGHT (LBS)	CAPACITY (GALLONS)	REMARKS
	L-1 LAVATORY	1.5	8.6	120/1	35	2	ELECTRIC
	K-1 KITCHEN SINK	1.5	10.4	120/1	50	4	ELECTRIC

DESIGN BY	Gelito Ocdamia	CHECKED	Hooshang Mozaffari
DETAILS BY	Gelito Ocdamia	CHECKED	Hooshang Mozaffari
QUANTITIES BY	Gelito Ocdamia	CHECKED	Hooshang Mozaffari

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	48M5710
POST MILE	51.53

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY PLUMBING SCHEDULES

SHEET **MP-1**

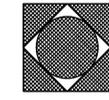
29-JAN-2014 08:41

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	45	59



 H. Mozaffari
 REGISTERED MECHANICAL ENGINEER
 DATE 01-04-13
 PLANS APPROVAL DATE 12-09-13

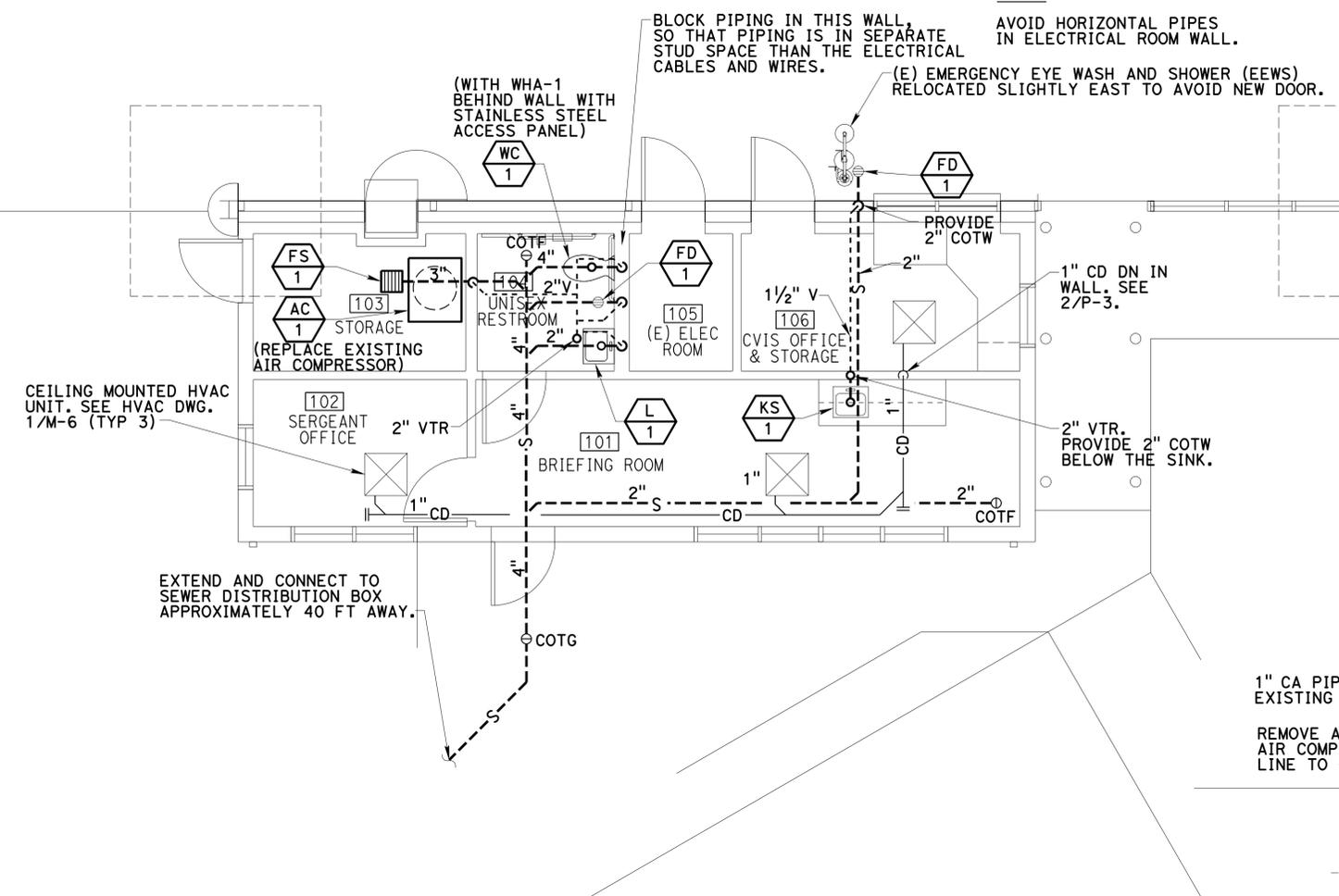
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 1055 WEST 7th STREET., SUITE 3150
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 Reviewed by: 
 Approval date: 4-7-13

NOTE:

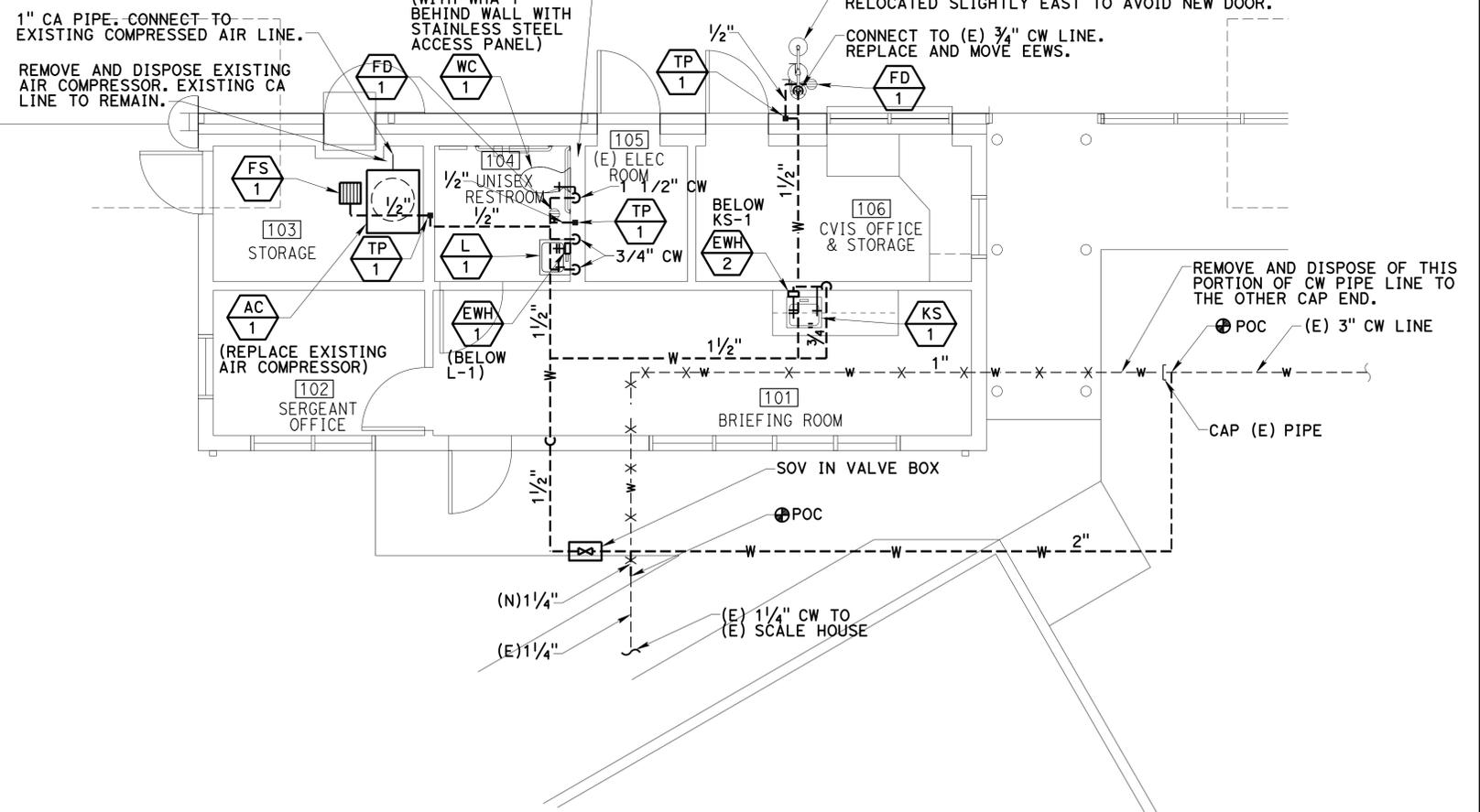
BLOCK PIPING IN THIS WALL, SO THAT PIPING IS IN SEPARATE STUD SPACE THAN THE ELECTRICAL CABLES AND WIRES.
 AVOID HORIZONTAL PIPES IN ELECTRICAL ROOM WALL.
 (E) EMERGENCY EYE WASH AND SHOWER (EWS) RELOCATED SLIGHTLY EAST TO AVOID NEW DOOR.



2 WASTE AND VENT FLOOR PLAN
 1/4" = 1'-0"

NOTE:

AVOID HORIZONTAL PIPES IN ELECTRICAL ROOM WALL.
 BLOCK PIPING IN THIS WALL, SO THAT PIPING IS IN SEPARATE STUD SPACE THAN THE ELECTRICAL CABLES AND WIRES.
 (E) EMERGENCY EYE WASH AND SHOWER (EWS) RELOCATED SLIGHTLY EAST TO AVOID NEW DOOR.



1 HOT & COLD WATER AND COMPRESSED AIR FLOOR PLAN
 1/4" = 1'-0"

DESIGN	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari
DETAILS	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari
QUANTITIES	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari

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

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY PLUMBING FLOOR PLANS
 BRIDGE NO. 48M5710
 POST MILE 51.53

SHEET **MP-2** OF

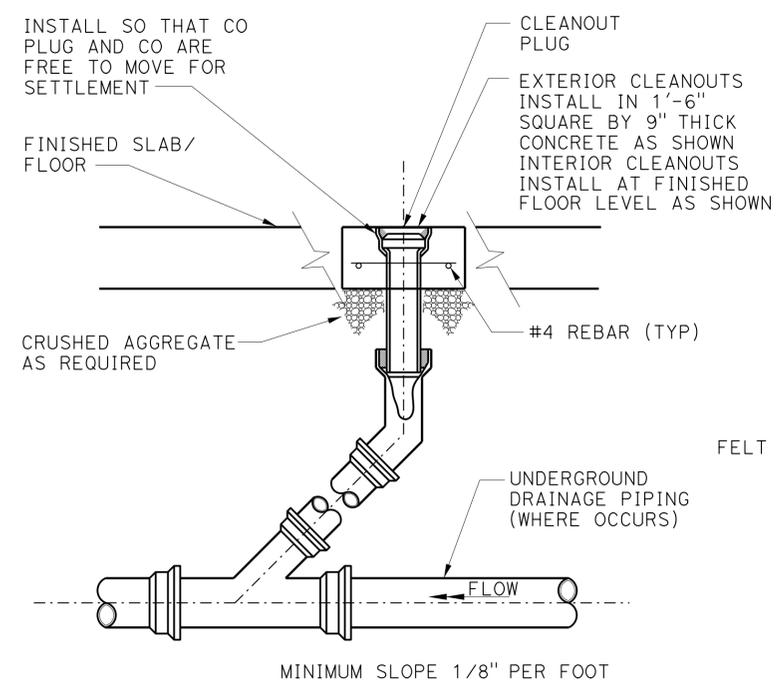
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	46	59

