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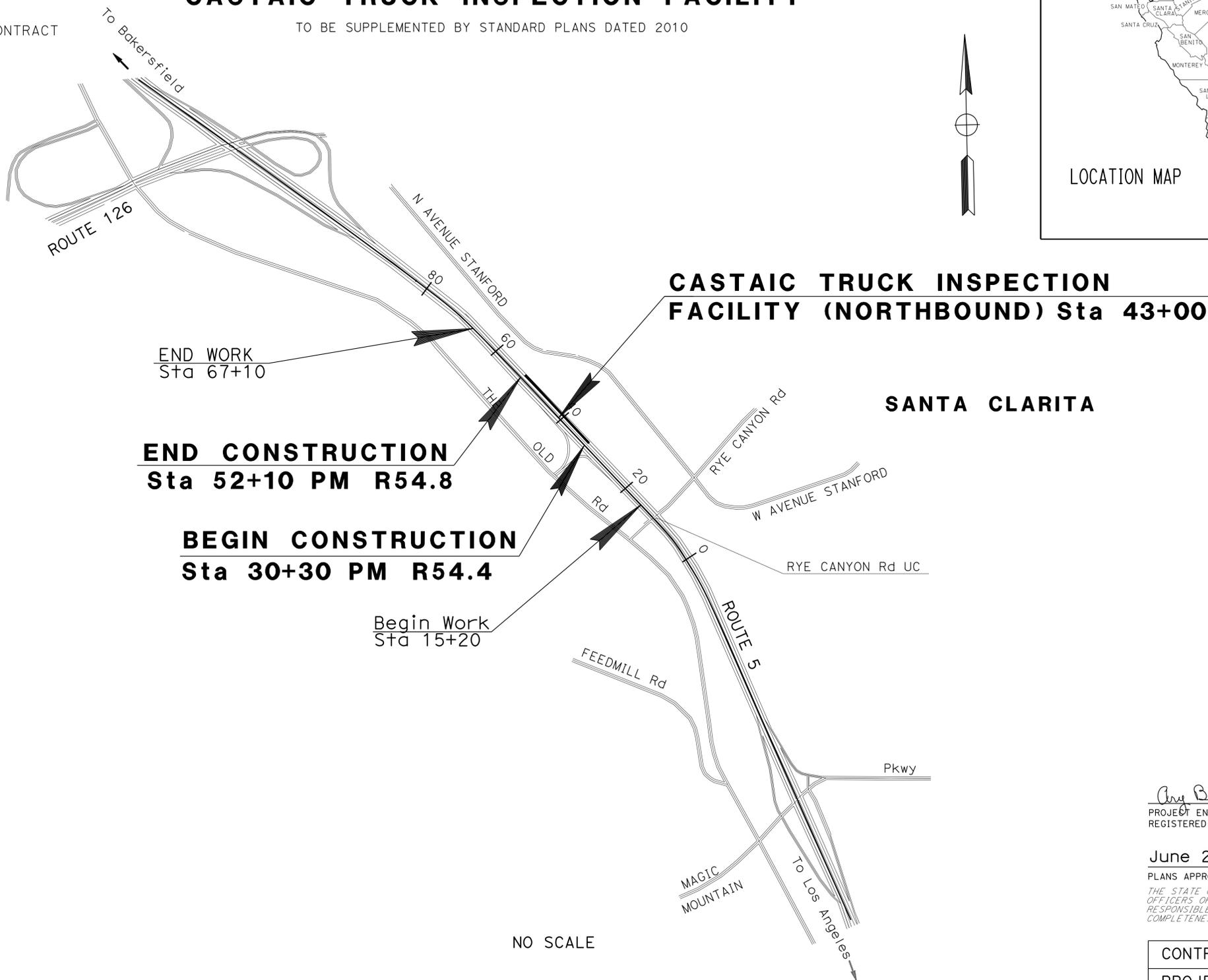
THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

**STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION**

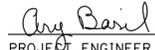
**PROJECT PLANS FOR BUILDING CONSTRUCTION ON
STATE HIGHWAY
IN LOS ANGELES COUNTY IN SANTA CLARITA
4.5 MILES SOUTH OF CASTAIC AT THE
CASTAIC TRUCK INSPECTION FACILITY**

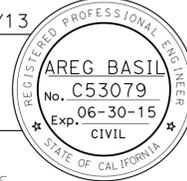
TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	1	79



PROJECT MANAGER	DAVID MIRAANY
DESIGN ENGINEER	AREG BASIL

 3/25/13
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER
June 24, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



CONTRACT No.	07-278804
PROJECT ID	0700020197

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

REVISOR BY
 EDGAR HERRERA

CALCULATED/DESIGNED BY
 EDGAR HERRERA

FUNCTIONAL SUPERVISOR
 GRISH BIGLARIAN

REVISOR BY
 AREG BASIL

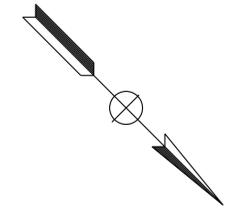
CHECKED BY
 AREG BASIL

NOTE:
 1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
 2. SEE CONSTRUCTION DETAILS FOR MINOR CONCRETE (TEXTURED PAVING).

LEGEND:
 MINOR CONCRETE (TEXTURED PAVING)
 COLD PLANE AC PAVEMENT AND PLACE HMA (TYPE A) (0.2' THICK)
 XX NUMBER OF BROKEN CONCRETE SLABS TO BE REPLACED.

CURVE DATA

○	R	DELTA	T	L
1	1500'	4°40'42"	61.27'	122.48'
2	2000'	5°06'46"	89.30'	178.47'
3	2000'	5°06'46"	89.30'	178.47'

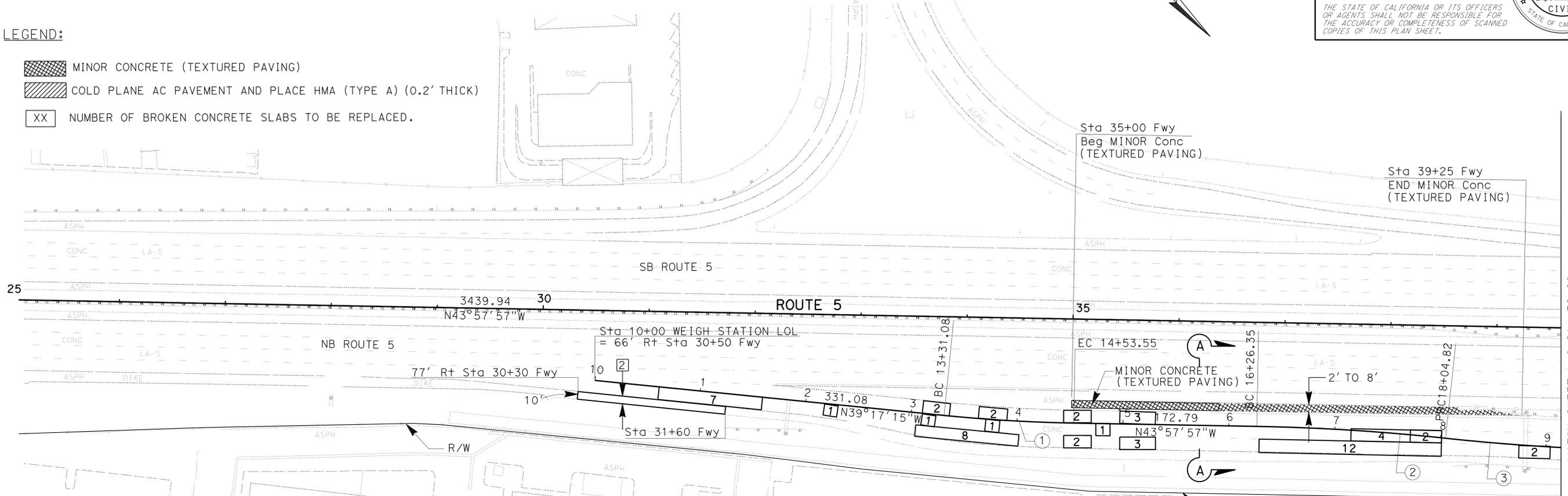


Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	2	79

AREG BASIL
 REGISTERED CIVIL ENGINEER DATE 3/25/13
 No. C53079
 Exp 6/30/15
 CIVIL
 STATE OF CALIFORNIA

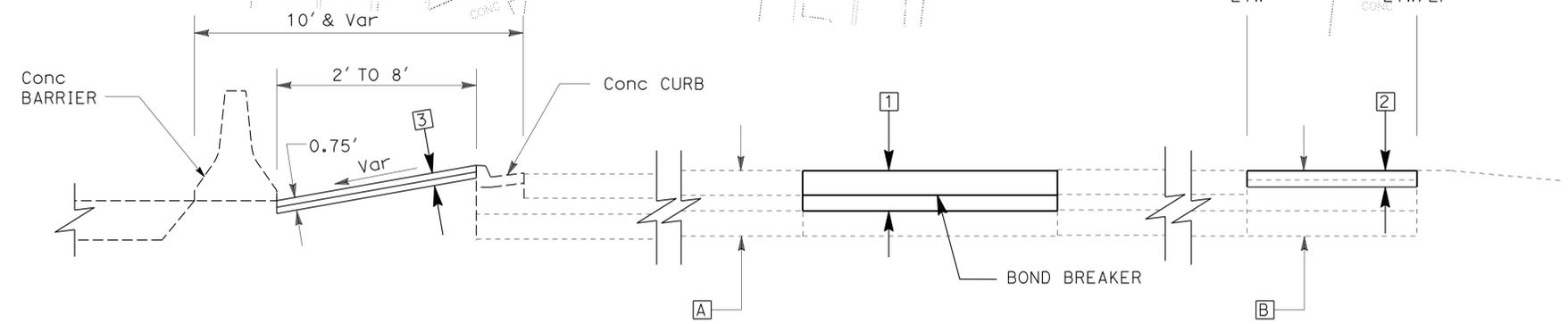
6-24-13
 PLANS APPROVAL DATE

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.



- TYPICAL STRUCTURAL SECTIONS**
- 1 0.85' INDIVIDUAL SLAB REPLACEMENT (RSC)
 BOND BREAKER
 0.50' REPLACE BASE
 - 2 0.50' HOT MIX ASPLALT (TYPE A)
 - 3 0.40' MINOR CONCRETE (TEXTURE PAVING)
 0.35' CLASS 3 AGGREGATE BASE
 - 4 0.20' COLD PLANE ASPHALT CONCRETE PAVEMENT
 0.20' HOT MIX ASPLALT (TYPE A)

- EXISTING STRUCTURAL SECTIONS**
- A 0.85' PORTLAND CEMENT CONCRETE
 0.50' LEAN CONCRETE BASE
 0.70' CLASS 3, AGGREGATE BASE
 - B 0.25' AC (TYPE B)
 1.10' AGGREGATE BASE
 0.70' CLASS 3, AGGREGATE BASE



CROSS SECTION A-A
 NO SCALE

Sta 35+00 Fwy TO Sta 39+25 Fwy
 Sta 45+20 Fwy TO Sta 50+00 Fwy

LAYOUT
 SCALE: 1" = 50'

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	3	79

AREG BASIL
 REGISTERED CIVIL ENGINEER DATE 3/25/13
 6-24-13
 PLANS APPROVAL DATE

AREG BASIL
 No. C53079
 Exp 6/30/15
 CIVIL

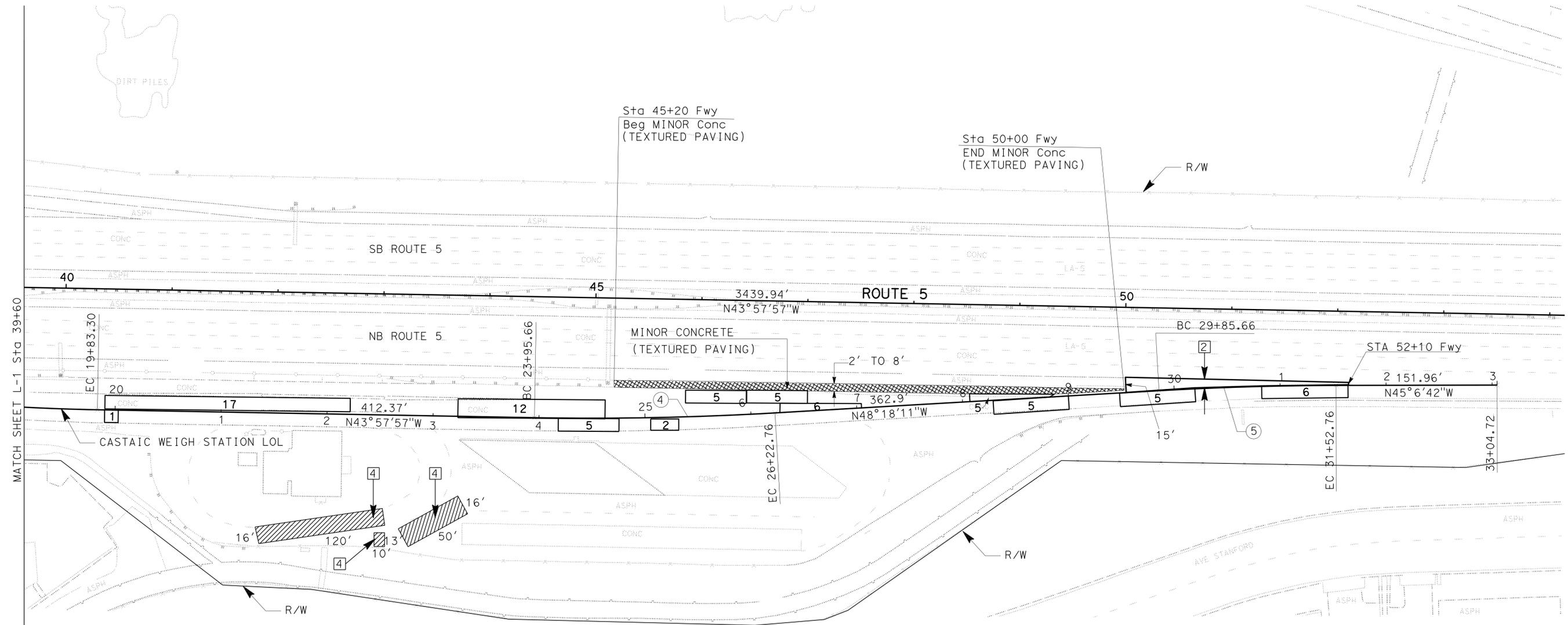
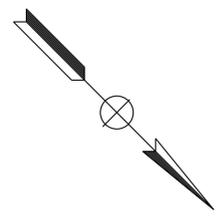
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

- FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
- SEE CONSTRUCTION DETAILS FOR MINOR CONCRETE (TEXTURED PAVING).

CURVE DATA

Circle	R	DELTA	T	L
4	3000'	4°20'14"	113.60'	227.10'
5	3000'	3°11'29"	83.57'	167.10'



LEGEND:

XX NUMBER OF BROKEN CONCRETE SLABS TO BE REPLACED.

LAYOUT
SCALE: 1" = 50'

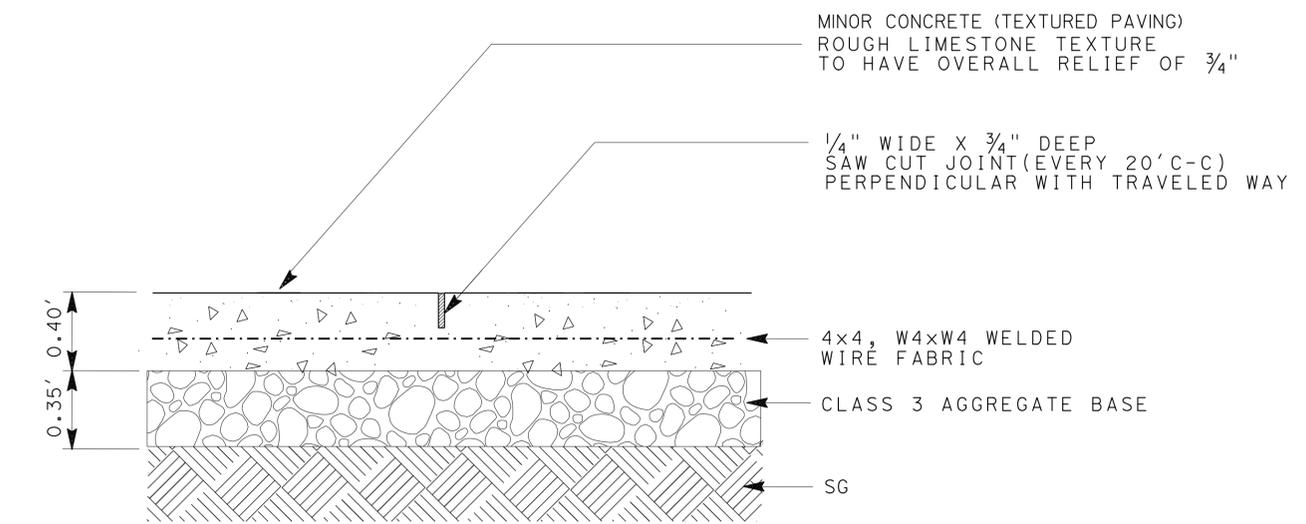
L-2

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN
 FUNCTIONAL SUPERVISOR GRISH BIGLIARTAN
 CALCULATED/DESIGNED BY EDGAR HERRERA
 CHECKED BY AREG BASIL
 REVISED BY DATE
 EDGAR HERRERA AREG BASIL

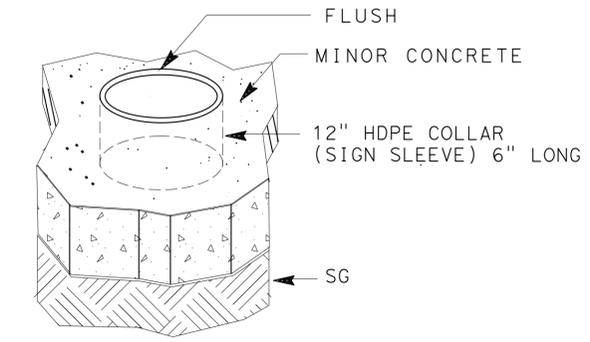
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	4	79


 LICENSED LANDSCAPE ARCHITECT
 6-24-13
 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.

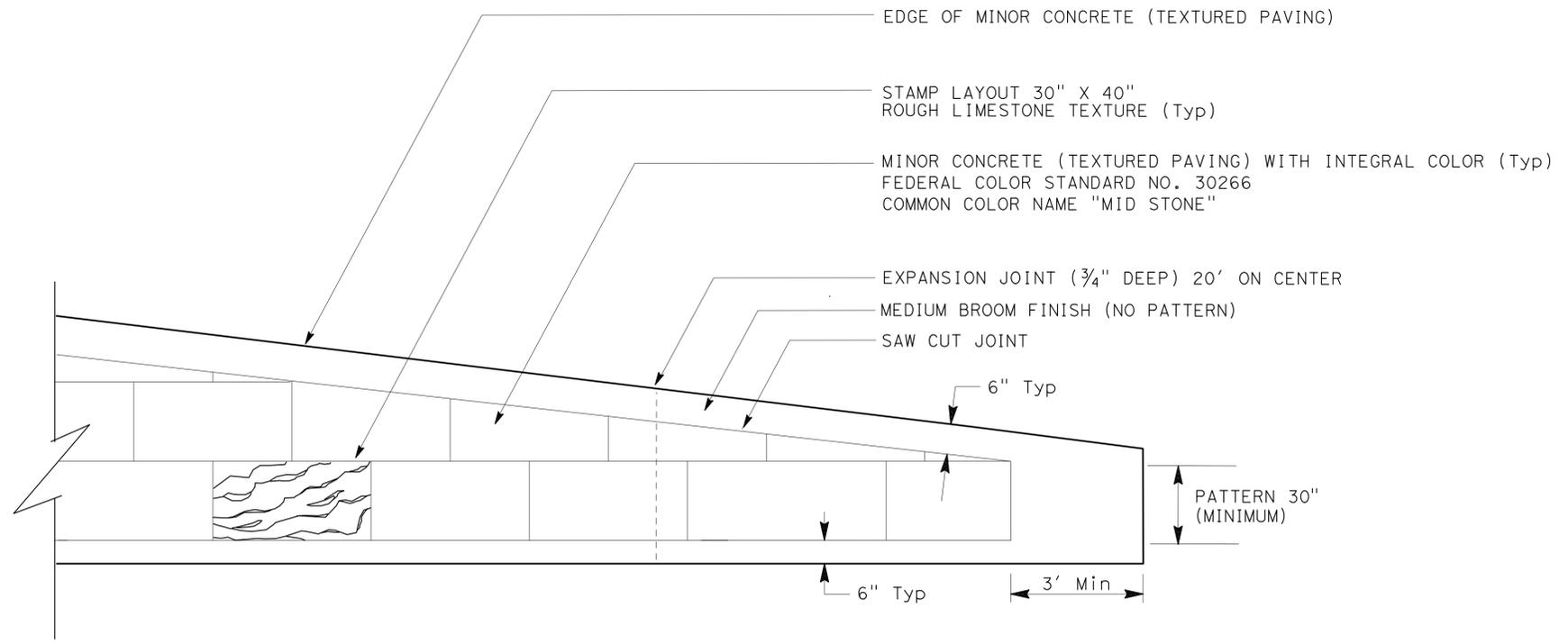


MINOR CONCRETE AND EXPANSION JOINT DETAIL



SIGN POST COLLAR DETAIL

NOTE:
 PLACE 12" Dia. HDPE (HIGH DENSITY POLYETHYLENE)
 COLLAR (6" LENGTH) AS FORM (CLEAR) AROUND POST



TYPICAL MINOR CONCRETE (TEXTURED PAVING) LAYOUT

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 LANDSCAPE ARCHITECTURE
 SENIOR LANDSCAPE ARCHITECT
 PATTY WATANABE
 DAHLIA PERSOFF
 JOSEPH J MILLMAN
 REVISOR BY
 DATE
 CHECKED BY
 DESIGNED BY

CONSTRUCTION DETAILS
 NO SCALE
C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans TRAFFIC DESIGN

REVISOR
 EDGAR HERRERA
 AREG BASIL

DESIGNER
 GRISH BIGLARIAN

FUNCTIONAL SUPERVISOR
 GRISH BIGLARIAN

DATE
 00-00-00

NOTES:

1. EXACT LOCATION OF THE SIGNS WILL BE DETERMINED BY THE ENGINEER.
2. "TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES" SIGNS SHALL BE PLACED APPROXIMATELY 500 FEET IN ADVANCE OF "ROAD WORK AHEAD" SIGNS OR AS DETERMINED BY THE ENGINEER.
3. XX-X : MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD DESIGNATIONS).
4. XX(CA) : CALIFORNIA DESIGNATION.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	5	79

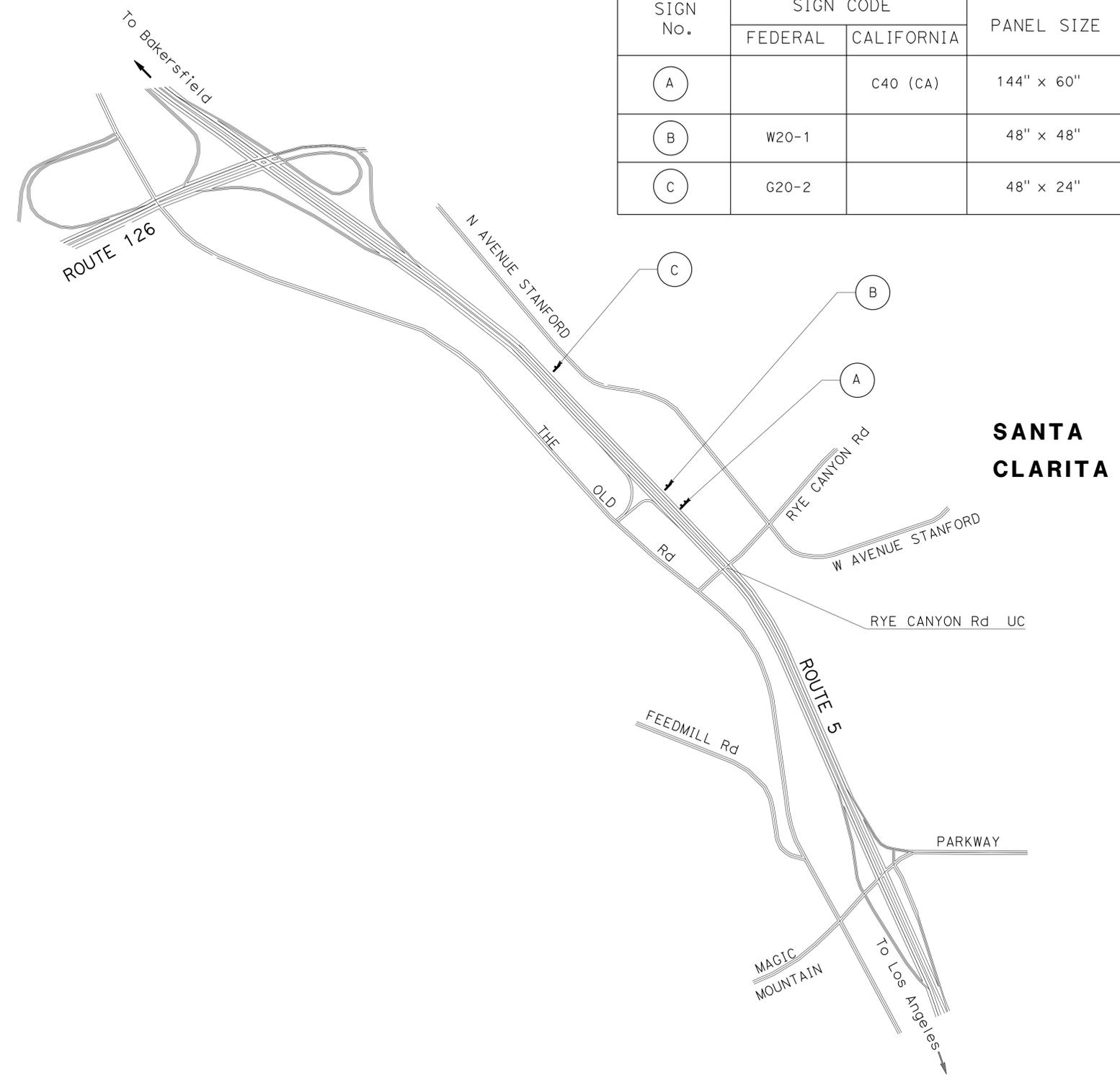
Areg Basil 3/25/13
 REGISTERED CIVIL ENGINEER DATE
 6-24-13
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AREG BASIL
 No. C53079
 Exp 6/30/15
 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.

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	SIGN CODE		PANEL SIZE	SIGN MESSAGE	No. OF POST AND SIZE	No. OF SIGNS
	FEDERAL	CALIFORNIA				
(A)		C40 (CA)	144" x 60"	TRAFFIC FINES DOUBLED IN CONSTRUCTION ZONES	2 - 6" x 8"	1
(B)	W20-1		48" x 48"	ROAD WORK AHEAD	1 - 6" x 6"	1
(C)	G20-2		48" x 24"	END ROAD WORK	1 - 4" x 6"	1



CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

APPROVED FOR CONSTRUCTION AREA SIGNS WORK ONLY.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	6	79

Arg Basil 3/25/13
 REGISTERED CIVIL ENGINEER DATE
 6-24-13
 PLANS APPROVAL DATE

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ROADWAY AND STRIPING QUANTITIES

SHEET No.	REPLACE BASE	COLD PLANE ASPHALT CONCRETE PAVEMENT	CLASS 3 AGGREGATE BASE	ROADWAY EXCAVATION	HOT MIX ASPHALT (TYPE A)	INDIVIDUAL SLAB REPLACEMENT (RSC)	MINOR CONCRETE (TEXTURED PAVING)	4" THERMOPLASTIC TRAFFIC STRIPE					THERMOPLASTIC PAVEMENT MARKINGS		PAVEMENT MARKERS	
								DETAIL 8 (BROKEN 17' - 7')	DETAIL "A" SOLID WHITE STRIPE	DETAIL 24 SOLID YELLOW STRIPE	DETAIL 25A SOLID YELLOW STRIPE	DETAIL 27B SOLID WHITE STRIPE	WORDS "SLOW" "5 MPH"	CHEVRON WHITE STRIPE	NON-REFLECTIVE TYPE "A"	RETROREFLECTIVE TYPE "H"
L-1	124		38	480	49	233	2,984	905	460	366	780	640	188	340	172	34
L-2	164	320	45	527	98	254	3,181	320	260		720	300		20		31
SUB TOTAL	288	320	83	1,007	147	487	6,165	1,225	720	366	1,500	940	188	360	172	65
TOTAL	288	320	83	1,007	147	487	6,165	1,225	3,526			548		172	65	

REMOVAL QUANTITIES

SHEET No.	REMOVE THERMOPLASTIC TRAFFIC STRIPE					REMOVE THERMOPLASTIC PAVEMENT MARKINGS		REMOVE PAVEMENT MARKER	
	DETAIL "A" SOLID WHITE STRIPE	DETAIL 8 (BROKEN 17' - 7')	DETAIL 24 SOLID YELLOW STRIPE	DETAIL 25A SOLID YELLOW STRIPE	DETAIL 27B SOLID WHITE STRIPE	WORDS	CROSSWALK / LIMIT LINE / DIAGONALS	TYPE A NON-REFLECTIVE	TYPE H RETROREFLECTIVE
L-1	460	905	366	780	640	188	340	172	34
L-2	260	320		720	300		20		31
SUB-TOTAL	720	1,225	366	1,500	940	188	360	172	65
TOTAL	4,751					548		237	

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

SHEET No.	TEMPORARY DRAINAGE INLET PROTECTION
L-1, L-2	4

SUMMARY OF QUANTITIES

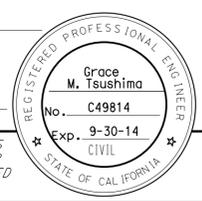
	M
Maint	MAINTENANCE
Max	MAXIMUM
MB	METAL BEAM
MBB	METAL BEAM BARRIER
MBGR	METAL BEAM GUARD RAILING
Med	MEDIAN
MGS	MIDWEST GUARDRAIL SYSTEM
MH	MANHOLE
Min	MINIMUM
Misc	MISCELLANEOUS
Misc I & S	MISCELLANEOUS IRON AND STEEL
Mkr	MARKER
Mod	MODIFIED, MODIFY
Mon	MONUMENT
MP	METAL PLATE
MPGR	METAL PLATE GUARD 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
SL	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
WWL	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
07	LA	5	R54.4/R54.8	7	79
<i>Grace M. Tsushima</i> REGISTERED CIVIL ENGINEER					
July 19, 2013 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



TO ACCOMPANY PLANS DATED 6-24-13

UNIT OF MEASUREMENT SYMBOLS:

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

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:

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
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kip	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)**

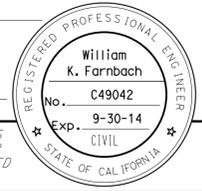
NO SCALE

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

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	7A	79

William K. Farnbach
 REGISTERED CIVIL ENGINEER
 July 19, 2013
 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.



TO ACCOMPANY PLANS DATED 6-24-13

LEGEND:

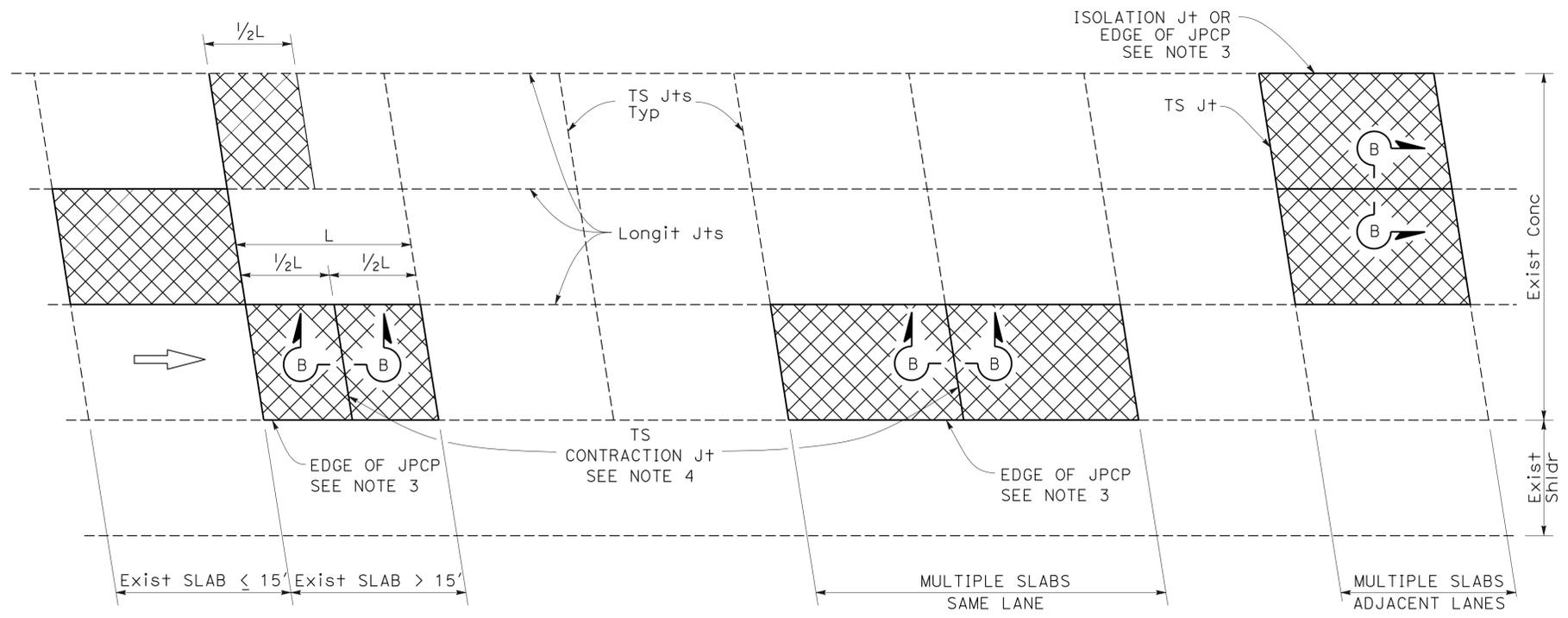
- RSC RAPID STRENGTH CONCRETE
- INDIVIDUAL SLAB REPLACEMENT WITH RSC

NOTES:

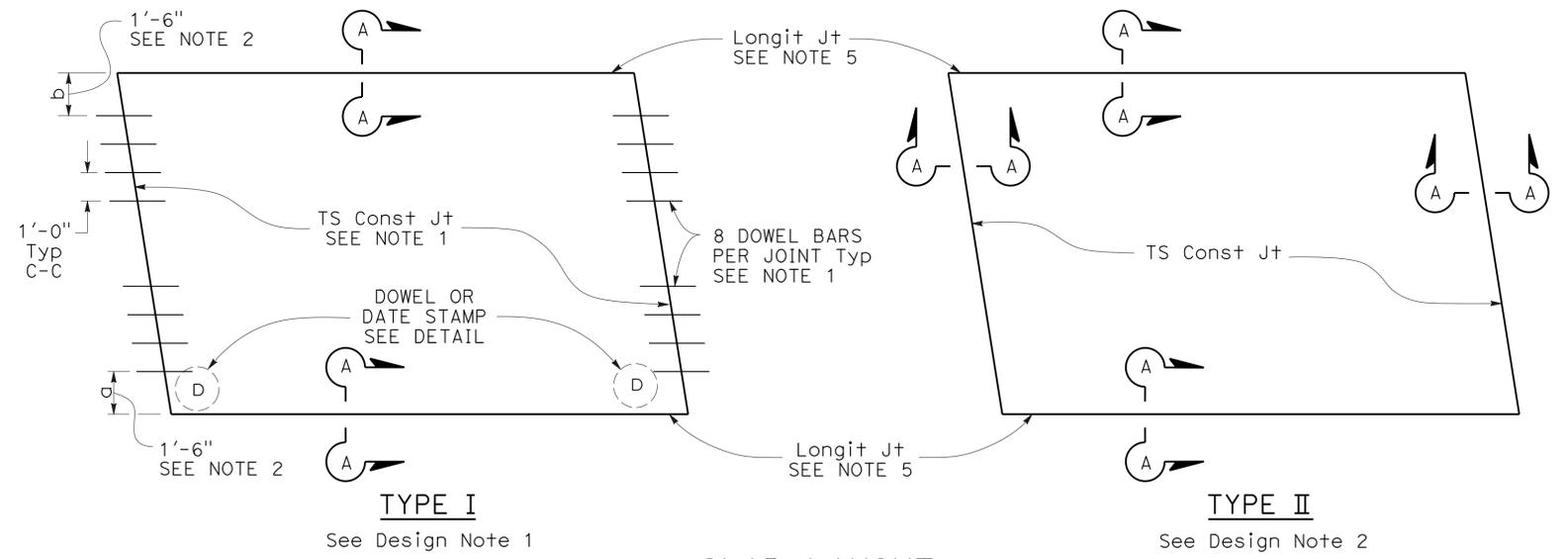
1. For details not shown, see Revised Standard Plan RSP P10.
2. Where the existing outside shoulder is asphalt concrete pavement, "a" = 1'-0" and "b" = 2'-0".
3. Use side forms where edge of RSC pavement is adjacent to asphalt concrete.
4. Transverse contraction joint to match skew of existing joint. Omit dowel bars.
5. Do not place tie bars at longitudinal joints.

DESIGN NOTES:

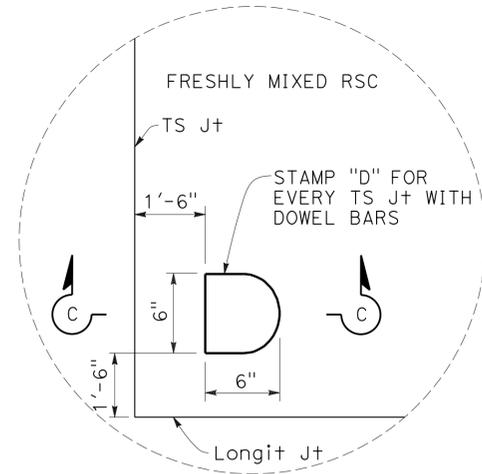
1. For concrete slab repair with at least 5 years design life.
2. For short term repairs < 5 yrs design life or for slab replacements with cracking and seating.



PLAN



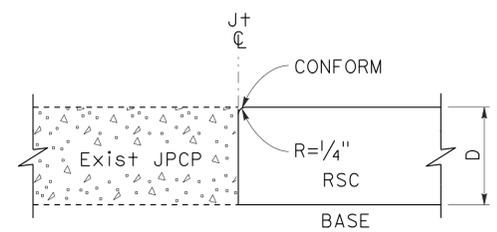
SLAB LAYOUT



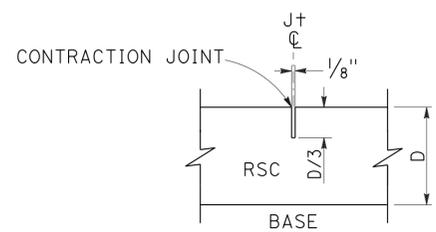
DOWEL STAMP DETAIL



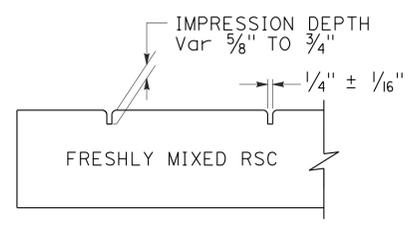
DATE STAMP DETAIL



SECTION A-A



SECTION B-B



SECTION C-C

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

INDIVIDUAL SLAB REPLACEMENT WITH RAPID STRENGTH CONCRETE

NO SCALE

RSP P8 DATED JULY 19, 2013 SUPERSEDES RSP P8 DATED APRIL 20, 2012 AND STANDARD PLAN P8 DATED MAY 20, 2011 - PAGE 130 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP P8

2010 REVISED STANDARD PLAN RSP P8

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	8	79

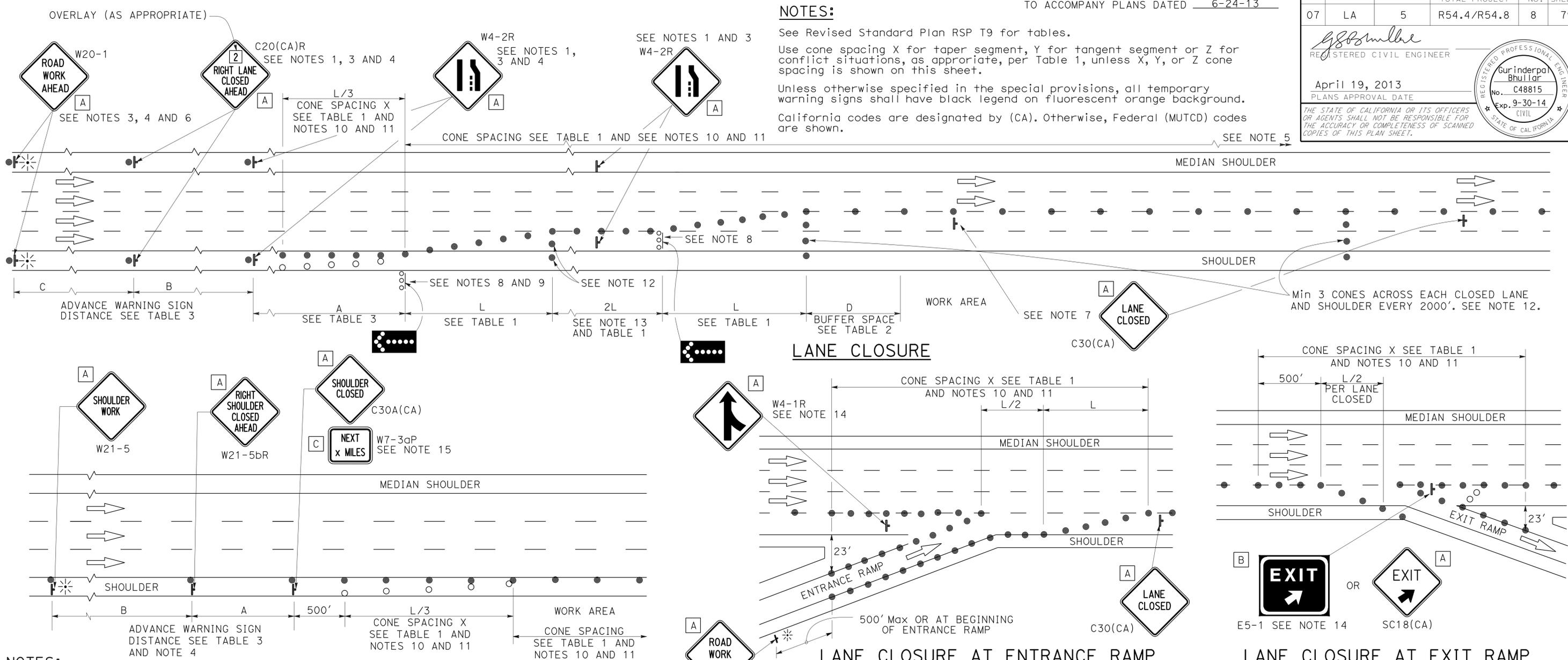
REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER
 Gurinderpal Bhullar
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

TO ACCOMPANY PLANS DATED 6-24-13

NOTES:

See Revised Standard Plan RSP T9 for tables.
 Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
 Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
 California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.