H. Moazzafari
 REGISTERED MECHANICAL ENGINEER
 No. M-22289
 Exp. 12-31-15
 MECH
 STATE OF CALIFORNIA

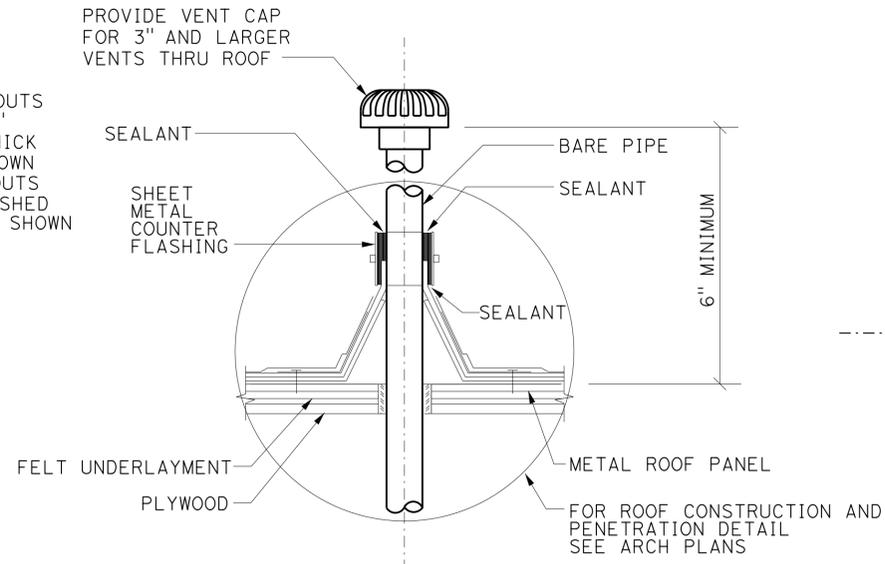
01-04-13
 DATE
 12-09-13
 PLANS APPROVAL DATE

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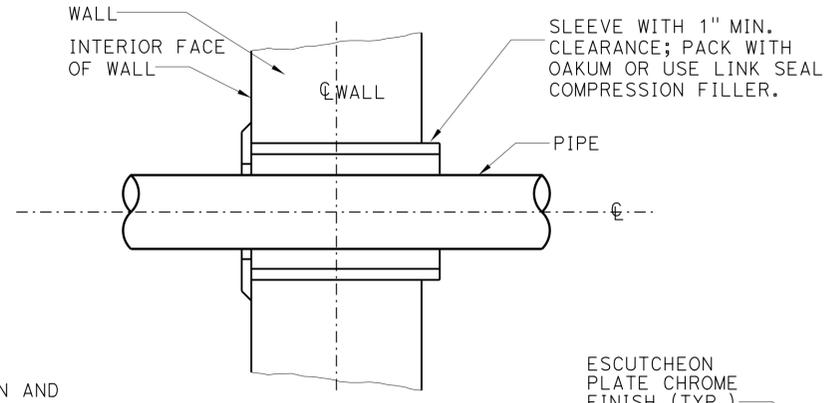
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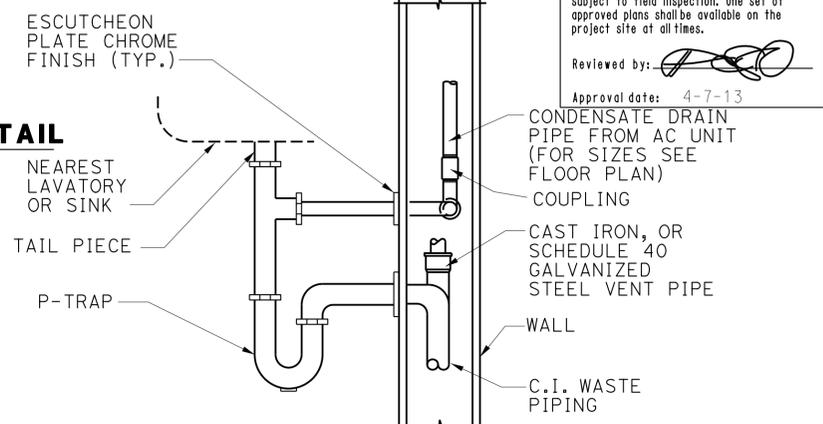
8 VENT THRU ROOF DETAIL
SCALE: NTS



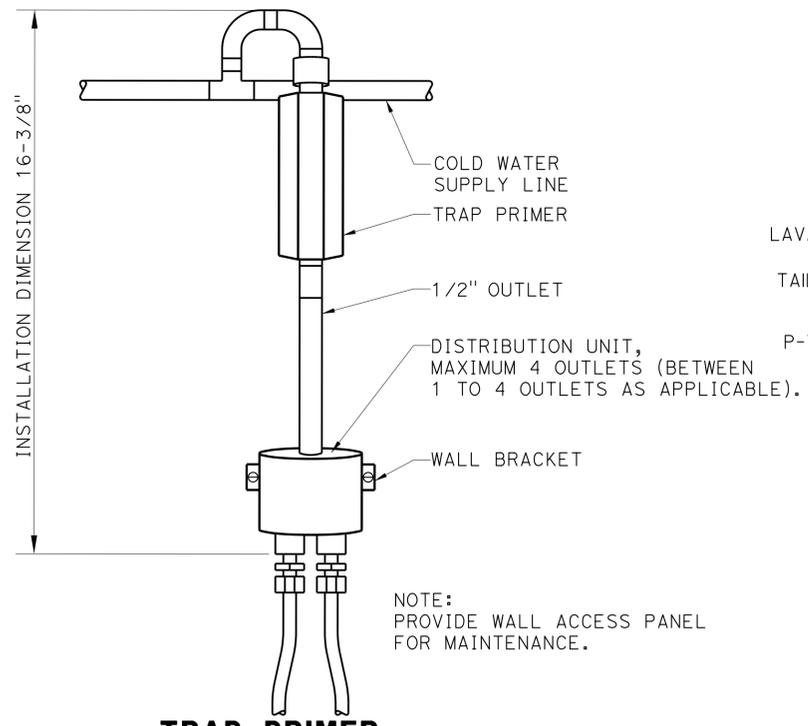
6 VENT THRU ROOF DETAIL
SCALE: NTS



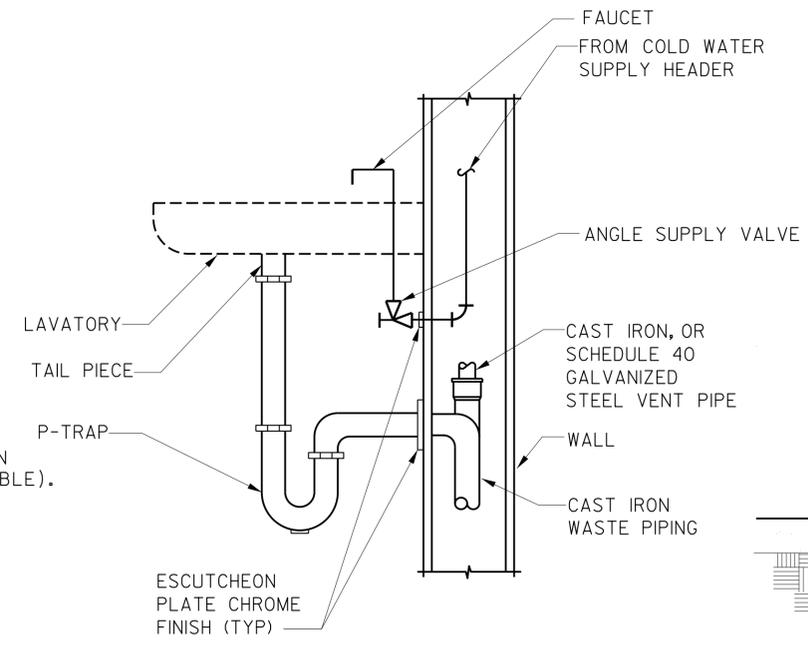
4 PIPE THROUGH WALL PENETRATION DETAIL
SCALE: NTS



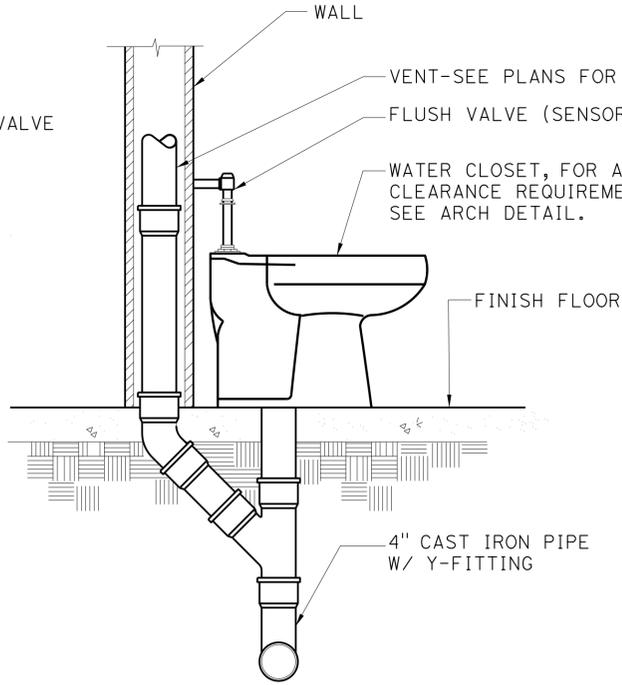
2 CONDENSATE DRAIN TAIL-END PIECE CONNECTION
SCALE: NTS



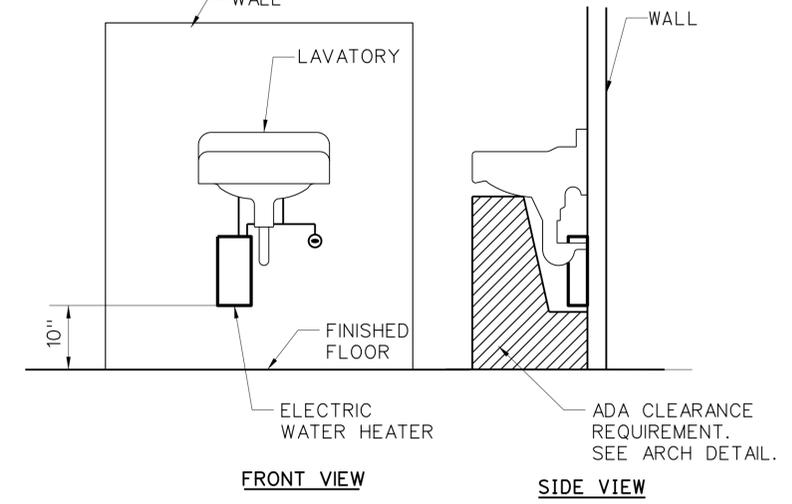
7 TRAP PRIMER INSTALLATION DETAIL
SCALE: NTS