NOTES:

1. Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
2. At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
3. Duplicate sign installations are not required:
 - a) On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - b) In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
4. Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
5. A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

SHOULDER CLOSURE

6. If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA)L and W4-2L signs shall be used.
7. Place a C30(CA) sign every 2000' throughout length of lane closure.
8. One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
9. A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
10. All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
11. Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

LANE CLOSURE AT ENTRANCE RAMP

12. Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
13. Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
14. Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
15. A W7-3aP "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- † TEMPORARY TRAFFIC CONTROL SIGN
- FLASHING ARROW SIGN (FAS)
- FAS SUPPORT OR TRAILER
- ☼ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 72" x 60"
- C 36" x 30"

TRAFFIC CONTROL SYSTEM FOR LANE CLOSURE ON FREEWAYS AND EXPRESSWAYS

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10 DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

2010 REVISED STANDARD PLAN RSP T10

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- † TEMPORARY TRAFFIC CONTROL SIGN
- ‡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	9	79

Gurinderpal Bhullar
 REGISTERED CIVIL ENGINEER
 No. C48815
 Exp. 9-30-14
 CIVIL
 STATE OF CALIFORNIA

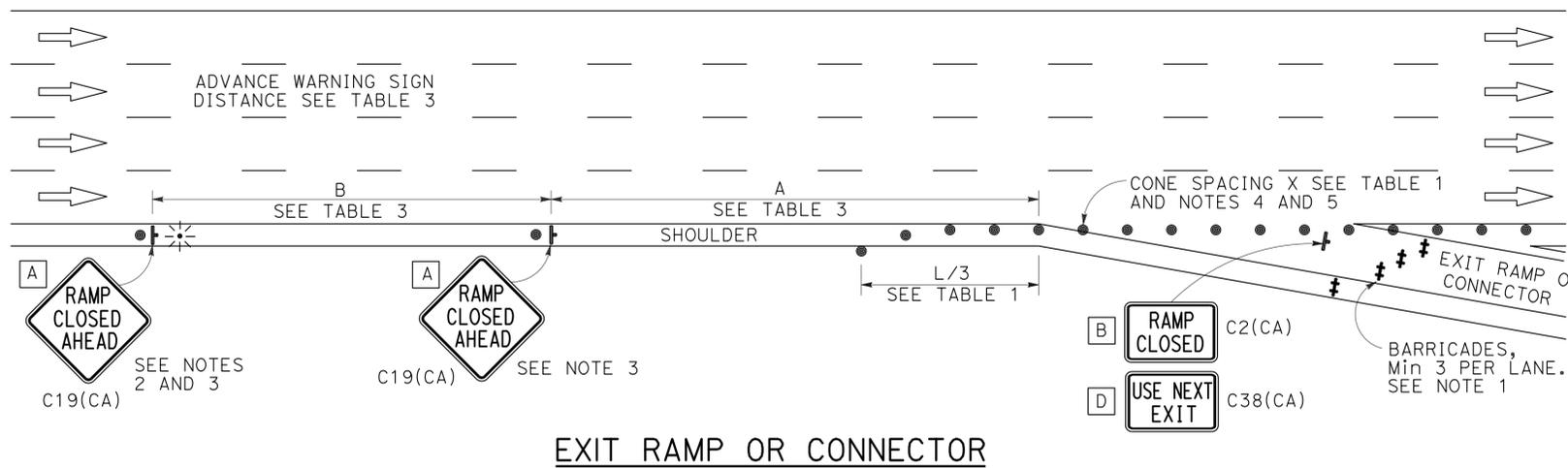
April 19, 2013
 PLANS APPROVAL DATE

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.

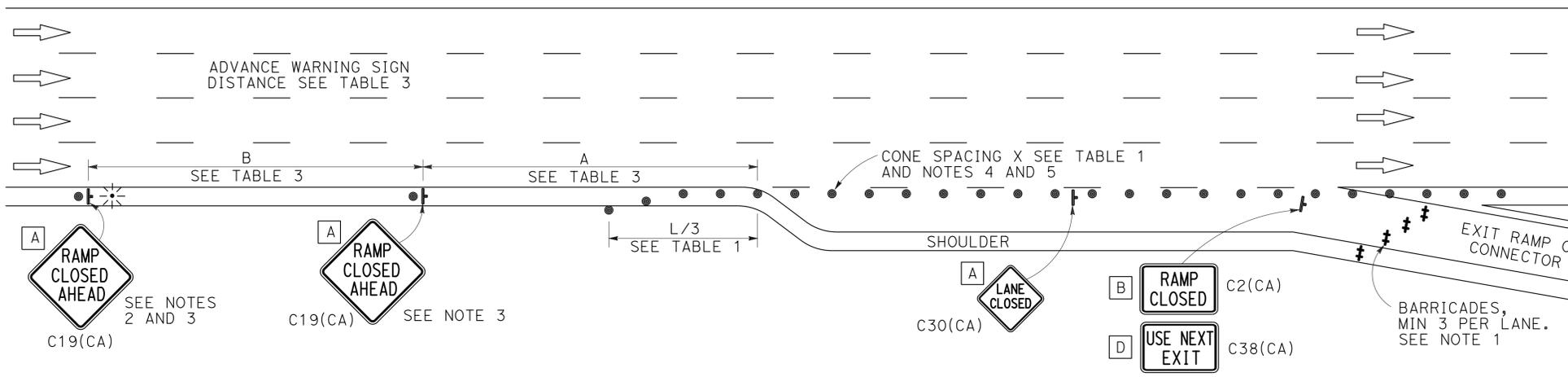
TO ACCOMPANY PLANS DATED 6-24-13

NOTES:

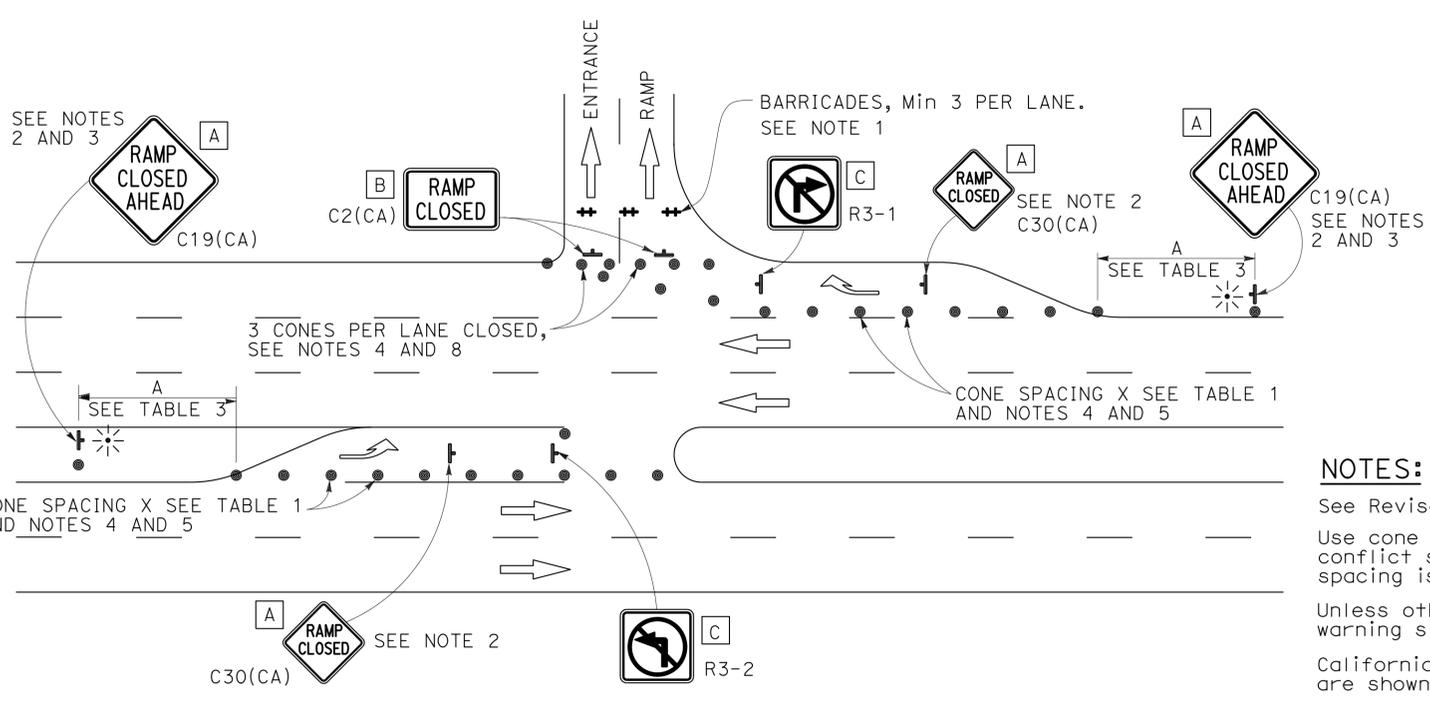
- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, black on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.



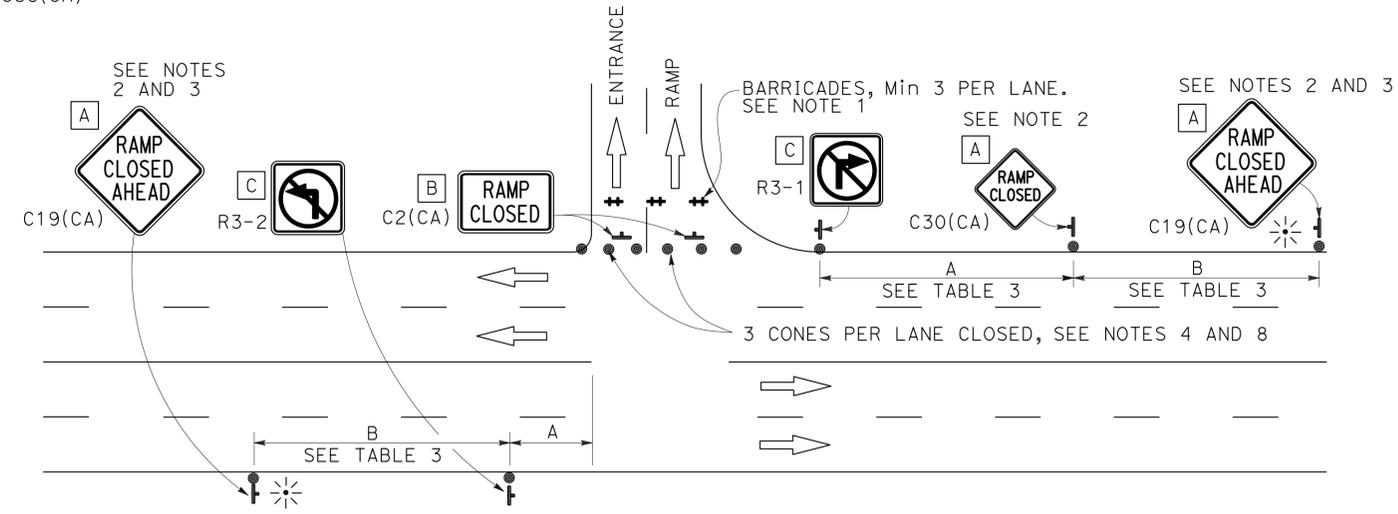
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

- See Revised Standard Plan RSP T9 for tables.
- Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
- Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
- California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T14

2010 REVISED STANDARD PLAN RSP T14

LEGEND:

- AB** ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
- BC** INSTALL PULL BOX IN EXISTING CONDUIT RUN
- BP** PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
- CB** INSTALL CONDUIT INTO EXISTING PULL BOX
- CC** CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
- CF** CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
- DH** DETECTOR HANDHOLE
- FA** FOUNDATION TO BE ABANDONED
- IS** INSTALL SIGN ON SIGNAL MAST ARM
- NS** NO SLIP BASE ON STANDARD
- PEC** PHOTOELECTRIC CONTROL
- PEU** PHOTOELECTRIC UNIT
- RC** EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
- RE** REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
- RL** RELOCATE EQUIPMENT
- RR** REMOVE AND REUSE EQUIPMENT
- RS** REMOVE AND SALVAGE EQUIPMENT
- SC** SPLICE NEW TO EXISTING CONDUCTORS
- SD** SERVICE DISCONNECT
- TSP** TELEPHONE SERVICE POINT

ABBREVIATIONS

- | | | | |
|-------|---|-------|--------------------------------------|
| APS | ACCESSIBLE PEDESTRIAN SIGNAL | M/M | MULTIPLE TO MULTIPLE TRANSFORMER |
| BBS | BATTERY BACKUP SYSTEM | Mtg | MOUNTING |
| BC | BOLT CIRCLE | MV | MERCURY VAPOR LIGHTING FIXTURE |
| BPB | BICYCLE PUSH BUTTON | MVDS | MICROWAVE VEHICLE DETECTION SYSTEM |
| C | CONDUIT | N | NEUTRAL (GROUNDED CONDUCTOR) |
| CB | CIRCUIT BREAKER | NB | NEUTRAL BUS |
| CCTV | CLOSED CIRCUIT TELEVISION | NC | NORMALLY CLOSE |
| Ckt | CIRCUIT | NO | NORMALLY OPEN |
| CMS | CHANGEABLE MESSAGE SIGN | P | CIRCUIT BREAKER'S POLE |
| C+id | CALTRANS IDENTIFICATION | PB | PULL BOX |
| Comm | COMMUNICATION | PBA | PUSH BUTTON ASSEMBLY |
| DLC | LOOP DETECTOR LEAD-IN CABLE | PEC | PHOTOELECTRIC CONTROL |
| EMS | EXTINGUISHABLE MESSAGE SIGN | Ped | PEDESTRIAN |
| EVUC | EMERGENCY VEHICLE UNIT CABLE | PEU | PHOTOELECTRIC UNIT |
| EVUD | EMERGENCY VEHICLE UNIT DETECTOR | PT | CONDUIT WITH PULL TAPE |
| FB | FLASHING BEACON | RE | RELOCATED EQUIPMENT |
| FBCA | FLASHING BEACON CONTROL ASSEMBLY | RM | RAMP METERING |
| FBS | FLASHING BEACON WITH SLIP BASE | RWIS | ROADSIDE WEATHER INFORMATION SYSTEM |
| FO | FIBER OPTIC | SB | SLIP BASE |
| G | EQUIPMENT GROUNDING CONDUCTOR | SIC | SIGNAL INTERCONNECT CABLE |
| GB | GROUND BUS | Sig | SIGNAL |
| GFCI | GROUND FAULT CIRCUIT INTERRUPTER | SMA | SIGNAL MAST ARM |
| HAR | HIGHWAY ADVISORY RADIO | SNS | STREET NAME SIGN |
| Hex | HEXAGONAL | SP | SERVICE POINT |
| HPS | HIGH PRESSURE SODIUM | TDC | TELEPHONE DEMARCATION CABINET |
| IISNS | INTERNALLY ILLUMINATED STREET NAME SIGN | TMS | TRAFFIC MONITORING STATION |
| ISL | INDUCTION SIGN LIGHTING | TOS | TRAFFIC OPERATIONS SYSTEM |
| LED | LIGHT EMITTING DIODE | Veh | VEHICLE |
| LMA | LUMINAIRE MAST ARM | VIVDS | VIDEO IMAGE VEHICLE DETECTION SYSTEM |
| LPS | LOW PRESSURE SODIUM | WIM | WEIGH-IN-MOTION |
| Ltg | LIGHTING | Xfmr | TRANSFORMER |
| Lum | LUMINAIRE | | |
| M | METERED | | |
| MAT | MAST ARM MOUNTING TOP ATTACHMENT | | |
| MAS | MAST ARM MOUNTING SIDE ATTACHMENT | | |

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10	79

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
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 6-24-13

SOFFIT AND WALL MOUNTED LUMINAIRES

- PENDANT, 70 W HPS UNLESS OTHERWISE SPECIFIED
- FLUSH, 70 W HPS UNLESS OTHERWISE SPECIFIED
- WALL SURFACE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO REMAIN UNMODIFIED
- EXISTING SOFFIT OR WALL LUMINAIRE TO BE MODIFIED AS SPECIFIED

NOTE:
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1A

MISCELLANEOUS ELECTROLIERS

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT NOTES OR PROJECT PLANS)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

NOTES:

- HPS luminaires shall be 310 W HPS when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. HPS luminaires shall be 200 W when installed on other type standards or poles, unless otherwise specified.
- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

STANDARD ELECTROLIER

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

2010 REVISED STANDARD PLAN RSP ES-1A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10A	79

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

Theresa Aziz Gabriel
No. E15129
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TO ACCOMPANY PLANS DATED 6-24-13

CONDUIT

NEW	EXISTING	
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
---	---	TRAFFIC SIGNAL CONDUIT
---C---	---c---	COMMUNICATION CONDUIT
---T---	---t---	TELEPHONE CONDUIT
---F---	---f---	FIRE ALARM CONDUIT
---FO---	---fo---	FIBER OPTIC CONDUIT
---	---	CONDUIT TERMINATION
		CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

SIGNAL EQUIPMENT

NEW	EXISTING	
		PEDESTRIAN SIGNAL HEAD "C" INDICATES COUNTDOWN PEDESTRIAN HEAD
		PUSH BUTTON ASSEMBLY POST
		PEDESTRIAN BARRICADE
		VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
		VEHICLE SIGNAL HEAD WITH ANGLE VISOR
		MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "8" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
		VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
		VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
		VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
		TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
		STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
		TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
		STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
		CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

SERVICE EQUIPMENT

NEW	EXISTING	
---OH---	---oh---	OVERHEAD LINES
		WOOD POLE, "U" INDICATES UTILITY OWNED
		POLE GUY WITH ANCHOR
		UTILITY TRANSFORMER - GROUND MOUNTED
		SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
		TELEPHONE DEMARCATION CABINET

POLE-MOUNTED SERVICE DESIGNATION

	TYPE H SERVICE, 28'-10"	TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE
--	-------------------------	--

FLASHING BEACON

NEW	EXISTING	
		FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
		FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
		FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

SIGNAL EQUIPMENT Cont

NEW	EXISTING	
		GUARD POST
		TYPE 1 STANDARD WITH RAMP METERING SIGN
		OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION SYSTEM

NOTES:

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

ILLUMINATED OVERHEAD SIGN

NEW	EXISTING	
		SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
		SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
		DOUBLE POST, SINGLE ILLUMINATED SIGN
		SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
		DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS
(LEGEND AND ABBREVIATIONS)**

NO SCALE

RSP ES-1B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1B DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1B

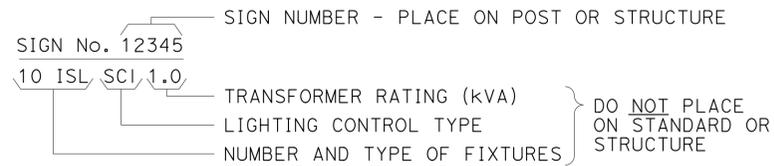
2010 REVISED STANDARD PLAN RSP ES-1B



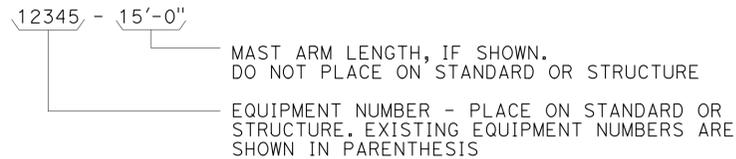
TO ACCOMPANY PLANS DATED 6-24-13

EQUIPMENT IDENTIFICATION

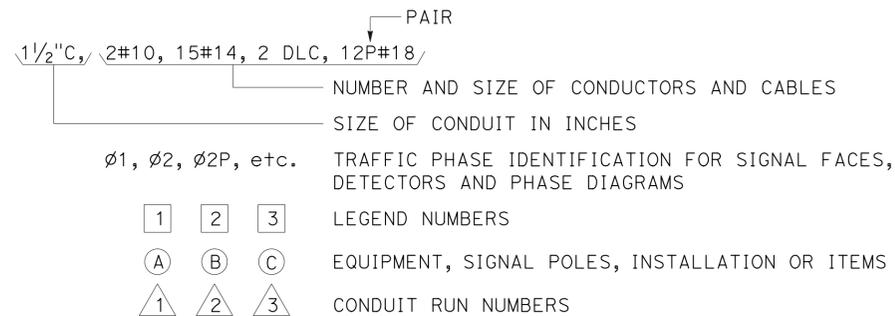
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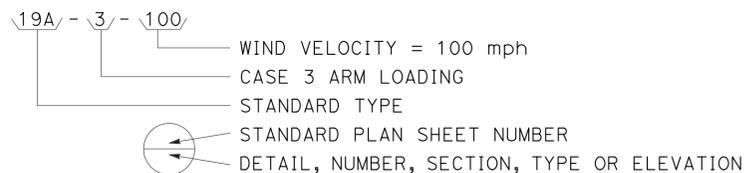
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



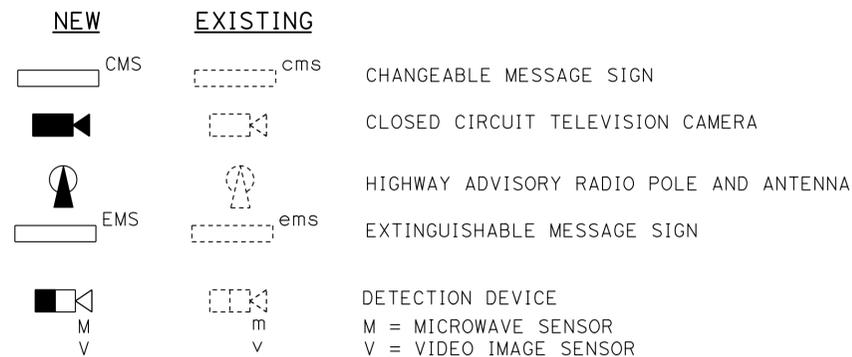
CONDUIT AND CONDUCTOR IDENTIFICATION:



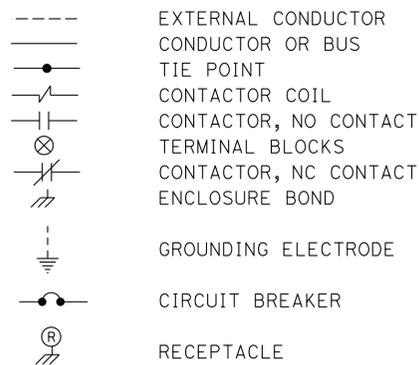
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



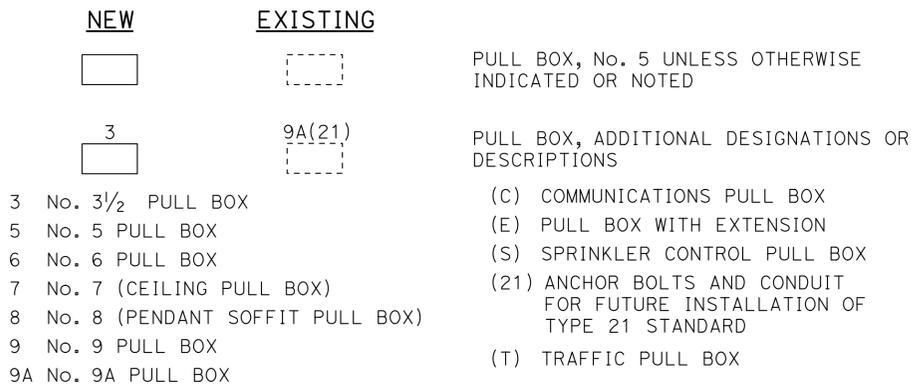
MISCELLANEOUS EQUIPMENT



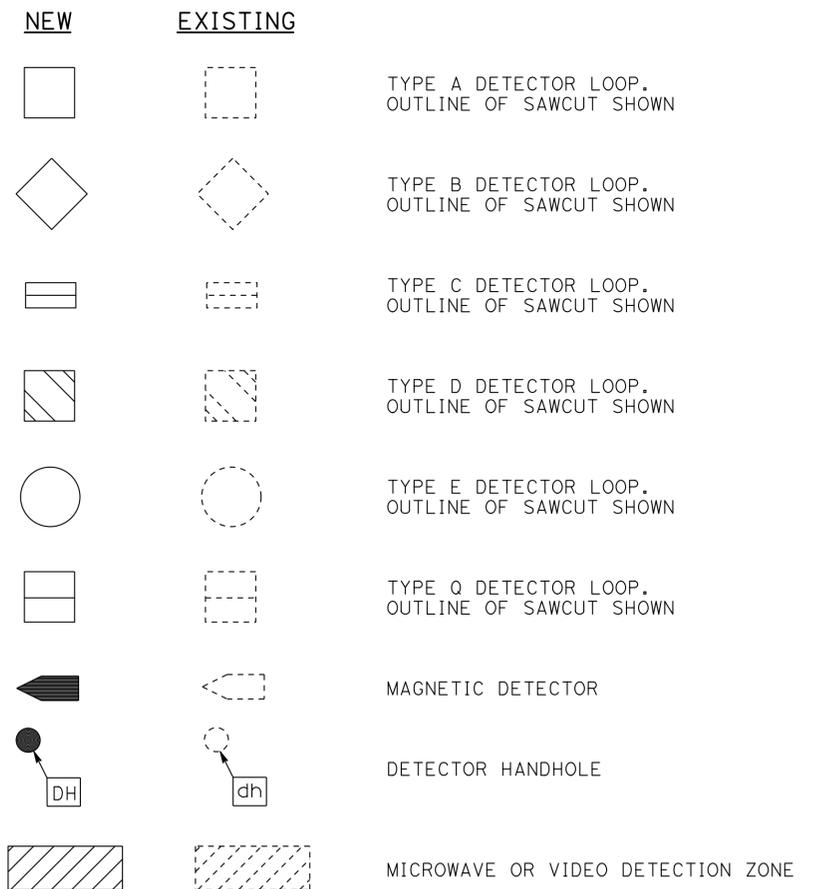
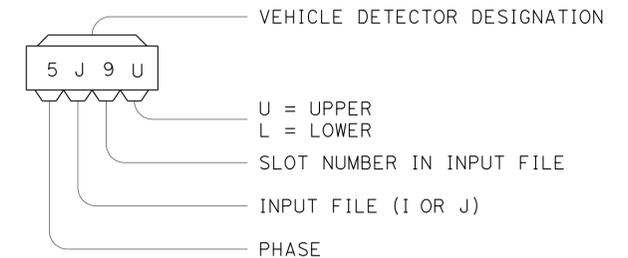
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS



STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-1C

2010 REVISED STANDARD PLAN RSP ES-1C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10C	79

Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

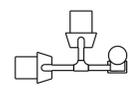
July 19, 2013
PLANS APPROVAL DATE

Theresa
Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

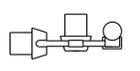
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TO ACCOMPANY PLANS DATED 6-24-13

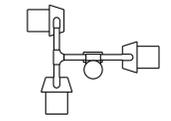
2010 REVISED STANDARD PLAN RSP ES-4A



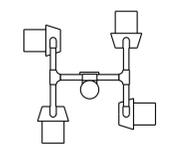
SV-2-TD



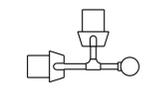
SV-2-TC



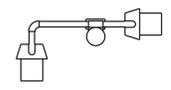
SV-3-TC



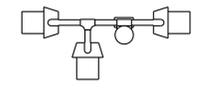
SV-4-TC



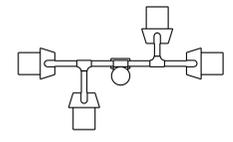
SV-2B



SV-2-TB

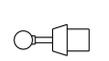


SV-3-TB

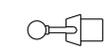


SV-4-TB

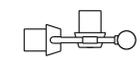
PLAN VIEW OF OTHER
SIDE MOUNTINGS



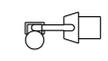
SV



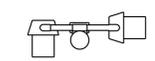
SV-1



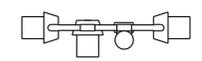
SV-2A



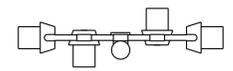
SV-1-T



SV-2-TA



SV-3-TA



SV-4-TA

SIDE MOUNTINGS

ABBREVIATIONS:

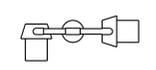
- SV SIDE MOUNTED VEHICLE SIGNALS
- T TERMINAL COMPARTMENT
- TV TOP MOUNTED VEHICLE SIGNALS
- 1, 2, 3, 4 NUMBER OF SIGNAL FACES
(3 - SECTION, UNLESS OTHERWISE INDICATED)
- A, B, C, D CONFIGURATION OF SIGNALS

NOTES:

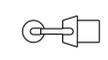
1. Mountings shall be oriented to provide maximum horizontal clearance to adjacent roadway.
2. Bracket arms shall be long enough to permit proper alignment of signals and backplate installation.
3. See Standard Plans ES-4D and ES-4E for attachment fitting details.



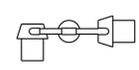
TV-1



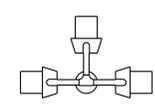
TV-2



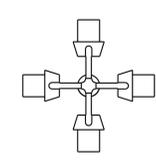
TV-1-T



TV-2-T



TV-3-T



TV-4-T

PLAN VIEW OF
TOP MOUNTINGS

TOP MOUNTINGS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
(VEHICULAR SIGNAL HEADS
AND MOUNTINGS)**

NO SCALE

RSP ES-4A DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-4A
DATED MAY 20, 2011 - PAGE 443 OF THE STANDARD PLANS BOOK DATED 2010.

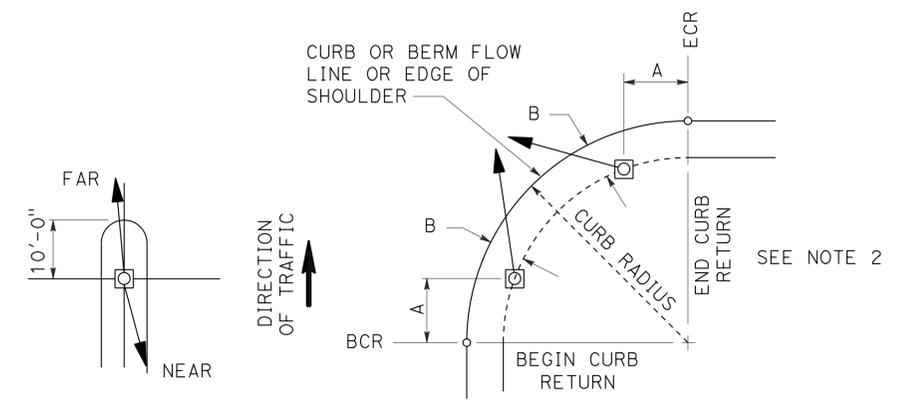
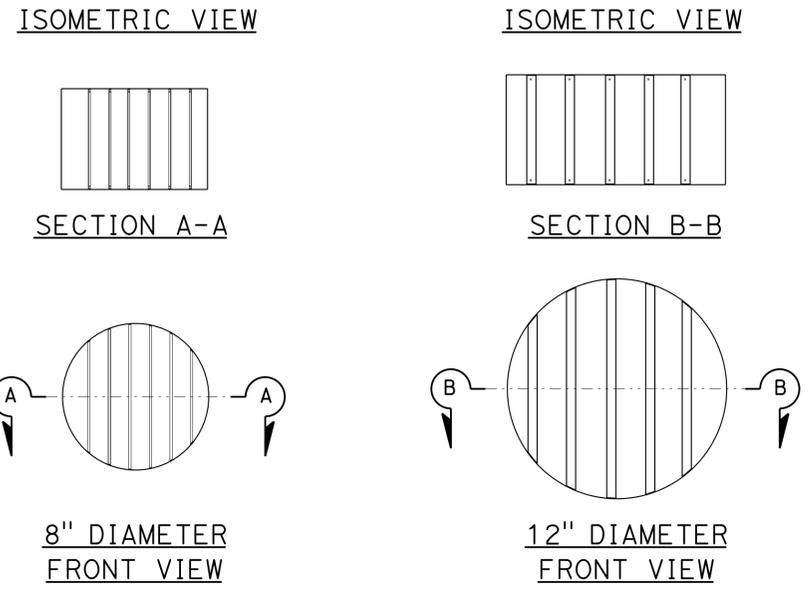
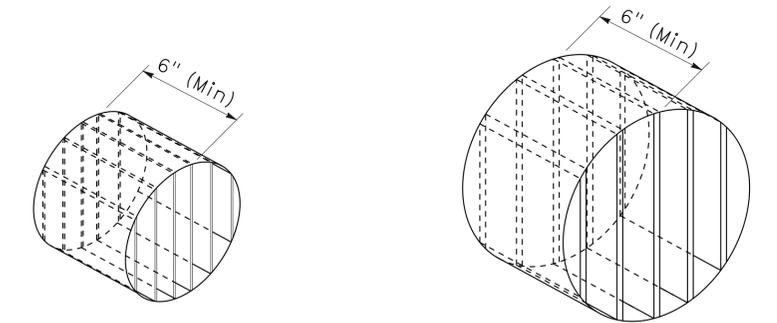
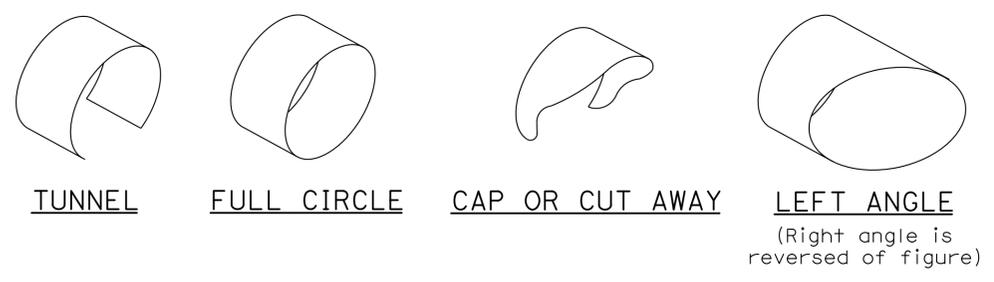
REVISED STANDARD PLAN RSP ES-4A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10D	79

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE
 Theresa Aziz Gabriel
 No. E15129
 Exp. 6-30-14
 ELECTRICAL
 STATE OF CALIFORNIA

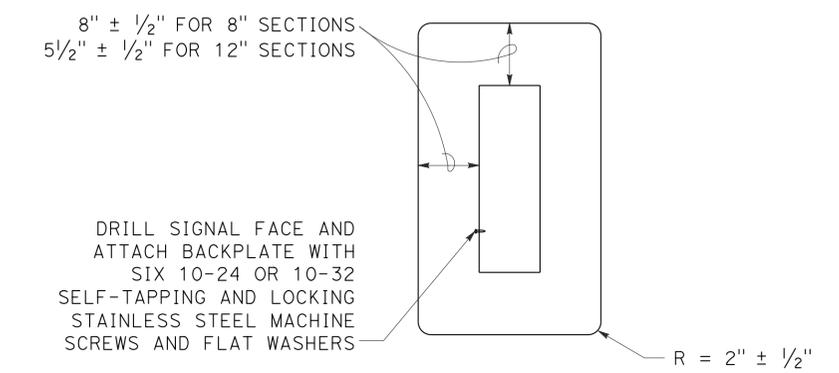
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TO ACCOMPANY PLANS DATED 6-24-13



- NOTES:**
1. Typical signal pole placement unless dimensioned on plans.
 2. For A and B dimensions, see Pole Schedule, or as directed by the Engineer.

VISORS



8" AND 12" SECTIONS

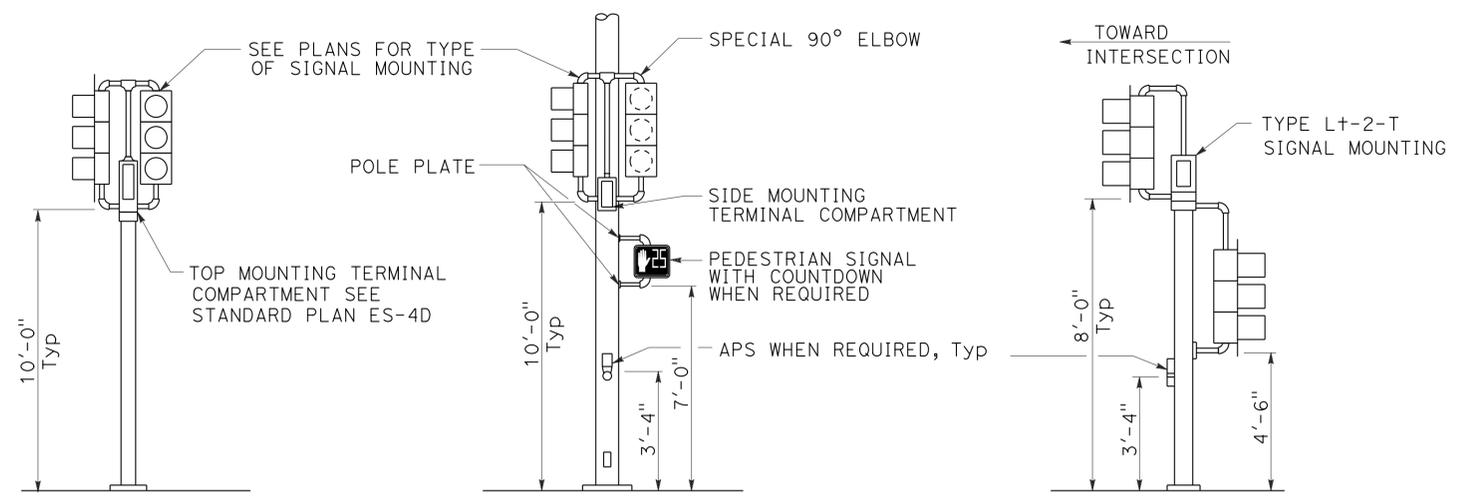
BACKPLATE

1/16" minimum thickness
3001-14 aluminum or plastic when specified

DIRECTIONAL LOUVER

Directional louvers shall be oriented as directed by the Engineer and secured in place with one plated brass machine screw and nut.

SIGNAL STANDARD PLACEMENT DIMENSIONS AND EQUIPMENT LOCATIONS



TOP MOUNTED SIGNALS (TV)

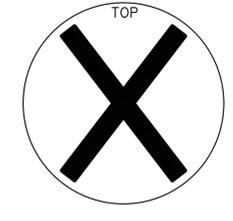
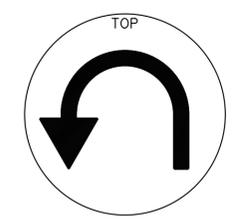
Type 1-A, 1-B, 1-C and 1-D standard as indicated on the plans

SIDE MOUNTED SIGNALS (SV AND SP)

Normally used on standards with luminaire or signal mast arm

LEFT TURN LANE SIGNAL

Type 1-A, 1-B, 1-C and 1-D standard as indicated on plans



SIGNAL FACES

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (VEHICULAR SIGNAL HEADS AND MOUNTINGS)

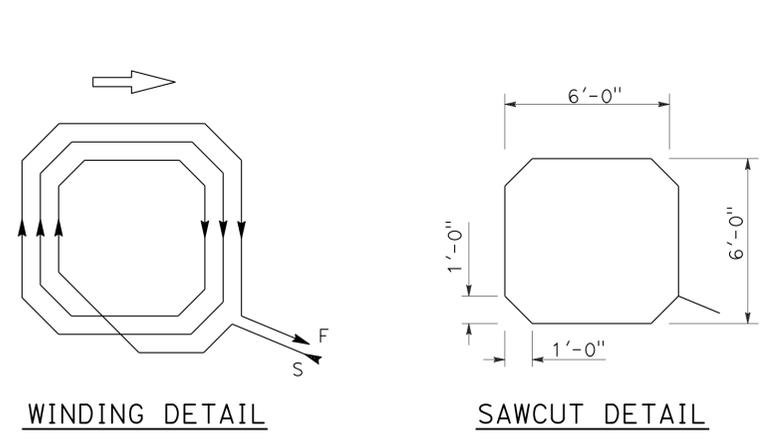
NO SCALE

RSP ES-4C DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-04C DATED MAY 20, 2011 - PAGE 445 OF THE STANDARD PLANS BOOK DATED 2010.