5 LAVATORY PIPE CONNECTION TO WASTE DETAIL
SCALE: NTS



3 SOLID PIPE CONNECTION TO WATER CLOSET
SCALE: NTS



1 ELECTRIC WATER HEATER INSTALLATION DETAIL
SCALE: NTS

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 Reviewed by: [Signature]
 Approval date: 4-7-13

mp-3.dgn TAEMWW imperial Rev. 7/10 29-JAN-2014 08:41	DESIGN	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY PLUMBING DETAILS	SHEET	MP-3		
	DETAILS	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari			POST MILE	51.53		REVISION DATES (PRELIMINARY STAGE ONLY)	08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-12-13 05-24-13 06-28-13	SHEET	OF
	QUANTITIES	BY Gelito Ocdamia	CHECKED Hooshang Mozaffari			UNIT PROJECT NUMBER & PHASE	3580 11000002771		DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET	OF

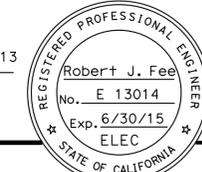
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 UNIT PROJECT NUMBER & PHASE: 3580 11000002771
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 08-15-12|09-28-12|11-30-12|01-04-13|03-28-13|04-12-13|05-24-13|06-28-13
 EA 11-275601

ABBREVIATIONS

A		F	
A	Amperes	FC	Fan coil
AC	Alternating current or asphalt concrete	F	Fuse
A/C	Air conditioning unit	FG	Finish grade
ACS	Air compressor starter	FL	Failure light
AFCI	Arc fault circuit interrupter	FLA	Flasher
AI	Analog input	Flex	Flexible conduit
AL	Alarm light	FLS	Flow switch
AO	Analog output	FO	Fiber optic
Approx	Approximate	FR	Failure reset or flame resistant
AR	Alarm reset	FS	Float switch
AVC	Air volume controller		
B		G	
BC	Bare copper	G	Ground
BD	Building disconnect	Ga	Gauge
Bldg	Building	Galv	Galvanized
BP	Booster pump	GFCI	Ground fault circuit interrupter
Brk	Breaker	GRS	Galvanized rigid steel
C		H	
C	Conduit	hp	Horsepower
Cat	Category	HP	Heat pump
CB	Circuit breaker	HPS	High pressure sodium
CC	Center channel light		
CCTV	Closed circuit television	I	
CD	Control disconnect	IC	Irrigation controller
Ckt	Circuit	ICC	Irrigation controller cabinet
CL	Chain link	IR	Induction relay
☪	Center line	ISR	Intrinsically safe relay
Clr	Clear or clearance	J	
CM	Center margin light	JB	Junction box
CMS	Changeable message sign	K	
COMM	Communication	kV	Kilovolt
Conc	Concrete	kVA	Kilovolt amperes
CR	Control relay	KW	Kilowatt
CSW	Current switch	L	
D		L	Light or length
D	Depth	LC	Lighting contactor
DC	Direct current	LCD	Liquid crystal display
DI	Digital input	LCP	Lighting control panel
Dia	Diameter	LD	Light disconnect
DLC	Loop detector lead-in cable	LDCI	Leak detector circuit interrupter
DO	Digital output	LED	Light emitting diode
DP	Duplex plug receptacle	LL	Liquid level relay
DS	Door switch	LLC	Liquid level controller
E		LP	Light panel
(E)	Existing	LPS	Low pressure sodium
EB	Eastbound	LS	Light switch
EF	Exhaust fan	LT	Light transformer
EWH	Electric water heater	LTO	Light transformer overload
Elev	Elevation		
EMS	Extinguishable message sign		

M		N	
Max	Maximum	(N)	New
MB	Main breaker	Nav	Navigational lights
MC	Metallic conduit	NB	Neutral bus or northbound
MCP	Motor circuit protector	NC	Normally closed
MCC	Motor control center	No.	Number
MD	Motor disconnect	Nos.	Numbers
MH	Mounting height	NO	Normally open
Min	Minimum	NSW	Neutral switching breaker
Misc	Miscellaneous	O	
MSB	Main switchboard	O/C	On center
MT	Empty conduit	OG	Original ground
		OH	Overhead
		OL	Overload
P		V	
P	Pole (circuit breaker)	P	Pole (circuit breaker)
PB	Pull box or pushbutton	PB	Pull box or pushbutton
PCC	Portland concrete cement	PCC	Portland concrete cement
PCP	Pump control panel	PCP	Pump control panel
PD	Pump disconnect	PD	Pump disconnect
PEC	Photoelectric control	PEC	Photoelectric control
PEU	Photoelectric unit	PEU	Photoelectric unit
PFR	Phase failure relay	PFR	Phase failure relay
PFRD	Phase failure relay disconnect	PFRD	Phase failure relay disconnect
☪	Plate	☪	Plate
PL	Pilot light	PL	Pilot light
PS	Pressure switch	PS	Pressure switch
PTS	Power transfer switch	PTS	Power transfer switch
PV	Photovoltaic	PV	Photovoltaic
PVC	Polyvinyl chloride	PVC	Polyvinyl chloride
R		X	
RD	Receptacle disconnect	XFMR	Transformer
RES	Resistor		
Rm	Room		
RTB	Radio terminal board		
R/W	Right of way		

S		T	
S	Starter coil	TB	Terminal block
Sch	Schedule	TC	Telephone cable
SD	Service disconnect	TDR	Time delay relay
Sec	Seconds	TGLS	Toggle switch
SFR	Seal failure relay	TM	Time meter
SL	Sump light	Tot	Total
SPR	Standby power receptacle	TS	Timer switch
Sq	Square	TSW	Test switch
SS	Selector switch	TTB	Telephone terminal board
ST	Starter	Typ	Typical
Std	Standard	U	
SV	Solenoid valve	UPS	Uninterruptible power supply
SWIM	Slow weigh-in-motion	V	
		V	Volt(s)
		Var	Variable or varies
T		W	
TB	Terminal block	W	Watt or width
TC	Telephone cable	WB	Westbound
TDR	Time delay relay	WIM	Weigh-in-motion
TGLS	Toggle switch	WLS	Water level switch
TM	Time meter	WP	Weatherproof
Tot	Total	WSMS	Weigh station message sign
TS	Timer switch		
TSW	Test switch		
TTB	Telephone terminal board		
Typ	Typical		
U		X	
UPS	Uninterruptible power supply	XFMR	Transformer
V		SYMBOLS	
V	Volt(s)	∠	Angle
Var	Variable or varies	@	At
		°	Degrees
		Δ	Delta
		Ω	Ohm(s)
		∅	Phase
		±	Plus or minus

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	47	59
 REGISTERED ELECTRICAL ENGINEER DATE 01-04-13					
12-09-13 PLANS APPROVAL DATE					
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 Reviewed by: 
 Approval date: 4-7-13

PROJECT NOTES

1. Separate grounded (Neutral) conductor shall be used for each 120-volt circuit.
2. Homeruns to Panelboards shall be installed as shown on the plans. Homeruns shall not be combined.
3. A single insulated equipment grounding conductor, sized as required, shall be installed in each conduit run.

STANDARD NOTES

- [AB] Abandon. If applied to conduit, remove conductors.
- [BC] Install pull box in existing conduit run.
- [CB] Install conduit into existing pull box.
- [CC] Connect new and existing conduit. Remove existing conductors and install conductors as indicated.
- [CF] Conduit to remain for future use. Remove conductors, install pull rope and plug.
- [FA] Remove foundation above grade and abandon foundation below grade.
- [RL] Relocate equipment.
- [RLD] Relocated equipment.
- [SC] Splice new to existing conductors.

ee0-1.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN	BY Armando Hernandez	CHECKED Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY ELECTRICAL ABBREVIATIONS	SHEET
	DETAILS	BY Armando Hernandez	CHECKED Robert Fee		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		OF
	QUANTITIES	BY Armando Hernandez	CHECKED Robert Fee					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT PROJECT NUMBER & PHASE 3597 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13
				EA 11-275601				ee0-1.dgn

27-JAN-2014 13:54

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	Pole-top electrolier
	Pole-arm electrolier
CEILING WALL	
	Surface fluorescent, metal halide, led, or sodium vapor fixture
	Recessed fluorescent, metal halide, led, or sodium vapor fixture
	Exit light
	Surface or pendant individual fluorescent or led fixture
	Recessed individual fluorescent or led fixture
	Surface or pendant continuous row fluorescent or led fixtures
NOTE: A lower case letter near graphic lighting fixture symbol denotes that fixture is controlled by a similarly marked switch, an alpha-numeric symbol near graphic lighting fixture symbol denotes fixture type, (i=incandescent, f=fluorescent, mh=metal halide, h=high pressure sodium vapor, l=led), design type, number of lamps and wattage.	
Example : (4) F2-2x32 	
	Blank outlet
	Junction box
	Drop cord
	Single receptacle outlet
	Duplex receptacle outlet
	DUPLEX receptacle outlet (with Ground Fault Circuit Interrupter)
	DUPLEX receptacle outlet, weatherproof (with Ground Fault Circuit Interrupter)
	Single, special purpose receptacle outlet
	Duplex, special purpose receptacle outlet
	Range outlet
	Clock hanger receptacle
	Fan hanger receptacle
	Floor single receptacle outlet
	Floor duplex receptacle outlet
	Floor special purpose outlet
	Floor radio outlet
	Floor telephone outlet
	Multi-floor outlet, 2 or more gang
	Multi-outlet assembly
	Switch and single receptacle
	Switch and duplex receptacle
	Radio outlet
	Communication outlet
	Sound system loud speaker outlet
	Radio outlet
	Television outlet
	Microphone outlet
	Thermostat

SYMBOL	DESCRIPTION
S	Single-pole switch
S2	Double-pole switch
S3	Three-way switch
S4	Four-way switch
SD	Automatic door
SK	Key operated switch
Sp	Switch and pilot light
SMC	Momentary contact switch
SRC	Remote control switch
SWP	Weatherproof switch
SF	Fan switch
SL	Light switch
SH	Heater switch
Svs	Variable speed motor control switch
SCHLF	Two timer switches, one switch for light and fan and one switch for heat lamp
S1	Occupancy sensor wall switch, single level
S2	Occupancy sensor wall switch, bilevel
SM	Motion sensor switch
ST	Manual motor starting switch, thermal overload type
SHP	Manual motor starting switch, without overload element
TS	Timer switch
	Pushbutton
	Pushbutton station, nc, with locking device for open
	Pushbutton station motor control
	Buzzer
	Bell
	Combination bell-buzzer
	Pressure switch
	Control relay
	Flow switch
	Photoelectric unit
	Hand dryer nozzle
	Hand dryer
	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
-x-x-	Conduit exposed
---#---	Cross-lines indicate number of #12 AWG conductors. Longer cross-line indicates 1#12 AWG (G) for equipment grounding conductor. no cross-line indicates 2#12 with 1#12 (G) unless otherwise noted. all conduit 1/2" unless otherwise noted.
A1,2	Homerun to panelboard, arrows indicate number of circuits, letter denotes panelboard, numeral denotes circuit

SYMBOL	DESCRIPTION
—SM—	Surface metal raceway
(2) 1/2" C, PVC, 2#12	Conductor info (per conduit) conduit type conduit size number of conduits (no number indicates one conduit)
—MC—	Conduit, rigid steel, underground
—PVC—	Conduit, polyvinyl chloride, underground
~	Conduit, flexible
—○—	Conduit, turn up
—●—	Conduit, turn down
—▲—	Conduit seal, explosion-proof
—X—	Conduit, expansion joint
—▶—	Adapter, one type conduit to another
○	Pole
OC	Occupancy sensor
P	Occupancy sensor power pack
P	Manual pull station
AV	Audio/Visual alarm device
H	Heat detector
S	Smoke detector
G	Glass break discriminator
C	Magnetic contact switch-pedestrian door
C	Magnetic contact switch-vehicle door
K	Keypad for alarm system
M	Combination detector (Microwave/Passive infrared)
□	Pull box-letter indicates type of pull box (e-electrical, t-telephone, r-radio)
□(T)	Pull box (traffic-rated)-letter indicates type of pull box (e-electrical, t-telephone, r-radio)
CHLF	Combination heat, light, and fan unit
A	Section/Elevation letter
EE-2	Sheet number
1	Detail number
EE-2	Sheet number

REMODEL WORK

SYMBOL	DESCRIPTION
	Existing fluorescent fixture-to remain
	Existing fluorescent fixture-remove
	Existing incandescent fixture-to remain
	Existing incandescent fixture-remove
	Existing outlet-to remain
	Existing receptacle outlet-to remain
	Existing receptacle outlet-remove
-E---E-	Existing conduit and conductors-to remain unless otherwise noted
-x---x-	Existing conduit and conductors-remove
S	Existing switch-to remain
X	Existing switch-remove
J	Existing junction box-to remain
X	Existing junction box-remove

GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS

SYMBOL	DESCRIPTION
	Circuit breaker, single-pole
	Circuit breaker, double-pole
	Circuit breaker, three-pole
GFCI	Circuit breaker, with ground fault circuit interrupter
	Circuit breaker, single-pole, switched neutral
	Contact, normally open
	Contact, normally closed
	Contact, normally closed, time delay closing on de-energizing
	Contact, normally open, time delay opening on de-energizing
	Contact, normally open, time delay closing on energizing
	Contact, normally closed, time delay opening on energizing
	Contact, single-pole, double-throw
	Operating coil
	Liquid level actuated switch, normally closed
	Liquid level actuated switch, normally open
	Pressure actuated switch, normally closed
	Pressure actuated switch, normally open
	Flow actuated switch, normally closed
	Flow actuated switch, normally open
	Temperature actuated switch, normally closed
	Temperature actuated switch, normally open
	Limit switch, normally closed
	Limit switch, normally open
	Pushbutton switch, normally closed
	Pushbutton switch, normally open
	Switch, single-pole
	Switch, single-pole, double-throw
	Switch, double-pole
	Switch, double-pole, double-throw
	Switch, single-pole, 3-position
	Thermal overload
	Fuse
	Resistor
	Variable resistor
	Transformer winding
	Grounding electrode
	Enclosure bond
	Pilot light (A=Amber, G=Green, R=Red)
G	Generator
M	Motor
F	Fan motor

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	48	59
 REGISTERED ELECTRICAL ENGINEER DATE 01-04-13					
12-09-13 PLANS APPROVAL DATE					
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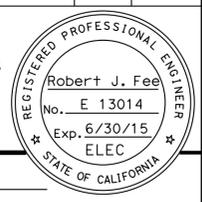
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Reviewed by:

Approval date: 4-7-13

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	52	59


 REGISTERED ELECTRICAL ENGINEER DATE 01-04-13
 12-09-13
 PLANS APPROVAL DATE
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LIGHTING MANDATORY MEASURES: NONRESIDENTIAL **LTG-MM**

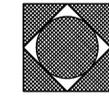
Project Name: *Southbound Rainbow Truck Inspection Facility* Date: *1/7/2013*

Indoor Lighting Measures:

- §131(d): **Shut-off Controls**
 For every floor, all interior lighting systems shall be equipped with a separate automatic control to shut off the lighting.
 1. This automatic control shall meet the requirements of Section 119 and may be an occupancy sensor, automatic time switch, or other device capable of automatically shutting off the lighting.
 2. Override for Building Lighting Shut-off: The automatic building shut-off system is provided with a manual, accessible override switch in sight of the lights. The area of override is not to exceed 5,000 square feet.
- §119(h): Automatic Control Devices Certified: All automatic control devices specified are certified, all alternate equipment shall be certified and installed as directed by the manufacturer.
- §111: Fluorescent Ballast and Luminaires Certified: All fluorescent fixtures specified for the project are certified and listed in the Directory. All installed fixtures shall be certified.
- §131(a): Individual Room/Area Controls: Each room and area in this building is equipped with a separate switch or occupancy sensor device for each area with floor-to-ceiling walls.
- §131(b): Uniform Reduction for Individual Rooms: All rooms and areas greater than 100 square feet and more than 0.8 watts per square foot of lighting load shall be controlled with bi-level switching for uniform reduction of lighting within the room.
- §131(c): Daylight Area Control: All rooms with windows and skylights that are greater than 250 square feet and that allow for the effective use of daylight in the area shall have 50% of the lamps in each daylit area controlled by a separate switch; or the effective use of daylight cannot be accomplished because the windows are continuously shaded by a building on the adjacent lot. Diagram of shading during different times of the year is included on plans.
- §131(c): Display Lighting. Display lighting shall be separately switched on circuits that are 20 amps or less.

Outdoor Lighting Measures:

- §130(c)1: Mandatory lighting power determination for medium base sockets without permanently installed ballasts
- §132(a): All permanently installed luminaires with lamps rated over 100 Watts either have a lamp efficacy of at least 60 lumens per Watt or are controlled by a motion sensor.
- §132(b): All Luminaires with lamps rated greater than 175 Watts in hardscape area, including parking lots, building entrances, canopies, and all outdoor sales areas meet the Cutoff Requirements.
- §132(c)1: All permanently installed outdoor lighting meets the control requirements listed.
- §132(c): Building facades, parking lots, garages, canopies, and outdoor sales areas meet the Multi-Level Lighting Requirements listed.



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TITLE-24

SCALE: NONE



ee0-6.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN	BY Armando Hernandez	CHECKED Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY TITLE-24 COMPLIANCE REPORT	SHEET	
	DETAILS	BY Armando Hernandez	CHECKED Robert Fee		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13	OF EEO-6
	QUANTITIES	BY Armando Hernandez	CHECKED Robert Fee		UNIT PROJECT NUMBER & PHASE 3597 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				EA 11-275601		ee0-6.dgn			

27-JAN-2014 13:54

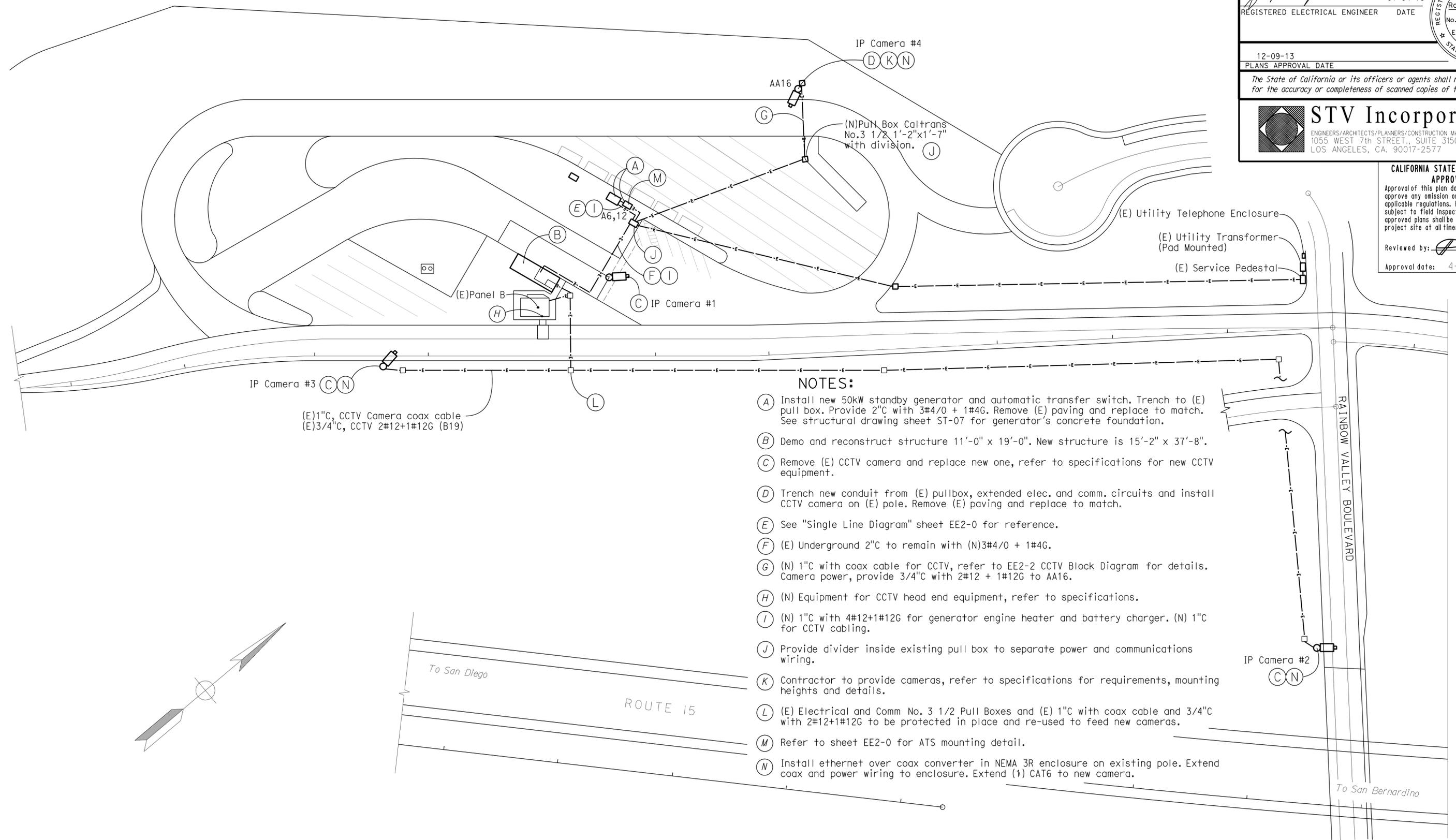
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	53	59


 REGISTERED ELECTRICAL ENGINEER DATE 01-04-13
 Robert J. Fee
 No. E 13014
 Exp. 6/30/15
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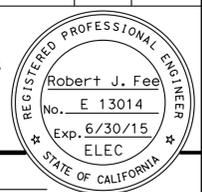


- NOTES:**
- (A) Install new 50kW standby generator and automatic transfer switch. Trench to (E) pull box. Provide 2"C with 3#4/0 + 1#4G. Remove (E) paving and replace to match. See structural drawing sheet ST-07 for generator's concrete foundation.
 - (B) Demo and reconstruct structure 11'-0" x 19'-0". New structure is 15'-2" x 37'-8".
 - (C) Remove (E) CCTV camera and replace new one, refer to specifications for new CCTV equipment.
 - (D) Trench new conduit from (E) pullbox, extended elec. and comm. circuits and install CCTV camera on (E) pole. Remove (E) paving and replace to match.
 - (E) See "Single Line Diagram" sheet EE2-0 for reference.
 - (F) (E) Underground 2"C to remain with (N)3#4/0 + 1#4G.
 - (G) (N) 1"C with coax cable for CCTV, refer to EE2-2 CCTV Block Diagram for details. Camera power, provide 3/4"C with 2#12 + 1#12G to AA16.
 - (H) (N) Equipment for CCTV head end equipment, refer to specifications.
 - (I) (N) 1"C with 4#12+1#12G for generator engine heater and battery charger. (N) 1"C for CCTV cabling.
 - (J) Provide divider inside existing pull box to separate power and communications wiring.
 - (K) Contractor to provide cameras, refer to specifications for requirements, mounting heights and details.
 - (L) (E) Electrical and Comm No. 3 1/2 Pull Boxes and (E) 1"C with coax cable and 3/4"C with 2#12+1#12G to be protected in place and re-used to feed new cameras.
 - (M) Refer to sheet EE2-0 for ATS mounting detail.
 - (N) Install ethernet over coax converter in NEMA 3R enclosure on existing pole. Extend coax and power wiring to enclosure. Extend (1) CAT6 to new camera.