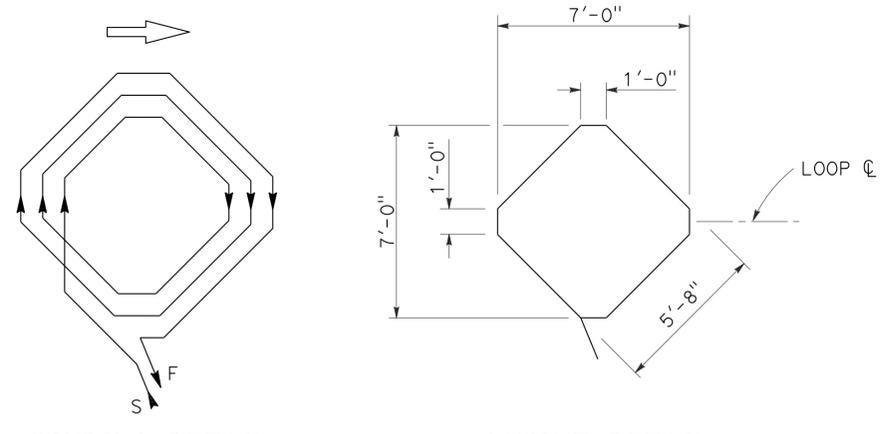
2010 REVISED STANDARD PLAN RSP ES-4C

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10E	79
<i>Theresa Gabriel</i> REGISTERED ELECTRICAL ENGINEER July 19, 2013 PLANS APPROVAL DATE <small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					
REGISTERED PROFESSIONAL ENGINEER Theresa Aziz Gabriel No. E15129 Exp. 6-30-14 ELECTRICAL STATE OF CALIFORNIA					

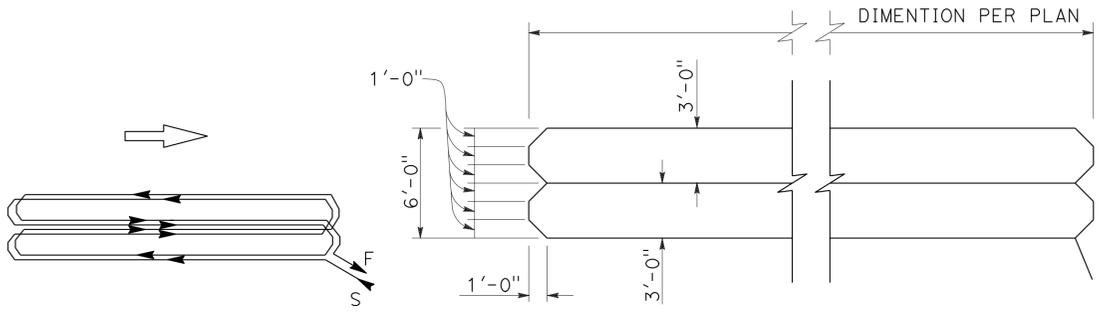
TO ACCOMPANY PLANS DATED 6-24-13



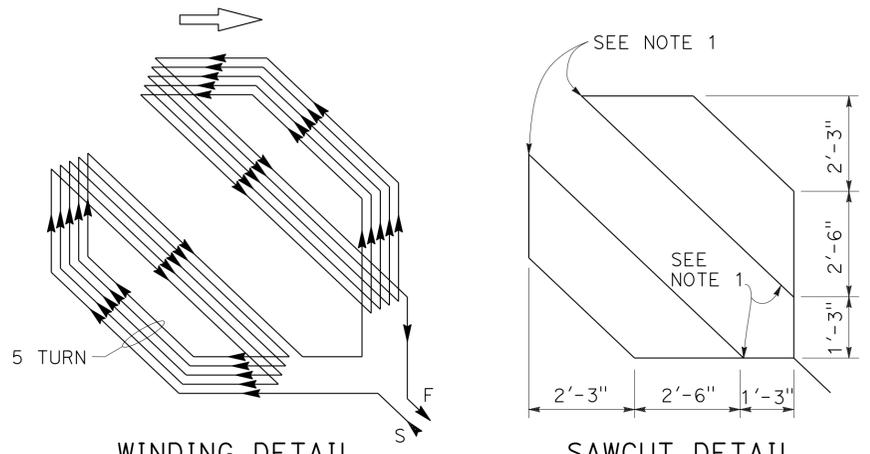
WINDING DETAIL
SAWCUT DETAIL
TYPE A LOOP DETECTOR CONFIGURATION



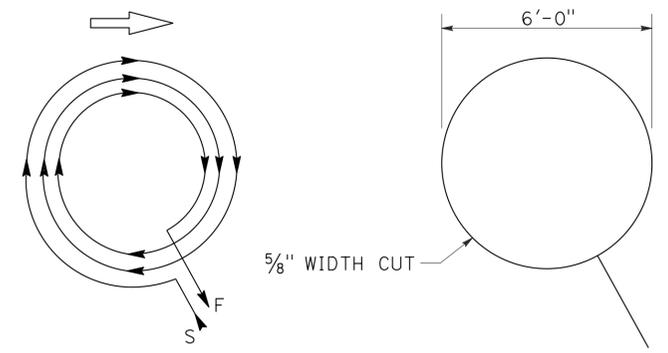
WINDING DETAIL
SAWCUT DETAIL
TYPE B LOOP DETECTOR CONFIGURATION



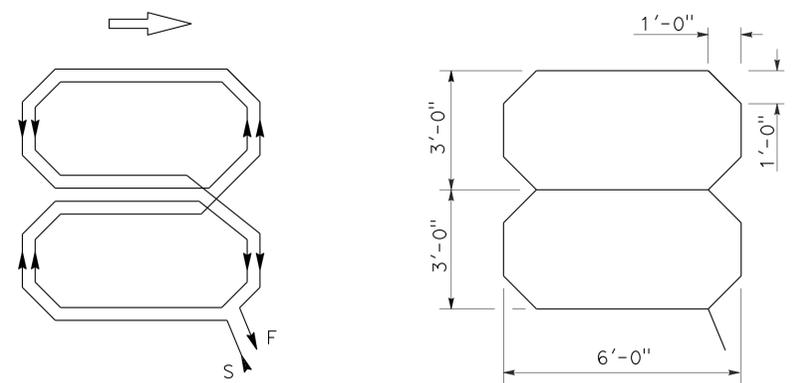
WINDING DETAIL
SAWCUT DETAIL
TYPE C LOOP DETECTOR CONFIGURATION



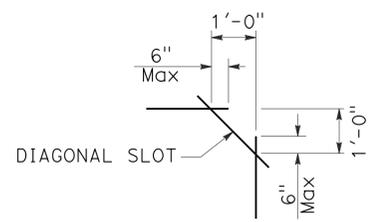
WINDING DETAIL
SAWCUT DETAIL
TYPE D LOOP DETECTOR CONFIGURATION



WINDING DETAIL
SAWCUT DETAIL
TYPE E LOOP DETECTOR CONFIGURATION



WINDING DETAIL
SAWCUT DETAIL
TYPE Q LOOP DETECTOR CONFIGURATION



PLAN VIEW OF DIAGONAL SLOT AT CORNERS

- NOTES:**
1. Round corners of acute angle sawcuts to prevent damage to conductors.
 2. Typical distance separating loops from edge to edge is 10' for Type A, B, D and E installation in single lane.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS (DETECTORS)
NO SCALE

RSP ES-5B DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5B DATED MAY 20, 2011 - PAGE 449 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5B

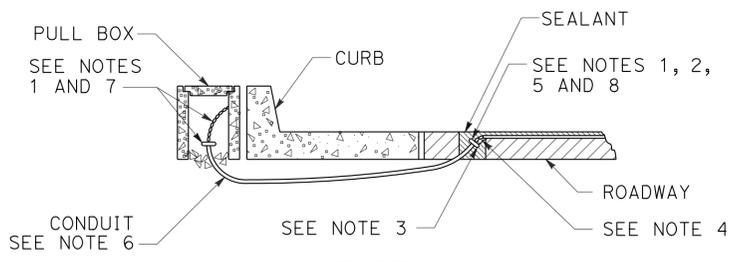
2010 REVISED STANDARD PLAN RSP ES-5B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10F	79

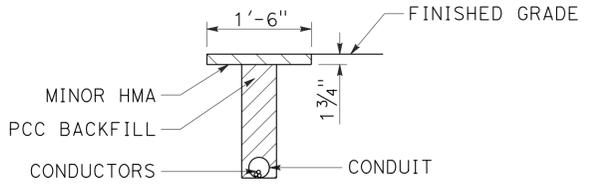
Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 Theresa
 Aziz Gabriel
 No. E15129
 Exp. 6-30-14
 ELECTRICAL
 STATE OF CALIFORNIA

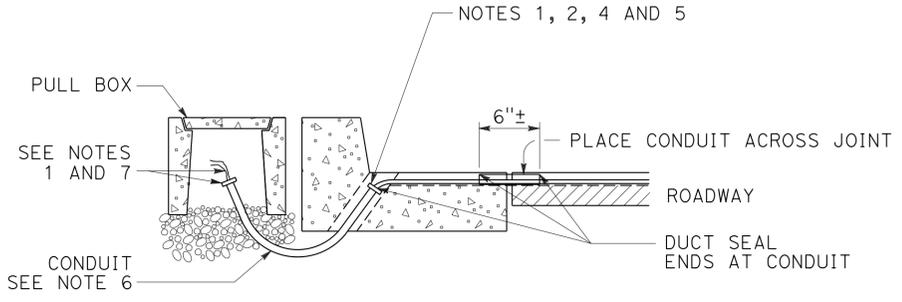
TO ACCOMPANY PLANS DATED 6-24-13



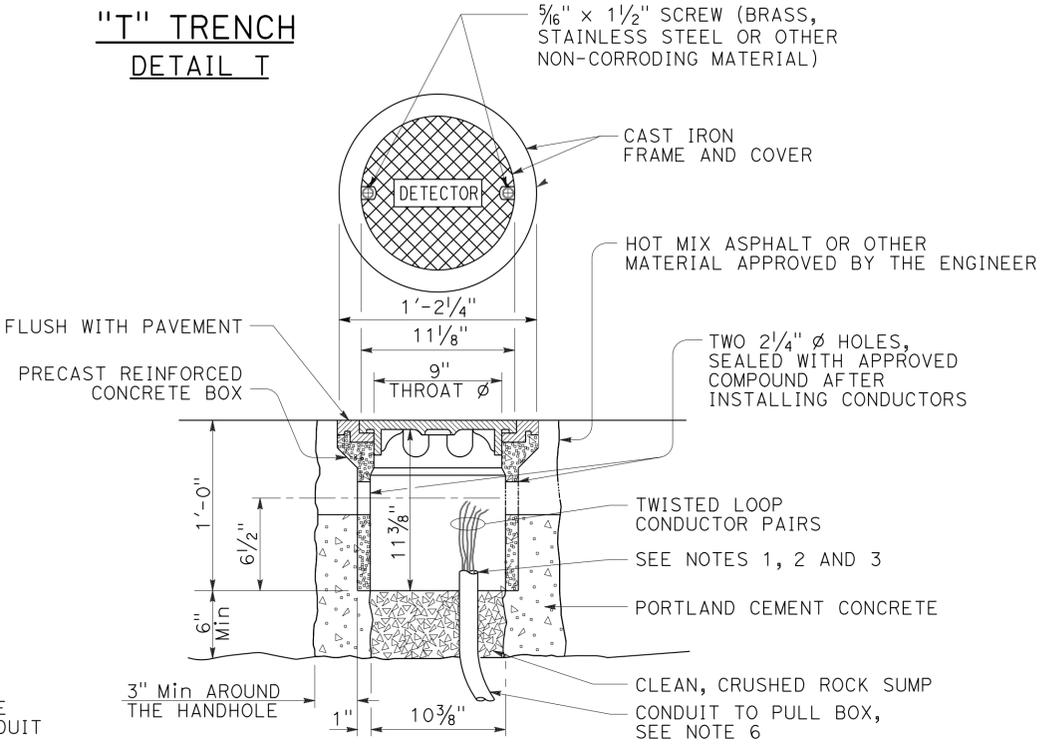
**TYPE A
CURB TERMINATION DETAIL**



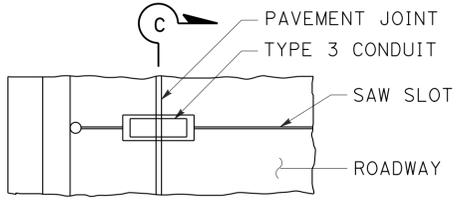
**"T" TRENCH
DETAIL 1**



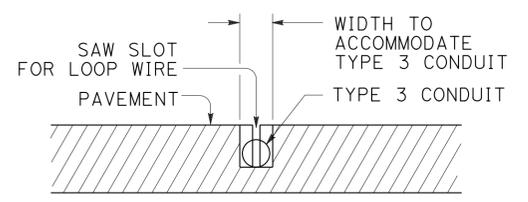
CROSS SECTION



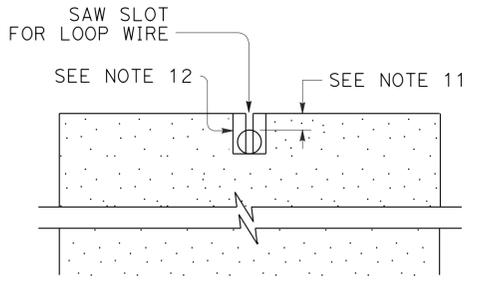
DETECTOR HANDHOLE DETAIL



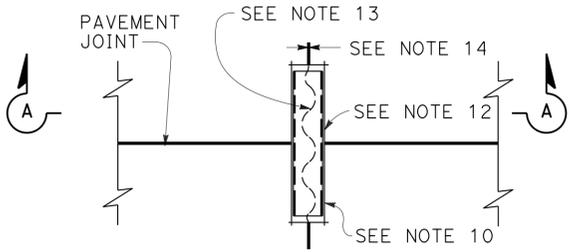
PLAN VIEW



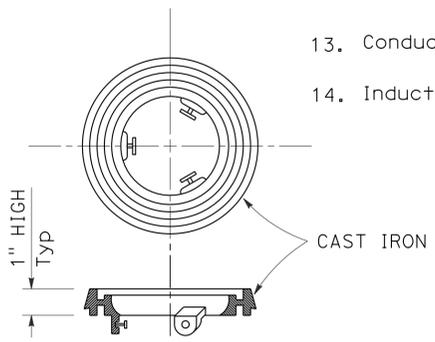
SECTION C-C



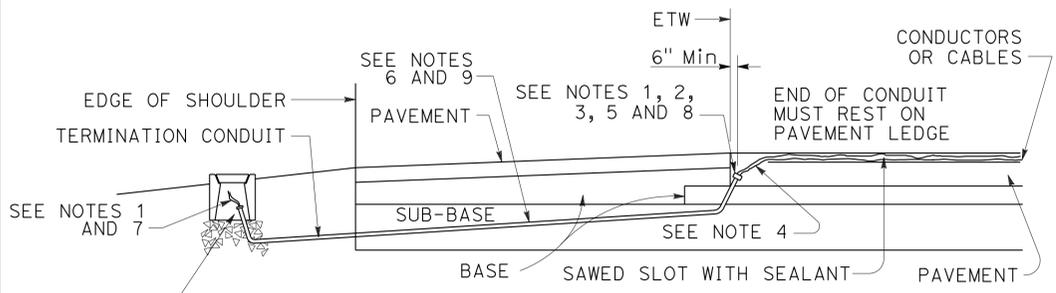
SECTION A-A



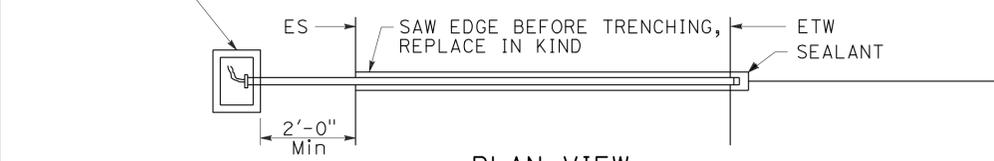
**PLAN VIEW
TYPICAL LOOP LEAD-IN DETAIL
AT PAVEMENT JOINT**



LOCKING GRADE RING



CROSS SECTION



**PLAN VIEW
SHOULDER TERMINATION DETAILS**

NOTES:

- Bushing shall be used at end of conduit.
- Tape detector conductors or cables 3" each side of bushings.
- Install duct seal compound to each end of termination conduit before installing sealant.
- Round all sharp edges where detector conductors or cables have to pass.
- End of conduit shall be 3/8" below roadway surface.
- | | |
|---------------------|------------------------|
| <u>Conduit size</u> | <u>Loop conductors</u> |
| 1"C minimum | 1 to 2 pairs |
| 1 1/2"C minimum | 3 to 4 pairs |
| 2"C minimum | 5 or more pairs |
- Splice detector conductors or cables to detector lead-in-cable.
- Location of detector handhole when shown on plans.
- When the shoulder and traveled way are paved with the same material and there is no joint between them, the conduit shall extend only 2'-0" into the shoulder pavement.
- 3/4"C, Type 3 conduit 6" long minimum, plug both ends with duct compound to keep out sealant.
- 1/2" Minimum between top of conduit and pavement surface.
- Sawcut shall not exceed 1" in width and 1/8" longer than conduit to be installed.
- Conductors with 1/2" minimum slack inside conduit.
- Inductive loop detector saw slot.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**ELECTRICAL SYSTEMS
(CURB TERMINATION
AND HANDHOLE)**
NO SCALE

RSP ES-5D DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-5D
DATED MAY 20, 2011 - PAGE 451 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-5D

2010 REVISED STANDARD PLAN RSP ES-5D

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	10G	79

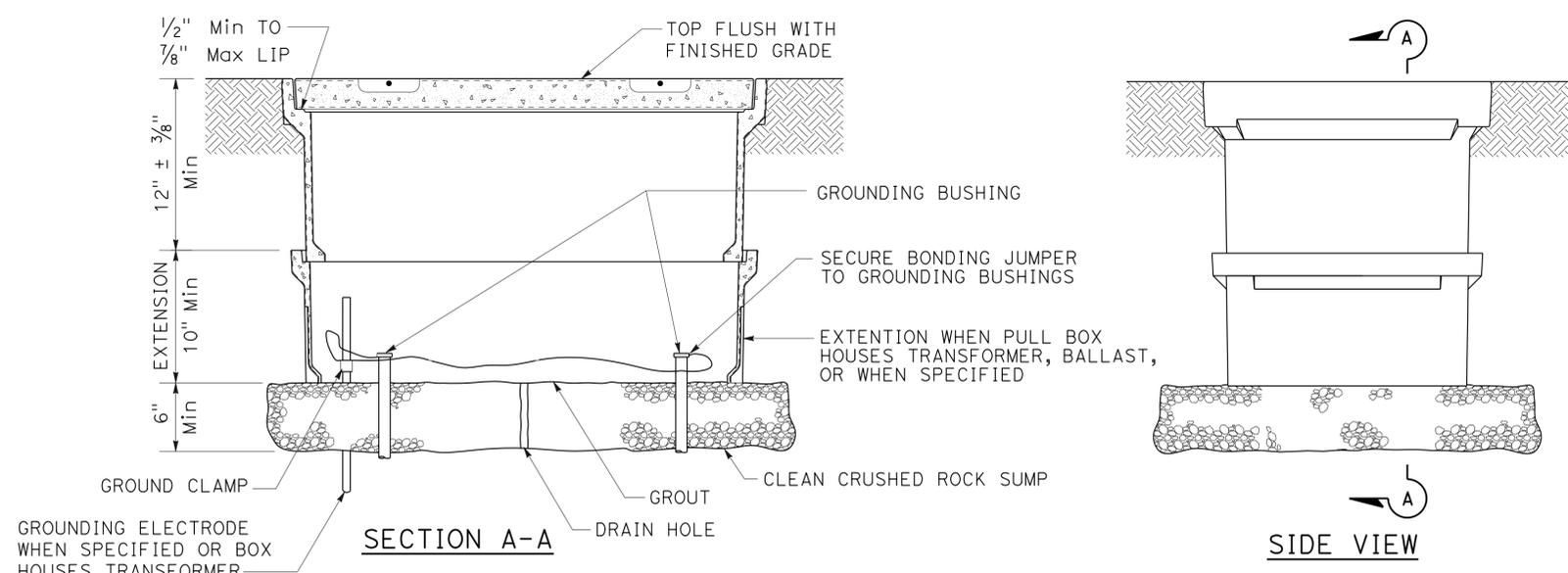
Theresa Gabriel
REGISTERED ELECTRICAL ENGINEER

July 19, 2013
PLANS APPROVAL DATE

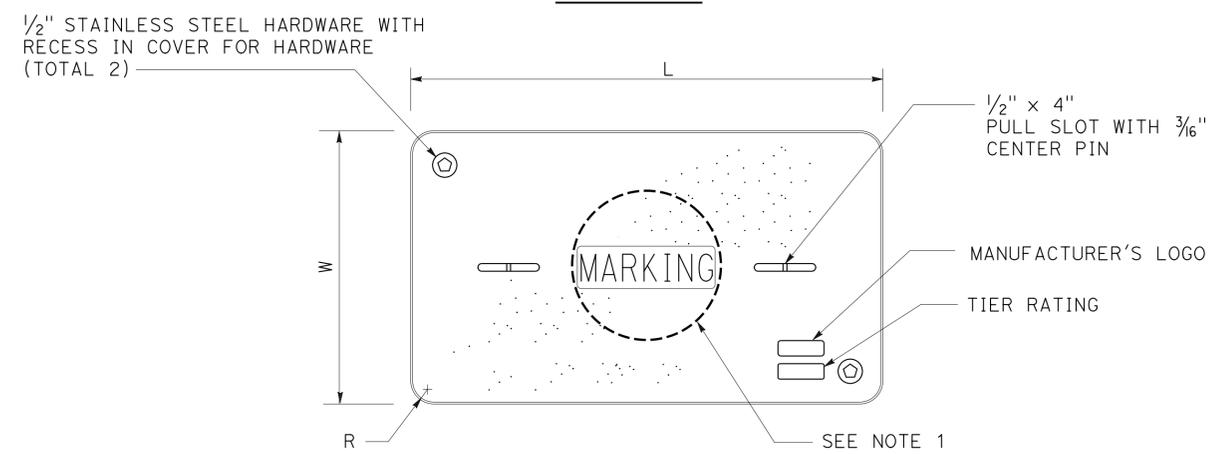
Theresa Aziz Gabriel
No. E15129
Exp. 6-30-14
ELECTRICAL
STATE OF CALIFORNIA

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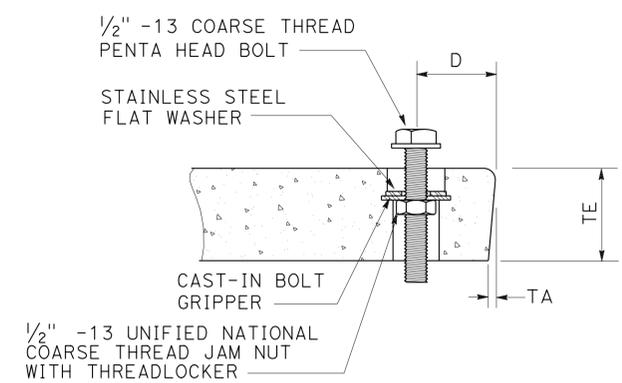
TO ACCOMPANY PLANS DATED 6-24-13



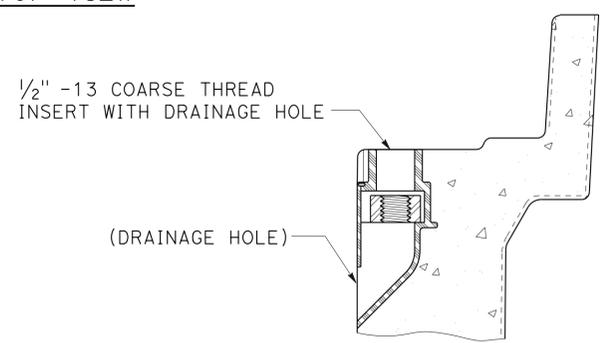
INSTALLATION DETAILS
DETAIL A



COVER TOP VIEW



TYPICAL COVER CAPTIVE BOLT
OR SIMILAR



TYPICAL THREADED INSERT
OR SIMILAR

NOTES:

- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
 - No. 3 1/2 pull box.
 - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - No. 5, 6, 9 or 9A pull box.
 - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
 - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
 - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
 - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
 - "RAMP METER" - Ramp meter circuits.
 - "COUNT STATION" - Count or speed monitor circuits.
 - "COMMUNICATIONS" - Communication circuits.
 - "TOS COMMUNICATIONS" - TOS communication line.
 - "TOS POWER" - TOS power.
 - "TDC POWER" - Telephone demarcation cabinet power.
 - "CCTV" - Closed circuit television circuits.
 - "TMS" - Traffic monitoring station circuits.
 - "CMS" - Changeable message sign circuits.
 - "HAR" - Highway advisory radio circuits.
 - "BOOSTER PUMP" - Booster pump circuit.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8". Top outside radius of covers and pull boxes shall have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
- All dimensions for the cover for non-traffic pull box are nominal values.

DIMENSION TABLE										
PULL BOX	PULL BOX			COVER						
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MAXIMUM WEIGHT	L	W	R	TE	TA	D	MAXIMUM WEIGHT
No. 3 1/2	12"	N/A	40 lb	1' - 3 3/8"	10 1/8"	1 3/8"	2"	1/8"	1 3/4"	30 lb
No. 5	12"	10"	55 lb	1' - 11 1/4"	1' - 1 3/4"	1 3/8"	2"	1/8"	1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 6 1/2"	1' - 5 1/2"	1 3/8"	2"	1/8"	2"	85 lb

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
ELECTRICAL SYSTEMS
(NON-TRAFFIC PULL BOX)
NO SCALE

RSP ES-8A DATED JULY 19, 2013 SUPERSEDES RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-8A

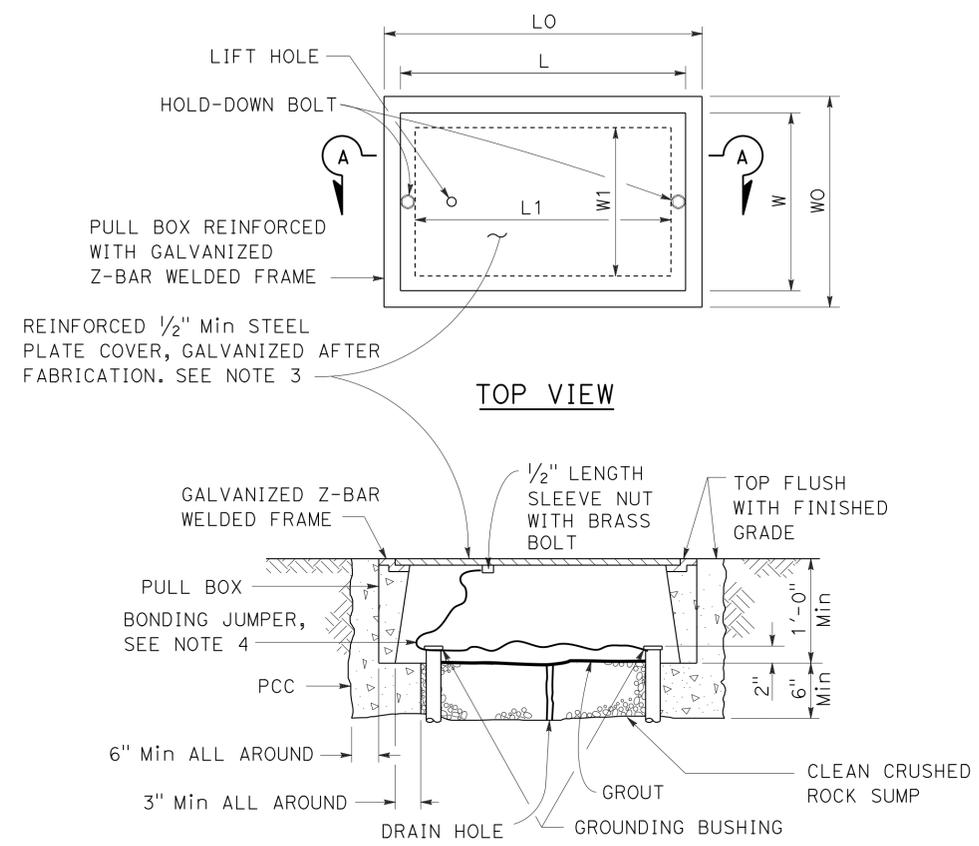
2010 REVISED STANDARD PLAN RSP ES-8A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	11	79

Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 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.

TO ACCOMPANY PLANS DATED 6-24-13



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

NOTES:

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

DIMENSION TABLE											
PULL BOX	PULL BOX						COVER				
	MINIMUM * THICKNESS	MINIMUM DEPTH BOX AND EXTENSION	W0	L0	L1	W1	L **	W **	R	EDGE THICKNESS	EDGE TAPER
No. 3 1/2(T)	1 1/2"	1'-0"	1'-5"± 1"	1'-8 7/8"±	1'-2 1/2"±	10 5/8"± 1"	1'-8"±	1'-1 3/4"±	0"	1/2"	NONE
No. 5(T)	1 3/4"	1'-0"	1'-11 1/2"± 1"	2'-5 1/2"±	1'-7"±	1'-1"± 1"	2'-3"±	1'-4"±	0"	1/2"	NONE
No. 6(T)	2"	1'-0"	2'-6"± 1"	2'-11 1/2"±	1'-11 1/2"±	1'-5"± 1"	2'-9"±	1'-8"±	0"	1/2"	NONE

* EXCLUDING CONDUIT WEB ** TOP DIMENSION

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

RSP ES-8B DATED JULY 19, 2013 SUPERSEDES RSP ES-8B DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

2010 REVISED STANDARD PLAN RSP ES-8B

SHEET NO.	DESCRIPTION	INDEX OF SHEETS
GP	GENERAL PLAN	

ARCHITECTURAL	
A0-1	SITE PLAN
A0-2	GENERAL NOTES
A0-3	ABBREVIATIONS AND SYMBOLS
A0-3.1	NOT USED
A0-3.2	NOT USED
A0-3.3	NOT USED
A0-3.4	ACCESSIBILITY STANDARD DETAILS
A0-3.5	ACCESSIBILITY STANDARD DETAILS
A0-4	FINISH SCHEDULE
A-1.0	EXISTING FLOOR PLAN - REMOVAL PLAN
A-1.1	MODIFIED FLOOR PLAN
A-2	EXISTING AND MODIFIED REFLECTED CEILING PLAN
A-3	EXISTING AND MODIFIED ROOF PLAN
A-4	EXISTING EXTERIOR ELEVATIONS
A-5	MODIFIED EXTERIOR ELEVATIONS
A-6	BUILDING SECTIONS
A-7	INTERIOR ELEVATIONS
A-8	EQUIPMENT SCREEN DETAILS
A-9	EQUIPMENT SCREEN DETAILS
A-10	EQUIPMENT SCREEN DETAILS
A-11	PARAPET DETAILS
A-12	ROOF DETAILS
A-13	MISCELLANEOUS DETAILS
A-14	ROOF ACCESS DETAILS
A-15	CANOPY DETAILS

STRUCTURAL	
ST-0	DESIGN CRITERIA AND DETAIL NOTES
ST-1A	WOOD FRAMING STANDARD - NOTES
ST-1B	WOOD FRAMING STANDARD - DETAILS
ST-1C	WOOD FRAMING STANDARD - DETAILS
ST-2	LEGEND
ST-3	COLD FORMED STEEL DETAILS 1
ST-4	ROOF REMOVAL PLAN
ST-5	ROOF FRAMING PLAN
ST-6	PARAPET AND UNIT ENCLOSURE PLAN
ST-7	UNIT ENCLOSURE ELEVATIONS
ST-8	UNIT ENCLOSURE DETAILS
ST-9	PARAPET FRAMING DETAILS
ST-10	PARAPET AND ROOF FRAMING DETAILS
ST-11	ROOF FRAMING DETAILS
ST-12	ROOF FRAMING DETAILS

MECHANICAL	
M-0.0	MECHANICAL LEGEND
M-0.1	ABBREVIATIONS
M-0.2	TITLE 24
M-1	SITE PLAN
M-2	PLUMBING PLAN
M-3	HVAC ROOF PLAN
M-4	HVAC PLAN
M-5	PLUMBING DETAILS
M-6	HVAC DETAILS

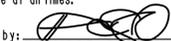
ELECTRICAL	
EE-0.0	LEGEND
EE-0.1	NOTES AND ABBREVIATIONS
EE-0.2	TITLE 24 COMPLIANCE FORM 1
EE-0.3	TITLE 24 COMPLIANCE FORM 2
EE-1	EXISTING SITE PLAN NO. 1
EE-2	MODIFIED SITE PLAN NO. 1
EE-3	EXISTING SITE PLAN NO. 2
EE-4	MODIFIED SITE PLAN NO. 2
EE-5	ENLARGED PARTIAL EXISTING SITE PLAN
EE-6	ENLARGED MODIFIED PARTIAL SITE PLAN
EE-7	EXISTING AND MODIFIED SCALE HOUSE POWER PLAN
EE-8	EXISTING AND MODIFIED SCALE HOUSE LIGHTING PLAN
EE-9	EXISTING AND MODIFIED SCALE HOUSE ROOF PLAN
EE-10	SCALE ROOM AND COUNTER DETAILS NO. 1
EE-11	SCALE ROOM AND COUNTER DETAILS NO. 2
EE-12	CONTROL CONSOLE
EE-13	CONTROL SCHEMATIC DIAGRAM
EE-14	MISCELLANEOUS DETAILS
EE-15	PA SYSTEM SCHEMATIC DIAGRAM
EE-16	WEIGH STATION MESSAGE SIGN DETAILS
EE-17	PANEL SCHEDULES

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	12	79

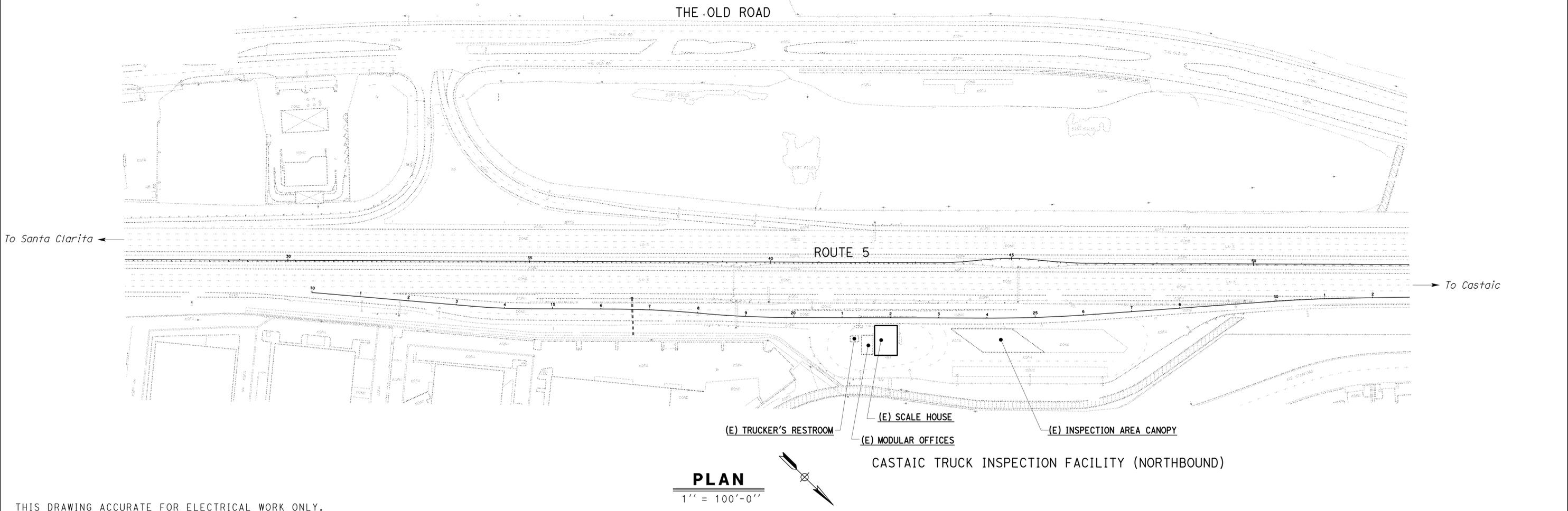

 REGISTERED ELECTRICAL ENGINEER DATE 01-06-12
 BEATRICE BINDU
 No. E 17240
 Exp. 06-30-14
 ELEC
 STATE OF CALIFORNIA

6-24-13
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  FRANCIS SOLICH Approval date: 10-16-12
---	--

Reviewed by: 
Y. A. WANG
Date: 12-20-11



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN BY <i>Tech Ngov</i> CHECKED <i>Beatrice Bindu</i>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS GENERAL PLAN	SHEET GP OF
	DETAILS BY <i>Kathi Andreasen</i> CHECKED <i>Tech Ngov</i>		QUANTITIES BY <i>Tech Ngov</i> CHECKED <i>Beatrice Bindu</i>	UNIT PROJECT NUMBER & PHASE 3597 0700020197 EA 278801		

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0	1	2	3
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REVISION DATES (PRELIMINARY STAGE ONLY)									
10/22/10	11/14/10	2/11/11	4/24/11	3/28/11	12/19/11	12/21/11	1/6/12		

TAEMWW Imperial Rev. 7/10

25-JUN-2013 06:14 gp.dgn

ACCESSIBILITY NOTES

1. Upgrading of any existing elements not fully accessible, such as accessible parking, path of travel, showers, counter at trucker's area, etc., is not required to be included in the project, as the scope of work is either altering existing toilet facilities for the purpose of barrier removal (2010 CBC sec. 1134B.2.1 exception 3.2, alteration shall be limited to the actual work only), or hvac, reroofing, electric work, cosmetic work, office equipment, etc. (2010 CBC sec. 1134B.2.1 exception 4, work not considered alteration projects subject to the code), and thus not triggering any additional accessibility work of other noncompliant elements not in the scope of work.
2. Nor does the counter alteration work at scale room would trigger additional accessibility work of other noncompliant elements, as such counter located in an employee work area (not employee common area) is not required to be accessible (CBC sec. 1123B.2), and thus its work does not affect any accessibility requirements.
3. No accessible truck parking is required by the codes. Therefore, no path of travel is required between truck parking and trucker's area.

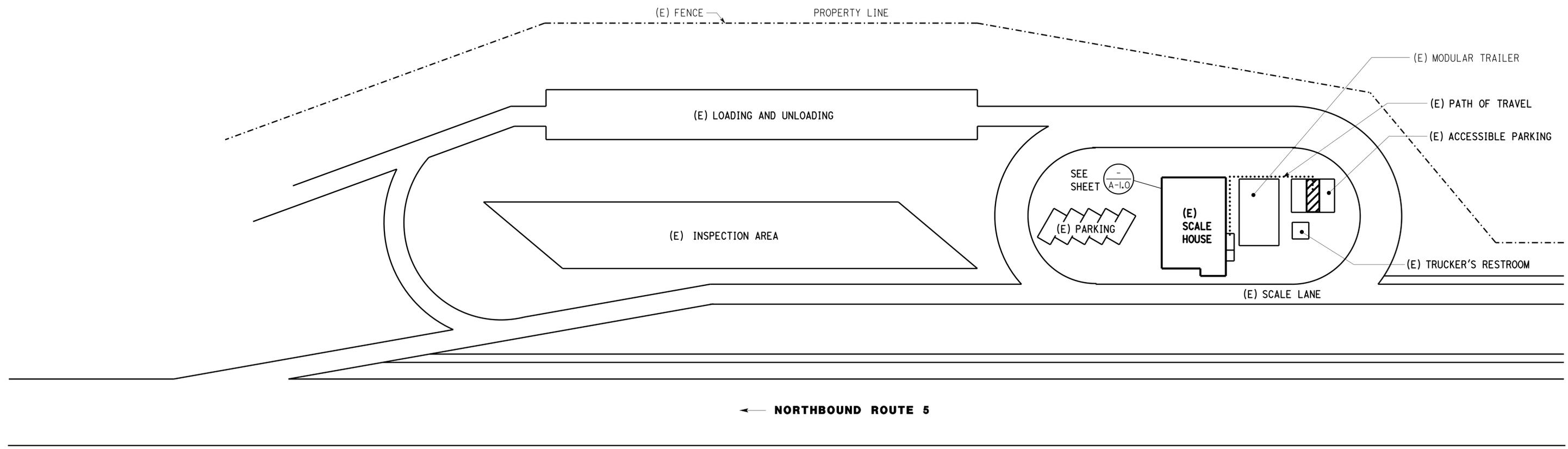
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	13	79

LICENSED ARCHITECT DATE 01-12-12

6-24-13
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PROJECT ID 0700020197	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: Y. A. WANG Date: 12-20-11	Reviewed by: FRANCIS SOLICH Approval date: 10-16-12



SITE PLAN
SCALE 1" = 30'



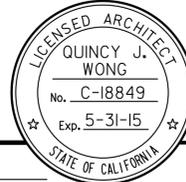
a0_01.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET
	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		A0-1
QUANTITIES BY	CHECKED				SITE PLAN		OF
			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000201971 EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
			0 1 2 3			02-15-11 01-22-11 02-21-11 01-12-12	SHEET OF

24-JUN-2013 13:20
a0_01.dgn

GENERAL NOTES

1. The contractor shall verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
2. The contractor shall notify the engineer in writing of any discrepancies between these plans and actual measurements or field conditions.
3. The contractor shall not scale the drawings but shall rely on written dimension given.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	14	79


 LICENSED ARCHITECT
 DATE 01-12-12


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DESIGN CRITERIA

The building work on this project has been designed to conform to:

- 2010 California building code
- 2010 California fire code
- 2010 California mechanical code
- 2010 California plumbing code
- 2010 California electrical code
- 2010 California energy code
- 1991 Americans with disabilities act standards
- 2008 California building energy efficiency standards (title 24)

BUILDING DATA

Construction type: cbc chapter 5, table 503-V-b
 Roof covering classification:

Cbc chapter 15-C

Occupancy group:
 Cbc chapter 3-B

Fire resistance of exterior walls, cbc
 Table 602

No requirement greater than or
 Equal to 10 ft from property line

No fire sprinklers required

Office/crew building

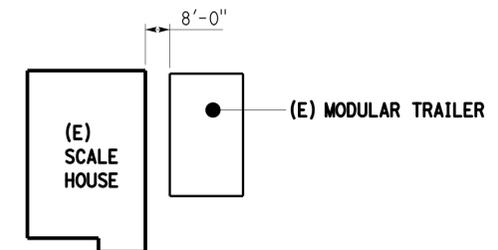
- A. Actual building area
 (E) scale house: 2,174 sq ft
 (E) mobile trailer: 800 sq ft
 Total: 2974 sq ft

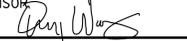
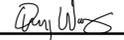
B. Allowable building area
 9,000 Sq ft

A. Actual building height
 1 Story = 12 ft

B. Allowable building height
 2 Story = 40 ft

OCCUPANCY LOAD CALCULATION PER ROOM AREA	
ROOM NAME	OCCUPANCY LOAD
	B
SCALE HOUSE	
SERGEANT'S OFFICE	1
SCALE ROOM	2
STAFF ROOM	15
MEN'S LOCKER ROOM	14
WOMEN'S LOCKER ROOM	3
MODULAR TRAILER	
OFFICE	3
TOTAL OCCUPANTS	38



DESIGN SUPERVISOR  DESIGN ARCHITECT 	DESIGNER D IGNACIO DRAWN BY RKF	CHECKED BY  STRUCTURAL REVIEW	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL E-I ELECTRICAL P-I PLUMBING SS-I SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR POST MILE R54.4/R54.8	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS GENERAL NOTES	SHEET A0-2	
a0_02_index_abbrev.dgn TAEMWW Imperial Rev. 7/10 25-JUN-2013 06:17		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT PROJECT NUMBER & PHASE 3598 07000201971		DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY) 02-15-11 01-22-11 03-21-11 01-12-12	SHEET OF