ee1-0.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN BY Armando Hernandez CHECKED Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY SITE PLAN	SHEET OF	
	DETAILS BY Armando Hernandez CHECKED Robert Fee		UNIT PROJECT NUMBER & PHASE 3597 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	QUANTITIES BY Armando Hernandez CHECKED Robert Fee		EA 11-275601	08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13			

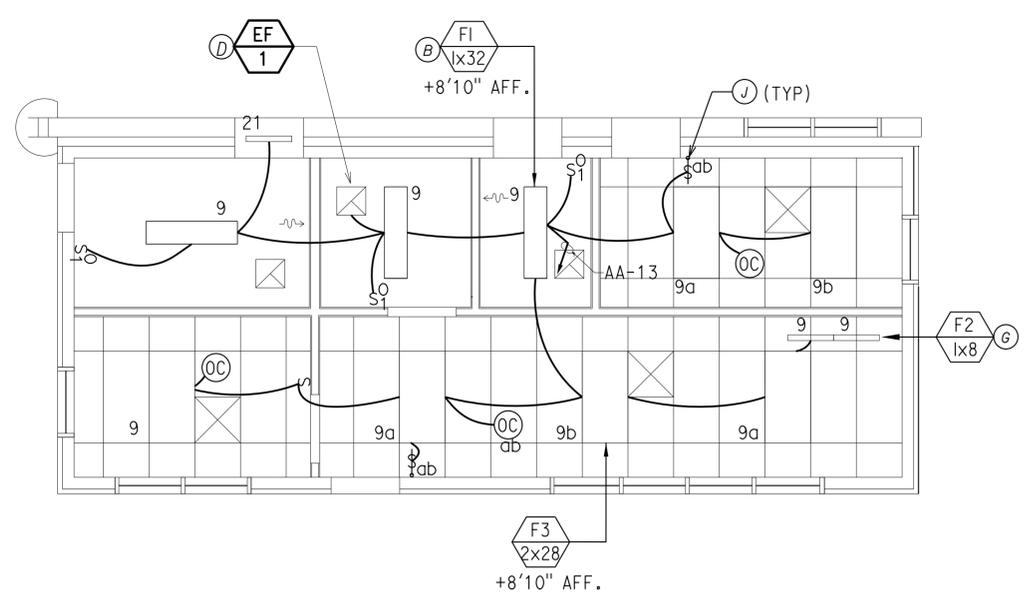
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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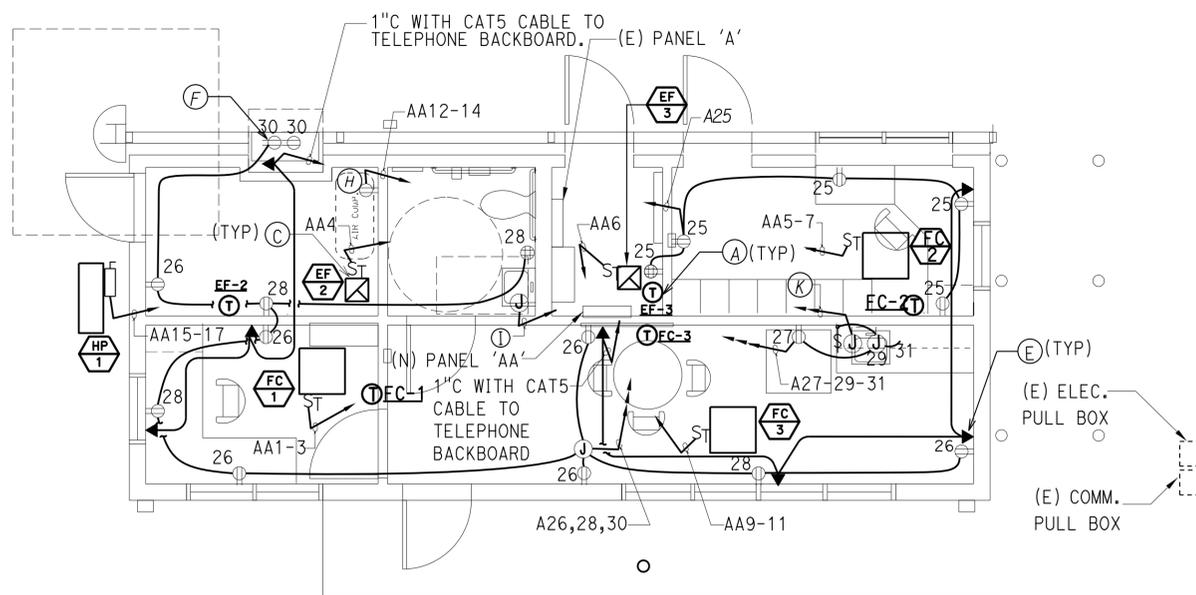


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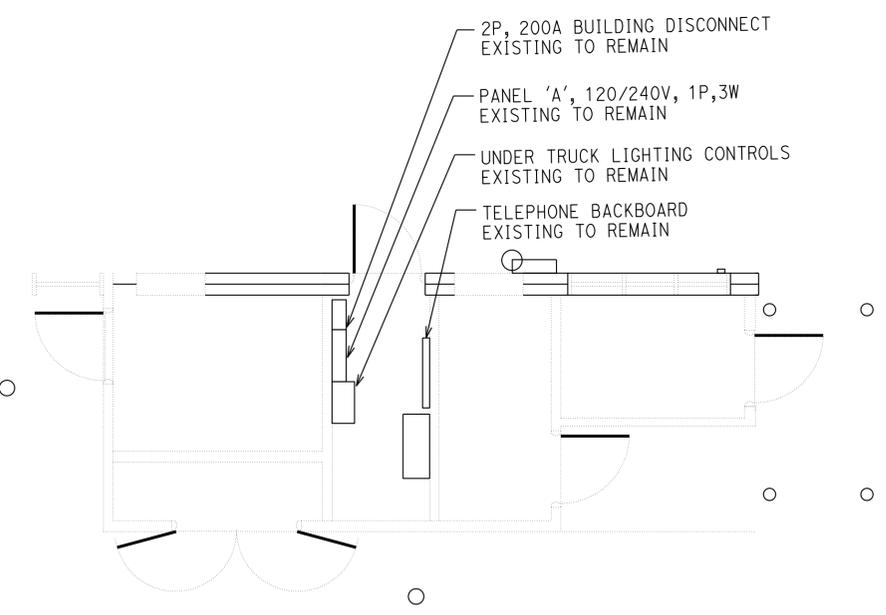
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LIGHTING FLOOR PLAN
 SCALE: 1/4"=1'-0"
 2
 EE-1



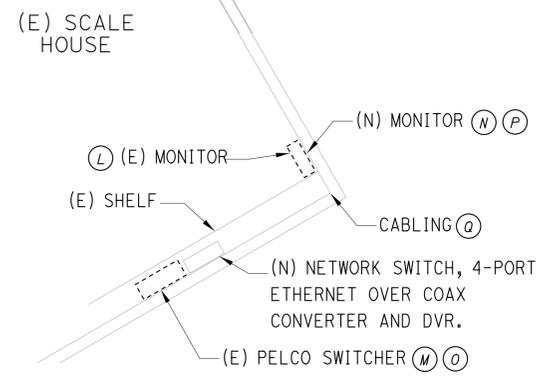
POWER FLOOR PLAN
 SCALE: 1/4"=1'-0"
 1
 EE-1



DEMOLITION FLOOR PLAN
 SCALE: 1/4"=1'-0"
 3
 EE-1

KEY NOTES:

- (A) Provide 1"CO with pull wire from thermostat to unit for controls. See mechanical drawings for exact location and additional information.
- (B) Refer to sheet EE2-0 for lighting fixture schedule.
- (C) Provide switch in accessible area for mechanical units.
- (D) Exhaust fan controlled via light switch.
- (E) Provide 1"CO with Cat5 cable for telephone up to accessible ceiling space.
- (F) Receptacles inside casework, refer to architectural drawings for exact location.
- (G) Undercabinet light with built in off/on rocker switch.
- (H) Contractor to coordinate connection-mate for air compressor.
- (I) Power for EWH-1, Panel AA circuit 8. Provide 3/4"CO with 2#12 + 1#12G. See plumbing drawings for exact location.
- (J) Occupancy sensor switch, for reference see detail 4 on sheet EE2-0.
- (K) Power for EWH-2, Panel AA-10. Provide 3/4"CO with 2#12 + 1#12G. See plumbing drawings for exact location.
- (L) Disconnect and remove existing monitor in it's entirety including bracket and all wiring.
- (M) Disconnect and remove existing Pelco Switcher in it's entirety, retain coax cables for extension and connection to new equipment.
- (N) Coordinate location with existing conditions.
- (O) Coordinate removal of existing equipment with CalTrans Project Manager, provide 3 prior notice.
- (P) Install new monitor in existing location, provide new wall mounting bracket, field coordinate location. Utilize existing 120V outlet for power.
- (Q) Install cable for keyboard and mouse from DVR, down wall in corner to counter concealed in surface raceway.



ee1-1.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN BY Armando Hernandez	CHECKED Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY ELECTRICAL & LIGHTING FLOOR PLAN	SHEET OF
	DETAILS BY Armando Hernandez	CHECKED Robert Fee		UNIT PROJECT NUMBER & PHASE 3597 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3			08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13	