25-JUN-2013 06:17

ARCHITECTURAL ABBREVIATIONS

&	AND	EA	EACH	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	TSCD	TOILET SEAT COVER DISPENSER
L	ANGLE	EEWS	EMERGENCY EYEWASH AND SHOWER	ID	IDENTIFICATION	QT	QUARRY TILE	TTD	TOILET TISSUE DISPENSER
CL	CENTER LINE			IN	INCH	QTY	QUANTITY	Typ	TYPICAL
°	DEGREE	EF	EXHAUST FAN	INSUL	INSULATION	(R)	RELOCATED	UNF	UNFINISHED
Ø, Dia	DIAMETER OR ROUND	EHD	ELECTRIC HAND DRYER	INT	INTERIOR	RA	RADIUS, RISER	UON	UNLESS OTHERWISE NOTED
#	NUMBER	EJ	EXPANSION JOINT	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	R/W	RIGHT OF WAY	UR	URINAL
d	PENNY	EL	ELEVATION (HEIGHT)	JAN	JANITOR	RD	ROOF DRAIN	VAR	VARIES
□	SQUARE	ELEC	ELECTRICAL	JH	JOIST HANGER	RDWD	REDWOOD	VCT	VINYL COMPOSITION TILE
AB	ANCHOR BOLT	ELEV	ELEVATION (VIEW)	JST	JOIST	REF	REFERENCE	VERT	VERTICAL
ABV	ABOVE	EMER	EMERGENCY	JT	JOINT	REFG	REFRIGERATOR	VEST	VESTIBULE
A/C	AIR CONDITIONING	ENCL	ENCLOSURE	KIT	KITCHEN	REINF	REINFORCED(ING)	VTR	VENT THROUGH ROOF
AC	ASPHALT CONCRETE	EP	ELECTRICAL PANEL	LAB	LABORATORY	REQD	REQUIRED	W	WEST
ACOUS	ACOUSTICAL	EQ	EQUAL	LAM	LAMINATE	RFG	ROOFING	W/	WITH
ADDL	ADDITIONAL	EQUIP	EQUIPMENT	LAV	LAVATORY	RFSWN	ROUGHSAWN	W/O	WITHOUT
ADJ	ADJUSTABLE	EWC	ELECTRIC WATER COOLER	LBF	POUND-FORCE	RH	ROUND HEAD	WHBD	WHITEBOARD
ALT	ALTERNATE	EXP	EXPANSION	LBS	POUNDS	RHWS	ROUND HEAD WOOD SCREW	WC	WATER CLOSET
Alum	ALUMINUM	EXPO	EXPOSED, EXPOSURE	LF	LINEAR FEET	RJ	ROOF JOIST	WD	WOOD
APA	AMERICAN PLYWOOD ASSOCIATION	EXT	EXTERIOR	LKR	LOCKER	RM	ROOM	WDW	WINDOW
ARCH	ARCHITECTURAL, ARCHITECT	FD	FLOOR DRAIN	LPG	LIQUIFIED PETROLEUM GAS	RO	ROUGH OPENING	WH	WATER HEATER
ASPH	ASPHALT	FDN	FOUNDATION	LS	LAG SCREW	RSWN	RESAWN	WP	WORKING POINT
BD	BOARD	FEC	FIRE EXTINGUISHER CABINET	LS	LAG SCREW	RTE	ROUTE	WR	WASTE RECEPTACLE
BITUM	BITUMINOUS	FG	FINISH GRADE	MAT	MATERIAL	RWL	RAINWATER LEADER	WR	WATER RESISTANT
BLDG	BUILDING	FH	FIRE HYDRANT	Max	MAXIMUM	S	SOUTH	WS	WALL SURFACE
BLK	BLOCK	FHC	FIRE HOSE CABINET	MB	MACHINE BOLT	SA	SUPPLY AIR	WSCT	WAINSCOT
BLKG	BLOCKING	FHMS	FLAT HEAD METAL SCREW	MBR	MEMBER	SC	SOLID CORE	WT	WEIGHT
BM	BEAM	FHWS	FLAT HEAD WOOD SCREW	MECH	MECHANICAL	SCHD	SCHEDULE	WTPR	WATERPROOFING
BOT	BOTTOM	FIN	FINISH	MEMB	MEMBRANE	SD	SOAP DISPENSER	WWF	WELDED WIRE FABRIC
BR	BRIDGE	FJ	FLOOR JOIST	MET	METAL	SDST	SELF DRILLING SELF TAPPING	YD	YARD
BTWN	BETWEEN	FLASH	FLASHING	MFR	MANUFACTURER	SH	SHELF		
BUR	BUILT-UP-ROOFING	FLR	FLOOR	MH	MAN HOLE	SHR	SHOWER		
CAB	CABINET	FLUOR	FLUORESCENT	MIN	MINIMUM	SHT	SHEET		
CB	CATCH BASIN	FOC	FACE OF CONCRETE	MIR	MIRROR	SHTG	SHEATHING		
CEM	CEMENT	FOF	FACE OF FINISH	MISC	MISCELLANEOUS	SIM	SIMILAR		
CER	CERAMIC	FOM	FACE OF MASONRY	MIW	MALLEABLE IRON WASHER	SMS	SHEET METAL SCREW		
CIP	CAST IN PLACE	FOS	FACE OF STUD	MO	MASONRY OPENING	SND	SANITARY NAPKIN DISPOSAL		
CJ	CONTROL JOINT	FOW	FACE OF WALL	MR	MOISTURE RESISTANT	SPEC	SPECIFICATION		
CJ	CEILING JOIST	FRP	FIBERGLASS REINFORCED PLASTIC PANEL	MTD	MOUNTED	SPS	STRUCTURAL PLYWOOD SHEATHING		
CL	CHAIN LINK	FT	FEET, FOOT	MUL	MULLION	SQ	SQUARE		
CLG	CEILING	FTG	FOOTING	N	NORTH	SRRA	SAFETY ROADSIDE REST AREA		
CLO	CLOSET	FURR	FURRING	NIC	NOT IN CONTRACT	SS	SERVICE SINK		
CLR	CLEAR	FWY	FREEWAY	NO	NUMBER	SST	STAINLESS STEEL		
CMU	CONCRETE MASONRY UNIT	Galv	GALVANIZED	NOM	NOMINAL	STA	STATION		
COL	COLUMN	GB	GRAB BAR	NTS	NOT TO SCALE	STAG	STAGGER		
COMBO	COMBINATION	GI	GALVANIZED IRON	OBSC	OBSCURE	STD	STANDARD		
COMP	COMPOSITION	GL	GLASS	O/C	ON CENTER	STL	STEEL		
CONC	CONCRETE	GLULAM	GLUE LAMINATED MEMBER	OD	OUTSIDE DIAMETER	STOR	STORAGE		
CONN	CONNECTION	GLZ	GLAZING	OFF	OFFICE	STRUC	STRUCTURAL		
CONST	CONSTRUCTION	GMU	GLASS MASONRY UNITS	OH	OPPOSITE HAND	SUSP	SUSPENDED		
CONT	CONTINUOUS	GR	GRADE	OHD	OVERHEAD DOOR	SYM	SYMMETRICAL		
CORR	CORRIDOR	GSM	GALVANIZED SHEET METAL	OHWS	OVAL HEAD WOOD SCREW	T&B	TOP AND BOTTOM		
CPT	CARPET	GYP	GYP SUM	OPNG	OPENING	T&G	TONGUE AND GROOVE		
CT	CERAMIC TILE	GYP BD	GYP SUM BOARD	OPP	OPPOSITE	TEL	TELEPHONE		
CTR	CENTER	HB	HOSE BIB	OPT	OPTION, OPTIONAL	TEMP	TEMPERED		
CTSK	COUNTERSUNK	HC	HOLLOW CORE	PB	POST BASE	TEMP	TEMPORARY		
CY	CUBIC YARD	HD	HEAD	PC	POST CAP	THK	THICK		
DBL	DOUBLE	HD	HEAD	PCC	PORTLAND CEMENT CONCRETE	THLD	THRESHOLD		
DEPT	DEPARTMENT	HDR	HOLD DOWN	PERF	PERFORATED	TJ	TOOLED JOINT		
DET	DETAIL	HDWD	HARDWOOD	PH	PHILIPS HEAD	TKBD	TACKBOARD		
DF	DRINKING FOUNTAIN	HDWR	HARDWARE	PL	PLATE	TN	TOE NAIL		
DF	DOUGLAS FIR	HEX	HEXAGONAL	PLAM	PLASTIC LAMINATE	TOC	TOP OF CURB/ CONCRETE		
Dia	DIAMETER	HF	HEMLOCK-FIR	PLAS	PLASTER	TOP	TOP OF PAVEMENT		
DIM	DIMENSION	HGR	HANGER	PLWD	PLYWOOD	TOS	TOE OF SLOPE		
DN	DOWN	HM	HOLLOW METAL	PMF	PRESSED METAL FRAME	TOT	TOTAL		
DP	DEEP	HORIZ	HORIZONTAL	PR	PAIR	TOW	TOP OF WALL		
DR	DOOR	HR	HOUR	PRTN	PARTITION	TS	TUBULAR STEEL		
DS	DOWNSPOUT	HSB	HIGH STRENGTH BOLT	PT	POINT	TWH	TANKLESS WATER HEATER		
DWG	DRAWING	HT	HEIGHT	PTD	PAPER TOWEL DISPENSER				
DWR	DRAWER	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PTDR	PAPER TOWEL DISPENSER/ WASTE RECEPTACLE				
(E)	EXISTING	HWY	HIGHWAY						
E	EAST								

SYMBOLS

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

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	15	79
 LICENSED ARCHITECT			01-12-12	DATE	
6-24-13					
PLANS APPROVAL DATE					
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Reviewed by: Date: 12-20-11	Reviewed by: Approval date: 10-16-12

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

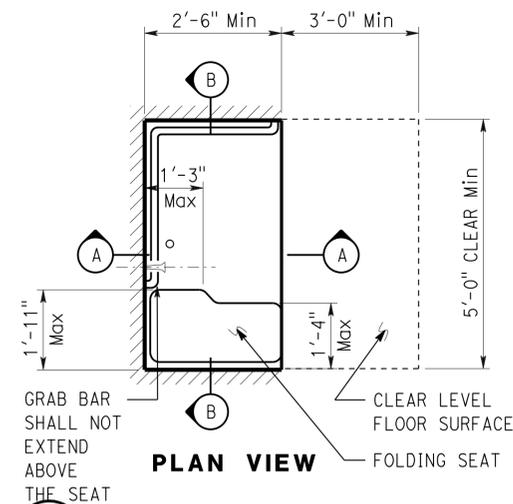
STANDARD DRAWING		DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS		SHEET A0-3
FILE NO. XS-26-4	DATE 12/06	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE R54.4/R54.8	ABBREVIATIONS AND SYMBOLS		
a0_03_abbrev.dgn		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT 3598		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
TAEMWW Imperlal Rev. 7/10		24-JUN-2013 13:20		0 1 2 3		PROJECT NUMBER & PHASE 07000201971		02-15-11 01-22-11 09-21-11 01-12-12		

24-JUN-2013 13:20

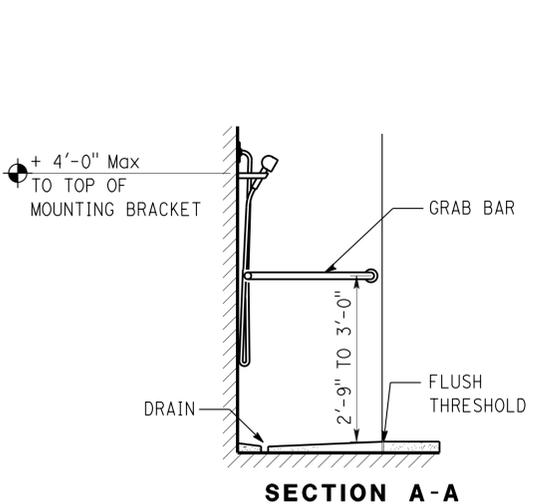
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	16	79


 LICENSED ARCHITECT
 DATE 07-20-11
 PROJECT ID: 0700020197
 Y.A. WANG
 No. C14891
 Exp. 11-30-13
 STATE OF CALIFORNIA

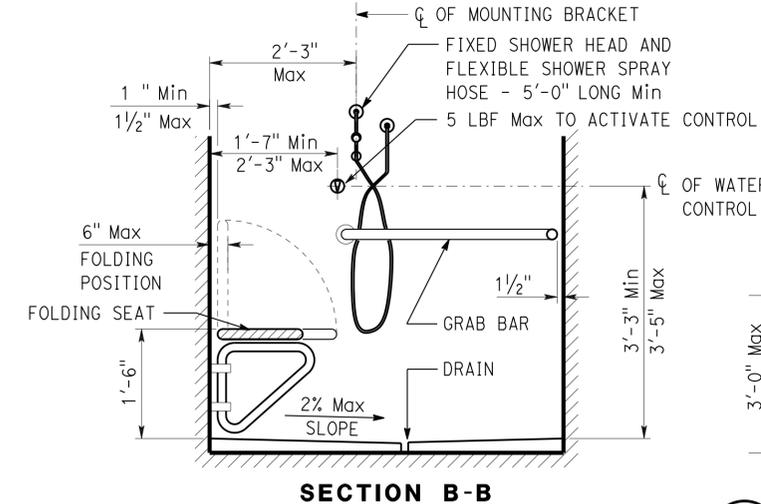
6-24-13
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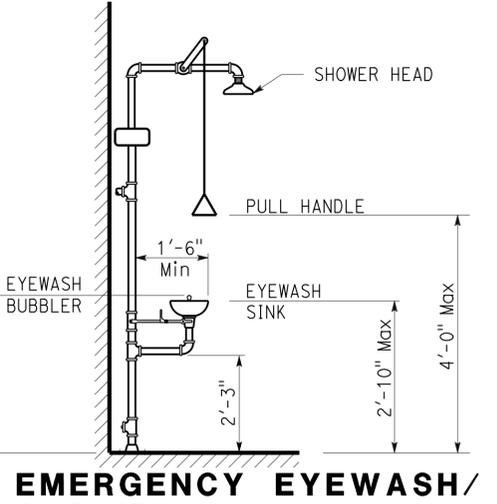
1 SHOWER STALL
OMIT AT SRRA SITES



SECTION A-A



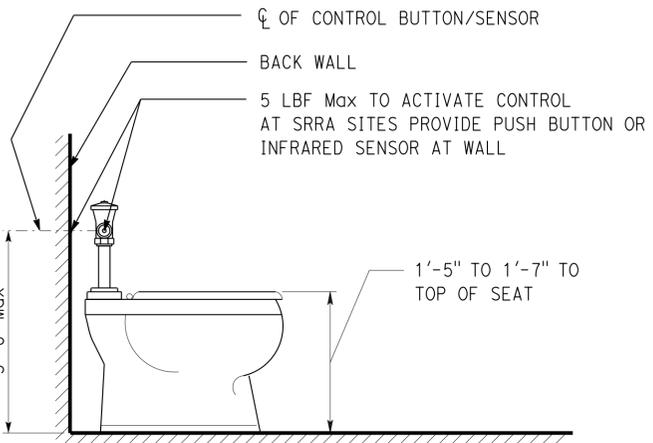
SECTION B-B



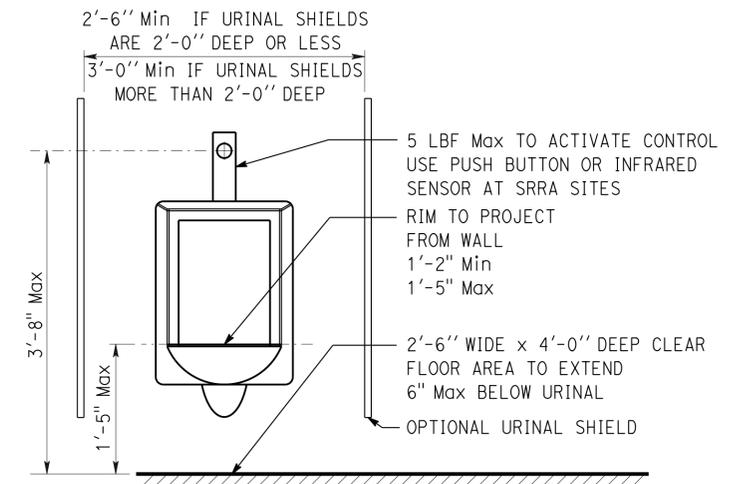
2 EMERGENCY EYEWASH/SHOWER
NO SCALE

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0700020197
 Reviewed by: 
 Date: 12-20-11

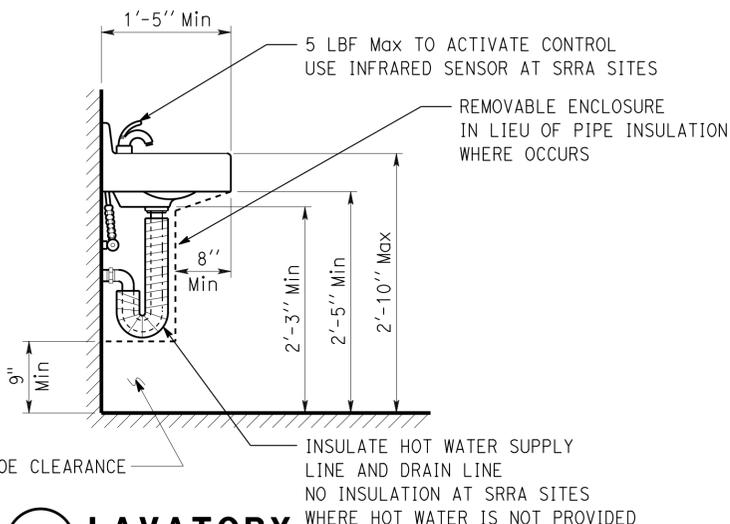
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 Reviewed by: 
 Approval date: 10-16-12



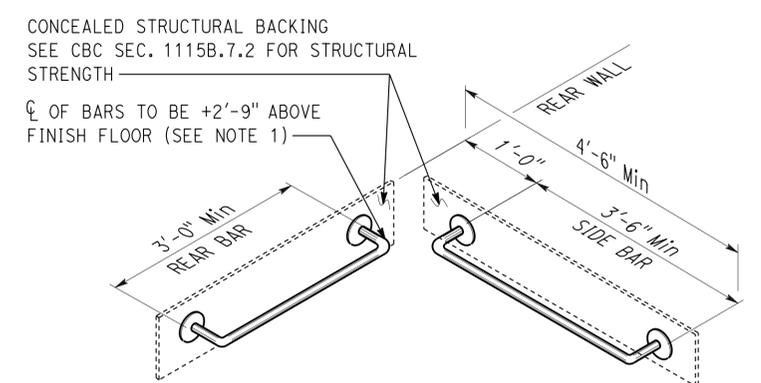
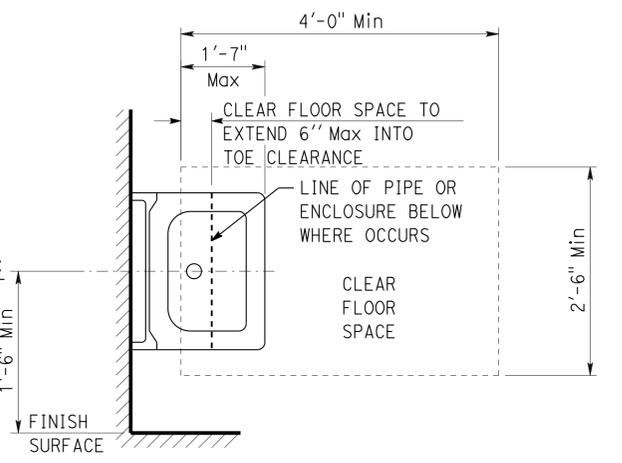
3 WATER CLOSET
SEE SPEC FOR FIXTURE TYPE



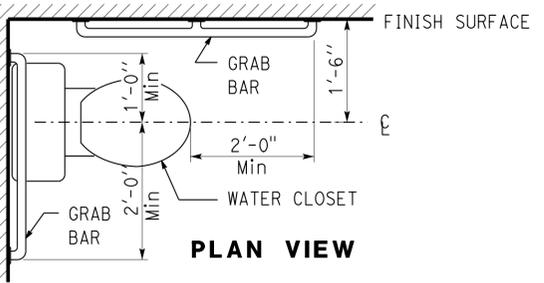
4 URINAL



5 LAVATORY

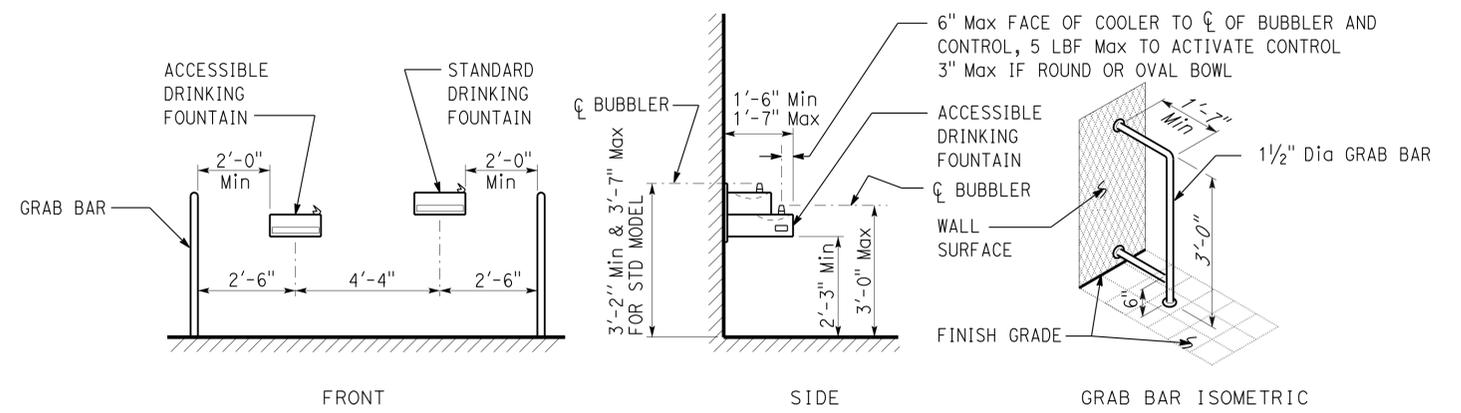


6 GRAB BARS/ WATER CLOSET



GRAB BAR NOTE:

- If tank type toilet is used, top of rear bar may be set to 3'-0" max above finish floor, side bar to remain as shown.
- Grab bars to be 1 1/4" to 1 1/2" diameter with clear space of 1 1/2" to smooth wall surface.



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

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

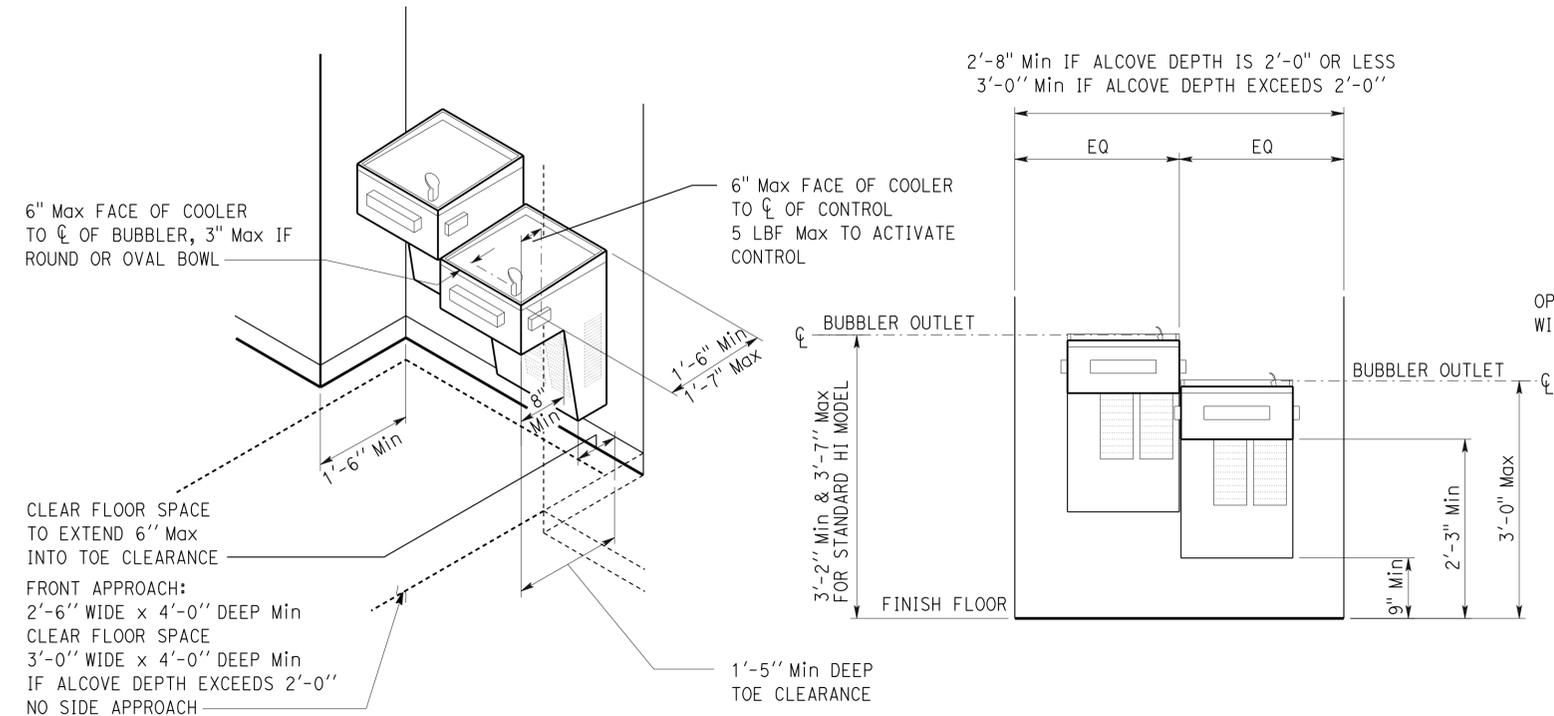
NOTE: SPECIFIC DETAILS OR NOTES ON OTHER SHEETS SHALL PREVAIL OVER STANDARD DETAILS AND NOTES ON THIS SHEET

STANDARD DRAWING				DESIGN BY DANNY IGNACIO		CHECKED QUINCY WONG		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 53W000R		SHEET A0-3.4	
FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED R.E. Travia	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		R54.4/R54.8		ACCESSIBILITY		CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	
DATE 07-11	SUBMITTED BY Y.A. WANG		DESIGN SUPERVISOR	QUANTITIES BY	CHECKED	PROJECT NUMBER & PHASE 07000201971		UNIT 3598		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
TAEMWW Imperial Rev. 7/10		24-JUN-2013 13:21		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3		EA 278801		02-15-11 01-22-11 09-21-11 01-12-12		SHEET OF		24-JUN-2013 13:21	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	17	79

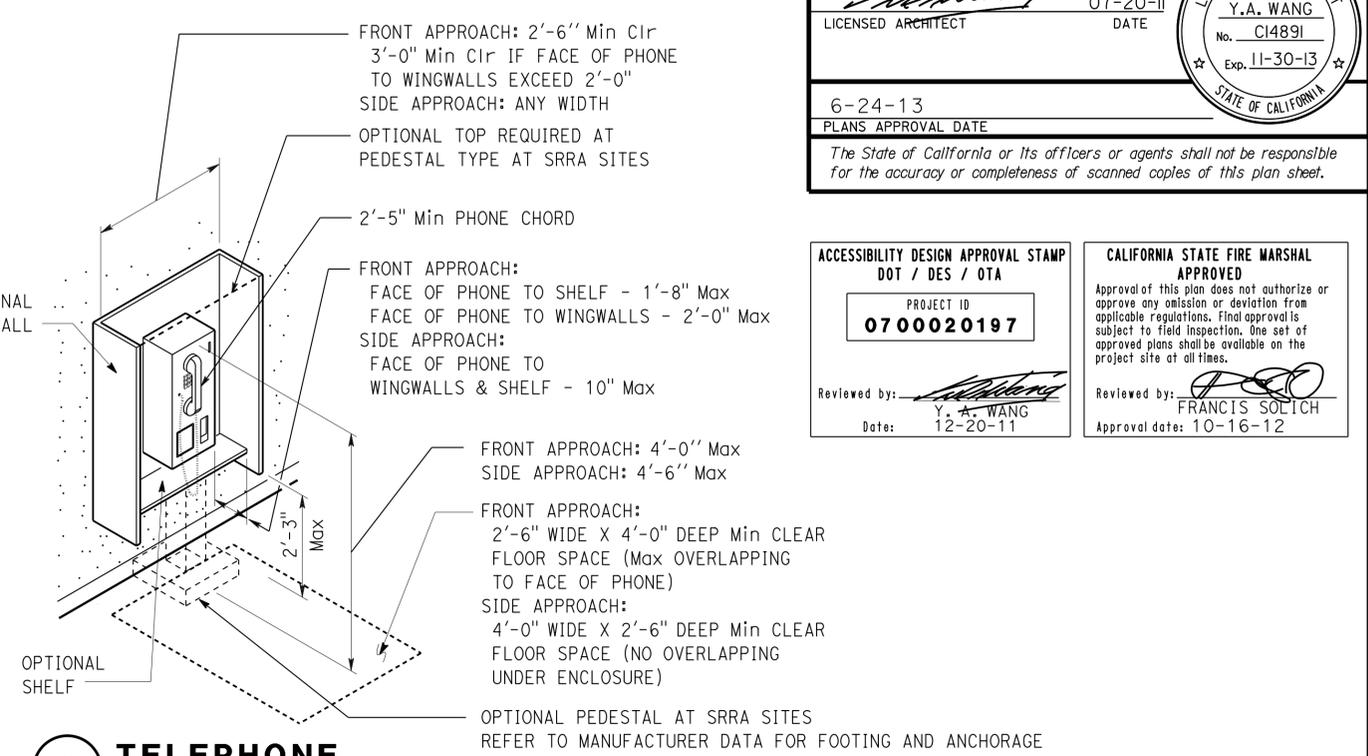
<i>Y.A. Wang</i>		07-20-11
LICENSED ARCHITECT	DATE	
6-24-13		
PLANS APPROVAL DATE		
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA		CALIFORNIA STATE FIRE MARSHAL APPROVED	
PROJECT ID 0700020197		Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.	
Reviewed by: <i>Y.A. Wang</i>	Reviewed by: <i>Francis Solich</i>	Date: 12-20-11	Approval date: 10-16-12

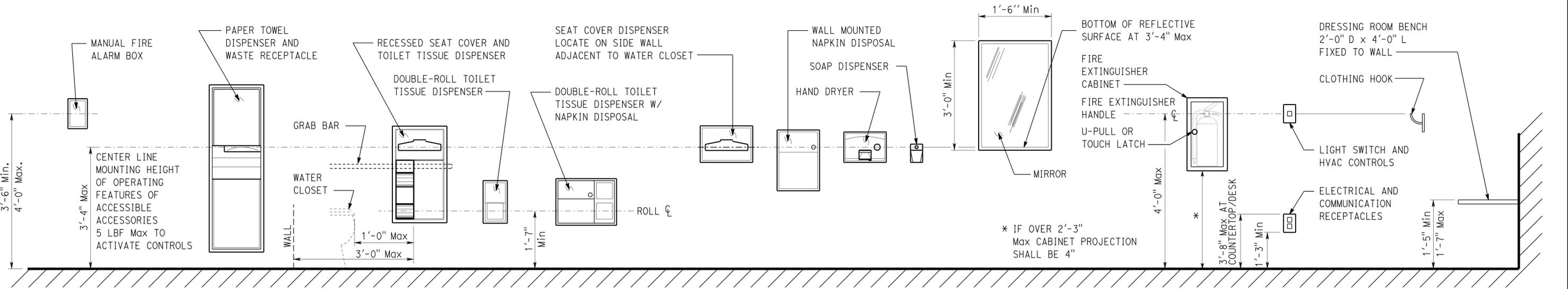


1 ELECTRIC WATER COOLER AT ALCOVE

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



2 TELEPHONE



3 ACCESSORIES

DETAILS
NO SCALE UNLESS OTHERWISE NOTED

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

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FILE NO. 07-11	DESIGN BY D. ALSEY	CHECKED Y.A. WANG	APPROVED <i>Y.A. Wang</i>	DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		53W000IR		ACCESSIBILITY		A0-3.5	
DATE 07-11	DETAILS BY D. GOOD	CHECKED Y.A. WANG	DESIGN SUPERVISOR					R54.4/R54.8		ACCESSIBILITY STANDARD DETAILS			
SUBMITTED BY Y.A. WANG										REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	
a0_03e_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT 3598		DISREGARD PRINTS BEARING EARLIER REVISION DATES		02/15/11 07/22/11 09/21/11 01/12/12		24-JUN-2013 13:21	
TAEMW ImperIal Rev. 7/10 24-JUN-2013 13:21				0 1 2 3		PROJECT NUMBER & PHASE 07000201971						a0_03e_1.dgn	

FINISH & COLOR SCHEDULE: EXTERIOR

ITEM	FINISH	FEDERAL COLOR #	PAINT SYSTEM	NOTES
PERFORATED METAL SOFFIT PANEL	STD MFR FINISH	37886	-	-
PREFINISHED METAL SIDING @ PARAPET	STD MFR FINISH	35109	-	-
PREFINISHED METAL SIDING @ HEAT PUMP SCREEN WALL	STD MFR FINISH	35109	-	-
METAL FLASHING, TRIM @ PARAPET & SCREEN WALL	STD MFR FINISH	35109	-	-
SCREEN WALL COLUMNS	STD MFR FINISH	35109	-	-
ROOF HATCH	STD MFR FINISH	-	-	MFR STD COLOR
UNDERNEATH PREFINISHED METAL ROOFING @ CANOPY	STD MFR FINISH	37886	-	-
TOP SIDE OF PREFINISHED METAL ROOFING @ CANOPY	STD MFR FINISH	37886	-	-
EXTERIOR CMU WALL	PER SPECS	-	3	MATCH EXISTING
DOWNSPOUT & OVERFLOW DRAIN	PER SEPCS	-	5	MATCH ADJACENT
MISC METAL, FLASHING	PER SEPCS	-	5	MATCH ADJACENT
ROOFTOP MECHANICAL UNITS	STD MFR FINISH	-	-	MFR STD COLOR
PREFINISHED METAL CANOPY	STD MFR FINISH	-	-	MFR STD COLOR
DOOR FRAME	PER SEPCS	33613	3	-
DOOR	PER SEPCS	33613	3	-

FINISH & COLOR SCHEDULE: INTERIOR

ITEM	FINISH	FEDERAL COLOR #		NOTES
WOOD TRIM	PER SPECS	36628	7	-
DOOR	PER SPECS	33613	4	-
DOOR FRAME	PER SPECS	33613	4	-
ELEC & MECH COMPONENTS	PER SPECS	-	5	MATCH ADJACENT
GYPSUM BOARD	PER SPECS	33613	2	-
SHELVES	PER SPECS	-	6	MATCH ADJACENT

INTERIOR FINISHES

FLOOR

- F 1 VINYL COMPOSITION TILE, COLOR TO BE #37875 WITH FLECKS OF #36440.
- F 2 RESILIENT SHEET VINYL, COLOR TO BE #37875 WITH FLECKS OF #36440.

BASE

- B 1 RESILIENT COVE BASE, 4" HIGH; COLOR TO BE # 30122.
- B 2 COVED PORCELAIN CERAMIC TILE, (NOTE 2 ABOVE); COLOR TO BE #37877, EPOXY GROUT SYSTEM, COLOR #37877.

WALLS

- W 1 EXISTING GYPSUM WALL BOARD, COLOR TO BE #36628.
- W 2 1/2" MATTE FACED GYPSUM WALL BOARD, COLOR TO BE #36628.
- W 3 EXISTING CMU, COLOR TO BE #36628.
- W 4 EXISTING WOOD PANELING - CLEAN AND POLISH.
- W 5 1/2" GYPSUM WALL BOARD, COLOR TO BE #36628.
- W 6 PORCELAIN CERAMIC TILES (SEE NOTE 2 ABOVE); COLOR TO BE #37877, EPOXY GROUT SYSTEM, COLOR #37877, SEE A-7 INTERIOR ELEVATIONS FOR TILE LAYOUT.

CEILING

- C 1 5/8" GYPSUM BOARD, SPRAY TEXTURE FINISH, COLOR TO BE #36628.

GENERAL FINISH NOTES

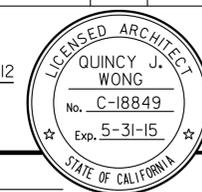
- COLORS NUMBERS LISTED ARE FEDERAL COLOR NUMBERS.
- ALL CERAMIC TILES, 4 INCH SQUARE, LISTED IN SCHEDULE ARE THROUGHBODY COLOR TILE, WITH COLOR CONSISTENT THROUGHOUT EA TILE. TILES ARE TO BE UNPOLISHED MATTE, NON-GLAZED, WITH SELF SHEEN, WHEREIN SURFACE TILE CELLS ARE FUSED FOR PERMANENT FINISH.
- INSTALL FLOOR COVERING ON TOP OF EXISTING FLOOR COVERINGS. VINYL FLOORING TO BE SIMPLY SMOOTH PROFILE, WITH FLECKED COLOR DESIGN TO MEET FIRM, STABLE, SLIP RESISTANT REQUIREMENTS. VINYL FLOORING TILES TO BE 18 OR 36 NOMINAL INCH SQUARE TILES, THICKNESS 1/8 INCH.
- ALL EXISTING GYPSUM BOARD AND CMU TO RECEIVE ONE COAT OF PAINT. PREFINISHED WOOD PANELING TO BE CLEANED AND POLISHED.
- INSTALL RESILIENT BASE AT ALL WALLS, INCLUDING GYPSUM BOARD, CMU, AND PREFINISHED WOOD PANELING.
- WOOD TRIM SHALL BE PREFINISHED WHICH IS LOCATED AT CEILING AND WALLS. SEE DETAIL 5/A-13 & SEE INTERIOR COLOR KEY ON THIS SHEET FOR WOOD TRIM COLOR.
- VIEW INTERIOR ELEVATIONS FOR ADDITIONAL ROOM DETAILS NOT SHOWN IN THE FINISH SCHEDULE.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	18	79

01-12-12 DATE

6-24-13 PLANS APPROVAL DATE

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Reviewed by: FRANCIS SOLICH
Approval date: 10-16-12

ROOM FINISH SCHEDULE

NOTE: REFER TO INTERIOR ELEVATIONS FOR CLARITY

ROOM NAME	FLOOR	BASE	WALLS												CEILING	APPROXIMATE CEILING HEIGHT											
			NORTH				EAST				SOUTH						WEST										
			VINYL COMPOSITION TILE	RESILIENT SHEET VINYL	RESILIENT BASE	CERAMIC TILE COVED BASE	EXISTING GYP WALL BD	1/2" MATTE FACED BYP BD	EXISTING CMU	EXISTING WOOD PANELING	1/2" GYP WALL BD	GLAZED CERAMIC TILE	EXISTING GYP WALL BD	1/2" MATTE FACED BYP BD			EXISTING CMU	EXISTING WOOD PANELING	1/2" GYP WALL BD	GLAZED CERAMIC TILE	EXISTING GYP WALL BD	1/2" MATTE FACED BYP BD	EXISTING CMU	EXISTING WOOD PANELING	1/2" GYP WALL BD	GLAZED CERAMIC TILE	5/8" GYPSUM BOARD
UTILITY ROOM	F2	BI					W3					W3			WI							WI				C I	9'-0"
WOMEN'S RESTROOM	F2	B2					W2		W6	W2	W3		W6	WI								WI				C I	9'-0"
MEN'S LOCKER ROOM	F2	B2	WI									W5										WI				C I	9'-0"
MEN'S RESTROOM	F1	B2	WI	W2					W6	WI	W2			W6	W2							WI	W2		W6	C I	9'-0"
SCALE ROOM	F1	BI			WI			W4		WI															W4	C I	9'-0"
TRUCKER'S ROOM	F1	BI			WI			W4		WI					WI										W4	C I	9'-0"
VESTIBULE	F1	BI					W3			WI					WI										W3	C I	9'-0"
SERGEANT'S OFFICE	F1	BI					W3																		W4	C I	9'-0"
STAFF ROOM	F1	BI							W5	WI					WI										WI	C I	9'-0"
TELEPHONE CLOSET	F1	BI					W3			WI					WI										WI	C I	9'-0"

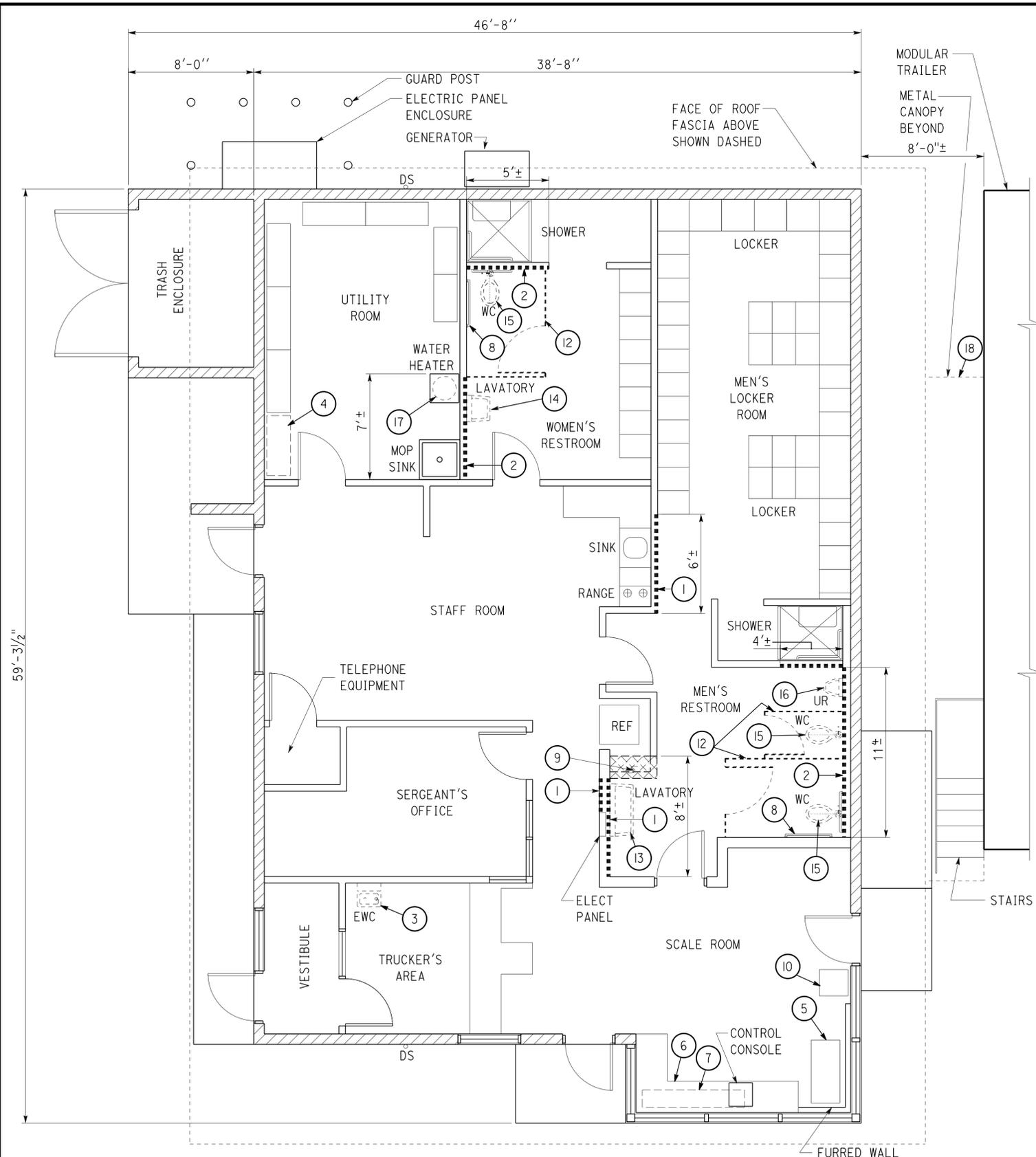
DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET A0-4
DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG		PROJECT MILE R54.4/R54.8	FINISH SCHEDULE		
QUANTITIES BY	CHECKED		UNIT 3598	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

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

PROJECT NUMBER & PHASE: 07000201971 EA 278801

REVISION DATES: 02/15/11, 01/22/11, 03/21/11, 01/22/12, 05/21/13

25-JUN-2013 11:38



EXISTING FLOOR PLAN - REMOVAL PLAN

1/4" = 1'-0" NOTE: See modified floor plan on sheet A-1.1

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 PROJECT ID
0700020197
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 12-20-11

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 FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	19	79

6-24-13
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WALL LEGEND

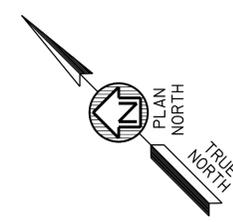
- Existing wall =
- Existing wall finish (shown dashed) =
- Existing concrete masonry unit wall =

REMOVAL NOTES

- 1 Remove gypsum board to limits indicated.
- 2 Remove gypsum board, glazed ceramic tile to limits indicated.
- 3 Remove electrical water cooler
- 4 Remove steel shelving.
- 5 Remove table.
- 6 Counter to remain.
- 7 Remove shelf above the counter. see modified counter plan on sheet a-1.1
- 8 Remove and reinstall grab bar.
- 9 Remove wall & shelving.
- 10 Relocate radio cabinet, see B/EE-7.
- 11 Not Used.
- 12 Remove and reinstall metal stall partition & door.
- 13 Remove lavatory, see mechanical sheets.
- 14 Remove lavatory, see mechanical sheets.
- 15 Remove water closet, see mechanical sheets.
- 16 Remove urinal, see mechanical sheets.
- 17 Remove water heater, see mechanical sheets.
- 18 Remove metal canopy.

REMOVAL & ELEVATION REINSTALLATION NOTES: PLUMBING FIXTURE, ACCESSORIES & PARTITION

1. Grab bars shall be removed/reinstalled at location and height specified in the detail 6/A.0-3.4.
2. Not Used.
3. Paper towel dispenser & toilet tissue dispensers shall be removed/reinstalled at location and height per detail 3/A0-3.5, uon.
4. Soap dispensers and curtain rod shall be removed/reinstalled at the original locations, uon.
5. Water closet, lavatory, wash sink, and urinal to be removed, see mechanical sheets.
6. Toilet metal partition to be removed shall be reinstalled at the locations per plans.