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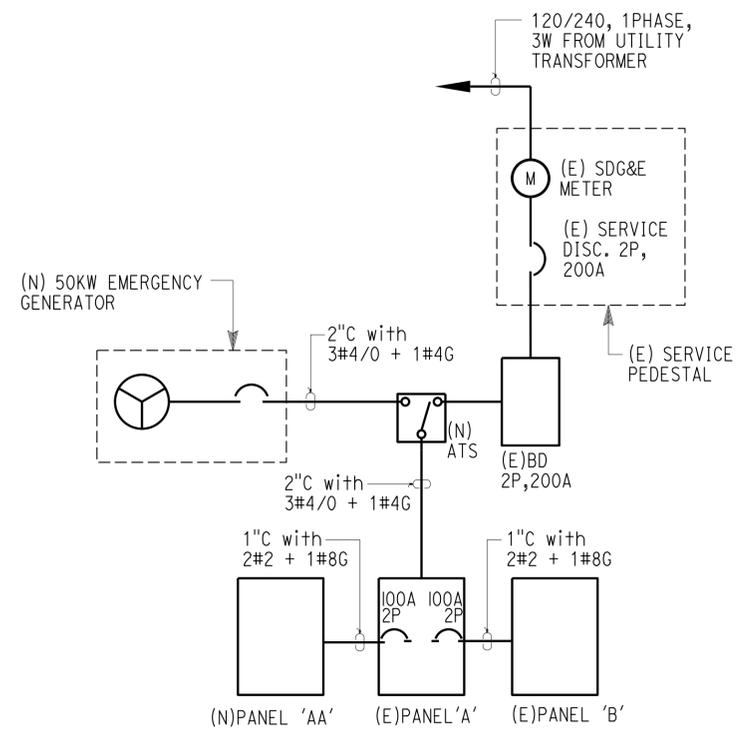
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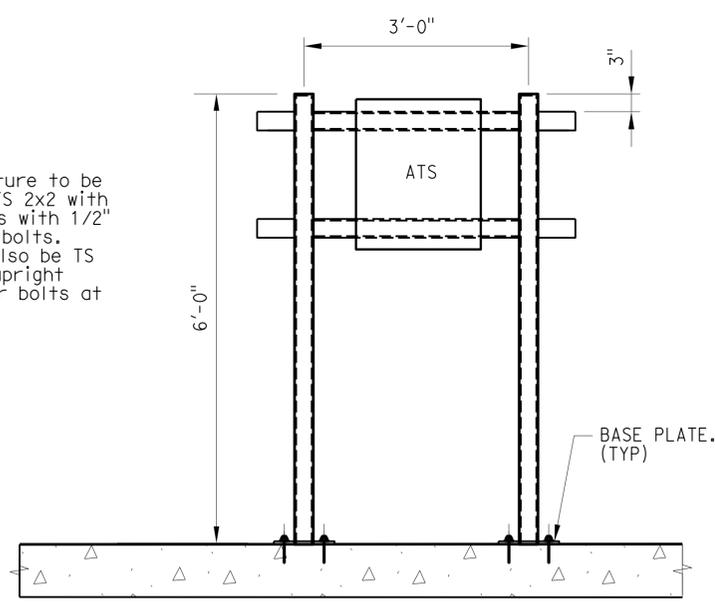
TYPE	SYMBOL	DESCRIPTION	LAMPS	MANUFACTURER
F1		1'x4' RECESSED INDIRECT FIXTURE, IMPACT RESISTANT.	1 LAMP, 32W T8	LITHONIA ES8P, DAY-BRITE V2W SERIES OR LITHOLIER STA
F2		12" UNDERCABINET LOW PROFILE TASK LIGHT	1 LAMP, 8W T5	LITHONIA UC5D 8, LITHOLIER LED-RPS-50, OR FINELITE EDGE
F3		2'x4' RECESSED FLUORESCENT T5 FIXTURE	2 LAMP, 28W T5	LITHONIA SP5, DAY-BRITE 0169.3-AR SERIES OR LITHOLIER 254 SERIES

LIGHTING FIXTURE SCHEDULE 3
 SCALE: NONE

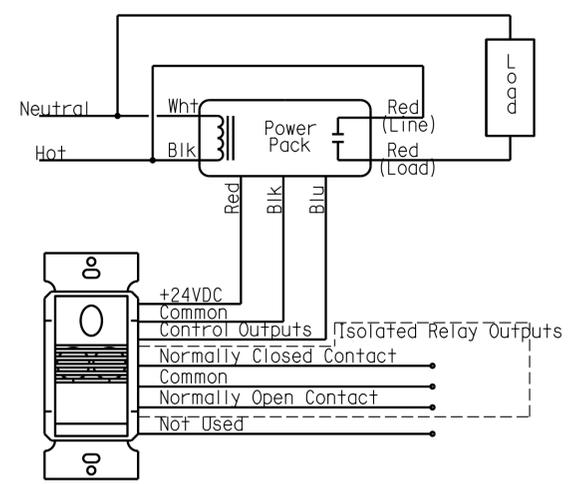


NEW SINGLE LINE DIAGRAM 1
 SCALE: NONE

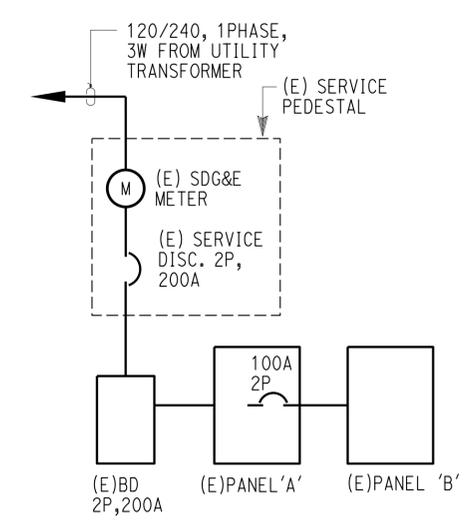
NOTE:
 ATS mounting structure to be constructed using TS 2x2 with 4x4x1/4" base plates with 1/2" diameter expansion bolts. Cross members to also be TS 2x2 bolted to the upright with 2 1/4" diameter bolts at each end.



ATS MOUNTING DETAIL 5
 SCALE: NONE



LOW VOLTAGE SWITCH WIRING DIAGRAM 4
 SCALE: NONE



EXISTING SINGLE LINE DIAGRAM 2
 SCALE: NONE

DESIGN	BY Armando Hernandez	CHECKED Robert Fee
DETAILS	BY Armando Hernandez	CHECKED Robert Fee
QUANTITIES	BY Armando Hernandez	CHECKED Robert Fee

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN

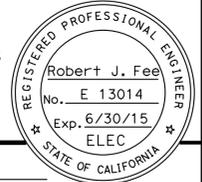
BRIDGE NO.	48M5710
POST MILE	51.53

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY
 SINGLE LINE DIAGRAMS & LIGHTING FIXTURE SCHEDULE

SHEET **EE2-0**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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(E) Panel A																			
VOLTAGE:		240 / 120		LOCATION:				ELEC/MECH. ROOM				MAIN:		225A MAIN LUGS					
1 PHASE, 3 WIRE				SOURCE:				PANEL BD				BUS:		250A					
MOUNTING:												Isc:		4,027 A					
at Main																			
ckt	LCL	Load	LTS	REC	MISC	A	B	Bkr	Φ	Bkr	A	B	LTS	REC	MISC	Load	LCL	ckt	
1	4	(E) LIGHTS	4			1440		20A		15A	120			1		(E) LIGHT CONTROL	0	2	
3	4	(E) LIGHTS	4				960	20A		15A	120			1		(E) LIGHT CONTROL	0	4	
5	4	(E) LIGHTS	4			1764		20A		15A	1260		4			(E) RECEPTACLES	0	6	
7	4	(E) LIGHTS	4				1764	20A		15A	720		4			(E) RECEPTACLES	0	8	
9	4	(E) LIGHTS	4			480		15A		15A	120			1		(E) IRRIGATION CONTROLS	0	10	
11	4	(E) LIGHTS	4			480		15A		15A	0					SPARE	0	12	
13	4	(E) LIGHTS	4			876		15A		20A	860			1		(E) EWC	0	14	
15	-	-	-				876	2P		30A	1530			1		(E) UNDER TRUCK LIGHT FAN	0	16	
17	0	(E) LIGHTS	4			924		15A		25A	1200			1		(E) AIR COMPRESSOR	0	18	
19	0	-	-				924	2P		2P	1200			-		-	-	0	20
21	0	(E) HEAT PUMP			1	792		15A		100A	7844			1		(E) PANEL B	0	22	
23	0	-	-				792	2P		2P	8340			-		-	-	0	24
25	0	SPARE				0		15A		20A	0					SPARE	0	26	
27	0	SPARE				0		15A		20A	0					SPARE	0	28	
29	0	SPARE				0		15A		20A	0					SPARE	0	30	
31	0	SPARE				0		15A		20A	0					SPARE	0	32	
Totals:						6276	5796				11404	11910							

Phase A Conn VA: **17680** Conn KVA = **35.4**
 Phase B Conn VA: **17706** Max Line current = **148** Amps/ phase
 25% LCL KVA = 2.2
 25% LGST MTR KVA = 0.0
 FEEDER KVA = 37.5
 MIN. FEEDER AMPACITY = **156** AMPS

(E) Panel A																			
VOLTAGE:		240 / 120		LOCATION:				ELEC/MECH. ROOM				MAIN:		225A MAIN LUGS					
1 PHASE, 3 WIRE				SOURCE:				PANEL BD				BUS:		250A					
MOUNTING:												Isc:		4,936 A					
at Main																			
ckt	LCL	Load	LTS	REC	MISC	A	B	Bkr	Φ	Bkr	A	B	LTS	REC	MISC	Load	LCL	ckt	
1	4	(E) LIGHTS	4			1440		20A		15A	180			1		(E) LIGHT CONTROL	0	2	
3	4	(E) LIGHTS	4				960	20A		15A	180			1		(E) LIGHT CONTROL	0	4	
5	4	(E) LIGHTS	4			1764		20A		20A	180					GENERATOR ENGINE HEATER	0	6	
7	4	(E) LIGHTS	4				1764	20A		15A	720		4			(E) RECEPTACLES	0	8	
9	0	SPARE						20A		15A	180			1		(E) IRRIGATION CONTROLS	0	10	
11	4	(E) LIGHTS	4			480		15A		20A	180					BATTERY CHARGER	0	12	
13	4	(E) LIGHTS	4			876		15A		20A	860			1		(E) EWC	0	14	
15	-	-	-				876	2P		30A	1380			1		(E) UNDER TRUCK LIGHT FAN	0	16	
17	0	(E) LIGHTS	4			924		15A		25A	1200			1		(E) AIR COMPRESSOR	0	18	
19	0	-	-				924	2P		2P	1200			-		-	-	0	20
21	0	(N)PANEL AA			1	5457		100A		100A	6644			1		(E) PANEL B	0	22	
23	0	-	-				5132	2P		2P	6340			-		-	-	0	24
25	0	RECEPTACLE			4	720		20A		20A	900		5			RECEPTACLES	0	26	
27	0	RECEPTACLE			1			20A		20A	180		1			RECEPTACLES	0	28	
29	0	GARBAGE DISPOSAL			1	200		180		20A	200		1			RECEPTACLES	0	30	
31	0	RECEPTACLE			1			20A		20A	0					Spare	0	32	
Totals:						11381	10496				10344	10180							

Phase A Conn VA: **21725** Conn KVA = **42.4**
 Phase B Conn VA: **20676** Max Line current = **181** Amps/ phase
 25% LCL KVA = 2.0
 25% LGST MTR KVA = 0.0
 FEEDER KVA = 44.4
 MIN. FEEDER AMPACITY = **185** AMPS

(N) Panel AA																		
VOLTAGE:		240 / 120		LOCATION:				ELEC/MECH. ROOM				MAIN:		100A MAIN LUGS				
1 PHASE, 3 WIRE				SOURCE:				PANEL A				BUS:		125A				
MOUNTING:												Isc:		2,073 A				
at Main																		
ckt	LCL	Load	LTS	REC	MISC	A	B	Bkr	Φ	Bkr	A	B	LTS	REC	MISC	Load	LCL	ckt
1	0	FC-1			1	120		20A		20A	0					SPARE	0	2
3	0	-					120	2P		20A	60			1		EF-2	0	4
5	0	FC-2			1	120		20A		20A	185			1		EF-3	0	6
7	0	-					120	2P		20A	1872			1		EW-1	0	8
9	0	FC-3			1	120		20A		20A	1872			1		EW-2	0	10
11	0	-					120	2P		30A	1380					AIR COMPRESSOR	0	12
13	9	INSPECTION LIGHTS	9			300		20A		20A	1380					-	0	14
15	0	HP-1					1360	20A		20A	100					NEW CAMERA	0	16
17	0	-					1360	2P		20A						SPARE	0	18
19	0	SPACE														SPACE	0	20
21	0	SPACE														SPACE	0	22
23	0	SPACE														SPACE	0	24
25	0	SPACE														SPACE	0	26
27	0	SPACE														SPACE	0	28
29	0	SPACE														SPACE	0	30
Totals:						2020	1720				3437	3412						