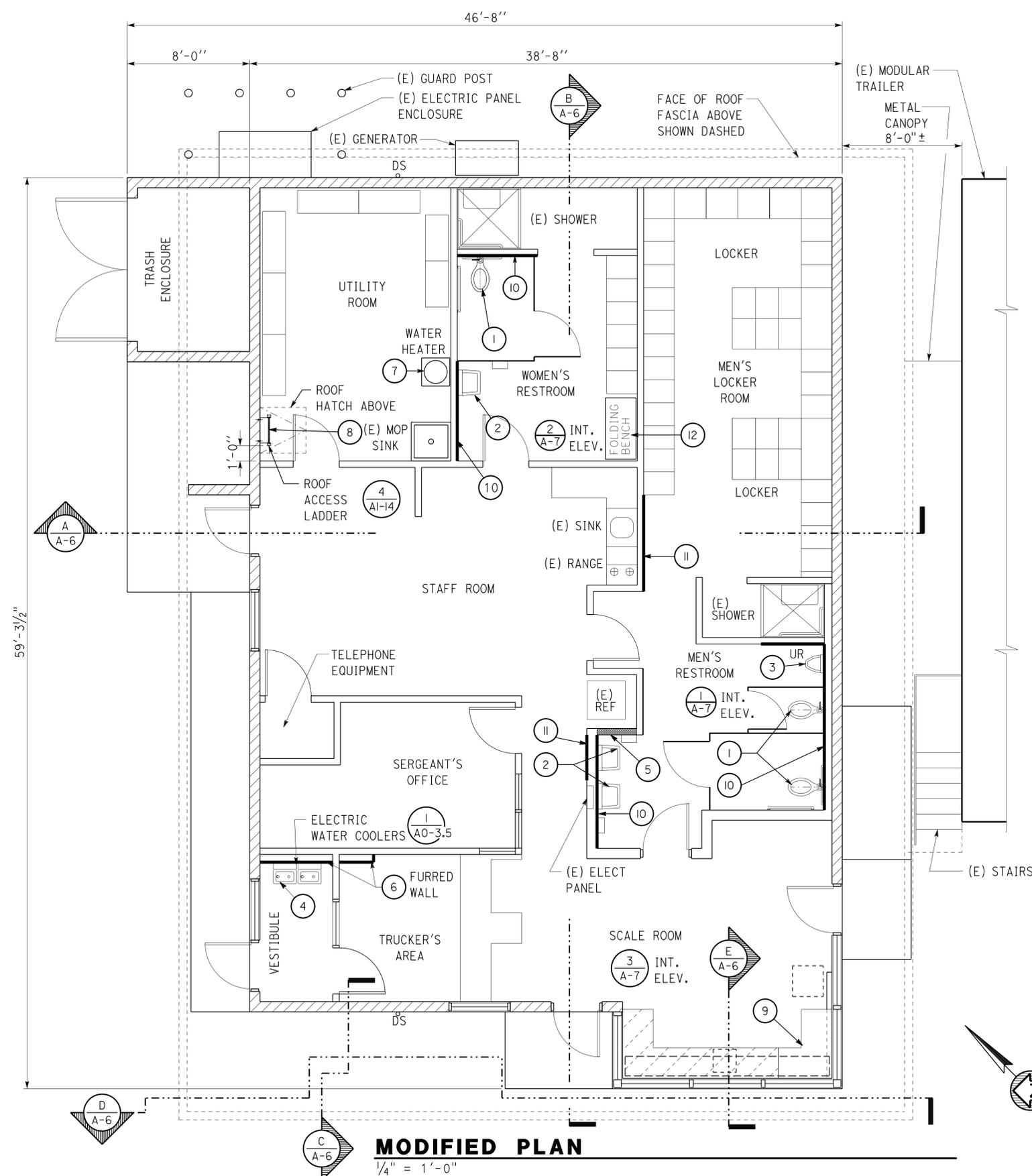


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	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		EXISTING FLOOR PLAN - REMOVAL PLAN
24-JUN-2013 13:21	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000201971 EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	20	79

LICENSED ARCHITECT *Quincy Wong* DATE 01-12-12
 QUINCY J. WONG
 No. C-18849
 Exp. 5-31-15
 STATE OF CALIFORNIA

6-24-13
 PLANS APPROVAL DATE
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See sheets
A0-3.4 & A0-3.5
for accessibility
standard
requirements

MODIFIED NOTES

- ① Water closet
- ② Lavatory
- ③ Urinal
- ④ Electric water cooler
- ⑤ Wall: 1/2" gypsum wallboard (both side) on 2 x 4 wood stud @ 16" o.c.
- ⑥ Furred wall: 1/2" gypsum wallboard on 2 x 4 wood stud @ 16" o.c.
- ⑦ Water heater
- ⑧ Install roof access ladder.
- ⑨ See sheet A-7 for counter work
- ⑩ Glazed ceramic tiles over cementitious backer board
- ⑪ 1/2" gypsum wall board
- ⑫ Folding bench

MODIFIED PLAN

1/4" = 1'-0"

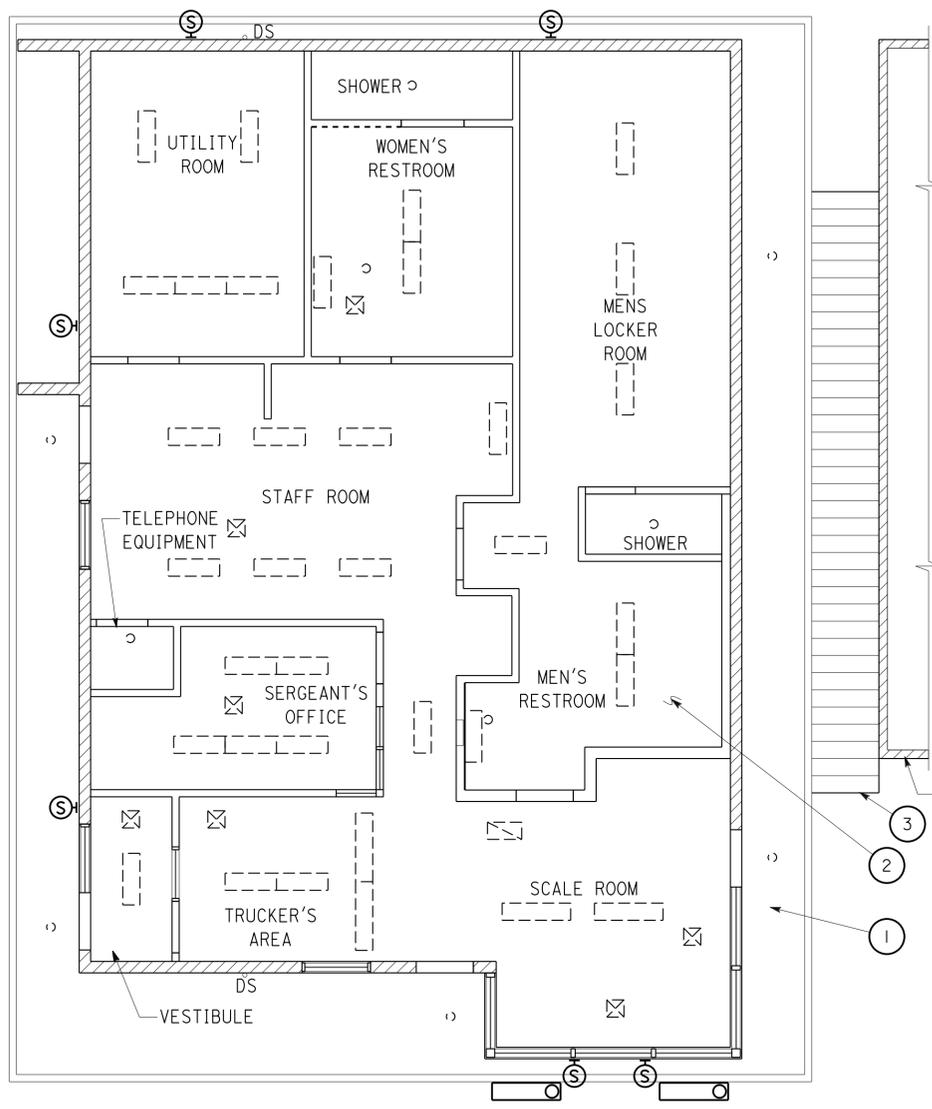
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24-JUN-2013 13:21	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
			0 1 2 3	EA 278801		02-15-11 07-22-11 09-21-11 01-12-12	

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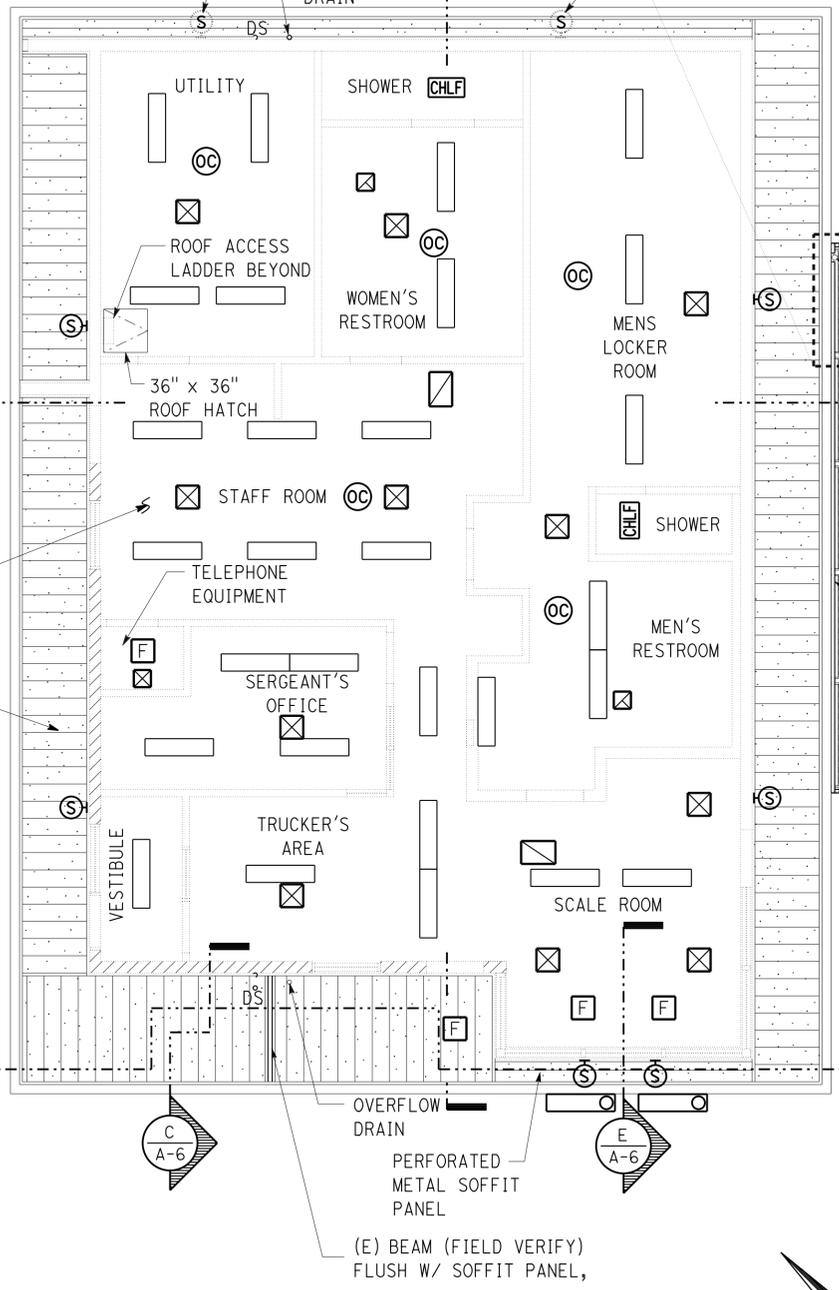
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NOTE
 FOR ADDITIONAL REMOVAL/MODIFIED ITEMS AND NOTES REFER TO MECHANICAL AND ELECTRICAL SHEETS.

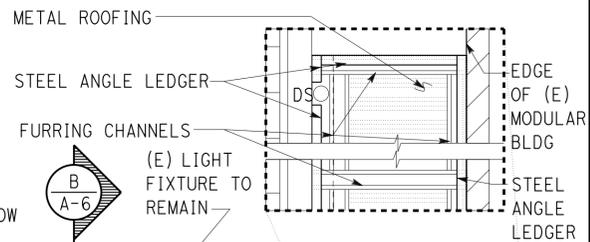


EXISTING REFLECTED CEILING PLAN - REMOVAL PLAN
 3/16" = 1'-0"



MODIFIED REFLECTED CEILING PLAN
 3/16" = 1'-0"

NOTE: For elevation height of soffit above door/window header see parapet/soffit section sheet A-11.



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 Reviewed by: Y. A. WANG
 Date: 12-20-11

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 Approval date: 10-16-12

REMOVAL KEY

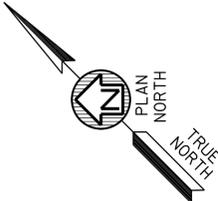
- 1 Remove plywood Soffit panel (approx - 694 SF.)
- 2 Remove entirely the acoustic Ceiling board and gypsum board (Approx 2,300 SF.)
- 3 Remove metal canopy

LEGEND (REMOVAL)

- [---] Remove lighting fixture
- [X] Remove supply diffuser
- [Z] Remove return register
- [F] Remove return register
- [O] Remove lighting fixture

LEGEND (MODIFIED)

- [] Fluorescent lighting fixture
- [X] Supply diffuser
- [Z] Return register
- [O] Occupancy sensor
- [X] Exhaust register
- [F] Recessed fluorescent light
- [CHLF] Combination heat lamp, light and fan unit
- [S] Surface mounted light fixture



a_02_rcp.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET A-2	
	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8			
24-JUN-2013 13:21	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 07000201971	EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 02/15/11 01/22/11 09/21/11 01/12/12	SHEET OF

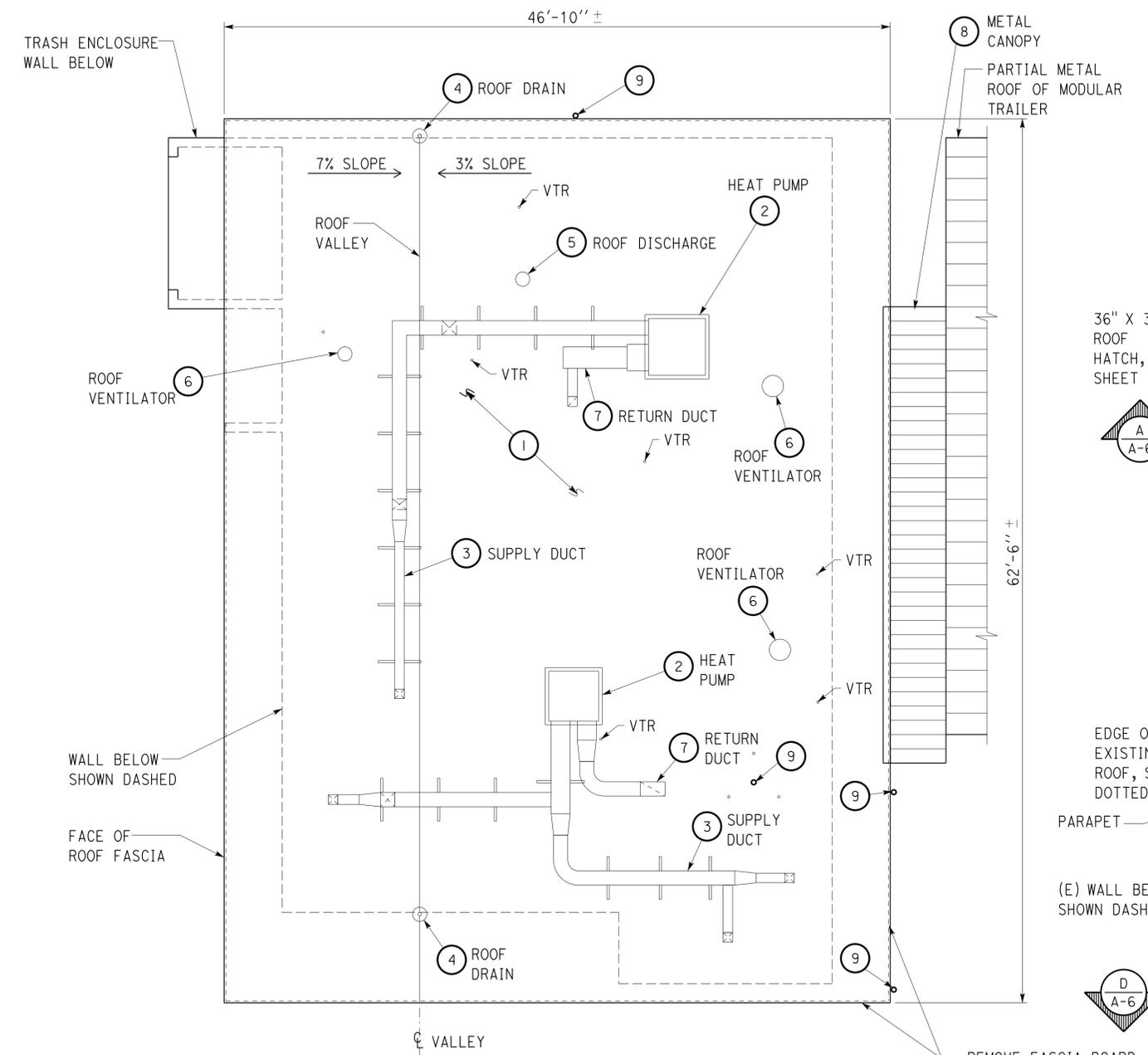
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	22	79

LICENSED ARCHITECT: *Quincy Wong*
 DATE: 01-12-12
 PROJECT ID: 0700020197
 PLANS APPROVAL DATE: 6-24-13
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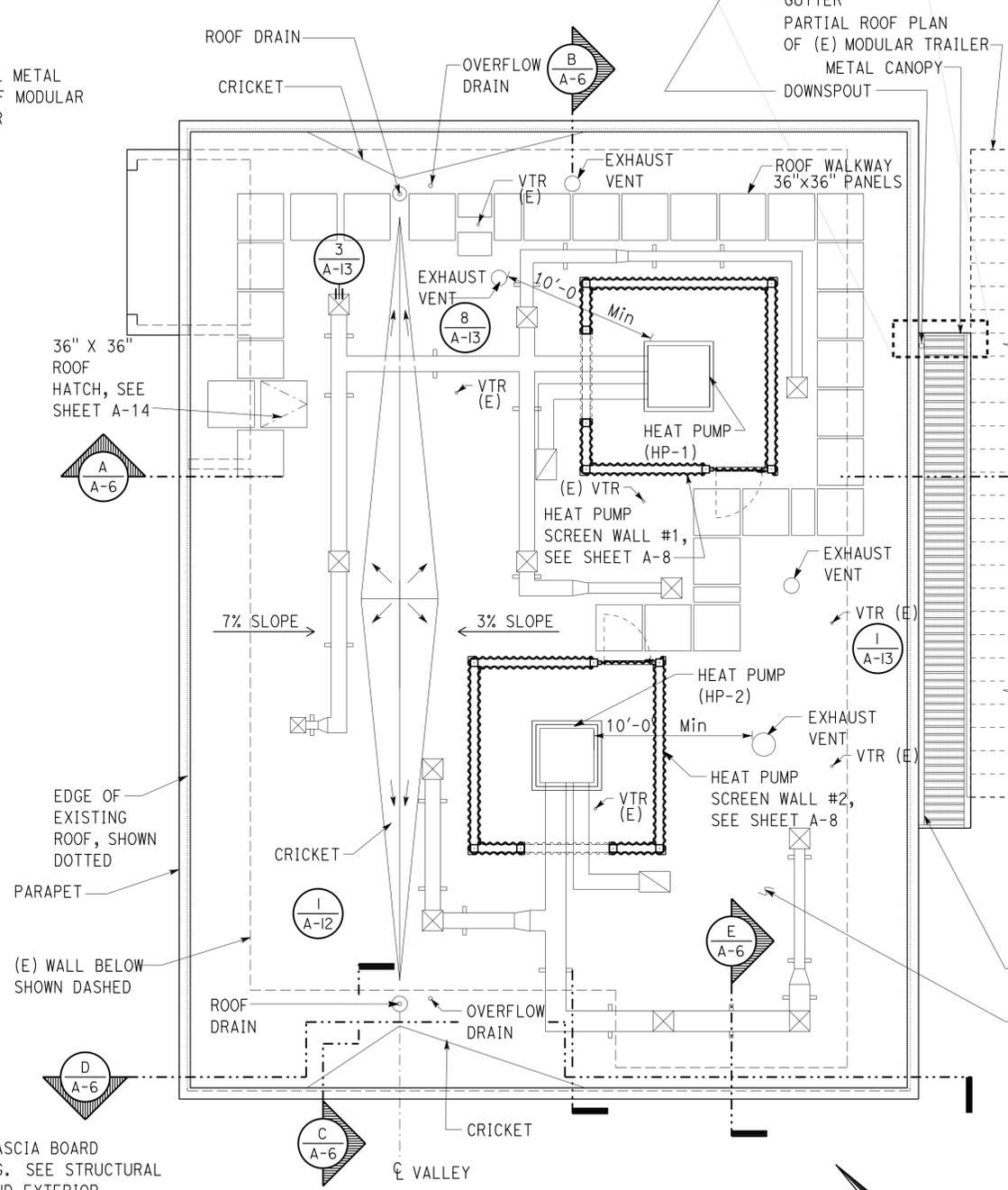


NOTES

- For additional removal items and notes refer to mechanical and electrical notes.
- For additional roof framing removal notes refer to structural sheets.



EXISTING ROOF PLAN - REMOVAL PLAN
 $\frac{3}{16}'' = 1'-0''$



MODIFIED ROOF PLAN
 $\frac{3}{16}'' = 1'-0''$

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0700020197
 Reviewed by: *Y. A. WANG*
 Date: 12-20-11

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Francis Solich*
 Approval date: 10-16-12

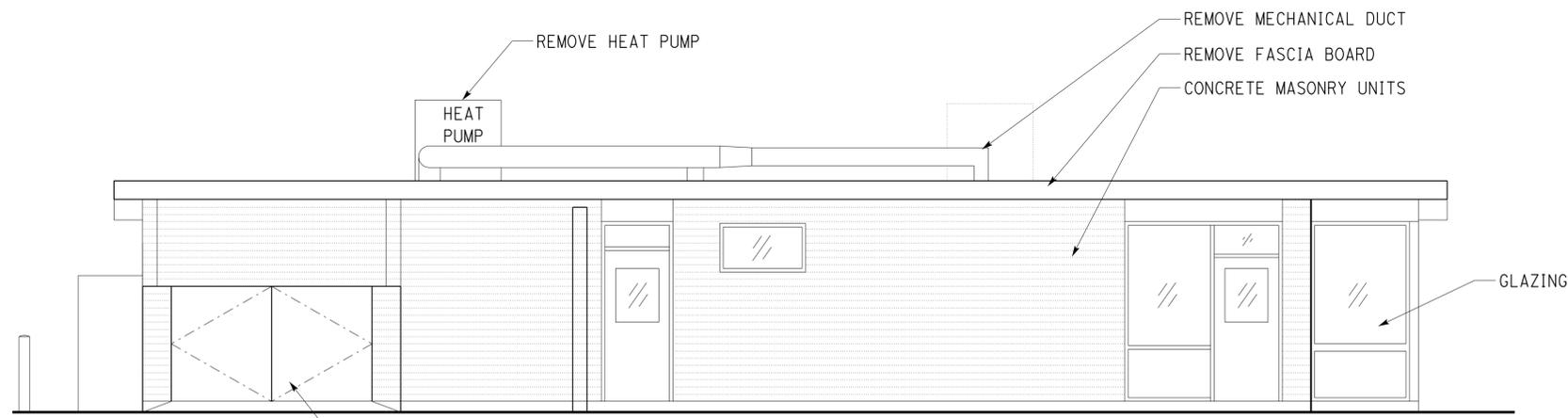
- REMOVAL KEY**
- Remove entirely the built-up Roofing and plywood sheathing (Approximately 2,927 s.f.) including the following:
 * Batt insulation between the rafters (Approx. 2,174 s.f.)
 * Plywood soffit See sheet A-2
 - Remove heat pump
 - Remove supply duct
 - Remove roof drain
 - Remove roof discharge
 - Remove roof ventilator
 - Remove return duct
 - Remove metal canopy
 - Remove and reinstall radio antenna, see electrical sheets.
- BUILT UP ROOFING OVER EXTERIOR GRADE PLYWOOD SHEATHING

REMOVE FASCIA BOARD 220± LONG. SEE STRUCTURAL SHEETS AND EXTERIOR ELEVATIONS SHEET A-4 FOR REMOVAL INFORMATION.

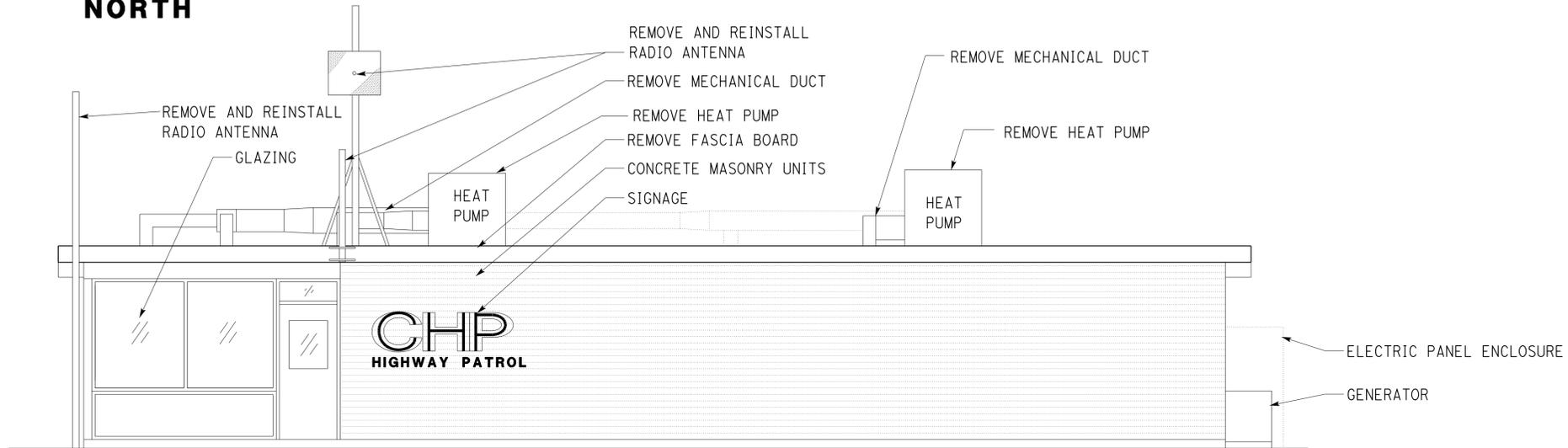
NOTE: For roof drain, overflow, bracing and cricket location and other information refer to sheet A-12.
NOTE: Prior to installation of plywood sheathing, install batt insulation between the rafters.



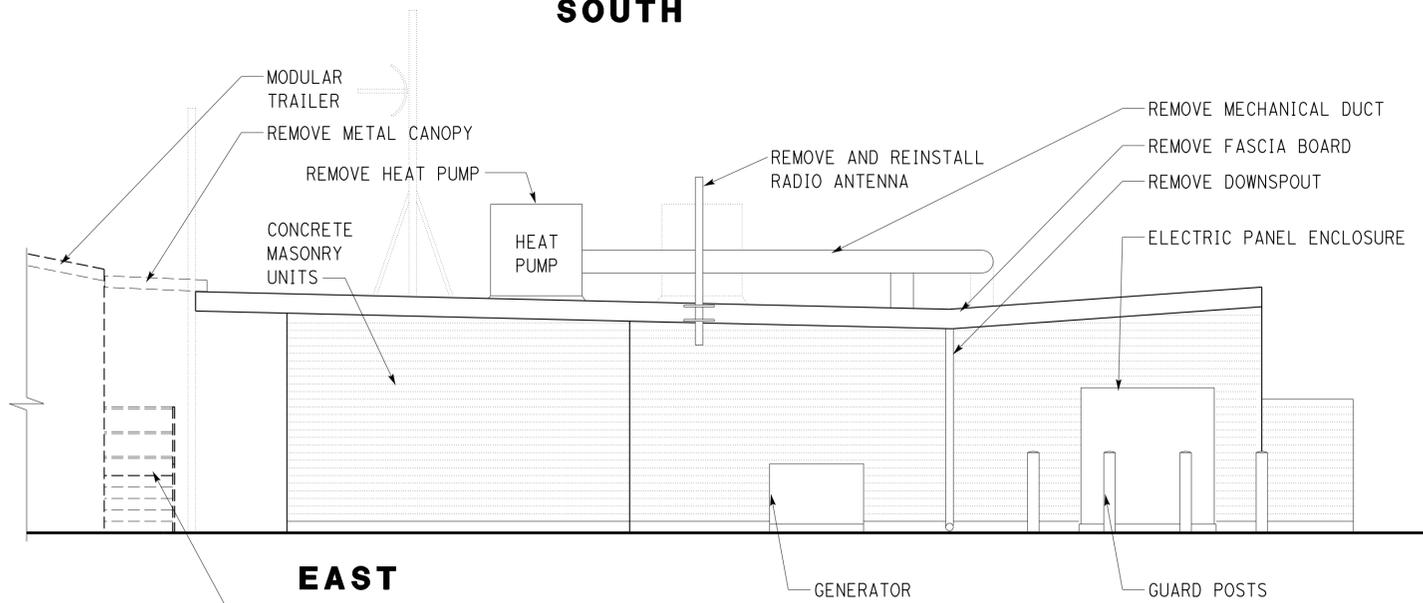
a_03_roofpln.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET OF A-3
	DETAILS	BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE			
24-JUN-2013 13:21	QUANTITIES	BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE	3598 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF



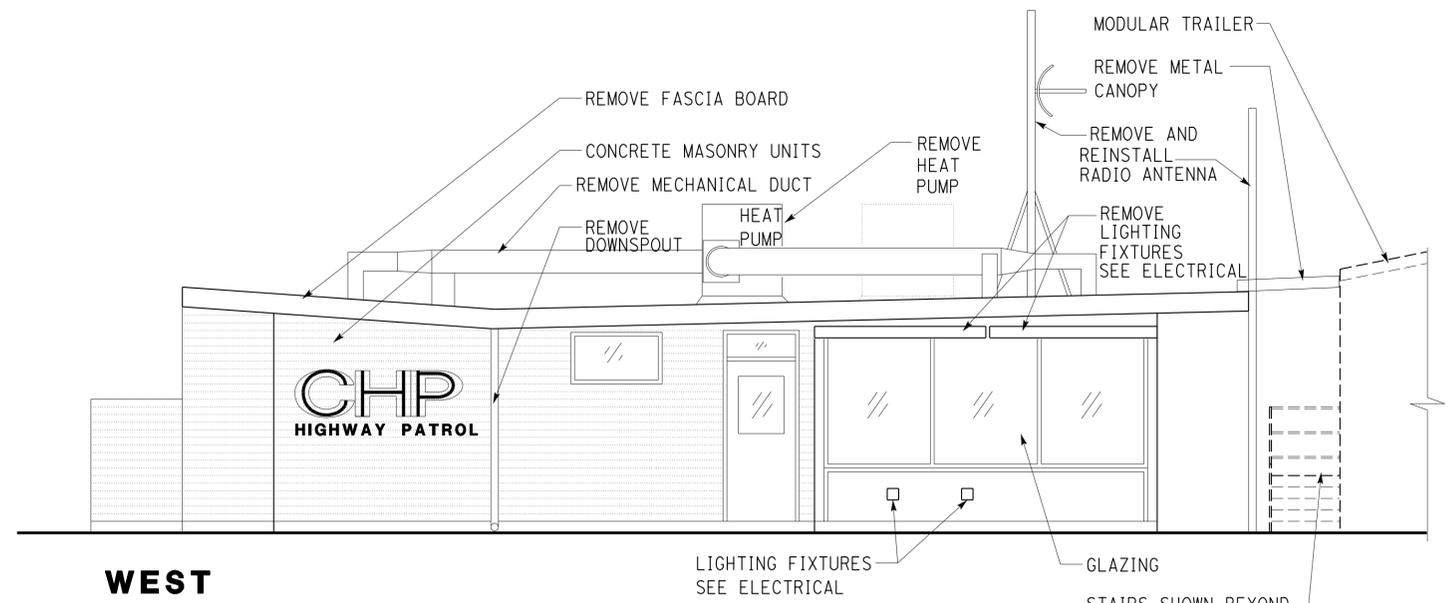
NORTH



SOUTH



EAST



WEST

EXISTING EXTERIOR ELEVATIONS

1/4" = 1'-0"

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	23	79

LICENSED ARCHITECT: *Quincy Wong*
 DATE: 01-12-12
 PROJECT ID: 0700020197
 PLANS APPROVAL DATE: 6-24-13
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LICENSED ARCHITECT
 QUINCY J. WONG
 No. C-18849
 Exp. 5-31-15
 STATE OF CALIFORNIA

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0700020197
 Reviewed by: *Y. A. Wang*
 Date: 12-20-11

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Francis Solich*
 Approval date: 10-16-12

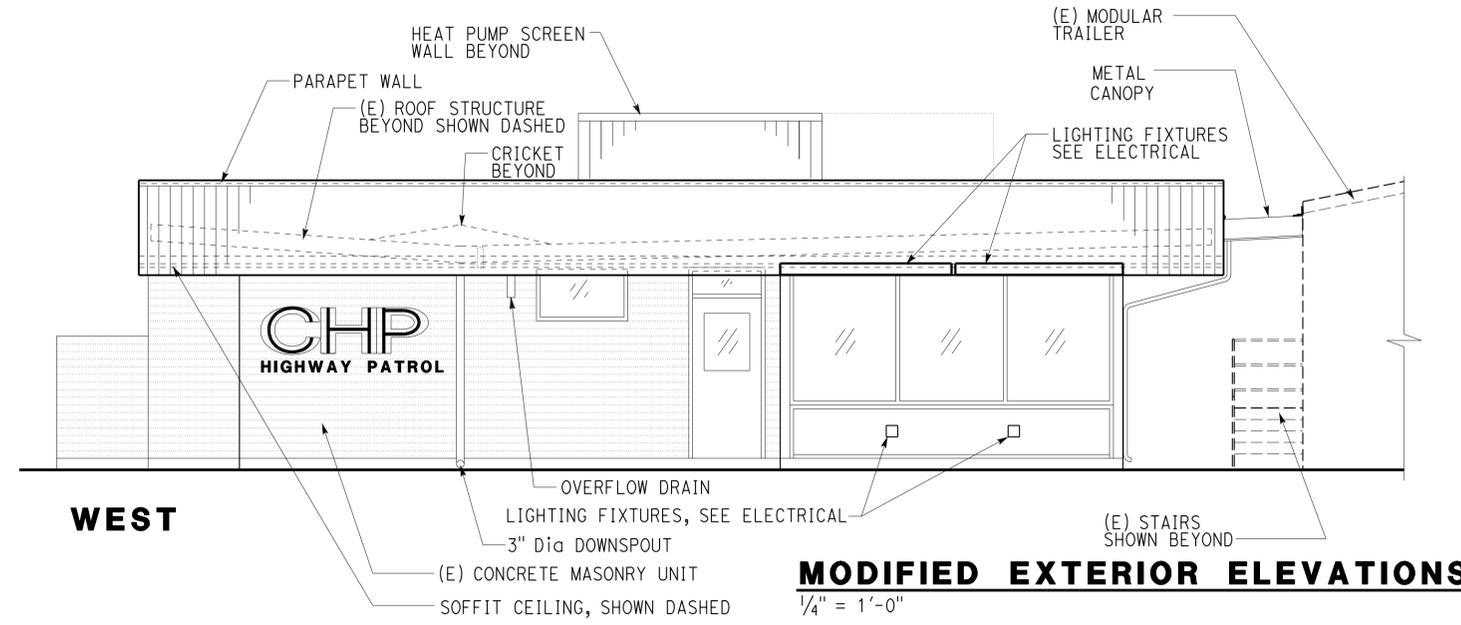
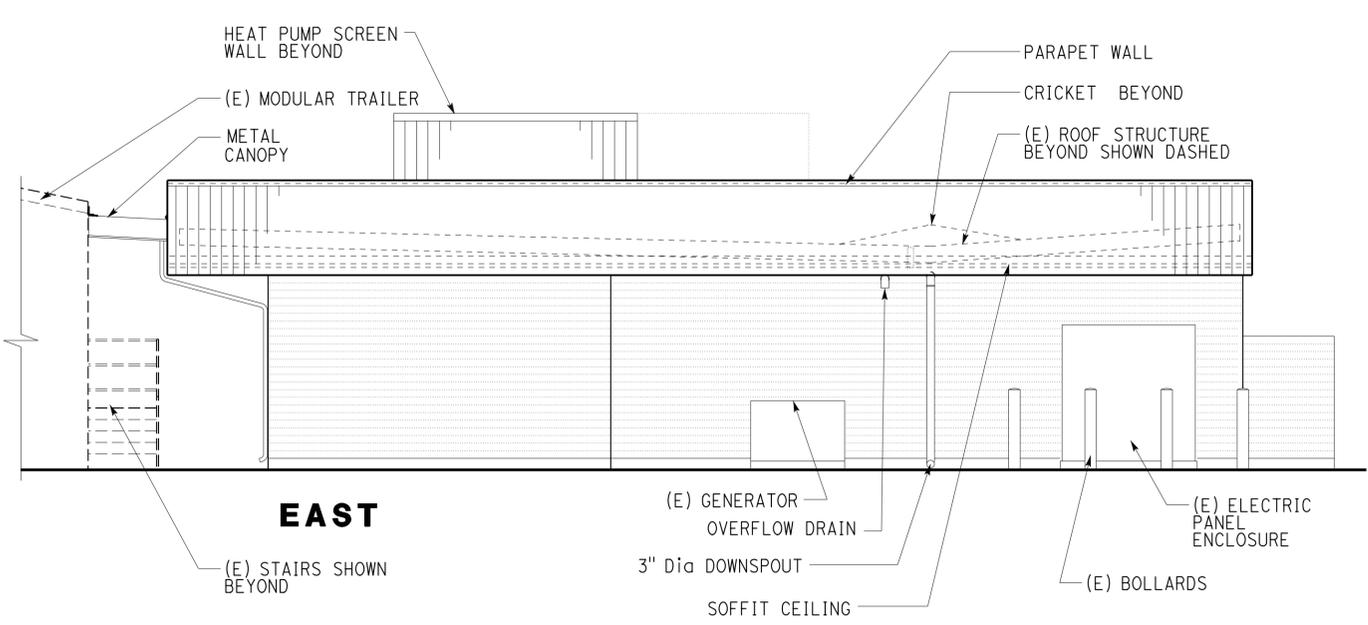
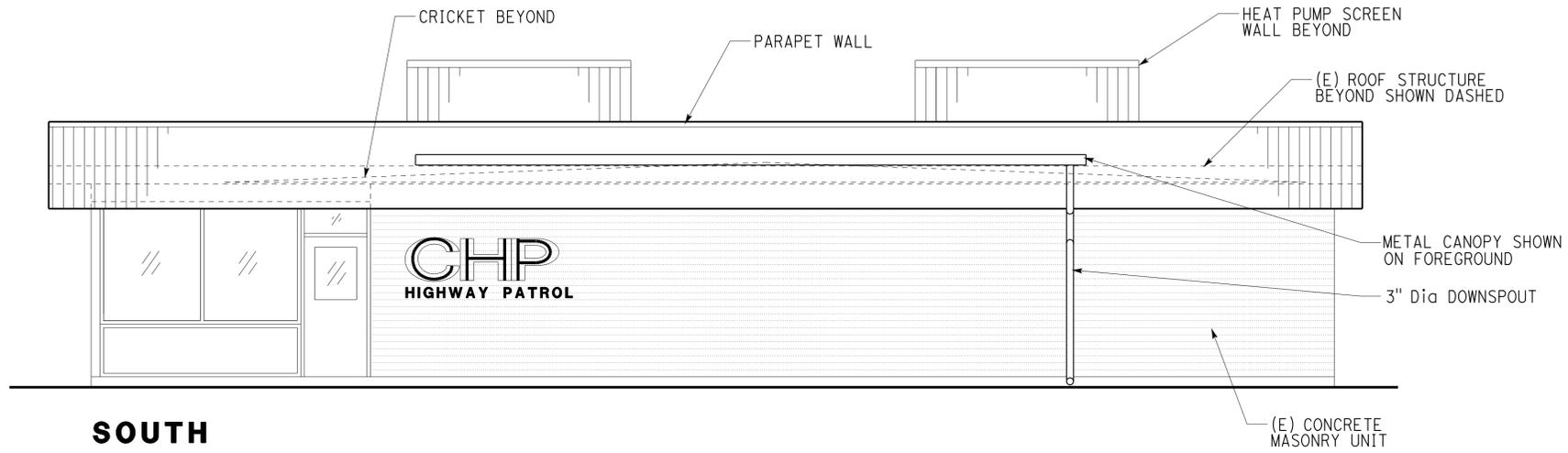
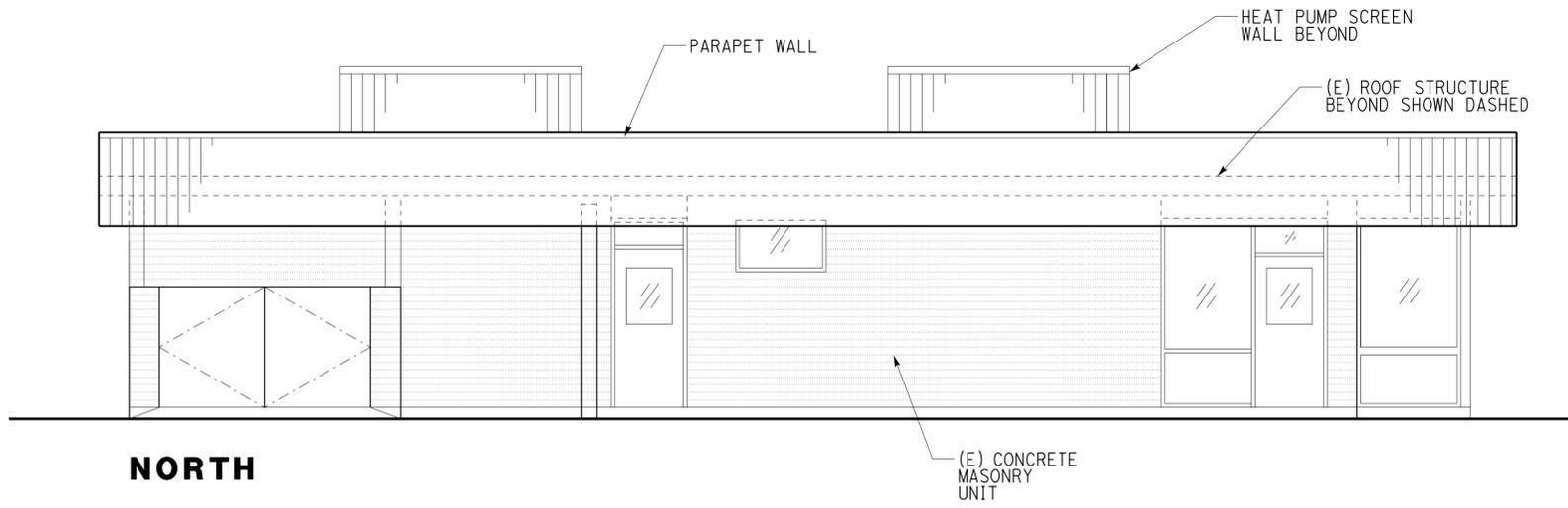
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	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		REVISION DATES (PRELIMINARY STAGE ONLY) 02-15-11 01-22-11 02-01-11 01-12-12
	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3598 07000201971 EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES		

24-JUN-2013 13:21

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	24	79

01-12-12 DATE
 LICENSED ARCHITECT
 QUINCY J. WONG
 No. C-18849
 Exp. 5-31-15
 STATE OF CALIFORNIA

6-24-13
 PLANS APPROVAL DATE
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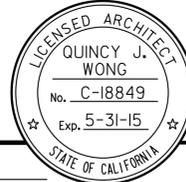
MODIFIED EXTERIOR ELEVATIONS
 1/4" = 1'-0"

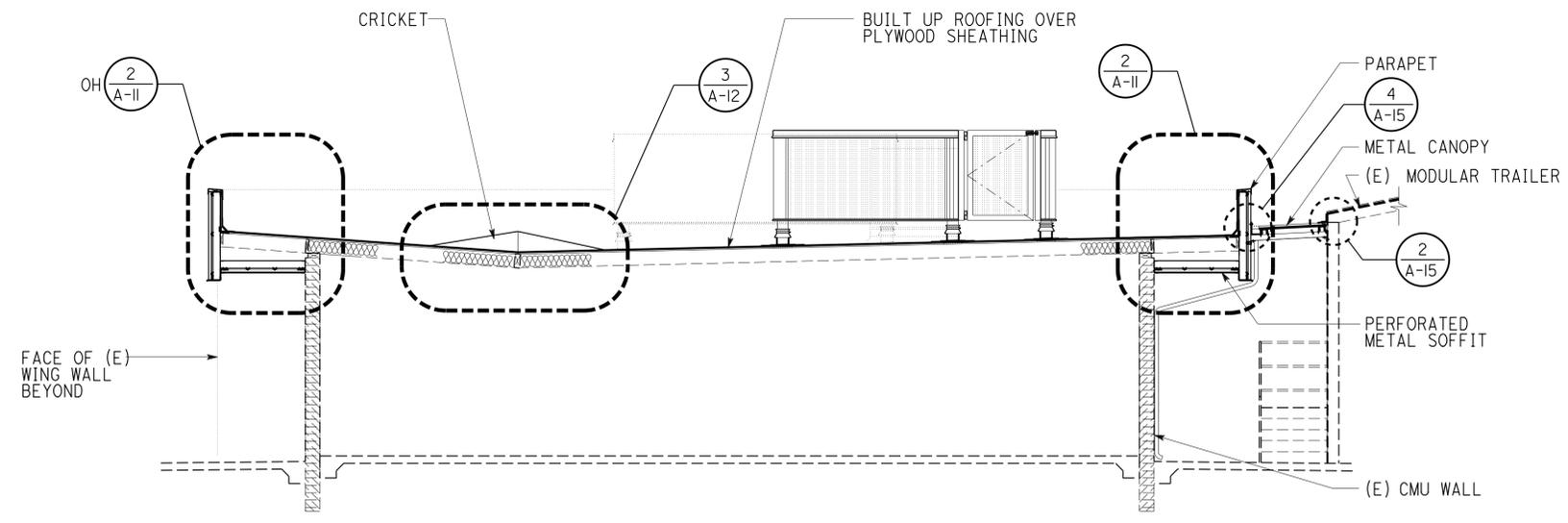
DESIGN	BY DANNY IGNACIO	CHECKED QUINCY WONG
DETAILS	BY DANNY IGNACIO	CHECKED QUINCY WONG
QUANTITIES	BY	CHECKED

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

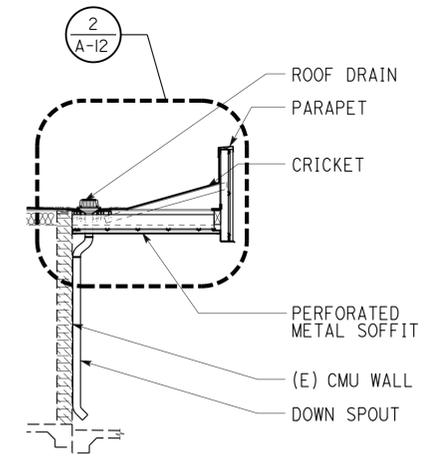
BRIDGE NO.	53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET A-5
POST MILE	R54.4/R54.8		
PROJECT NUMBER & PHASE		MODIFIED EXTERIOR ELEVATIONS	OF
EA 278801		REVISION DATES (PRELIMINARY STAGE ONLY)	
		02/15/11	01/22/11
		09/21/11	01/12/12

24-JUN-2013 13:21

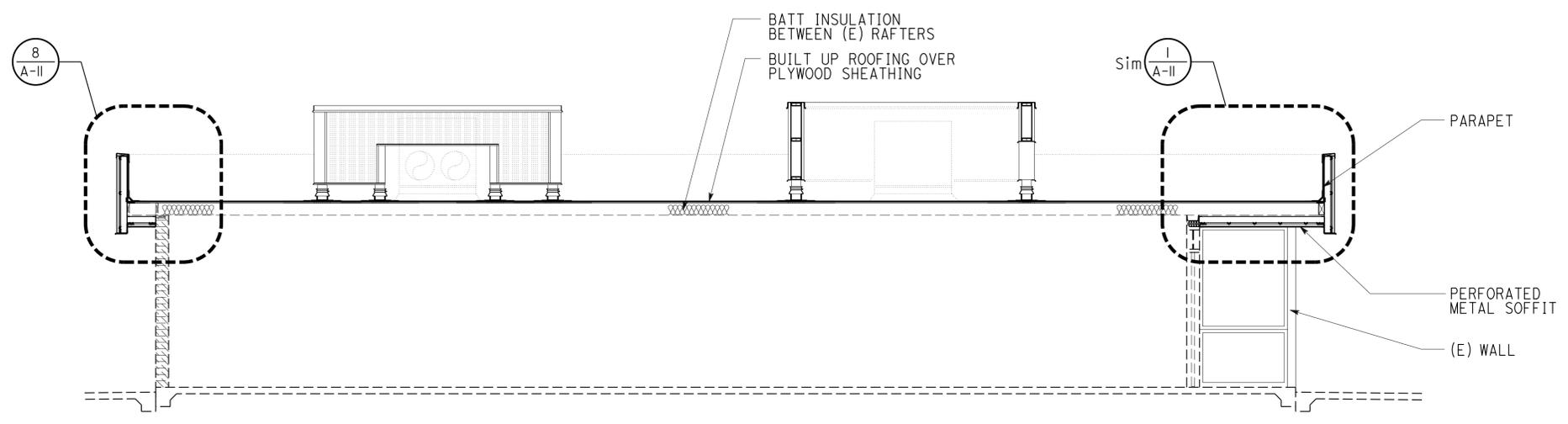
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	25	79
 LICENSED ARCHITECT			01-12-12 DATE		
6-24-13 PLANS APPROVAL DATE					
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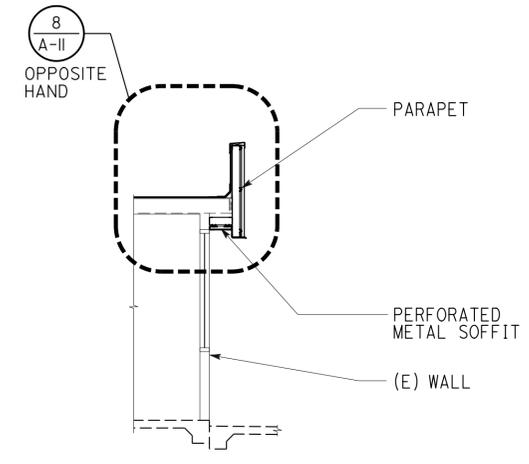
A SECTION
1/4" = 1'-0"



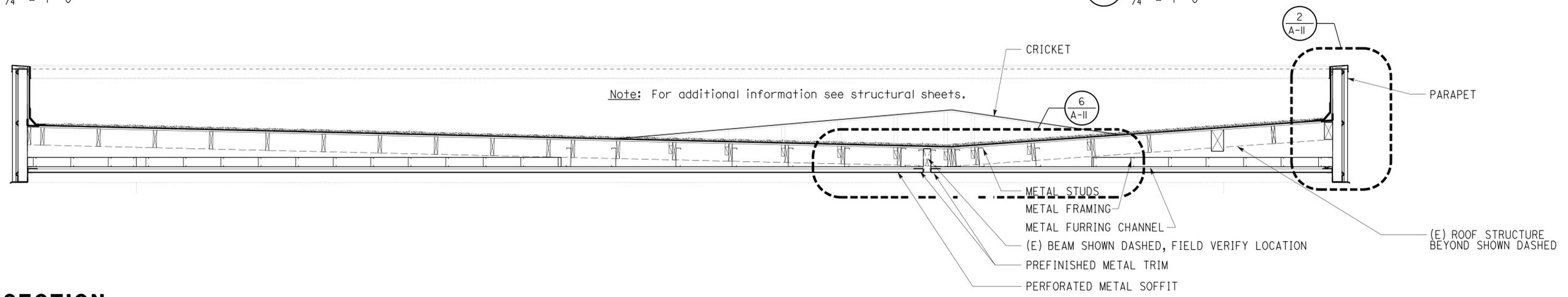
C SECTION
1/4" = 1'-0"



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



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

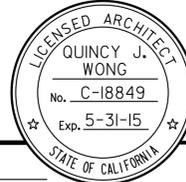


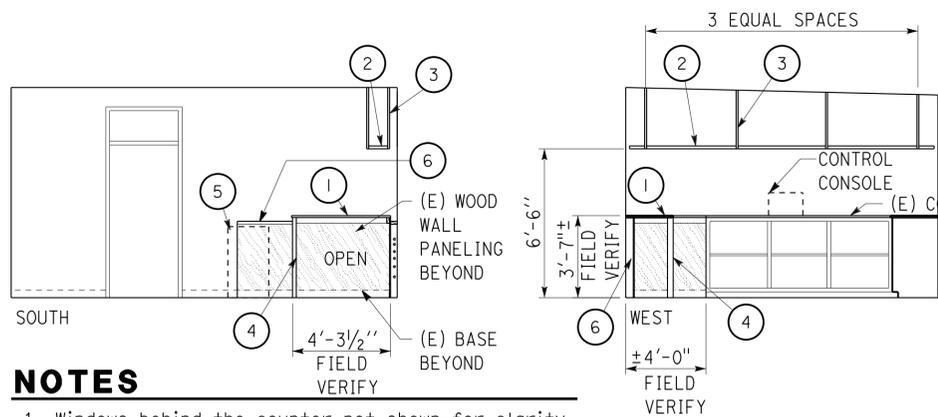
D SECTION
1/2" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Y. A. WANG Date: 12-20-11	Reviewed by:  FRANCIS SOLICH Approval date: 10-16-12

a_06_section.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS BUILDING SECTIONS	SHEET
	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG		UNIT PROJECT NUMBER & PHASE 3598 07000201971	POST MILE R54.4/R54.8		REVISION DATES (PRELIMINARY STAGE ONLY)
24-JUN-2013 13:21	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	02/15/11 01/22/11 02/21/11 01/12/12	SHEET OF		

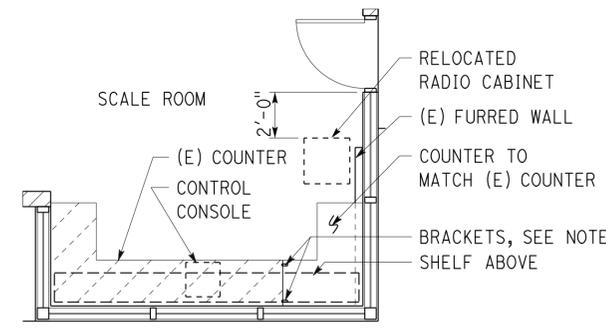
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	26	79

 LICENSED ARCHITECT		01-12-12 DATE	
6-24-13 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.	



KEYED NOTES

- Counter to match (E) counter in finish, color and framing
- Shelf (2) 2" x 10" x 14' to match (E) shelf in finish (varnish & shellac).
- Steel support to match (E) support, enamel paint finish.
- Wood leg to match (e) wood leg in size & finish.
- Relocated radio cabinet
- (E) furred wall



- Notes:
- Provide two 3" L-shaped galv. steel brackets between the existing and counter. Apply a continuous sealant at joint.
 - See this sheet for counter elevations

3 COUNTER PLAN

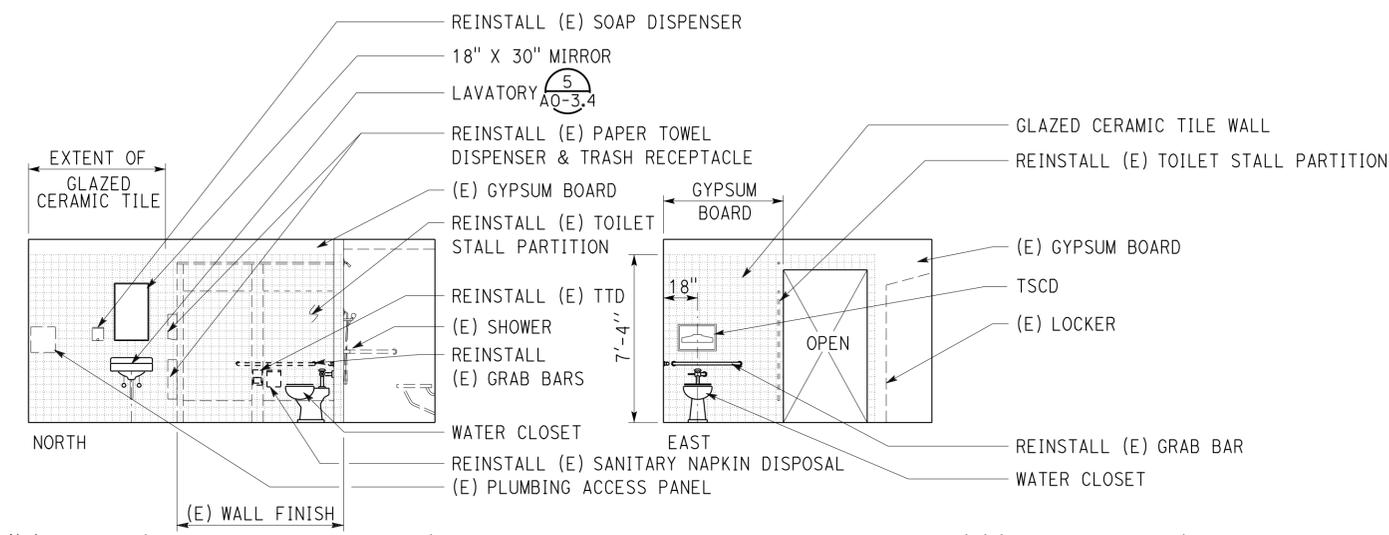
1/4" = 1'-0"

NOTES

- Windows behind the counter not shown for clarity
- Electrical devices not shown for clarity in this counter/shelf elevation. See electrical sheets.

COUNTER ELEVATIONS

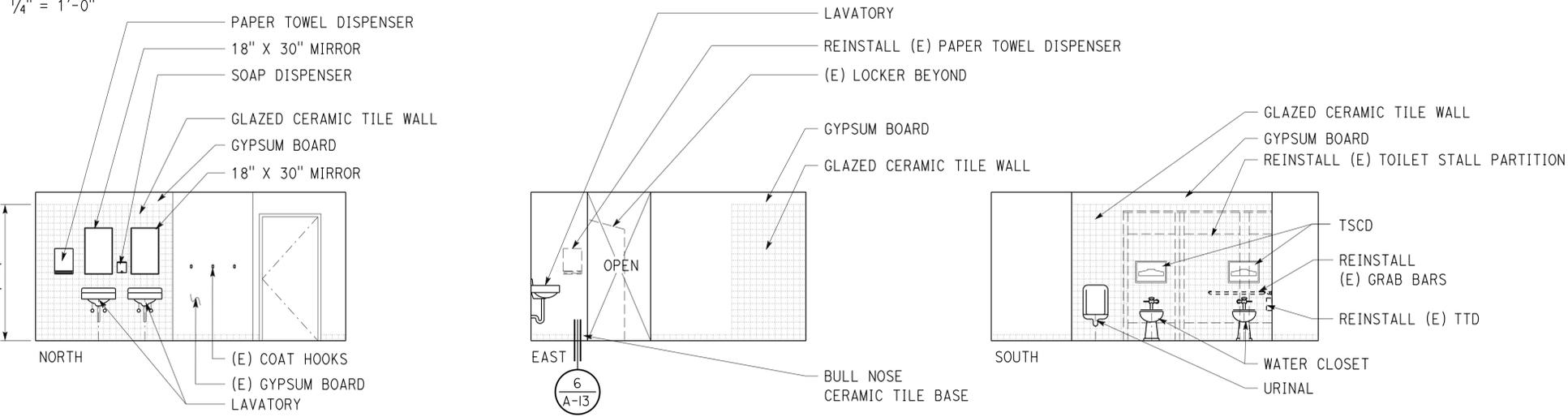
1/4" = 1'-0"



Note: For toilets & lavatory & accessories, see sheet A0-3.4 & A0-3.5 for restroom accessibility standard requirements

WOMENS RESTROOM ELEVATIONS

1/4" = 1'-0"



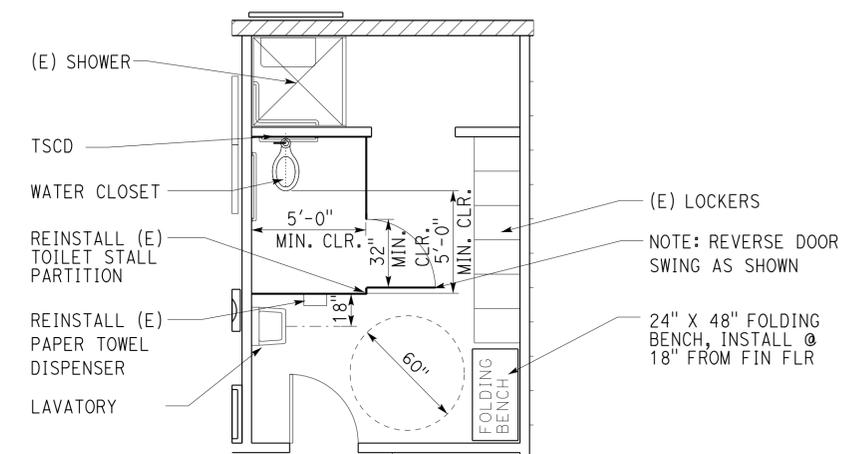
Note: For toilets & lavatory & accessories, see sheet A0-3.4 & A0-3.5 for restroom accessibility standard requirements

MENS RESTROOM ELEVATION

1/4" = 1'-0"

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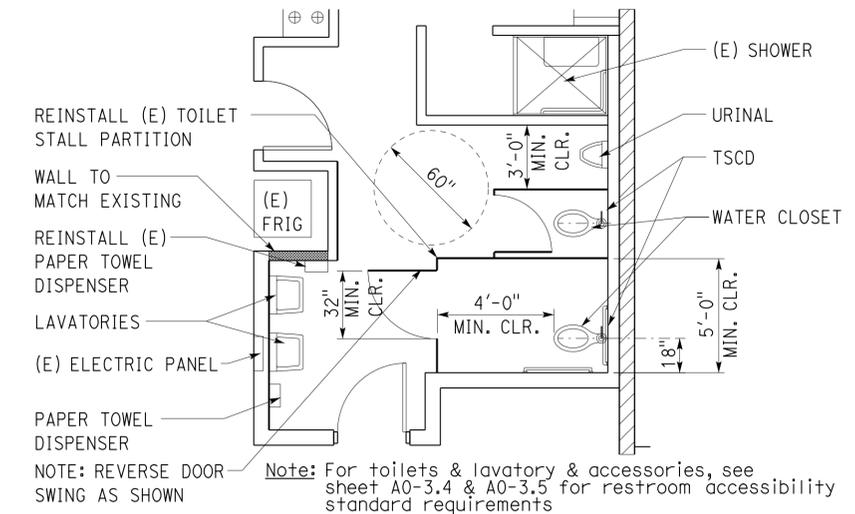
ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID: 0700020197
 Reviewed by: Y. A. WANG
 Date: 12-20-11



Note: For toilets & lavatory & accessories, see sheet A0-3.4 & A0-3.5 for restroom accessibility standard requirements

2 WOMEN'S RESTROOM PLAN

1/4" = 1'-0"



Note: For toilets & lavatory & accessories, see sheet A0-3.4 & A0-3.5 for restroom accessibility standard requirements

1 MEN'S RESTROOM PLAN

1/4" = 1'-0"

a_07_int_elev.dgn TAEMW Imperial Rev. 7/10	DESIGN	BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	INTERIOR ELEVATIONS	SHEET	A-7
	DETAILS	BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE	R54.4/R54.8			REVISION DATES (PRELIMINARY STAGE ONLY)	02-15-11 01-22-11 02-21-11 05-21-13
	QUANTITIES	BY	CHECKED								

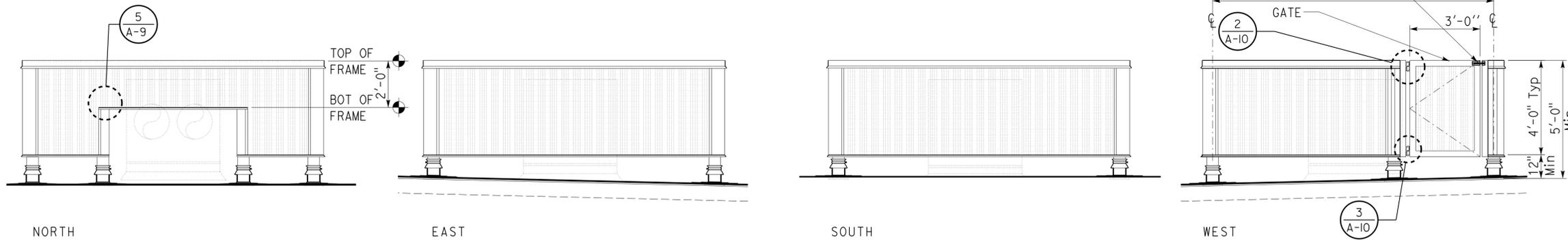
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3

UNIT PROJECT NUMBER & PHASE: 3598 07000201971

DISREGARD PRINTS BEARING EARLIER REVISION DATES

24-JUN-2013 13:21

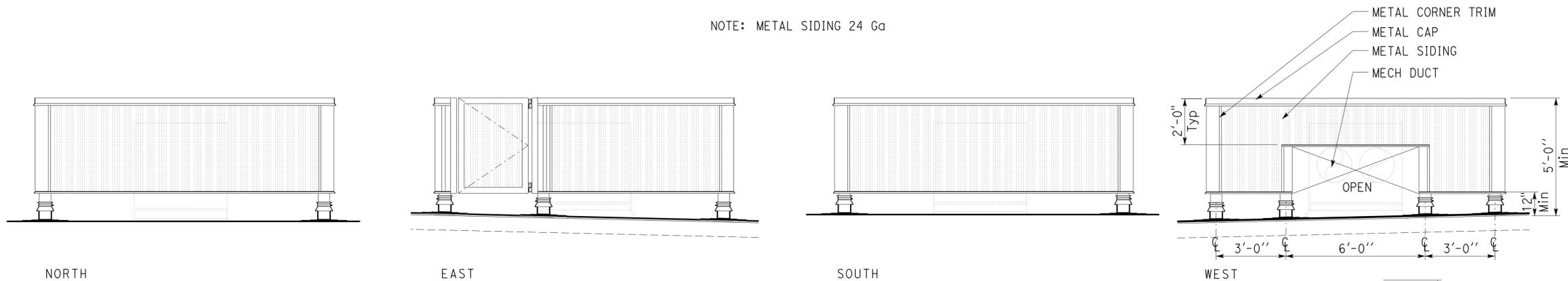
NOTE: METAL SIDING 24 Ga



SCREEN WALL #1 - ELEVATIONS

3/8" = 1'-0"

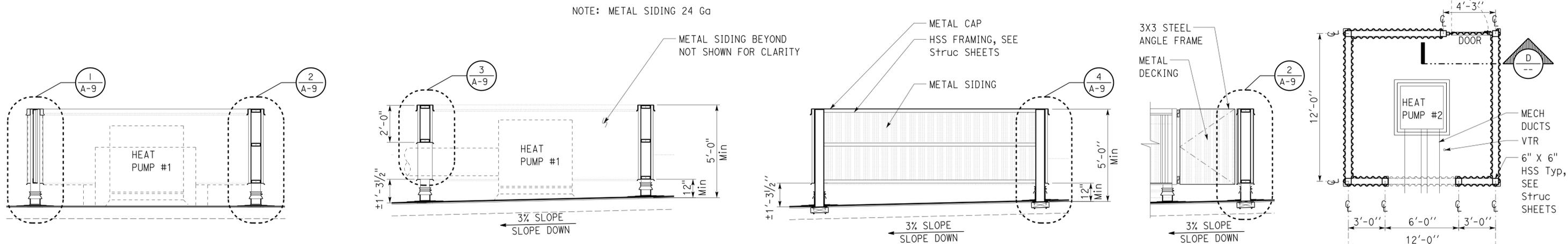
NOTE: METAL SIDING 24 Ga



SCREEN WALL #2 - ELEVATIONS

3/8" = 1'-0"

NOTE: METAL SIDING 24 Ga



SECTION "C"

3/8" = 1'-0"

SECTION "B"

3/8" = 1'-0"

SECTION "A"

3/8" = 1'-0"

SECTION "D"

3/8" = 1'-0"

PLAN-SCREEN WALL #2

1/4" = 1'-0"

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	27	79

01-12-12 DATE

6-24-13 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP
DOT / DES / OTA

PROJECT ID: 0700020197

Reviewed by: FRANCIS SOLICH
Date: 10-16-12

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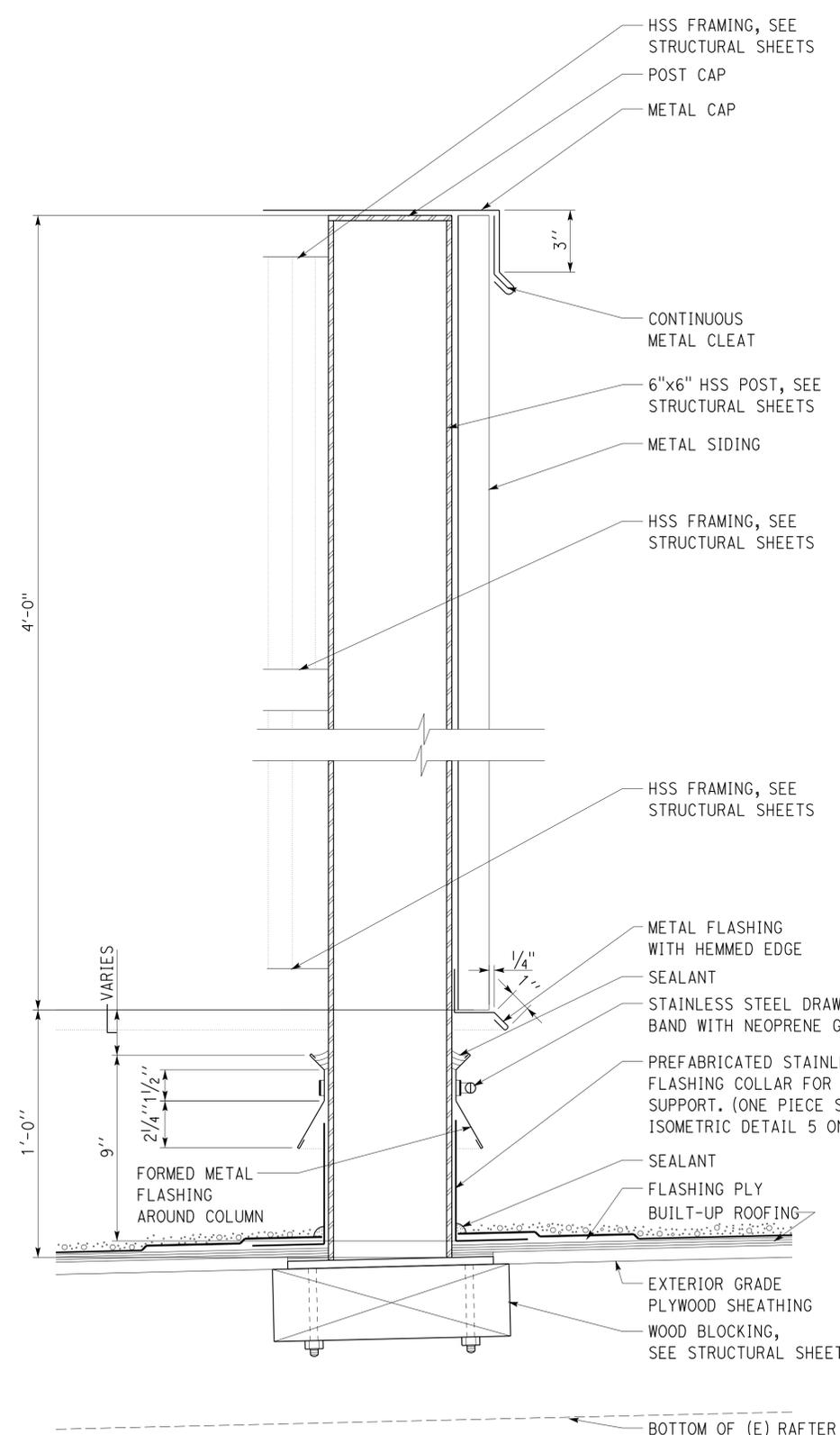
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	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		EQUIPMENT SCREEN DETAILS
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3598 07000201971	EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	28	79

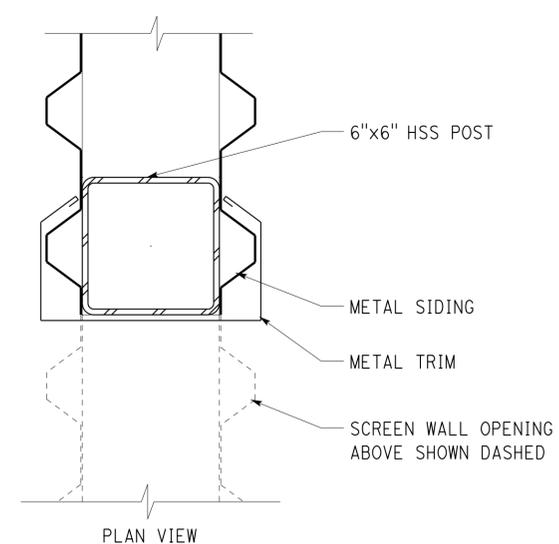
01-12-12 DATE
 LICENSED ARCHITECT
 QUINCY J. WONG
 No. C-18849
 Exp. 5-31-15
 STATE OF CALIFORNIA

6-24-13
 PLANS APPROVAL DATE
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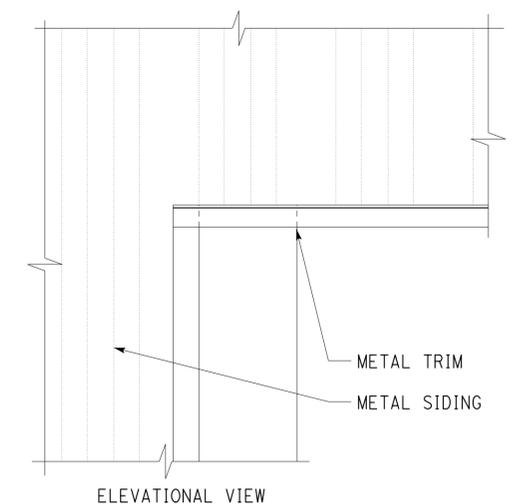
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 12-20-11	Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-16-12



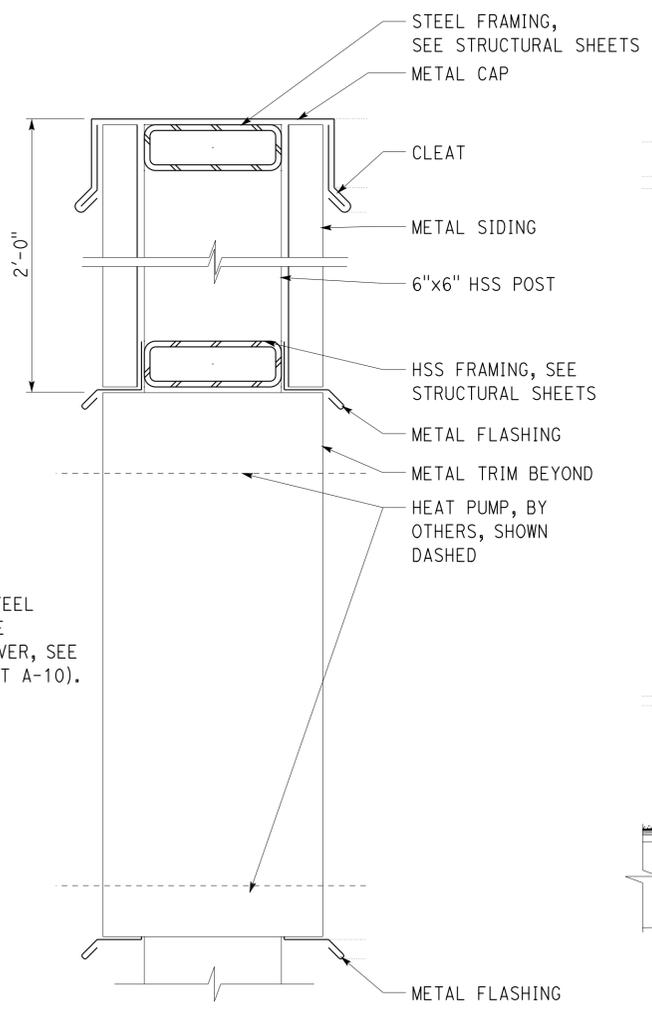
4 SECTION AT HSS POST
3" = 1'-0"



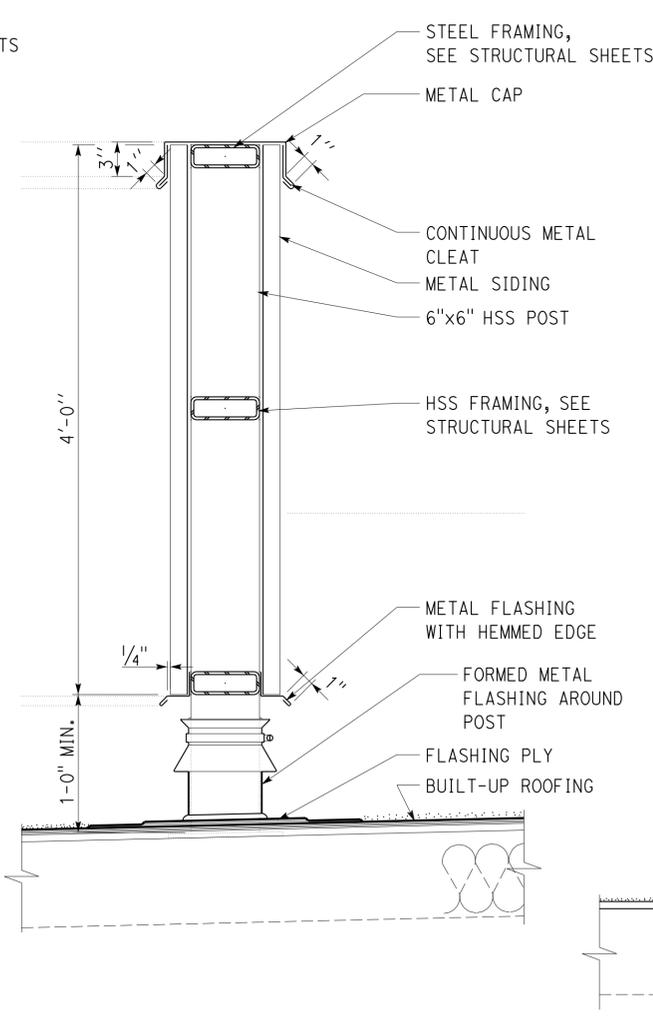
6 SCREEN WALL AT OPENING
SCALE 3" = 1'-0"



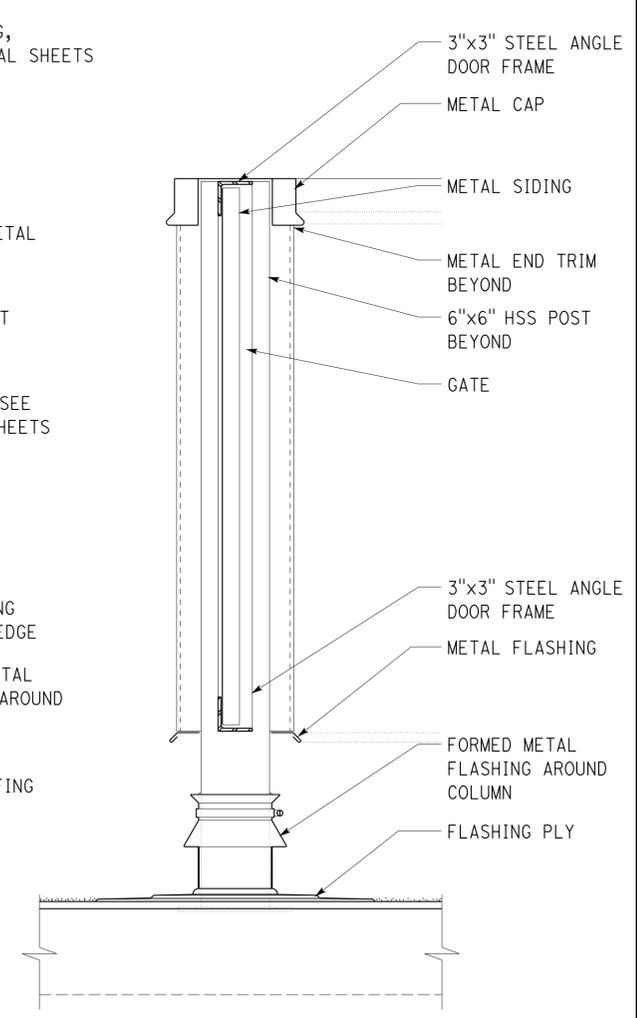
5 SECTION
SCALE 1 1/2" = 1'-0"



3 SECTION
3" = 1'-0"



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



1 GATE SECTION
1 1/2" = 1'-0"

a_09_screen_det.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	EQUIPMENT SCREEN DETAILS	SHEET OF
	DETAILS	BY DANNY IGNACIO	CHECKED QUINCY WONG			53W000IR			
24-JUN-2013 13:21	QUANTITIES	BY	CHECKED	UNIT	3598	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	PROJECT NUMBER & PHASE	07000201971	02-15-11 01-22-11 09-21-11 01-12-12	

24-JUN-2013 13:21

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	29	79

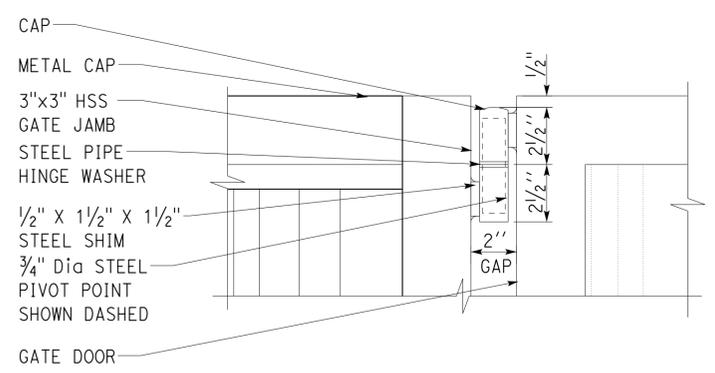
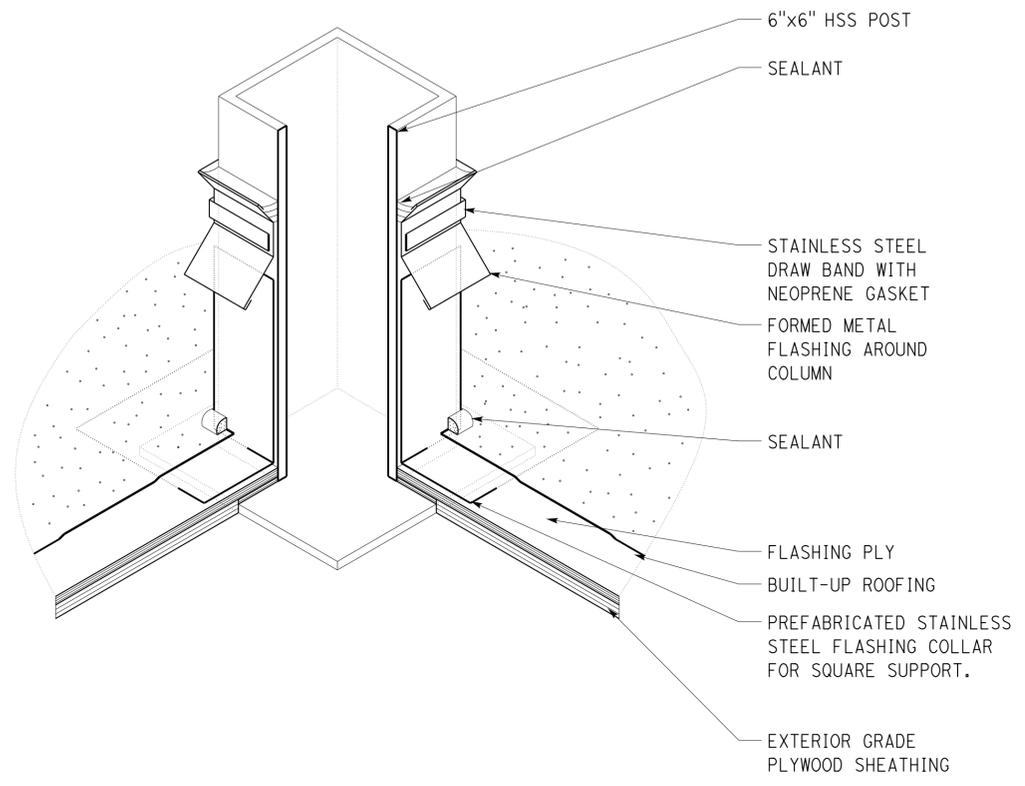
<i>Quincy Wong</i>		01-12-12
LICENSED ARCHITECT	DATE	