Phase A Conn VA: **5457** Conn KVA = **10.6**
 Phase B Conn VA: **5132** Max Line current = **45** Amps/ phase
 25% LCL KVA = 0.1
 25% LGST MTR KVA = 0.0
 FEEDER KVA = 10.7
 MIN. FEEDER AMPACITY = **45** AMPS

EXISTING PANEL SCHEDULE 'A'
 SCALE: NONE



NEW PANEL SCHEDULES 'A' & 'AA'
 SCALE: NONE



* Install provisions for padlocking circuit in off position.

ee2-1.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN BY	Armando Hernandez	CHECKED	Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO.	48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY NEW & EXISTING PANEL SCHEDULES	SHEET	OF
	DETAILS BY	Armando Hernandez	CHECKED	Robert Fee		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	51.53		EE2-1	
	QUANTITIES BY	Armando Hernandez	CHECKED	Robert Fee		UNIT	3597				
					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	PROJECT NUMBER & PHASE	11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		
					0 1 2 3	EA 11-275601			08-15-12 09-28-12 11-30-12 01-04-13 03-04-13 03-28-13 04-09-13 05-08-13		

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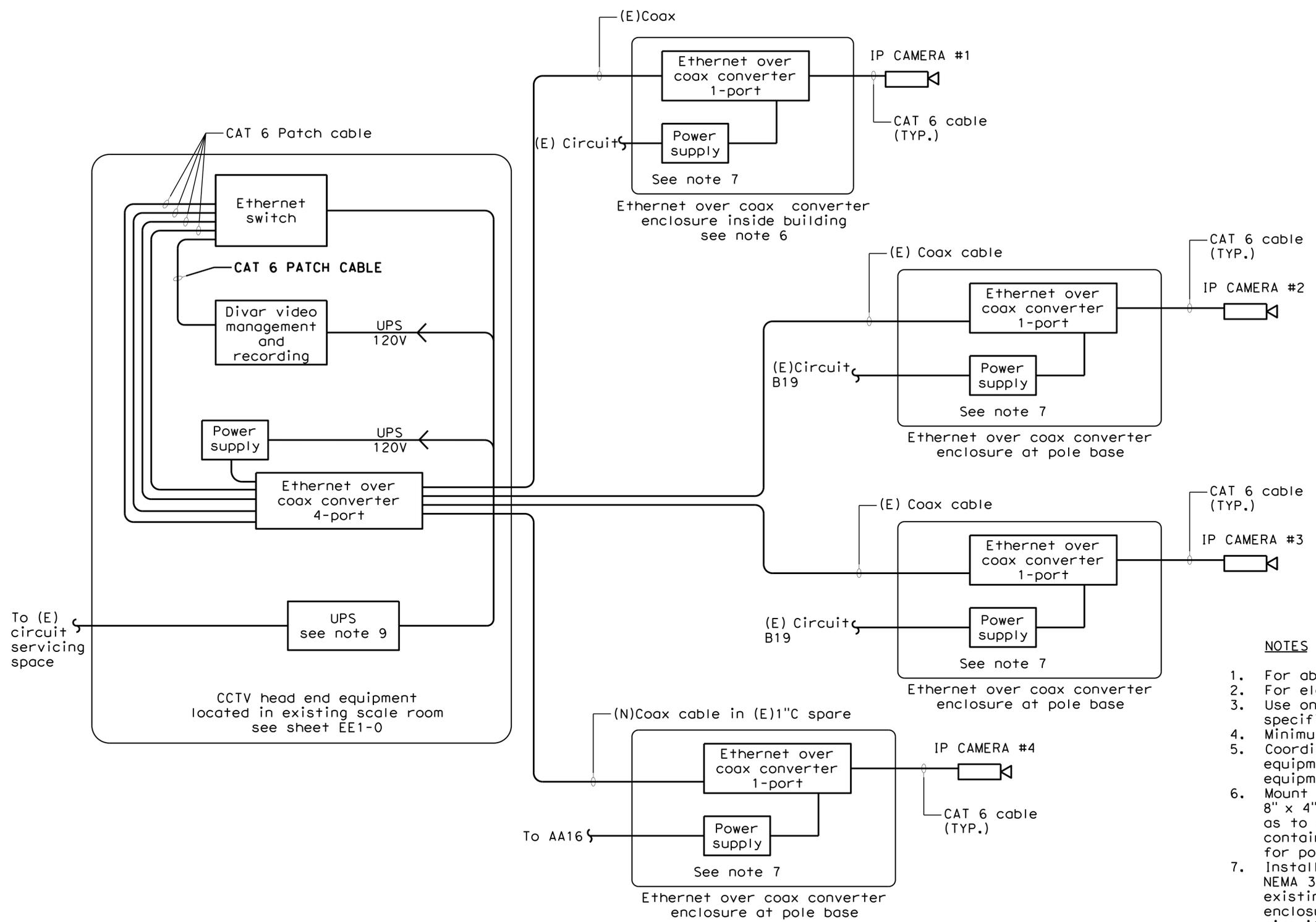
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NOTES

1. For abbreviations see drawing sheet EE0-1
2. For electrical symbols see drawing sheet EE0-2
3. Use only those wiring methods allowed in the specifications.
4. Minimum conduit size shall be 3/4".
5. Coordinate video surveillance system equipment with existing conditions and equipment.
6. Mount ethernet over coax converter in a 8" x 8" x 4" nema 1 screw cover box inside building as to camera as possible. enclosure shall contain convertor, power supply, and receptacle for power supply.
7. Install ethernet over coax converter in new NEMA 3R enclosure at pole base. Intercept existing power and coax conduits and extend to enclosure. Extend existing camera power circuit to ethernet over coax connection. Install 1 cat 6 cable from coax converter to camera. Enclosure shall contain convertor, power supply, and receptacle for power supply.
8. Extend coax (existing and new) for connection to new equipment. Provide all necessary termination hardware.
9. Locate UPS on floor below counter.

CCTV BLOCK DIAGRAM

SCALE: NONE



ee2-2.dgn TAEMWW imperial Rev. 7/10 27-JAN-2014 13:54	DESIGN BY Armando Hernandez	CHECKED Robert Fee	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 48M5710	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY VSS BLOCK DIAGRAM	SHEET OF
	DETAILS BY Armando Hernandez	CHECKED Robert Fee		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 51.53		EE2-2
	QUANTITIES BY Armando Hernandez	CHECKED Robert Fee		PROJECT NUMBER & PHASE 3597 11000002771	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 03-28-13 04-09-13 05-08-13

27-JAN-2014 13:54 ee2-2.dgn

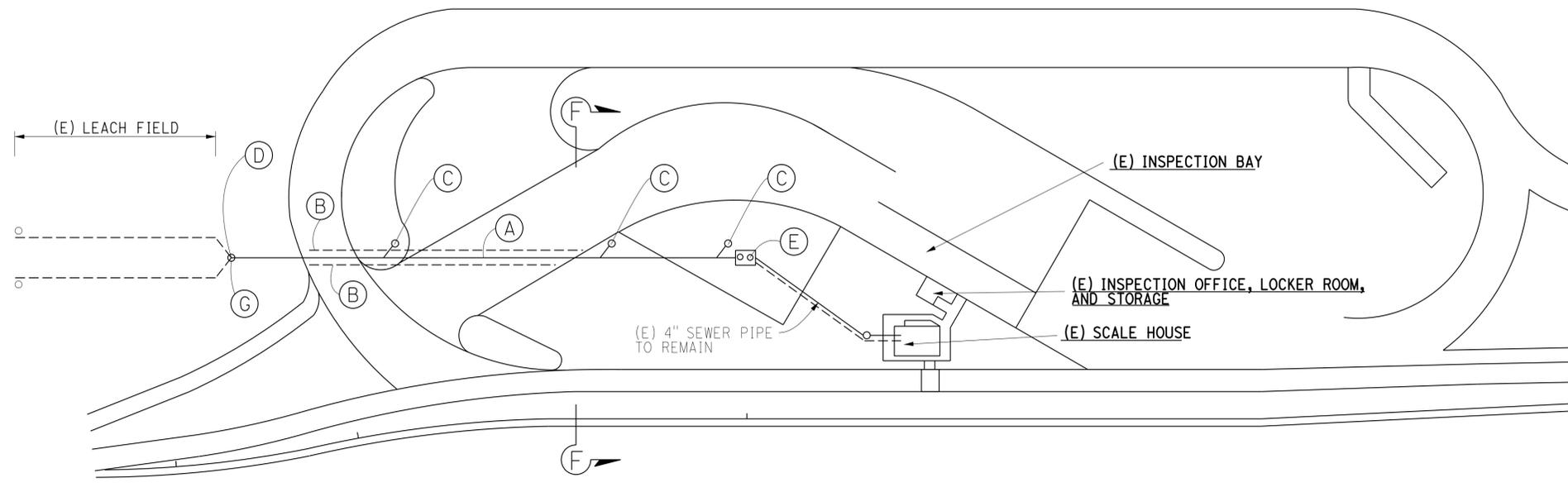
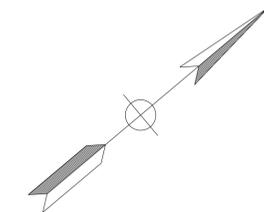
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	58	59


 REGISTERED CIVIL ENGINEER DATE 01-04-13

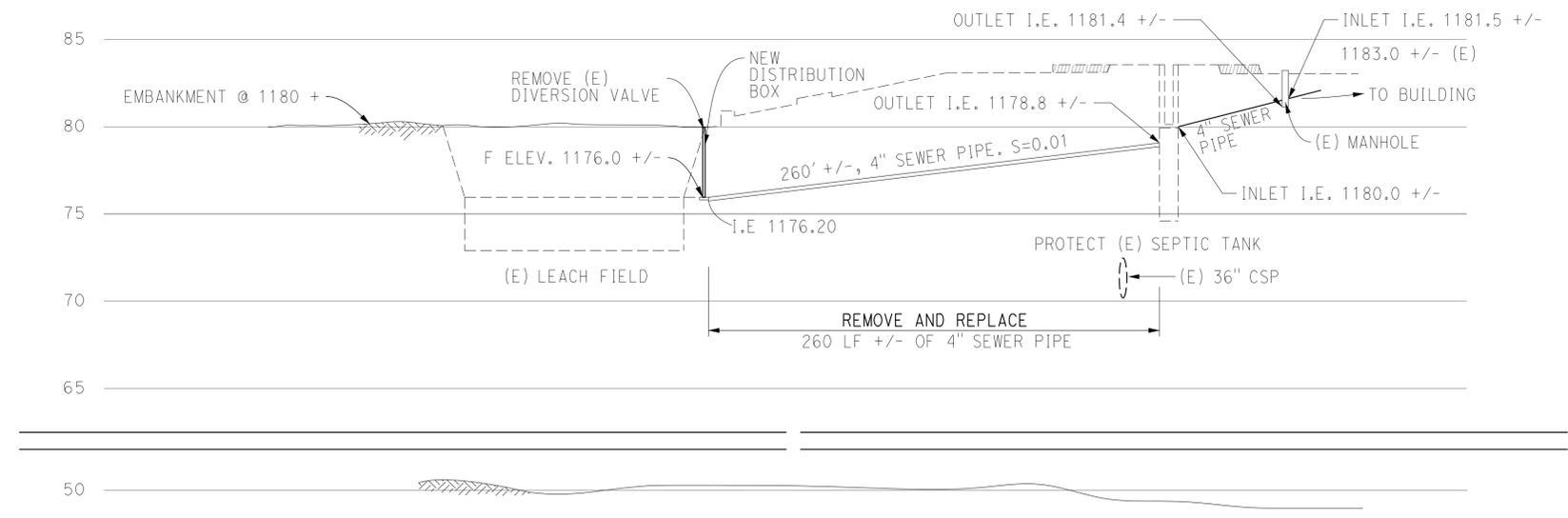

12-09-13
 PLANS APPROVAL DATE
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STV Incorporated
 ENGINEERS/ARCHITECTS/PLANNERS/CONSTRUCTION MANAGERS
 1055 WEST 7th STREET., SUITE 3150
 LOS ANGELES, CA. 90017-2577