6-24-13	
PLANS APPROVAL DATE	

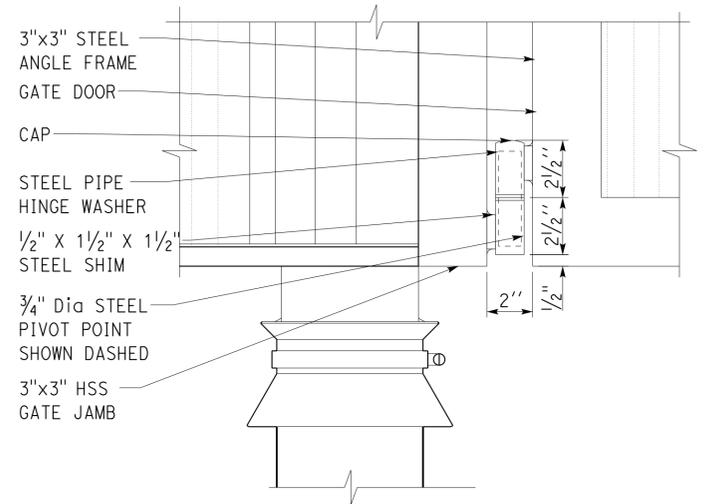
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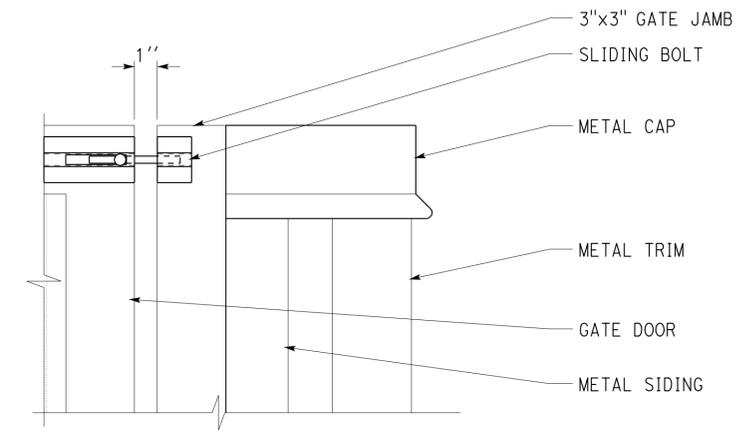
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: <i>[Signature]</i> Y. WANG Date: 12-20-11	Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-16-12



2 GATE HINGE
3" = 1'-0"

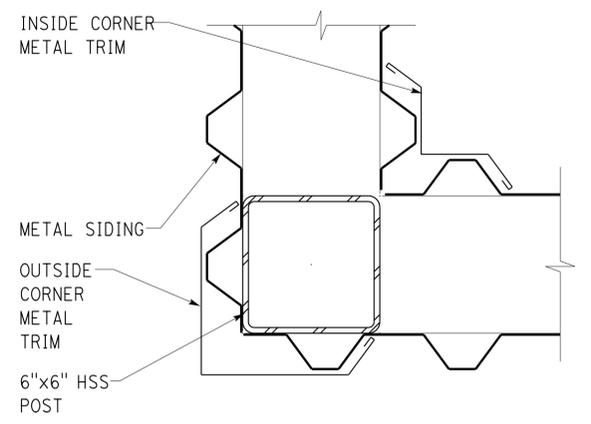


3 GATE HINGE
3" = 1'-0"

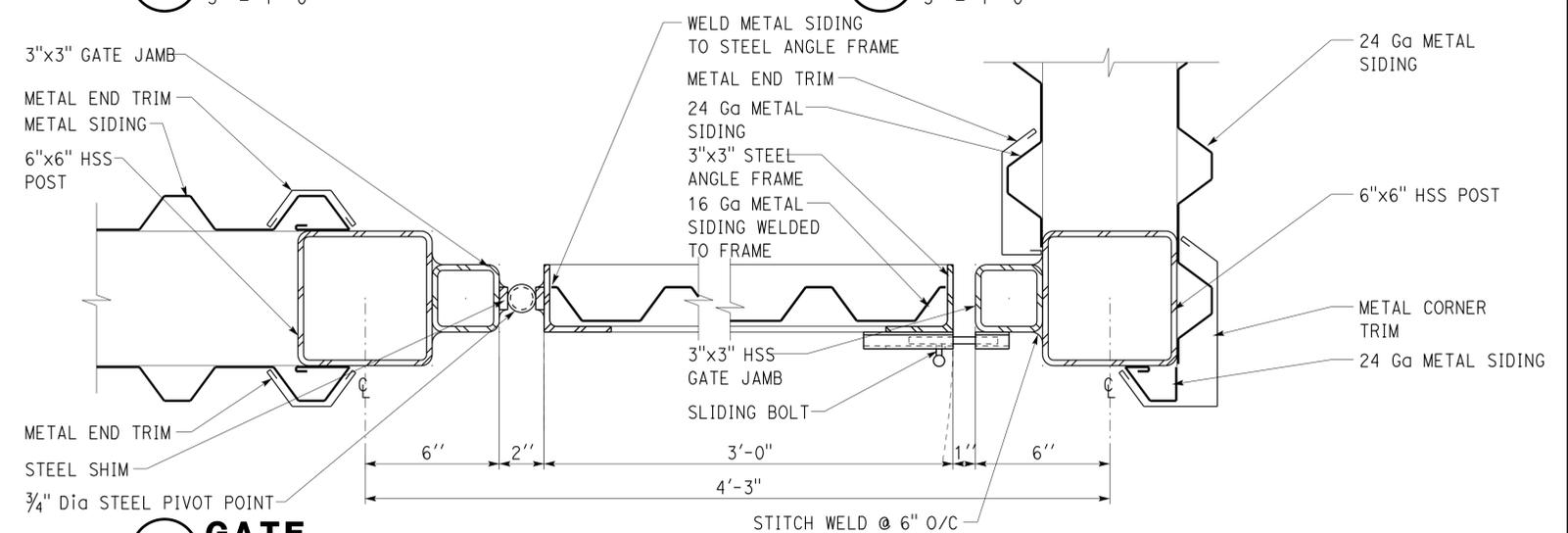


1 SLIDING BOLT
3" = 1'-0"

5 ISOMETRIC - HSS POST AT ROOF
3" = 1'-0"



6 SCREEN WALL CORNER
3" = 1'-0"



4 GATE
3" = 1'-0"

a_10_screen_det.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET
	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		EQUIPMENT SCREEN DETAILS
24-JUN-2013 13:21	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3598 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

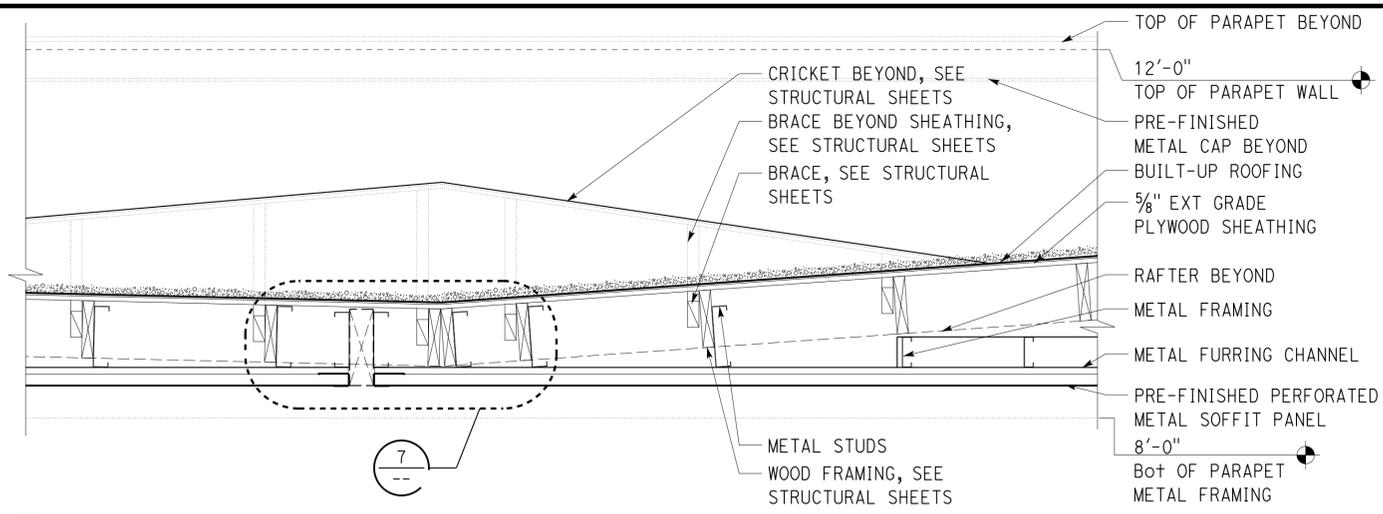
24-JUN-2013 13:21

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	30	79

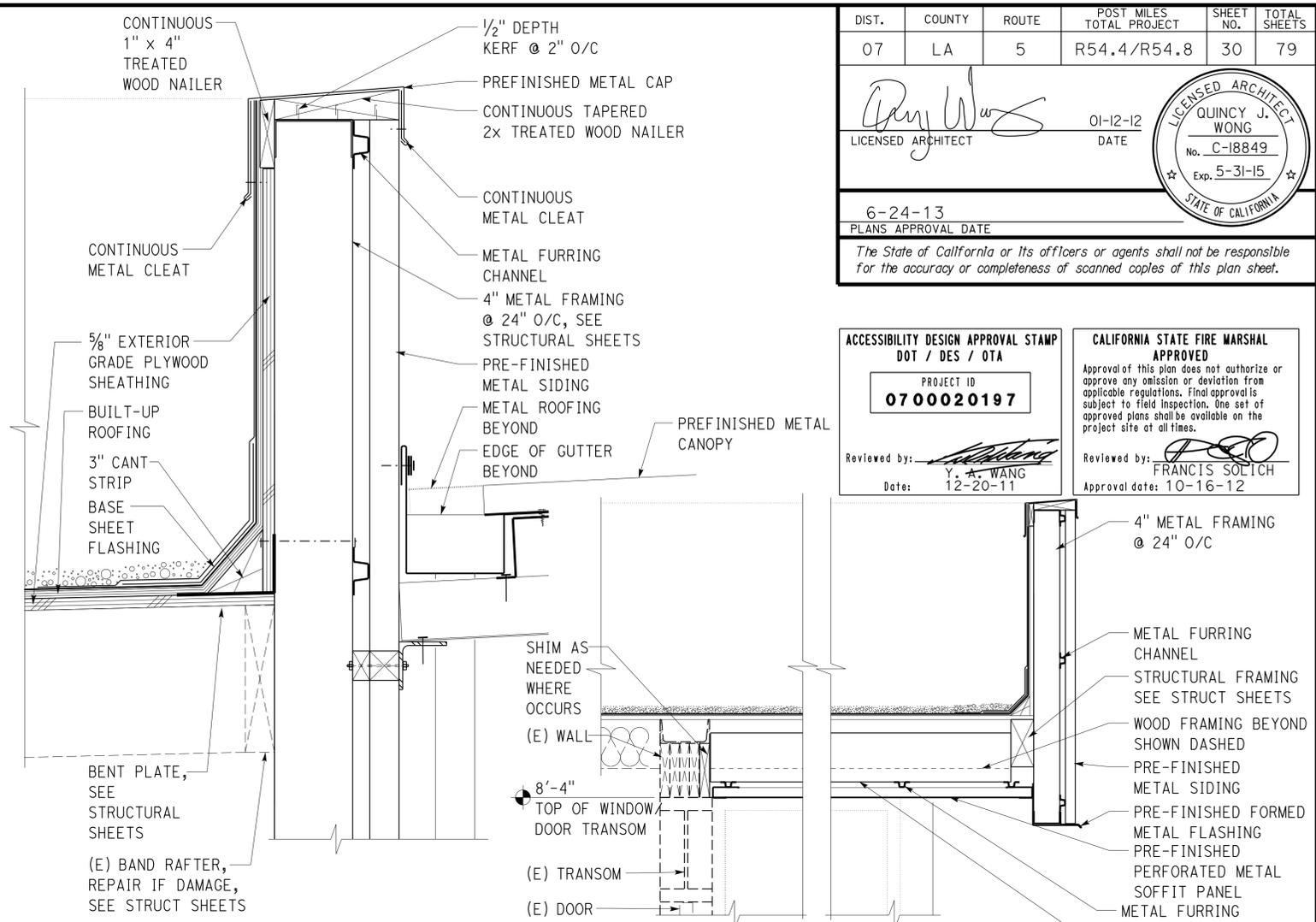
01-12-12 DATE
 6-24-13 PLANS APPROVAL DATE
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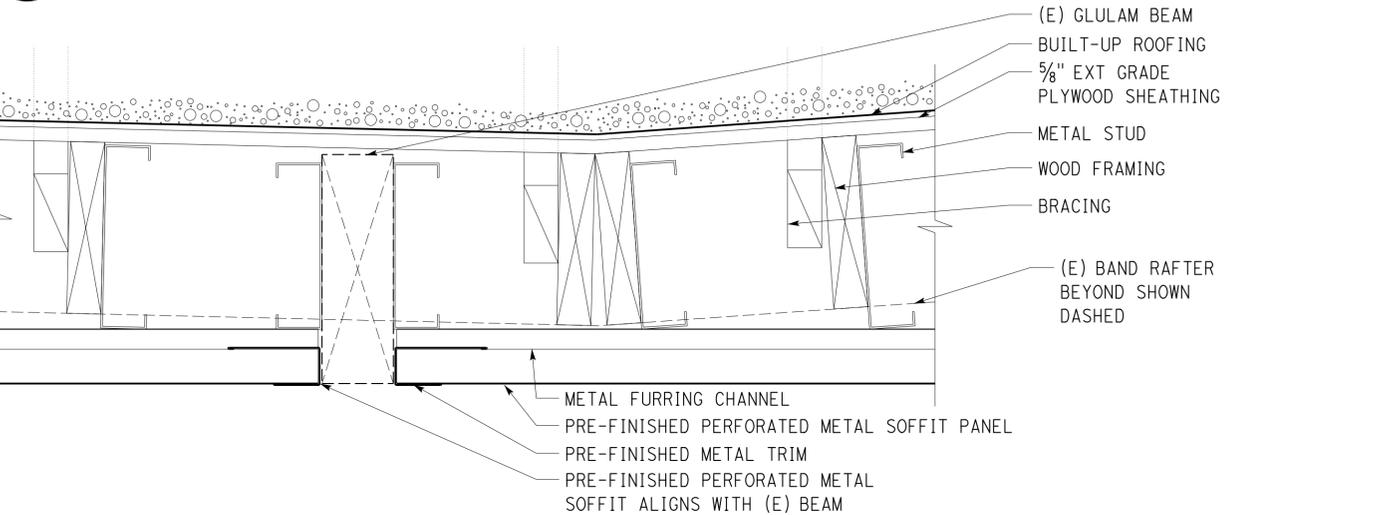
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DOT / DES / OTA PROJECT ID 0700020197 Reviewed by: <i>[Signature]</i> Date: 12-20-11	Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-16-12



6 PARAPET AT LOW POINT
1" = 1'-0"

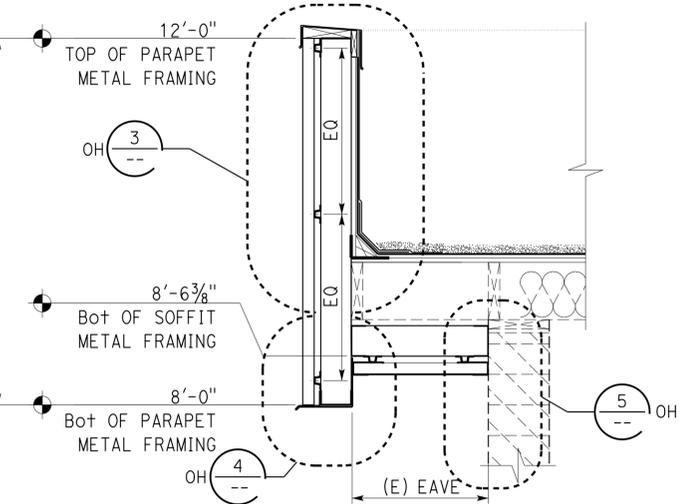


3 METAL CAP AT PARAPET
3" = 1'-0"

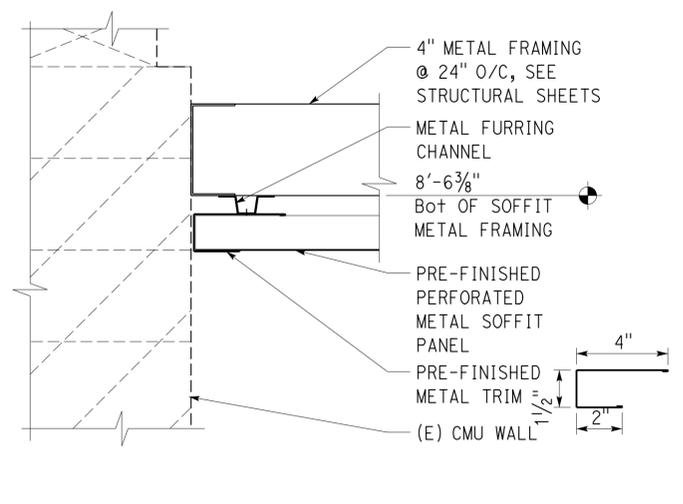


7 SOFFIT AT (E) BEAM
3" = 1'-0"

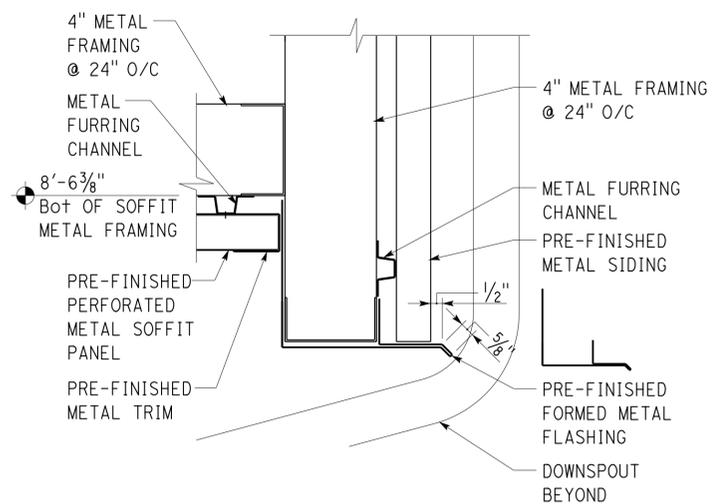
1 SOFFIT AT DOOR
1" = 1'-0"



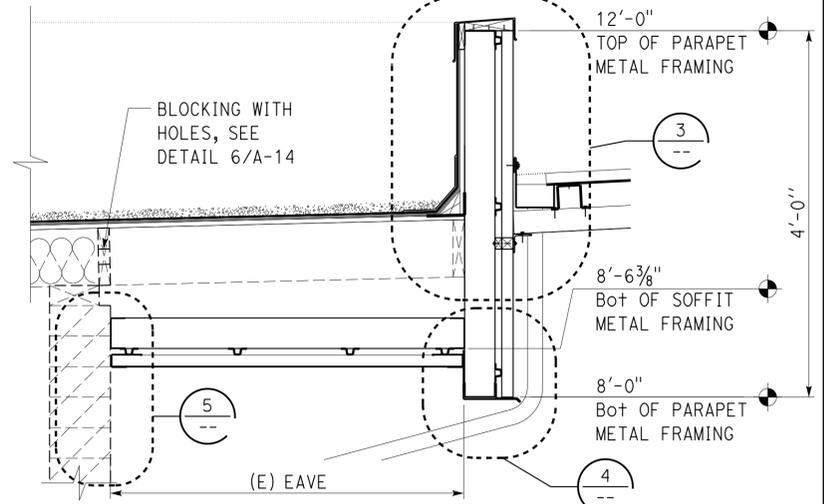
8 PARAPET SECTION
1" = 1'-0"



5 SOFFIT AT (E) CMU WALL
3" = 1'-0"



4 SOFFIT AT PARAPET
3" = 1'-0"



2 PARAPET SECTION
1" = 1'-0"

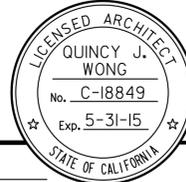
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DETAILS	BY DANNY IGNACIO	CHECKED QUINCY WONG
QUANTITIES	BY	CHECKED

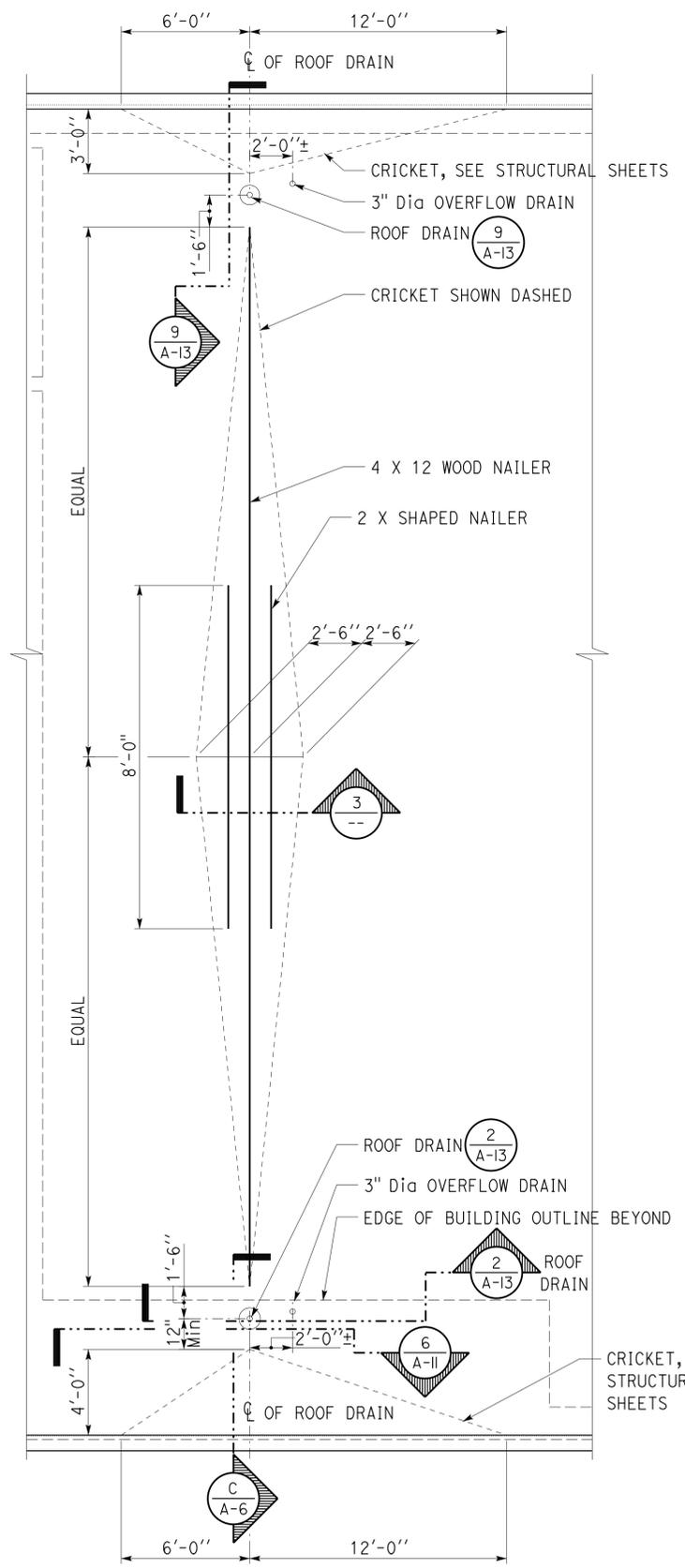
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF ENGINEERING SERVICES
 ARCHITECTURAL AND STRUCTURAL DESIGN
 BRIDGE NO. 53W000IR
 POST MILE R54.4/R54.8

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
 PARAPET DETAILS
 SHEET **A-11**

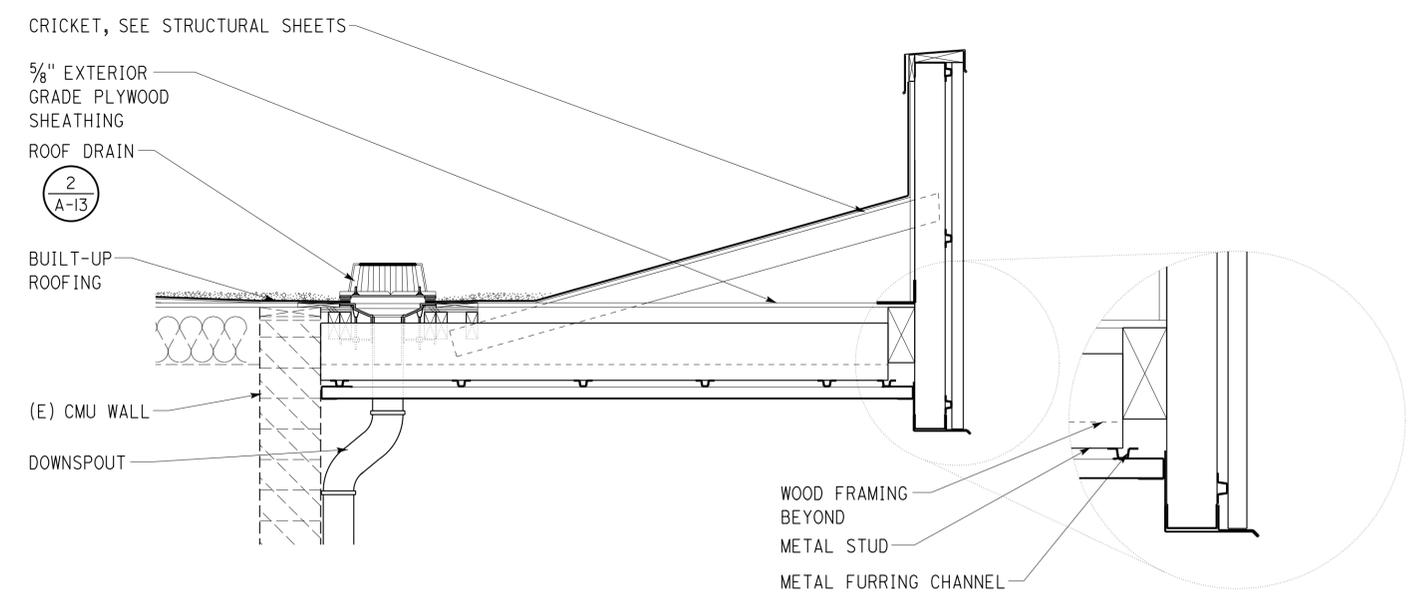
24-JUN-2013 13:21

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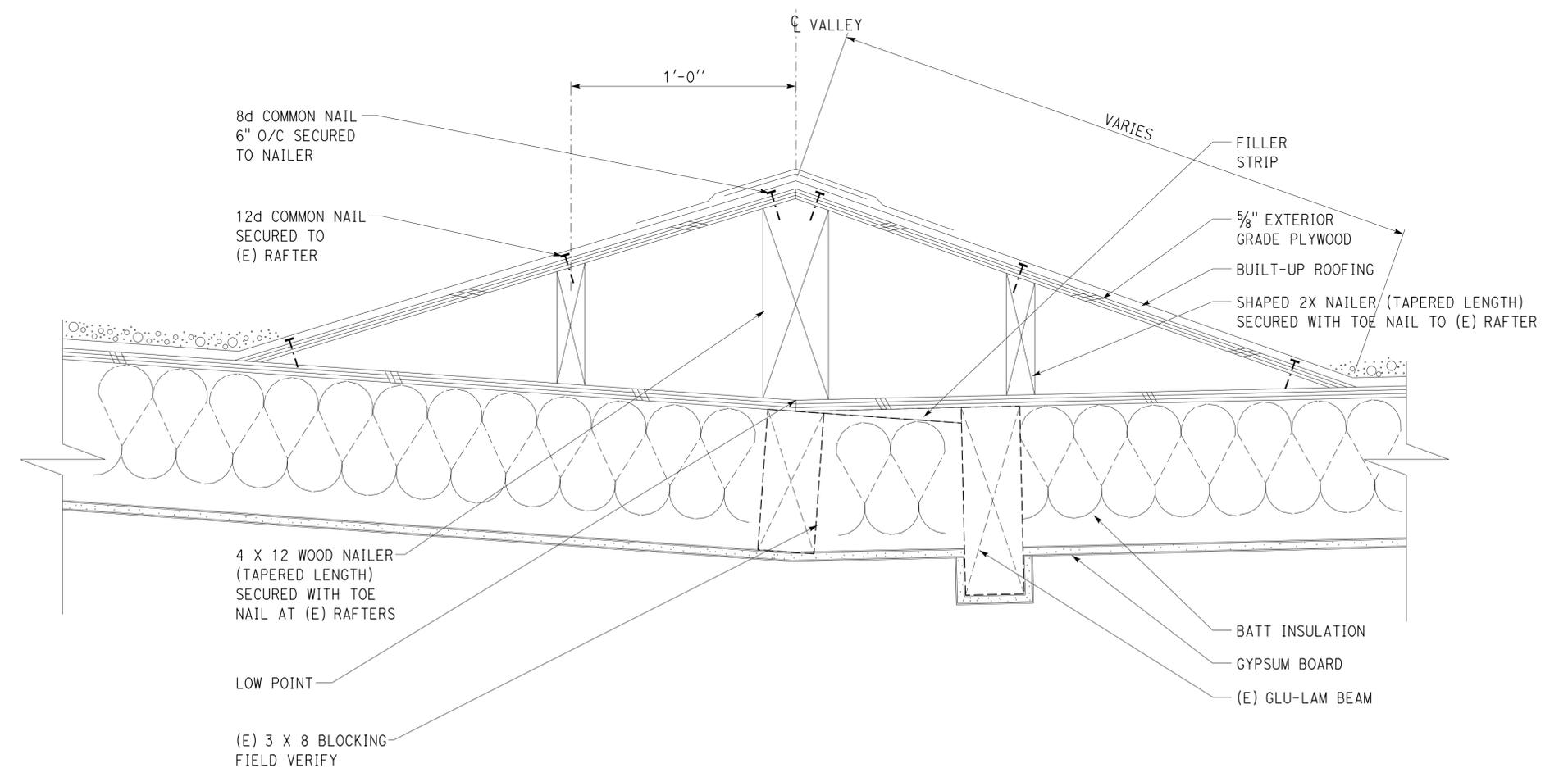
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PLANS APPROVAL DATE 6-24-13 <i>The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.</i>			



1 CRICKET FRAMING PLAN
1/4" = 1'-0"



2 PARAPET AT GUTTER
1" = 1'-0"



3 CRICKET SECTION
3" = 1'-0"

a_12_roof_det.dgn TAEMWW Imperial Rev. 7/10 24-JUN-2013 13:21	DESIGN BY DANNY IGNACIO CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR POST MILE R54.4/R54.8	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS ROOF DETAILS	SHEET A-12
	TOM MESICH STRUCTURAL REVIEW BY		DETAILS BY DANNY IGNACIO CHECKED QUINCY WONG	UNIT PROJECT NUMBER & PHASE 3598 07000201971		DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 02/15/11 01/22/11 09/21/11 01/12/12

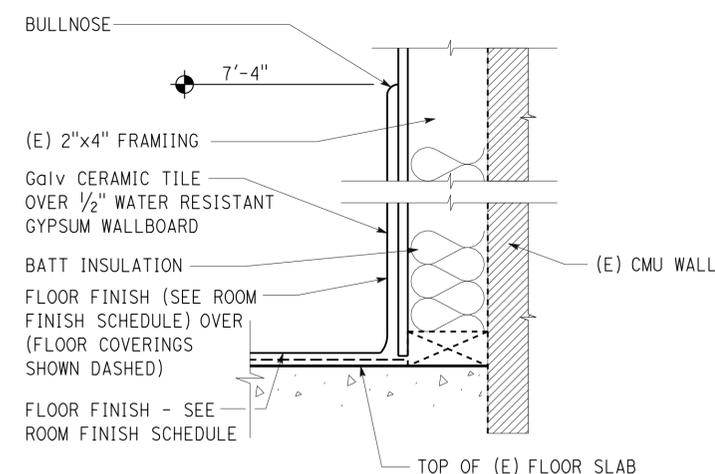
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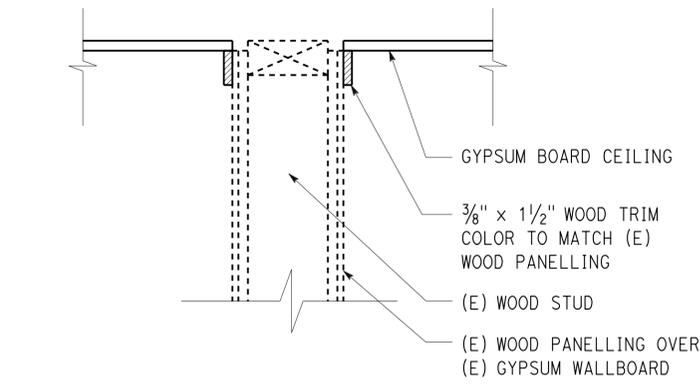
01-12-12 DATE
 6-24-13 PLANS APPROVAL DATE
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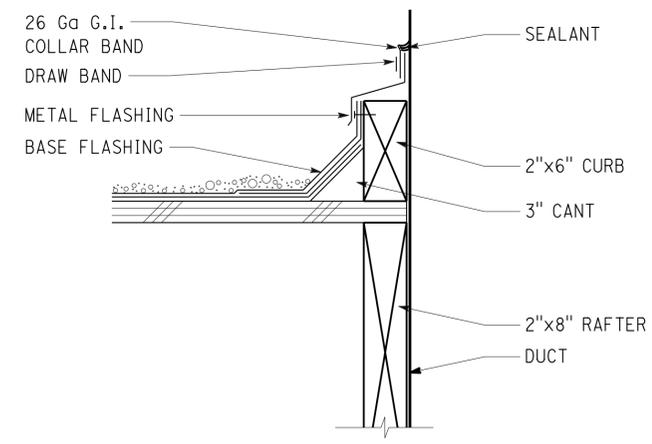
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 12-20-11	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> FRANCIS SOLICH Approval date: 10-16-12
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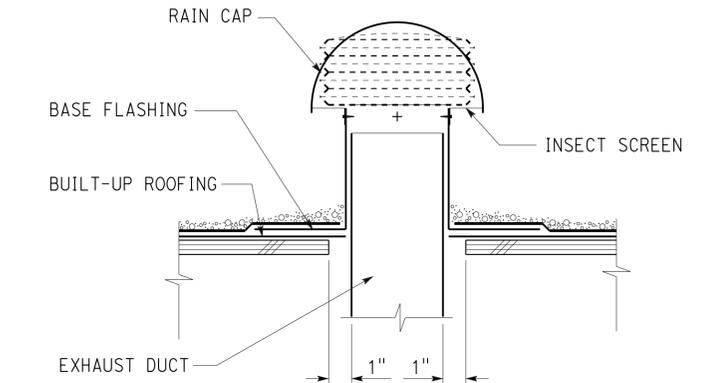
7 FURRED WALL, Typ
3" = 1'-0"



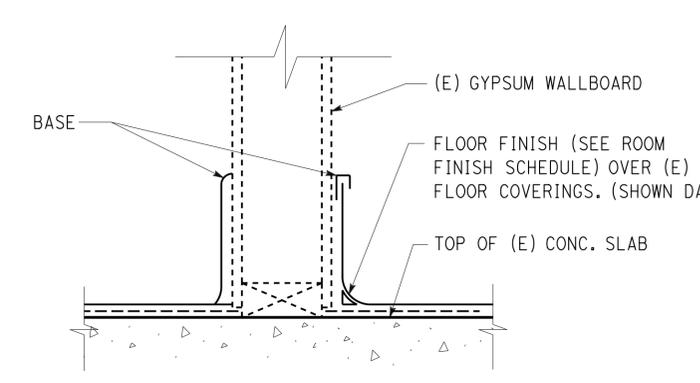
5 WOOD TRIM AT CEILING AND (E) WALL, Typ
3" = 1'-0"



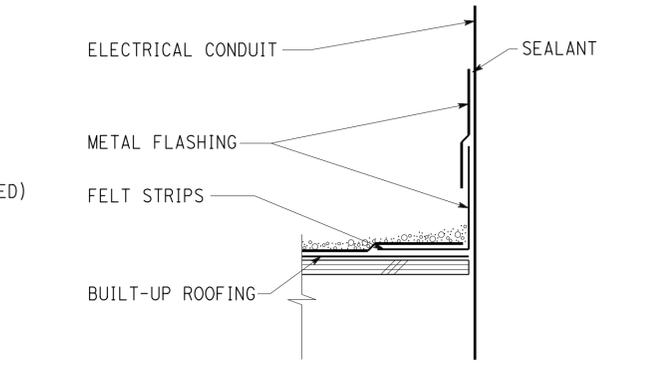
3 DUCT PENETRATION



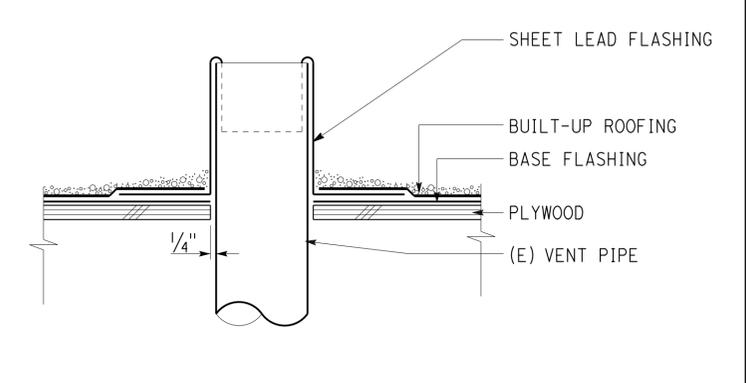
8 EXHAUST VENT



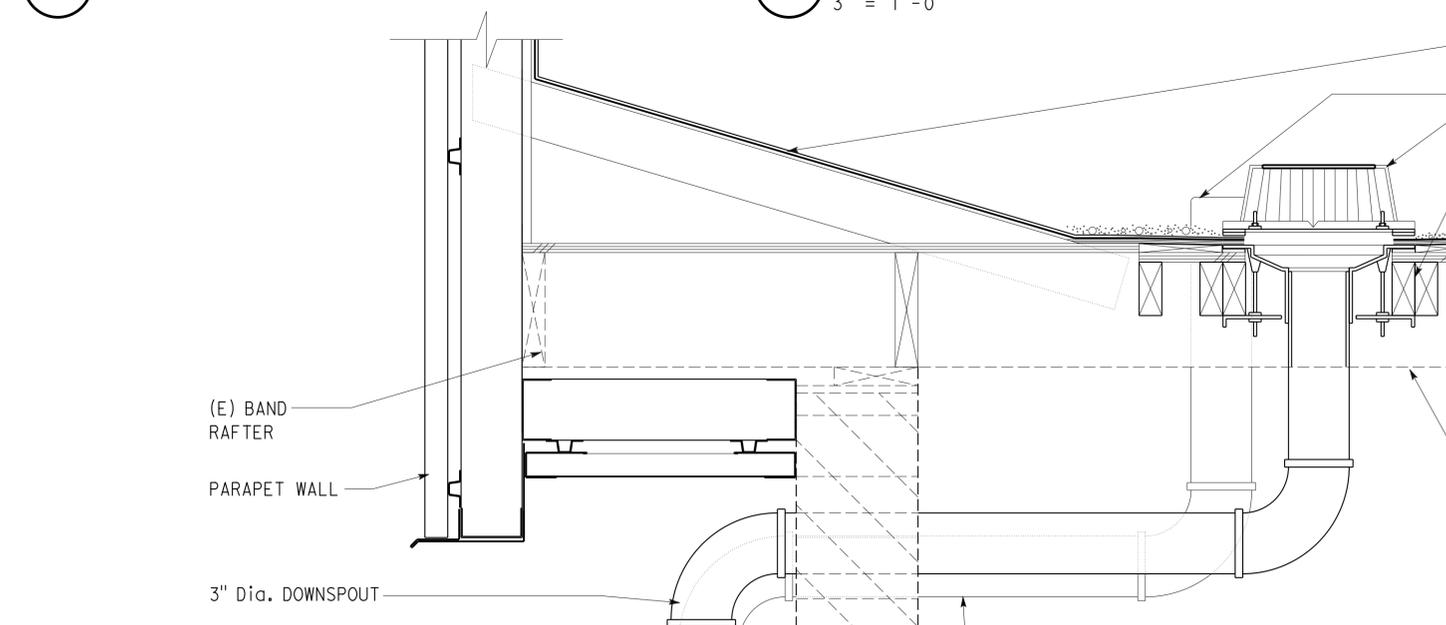
6 NEW BASE AT (E) WALL, Typ
3" = 1'-0"



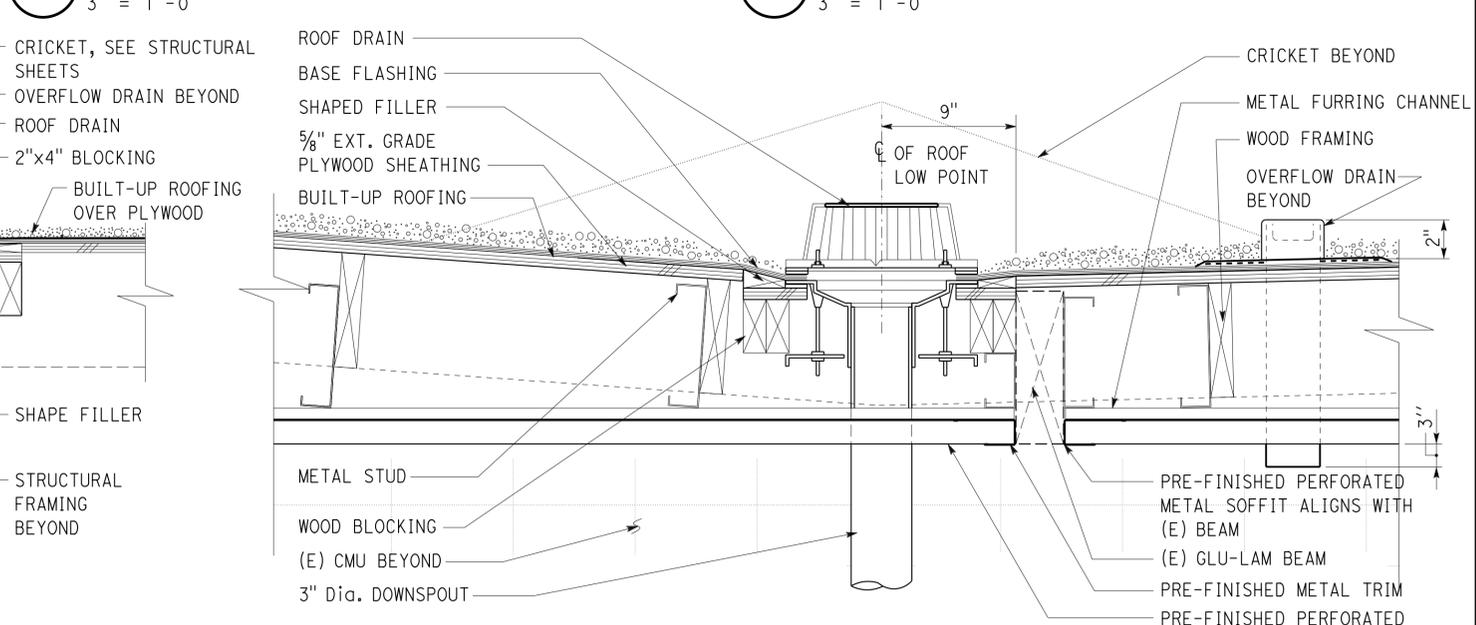
4 ELECTRICAL CONDUIT, Typ
3" = 1'-0"