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: 4-7-13



1 SITE PLAN
 NO SCALE



2 PROFILE
 NO SCALE

NOTES:

- The Contractor shall verify lengths of all sewer lines before ordering or fabricating any material.
 - The Contractor shall verify locations of underground facilities and utilities prior to start of excavation.
 - ABBREVIATIONS:
 (E) = Existing
 I.E. = Invert Elevation
 FL = Flow Line
 - Drawings based upon record drawings. Contractor to verify all field conditions including invert elevations prior to replacing lines.
 - Contractor shall restore/replace existing landscaping and irrigation to match existing condition
- (A) Remove and replace 260 +/- feet of 4" sewer pipe; Contractor to verify length
 - (B) Sawcut, remove, and replace to match existing condition, AC and PCC Pavement section, and associated curbs
 - (C) Remove and replace (E) cleanouts. See "CLEANOUT TO GRADE DETAILS (TOTAL 3)" on sheet SS-02 "SEWAGE DETAILS"
 - (D) Remove (E) diversion valve
 - (E) Protect (E) septic tank
 - (F) For "TRENCH DETAIL SECTION - AA," see SS-02 "SEWAGE DETAILS" sheet
 - (G) Construct concrete distribution box. See "PRECAST CONCRETE DISTRIBUTION BOX" details on sheet SS-02.

SS-01.DGN TAEMWW imperial Rev. 7/10 27-JAN-2014 13:52	DESIGN BY Rachel Hu CHECKED Mysore Satish	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 48M5710 POST MILE 51.53	RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY SANITARY SEWAGE SYSTEM	SHEET SS-01
	DETAILS BY Rachel Hu CHECKED Mysore Satish		QUANTITIES BY Rachel Hu CHECKED Mysore Satish	UNIT PROJECT NUMBER & PHASE 3616 11000002771		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			REVISION DATES (PRELIMINARY STAGE ONLY) 08-15-12 09-28-12 11-30-12 01-04-13 04-12-13 05-24-13 06-28-13			SHEET OF

27-JAN-2014 13:52

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
11	SD	15	54.0	59	59

REGISTERED CIVIL ENGINEER
DATE 01-04-13

PLANS APPROVAL DATE
12-09-13

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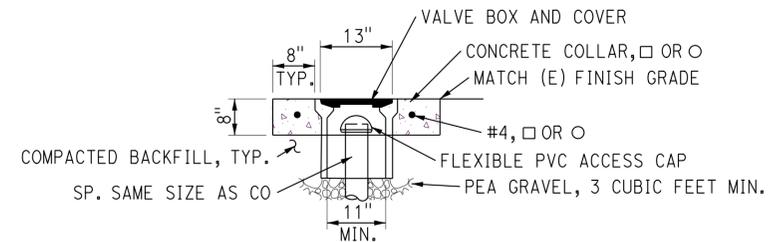


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APPROVED

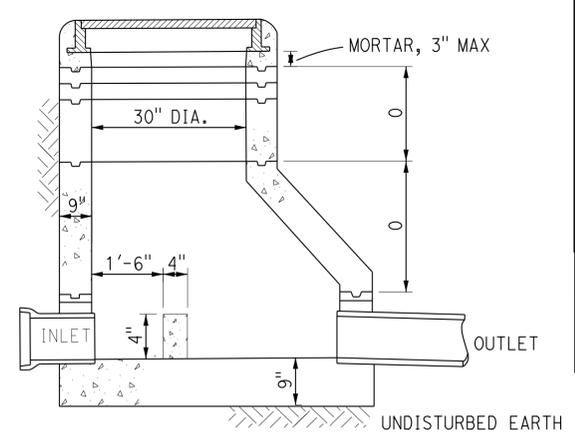
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: [Signature]
Approval date: 4-7-13

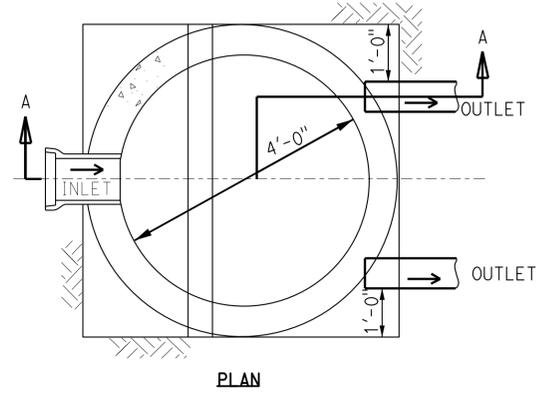


COTG ACCESS BOX DETAIL

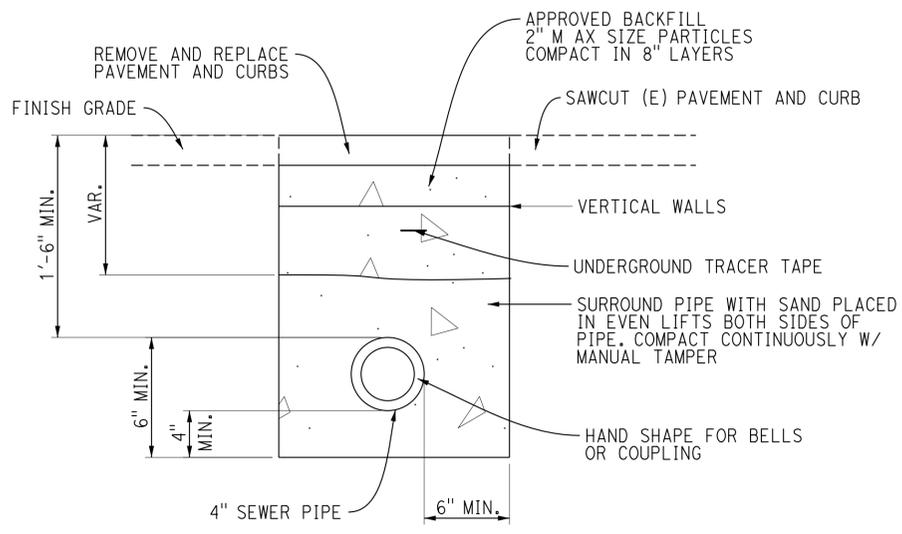
MANHOLE FRAME & COVER PER STANDARD PLAN B7-11, DETAIL U-46



SECTION A

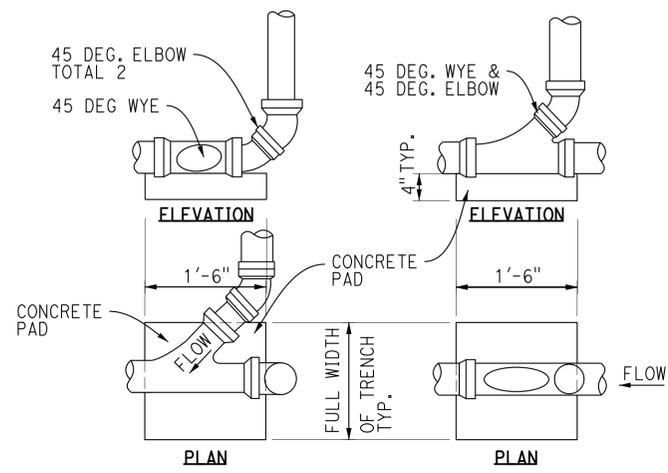


PLAN



1 TRENCH DETAIL SECTION- AA

NO SCALE

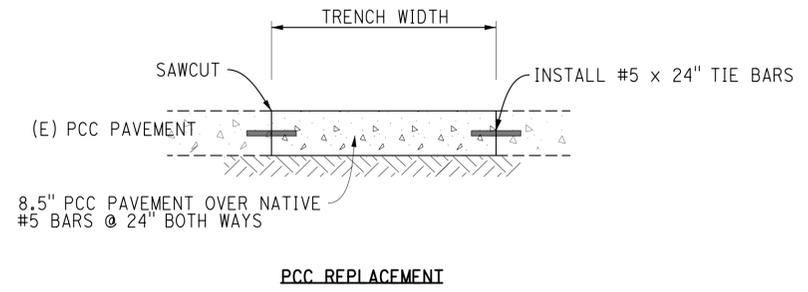
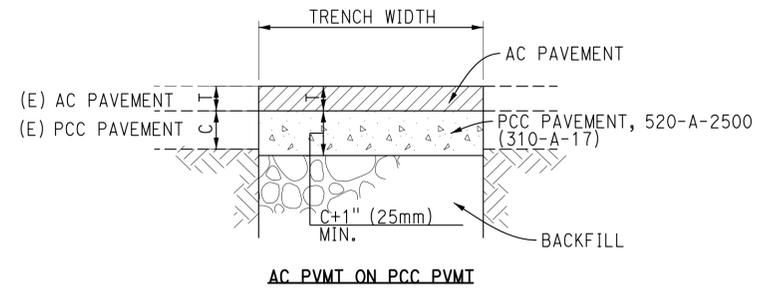
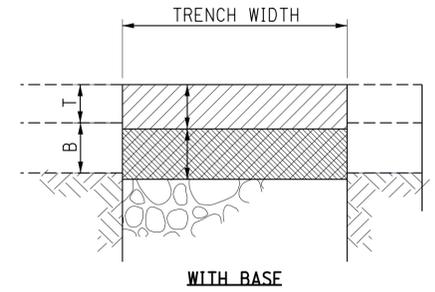
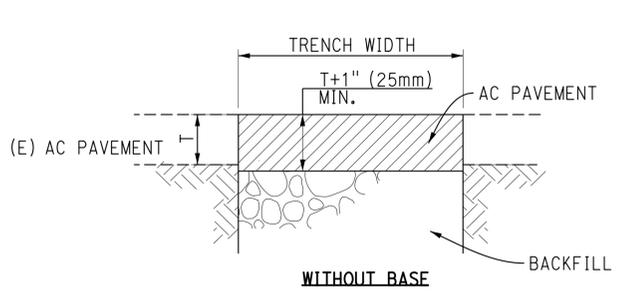


2 CLEANOUT TO GRADE DETAILS (TOTAL 3)

NO SCALE

3 DISTRIBUTION BOX

NO SCALE



4 ASPHALT CONCRETE PAVEMENT REPLACEMENT

NO SCALE

DESIGN	BY Rachel Hu	CHECKED Mysore Satish
DETAILS	BY Rachel Hu	CHECKED Mysore Satish
QUANTITIES	BY Rachel Hu	CHECKED Mysore Satish

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	48M5710
POST MILE	51.53

RAINBOW SOUTHBOUND TRUCK INSPECTION FACILITY
SEWAGE DETAILS

SHEET SS-02