1 VENT THRU ROOF
3" = 1'-0"

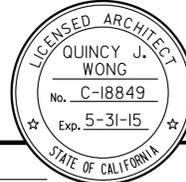


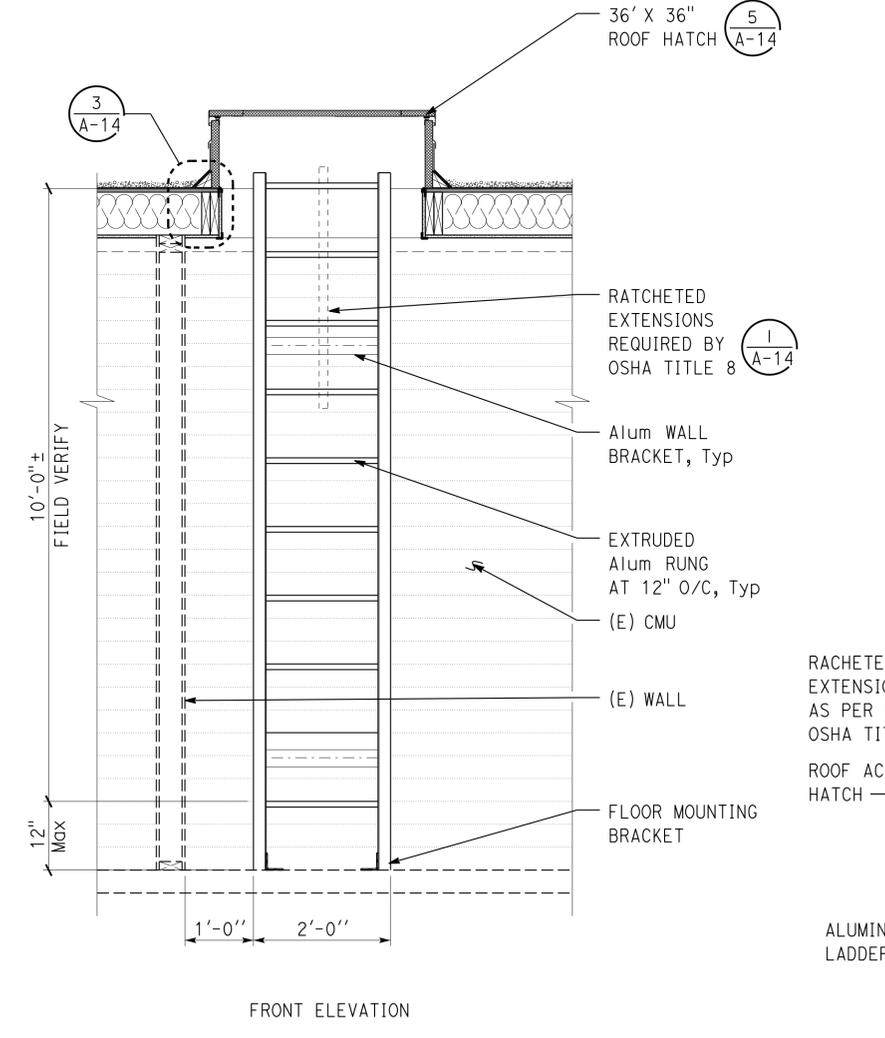
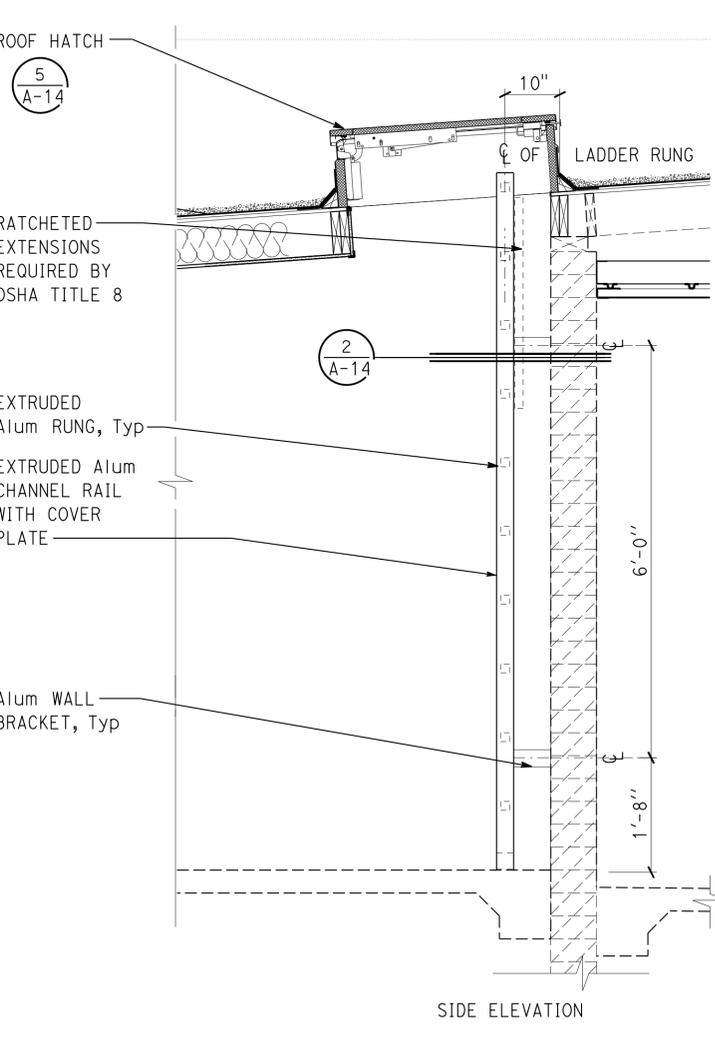
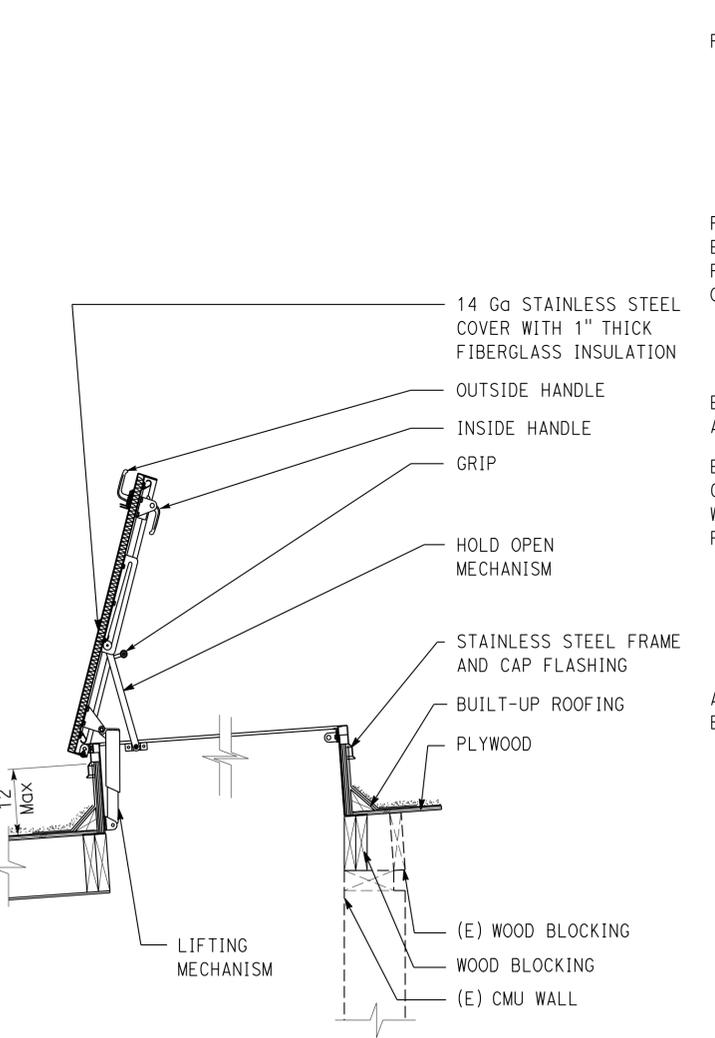
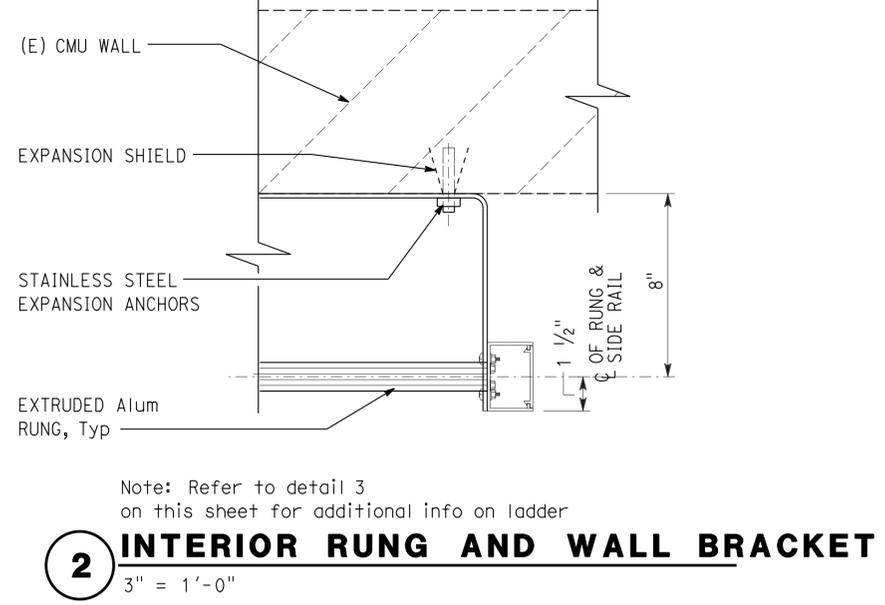
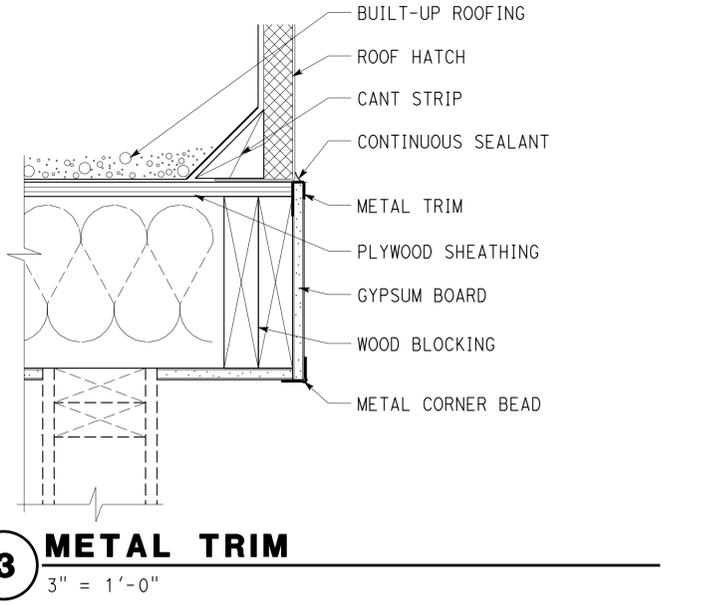
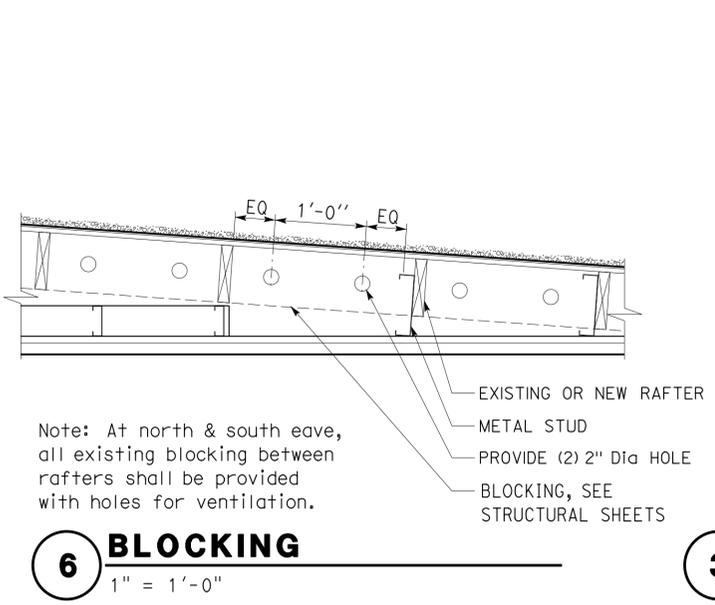
9 EAST-WALL ROOF DRAIN
2" = 1'-0"
NOTE: SEE DETAIL 2 ON THIS SHEET FOR ADDITIONAL INFO



2 WEST WALL-ROOF DRAIN
2" = 1'-0"
Note: Provide 3" dia galv overflow. Top 2" above low point of drain well shown above. Separate drain line to terminate 1" below soffit.

a_13_roof_det.dgn TAEMWW Imperial Rev. 7/10	DESIGN	BY DANNY IGNACIO	CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET A-13
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				0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	02-15-11 01-22-11 09-11-11 01-12-12	REVISION DATES (PRELIMINARY STAGE ONLY)	

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	33	79
 LICENSED ARCHITECT			01-12-12 DATE	 LICENSED ARCHITECT	
6-24-13 PLANS APPROVAL DATE					
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Reviewed by:  Y. A. WANG Date: 12-20-11	Reviewed by:  FRANCIS SOLICH Approval date: 10-16-12

5 SECTION- ROOF ACCESS
3/4" = 1'-0"

4 ACCESS LADDER TO THE ROOF
3/4" = 1'-0"

2 INTERIOR RUNG AND WALL BRACKET
3" = 1'-0"

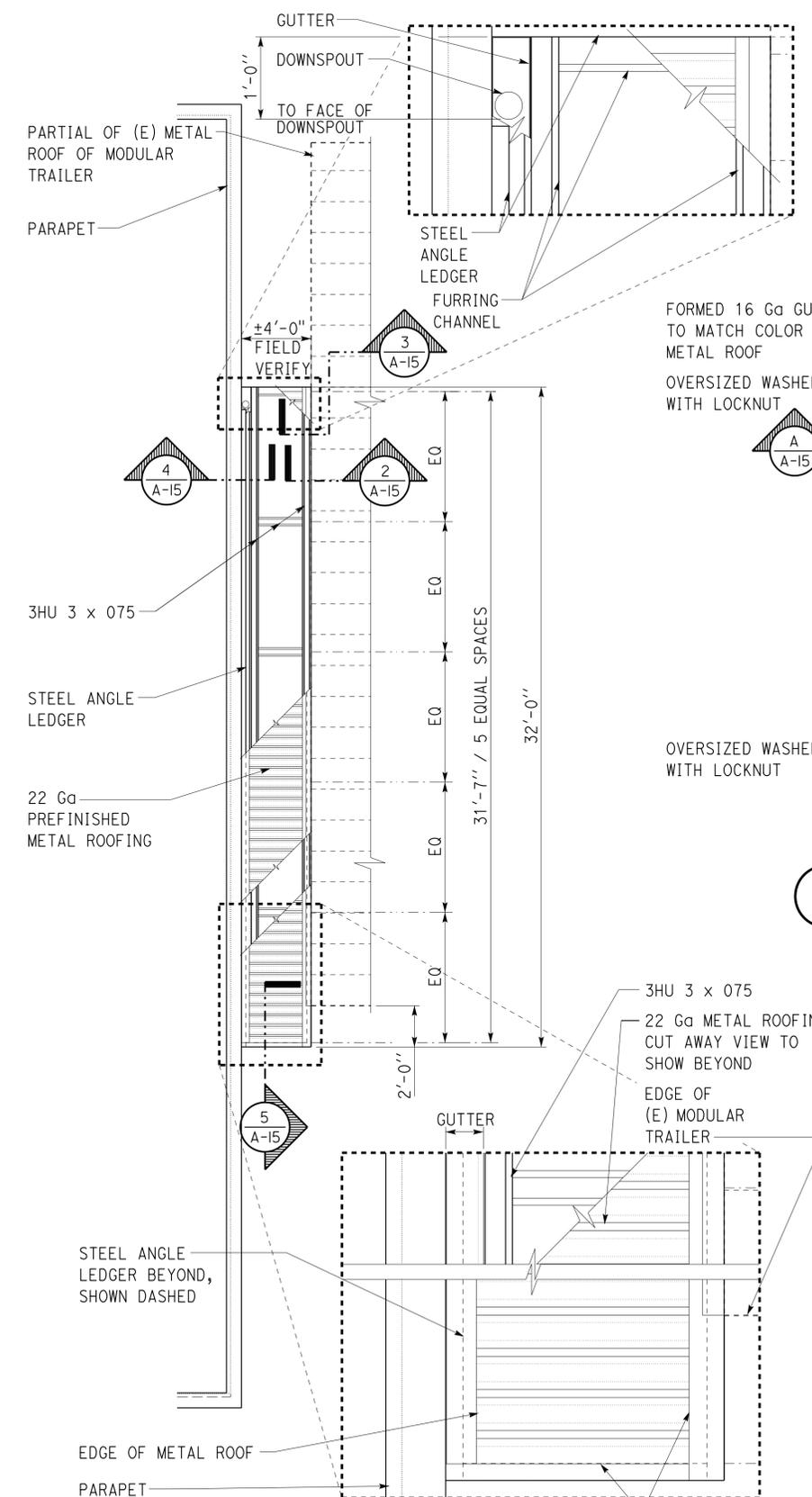
1 ACCESS HATCH ISOMETRIC

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	DETAILS BY DANNY IGNACIO	CHECKED QUINCY WONG			POST MILE R54.4/R54.8		ROOF ACCESS DETAILS	A-14
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0	1	2	3	UNIT PROJECT NUMBER & PHASE 3598 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
							02-15-11 01-22-11 09-27-11 01-12-12	13-21

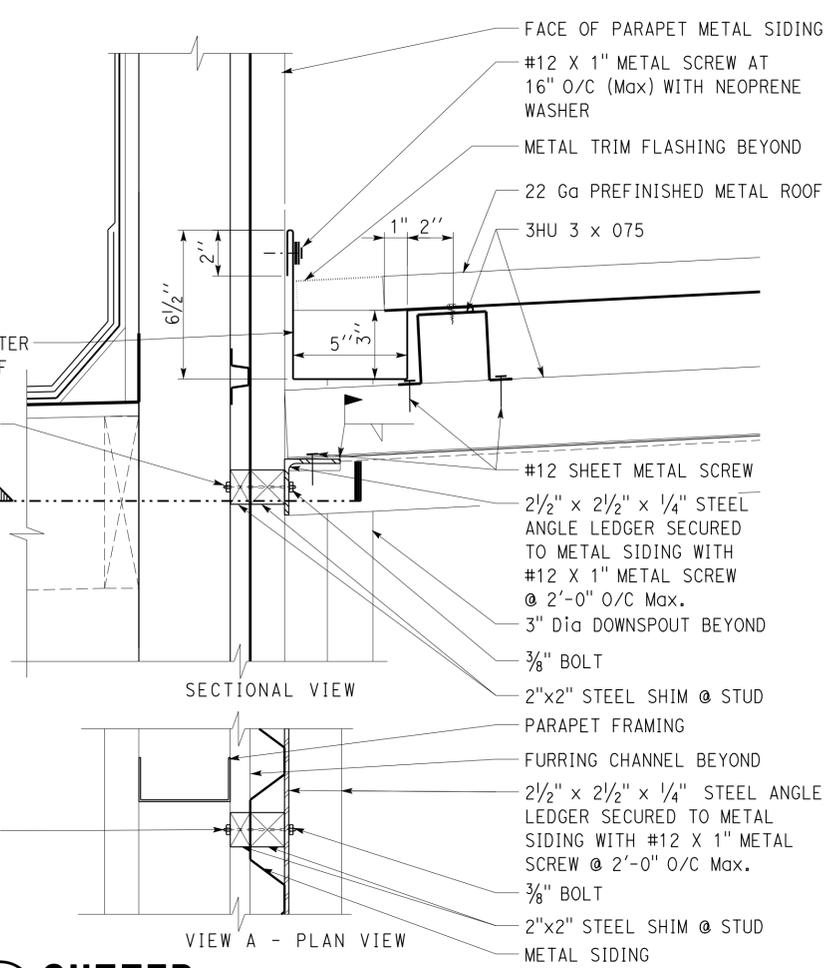
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	34	79

 LICENSED ARCHITECT		01-12-12 DATE
6-24-13 PLANS APPROVAL DATE		
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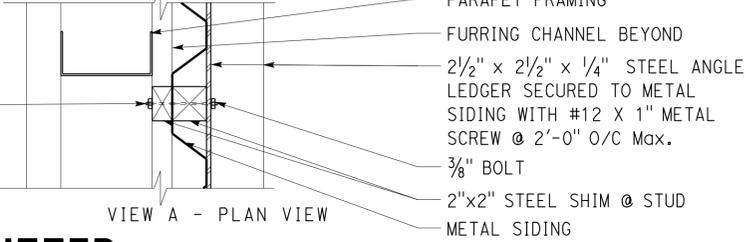
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 0700020197	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by:  Date: 12-20-11	Reviewed by:  Approval date: 10-16-12



6 CANOPY ROOF FRAMING PLAN
1/4" = 1'-0"

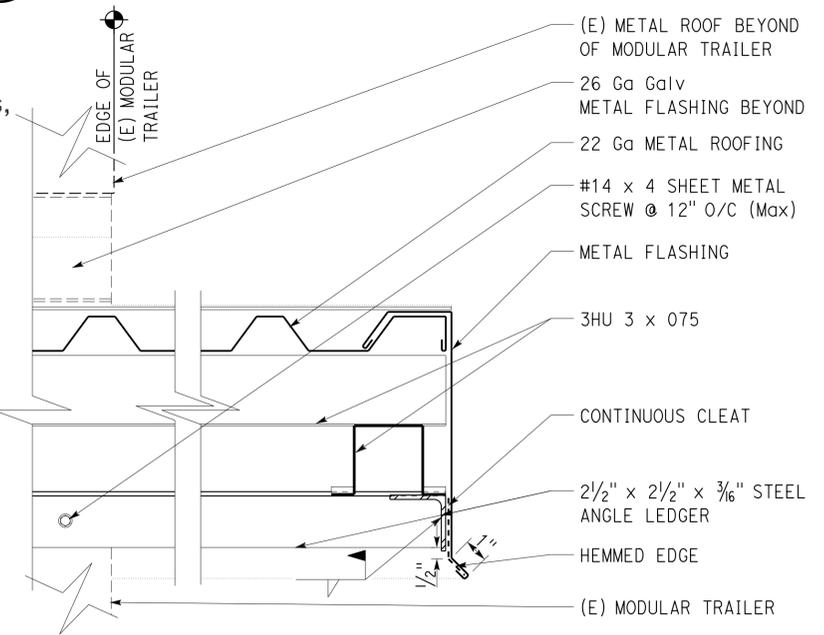


SECTIONAL VIEW

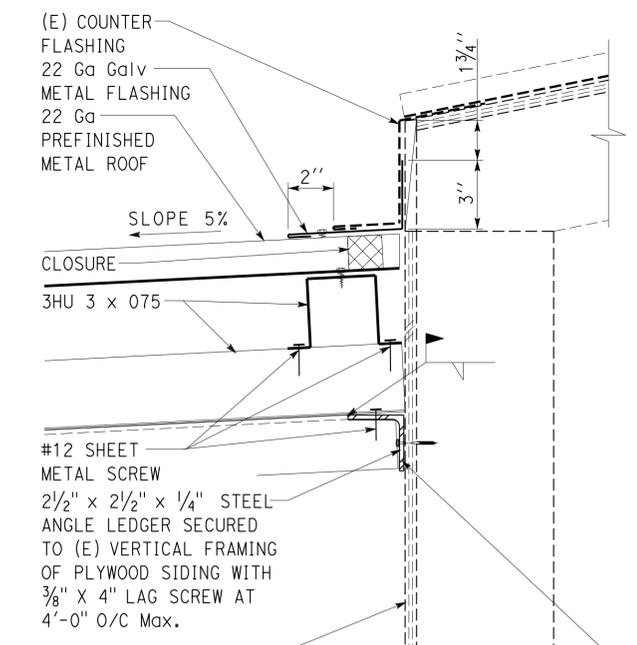


VIEW A - PLAN VIEW

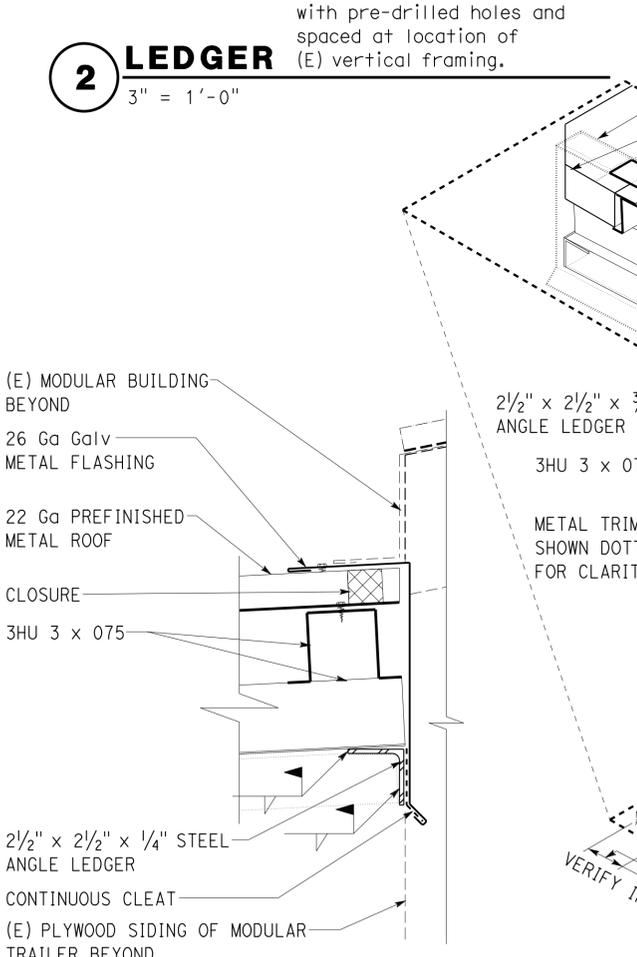
4 GUTTER
3" = 1'-0"



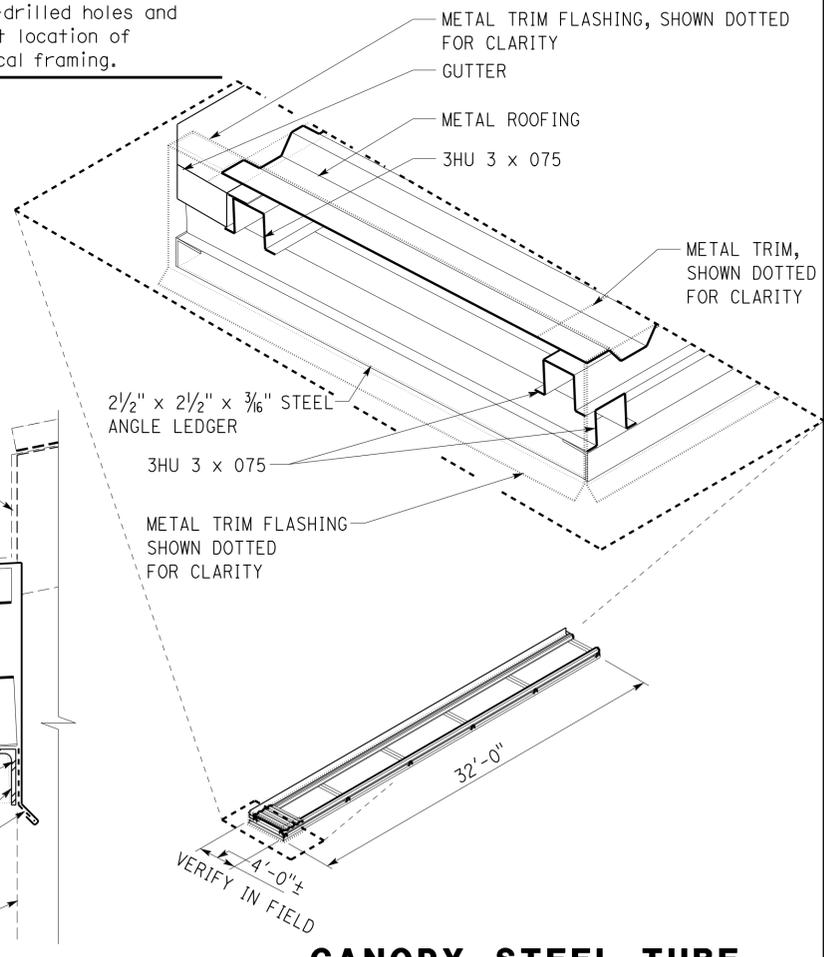
5 FLASHING
3" = 1'-0"



3 FLASHING
3" = 1'-0"



2 LEDGER
3" = 1'-0"



1 CANOPY STEEL TUBE FRAMING - ISOMETRIC
1/8" = 1'-0"

TOM MESICH STRUCTURAL REVIEW BY	DESIGN BY DANNY IGNACIO CHECKED QUINCY WONG	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W000IR POST MILE R54.4/R54.8	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS CANOPY DETAILS	SHEET A-15
	DETAILS BY DANNY IGNACIO CHECKED QUINCY WONG		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3598 07000201971 EA 278801		DISREGARD PRINTS BEARING EARLIER REVISION DATES

a_15_canopy_det.dgn
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	35	79

<i>Thomas F. Reich</i> REGISTERED CIVIL ENGINEER	01-12-12 DATE	
6-24-13 PLANS APPROVAL DATE		

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A GENERAL DESIGN NOTES

1. Criteria

Building Code:

2010 California Building Code as adopted by the California Building Standards Commission

Occupancy category: II

2. Materials

Building Miscellaneous Metal: (Allowable strength design)

Channels, angles, plates & misc. shapes $F_y = 36$ ksi
Hollow structural steel (HSS) $F_y = 46$ ksi
Weld electrodes $F_y = 70$ ksi

Cold formed steel: (Allowable strength design)

Thickness less than or equal to 43 mil $F_y = 33$ ksi
Thickness greater than 43 mil $F_y = 50$ ksi

3. Foundation

Design soil pressure: 1,500 psf

B DESIGN LOADS

1. Live

Roof = 20 psf

2. Seismic

Importance factor = 1.0

Site class = D

Mapped spectral response accelerations:

$S_s = 2.417$ $S_1 = 0.727$

Design spectral response coefficients:

$S_{DS} = 1.611$ $S_{D1} = 0.727$

Design Category = D

Analysis procedure: Equivalent lateral force

Seismic force-resisting system:

Bearing wall

$R = 3.50$

$C_s = 0.465$

3. Wind

Importance factor = 1.0

Basic wind speed = 85 mph (3 sec gust)

Exposure C

Analysis procedure: Simplified
 $q_h G C_f = 25$ psf

C GENERAL NOTES

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

DESIGN	BY	Tom Mesich	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS DESIGN CRITERIA AND DETAIL NOTES	SHEET ST-0					
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QUANTITIES	BY		CHECKED		UNIT	3599	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET	OF					
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24-JUN-2013 13:22

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	36	79

<i>Thomas Reich</i>	01-12-12	
REGISTERED CIVIL ENGINEER	DATE	

6-24-13
PLANS APPROVAL DATE

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A FRAMING NOTES

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

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

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

Simple spans	24F-V4 DF/DF
Cantilevers & Continuous	24F-V8 DF/DF
- Glue laminated members shall be engineered, stress rated and factory laminated with adhesive for wet use.
- Exposed members shall be "architectural appearance" grade and non-exposed members shall be "industrial appearance" grade.
- All wood in direct contact with concrete or masonry shall be pressure treated Douglas Fir-Larch.
- Joists framed into the side of wood girders shall be supported by joist hangers.
- Joists shall be supported laterally at the ends and at each support by solid blocking or other approved means except where the ends of joists are nailed to a header, band or rim joist or to an adjoining stud. Solid blocking shall not be less than 2x in thickness and the full depth of the joist.
- Joists and roof rafters 1'-0" or deeper shall have full depth 2x thick solid blocking at 8'-0" maximum spacing.
- Provide 2x blocking to secure fixtures shown on the project plans.
- Joists under and parallel to bearing walls shall be doubled.
- When there are multiple holes and notches in one structural element or when there are holes and notches occurring in more than two consecutive structural elements, the Engineers approval is required, unless the details are shown on plans.
- Notches or cuts in bearing or shear wall studs may be to a depth not exceeding 25% of its width. Wood studs in non-bearing and non-shear walls supporting only their weight may be notched or cut to a depth not greater than 40% (See note 16 above).

- Bored hole diameters shall not exceed 40% of the stud width in bearing walls and 60% in non-bearing walls. The top plates may not be bored or cut, without the Engineer's approval. Neither bearing nor shear wall top plates may be bored greater than 40%, unless detailed on the plans. Holes shall not be closer than 5/8" to the edge of the stud. (See note 16 above)
- When it is necessary to cut the sole plate, sill plate or wood stud for plumbing, heating or other pipes, a 1/16" thick x 1 1/2" wide galvanized metal stud shoe plate shall be fastened w/6-16d to the plate across the opening.
- Equivalent metal bridging or ties may be submitted to the Engineer for approval.

B MECHANICAL FASTENER NOTES

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

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

Place under Bolt Heads & Nuts bearing on Wood

- Fastener alternatives for non-bearing and non-shear walls: Two minimum per member and at 9" from ends.
 - 1/8" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
 - 1/4" Ø expansion anchorage device embedded 1 1/2" minimum at 2'-0" OC.
 - 1/2" Ø anchor bolt with 2 1/2" embedment @ 4'-0" OC.
- Equivalent mechanical fasteners may be submitted to the Engineer for approval.
 - Cooler nail, parker nail or wallboard nail with a flat or concave head and diamond point at all edges and intermediate supports (field nailing)

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

FILE NO. XS-25-5	DESIGN BY <i>Sean Samal</i>	CHECKED BY <i>John Gandy</i>	APPROVED BY <i>R.E. Travis</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS		SHEET ST-1A
DRAWING DATE 1-04	DETAILS BY <i>Peter J. von Savoy, II</i>	CHECKED BY <i>John Gandy</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE	WOOD FRAMING STANDARD - NOTES		
SUBMITTED BY <i>Sean Samal</i> , DESIGN ENGINEER							REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
DOES SD Imperial Rev. 9/02				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	CU EA		DISREGARD PRINTS BEARING EARLIER REVISION DATES → 1-16-04 11-14-05		

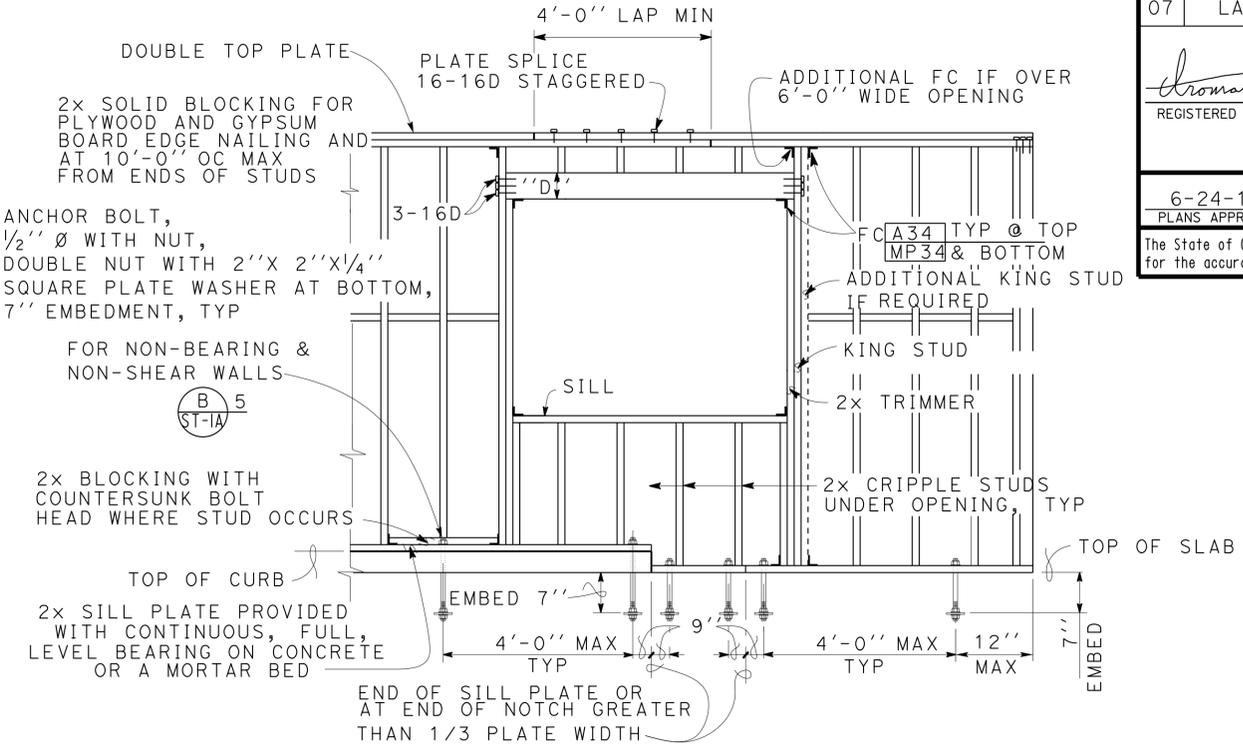
24-JUN-2013 13:22 st_01a.dgn

MINIMUM NAILING SCHEDULE

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

LOCATION	3/8" Plwd	1/2" - 1" Plwd
At supported edges (edge nailing) & over bearing (beams, girders, walls, etc.)	8d @ 6" OC	10d @ 6" OC
At intermediate supports (field nailing)	8d @ 6" OC	10d @ 1'-0" OC
Where bearing is 4'-0" or greater (field nailing)	—	10d @ 6" OC

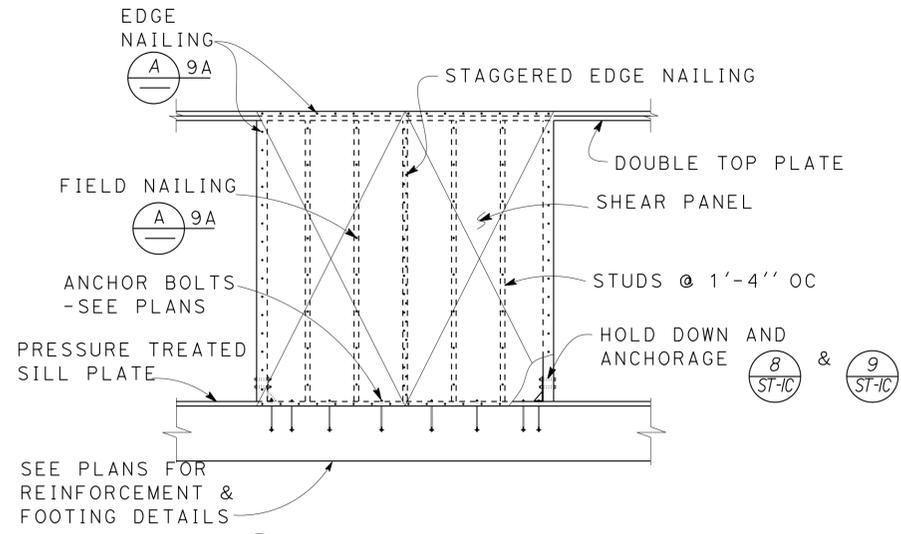
- Structural plywood edge nailing shall be staggered at supports, Detail 2, Sheet ST-1C; at double plates, Detail 3, Sheet ST-1C; and at double studs located at wall intersections and corners, Details 9A and 9B, Sheet ST-1C.
 - Decking and Underlayment: Use deformed shank nail (see Sheet ST-1C for nail size and spacing)
 - Panel siding to framing: Use zinc coated nail (see Sheet ST-1C for nail size and spacing)
10. Finish Plywood Nailing (non-structural):
- Finish plywood to framing where the thickness is 1/2" or less:
 - Finish nail at supported edges (edge nailing) 6d @ 6" OC
 - Finish nail at intermediate supports (field nailing) 6d @ 1'-0" OC
11. Gypsum Sheathing (Structural):
- Wall structural gypsum board sheathing to framing where the thickness 5/8" or less: 6d @ 4" OC



MAX WIDTH OF OPENING	MINIMUM HEADER DEPTH "D"		SILL	KING
	NON-BEARING WALLS	BEARING WALLS		
4'-0"	6"	4"	2X	2X
8'-0"	8"	6"	2-2X	2-2X
10'-0"	10"	8"	2-2X	2-2X
12'-0"	12"	10"	3-2X	2-2X

HEADER, MATCH STUD WIDTH

1 TYPICAL WALL AND OPENING FRAMING
No Scale



2 SHEAR WALL ELEVATION
No Scale

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

FILE NO. XS-25-5.I	DESIGN BY <i>Sean Seavel</i>	CHECKED <i>Joe Standa</i>	APPROVED <i>RE Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoy, III</i>	CHECKED <i>Joe Standa</i>	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Seavel</i>		DESIGN ENGINEER	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 53W0001R
POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
WOOD FRAMING STANDARD - DETAILS

SHEET **ST-1B**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

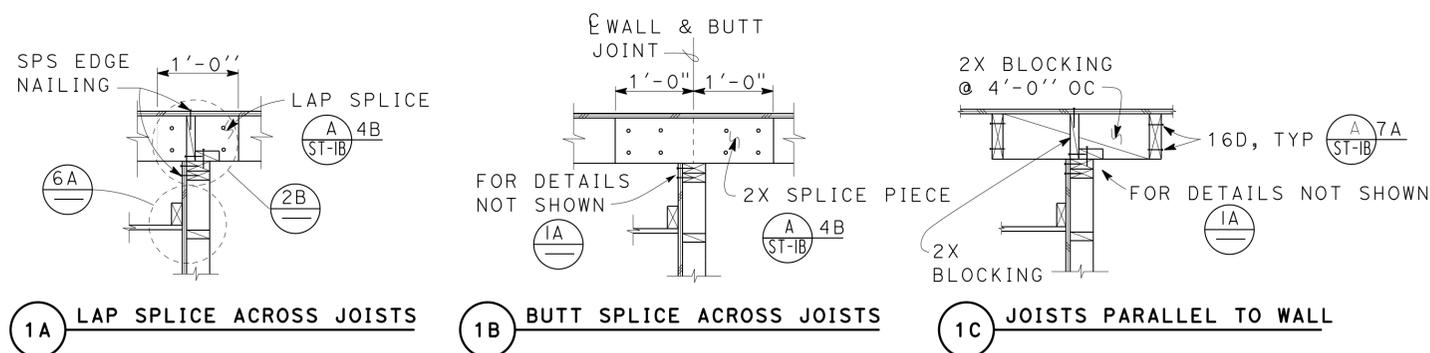
CU EA

DISREGARD PRINTS BEARING EARLIER REVISION DATES

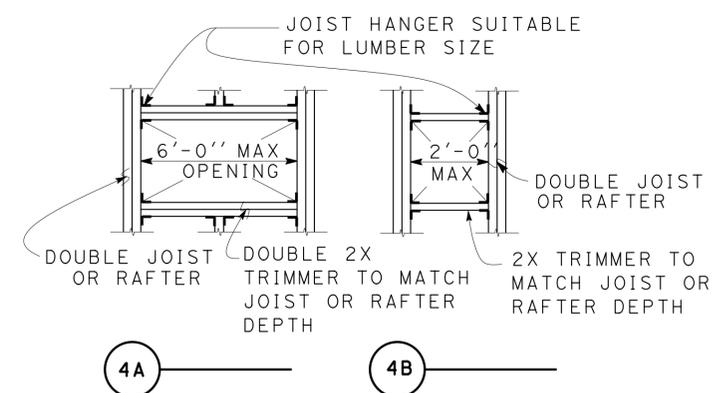
REVISION DATES (PRELIMINARY STAGE ONLY)

10-16-03	11-14-05	11-02-06	01-15-08
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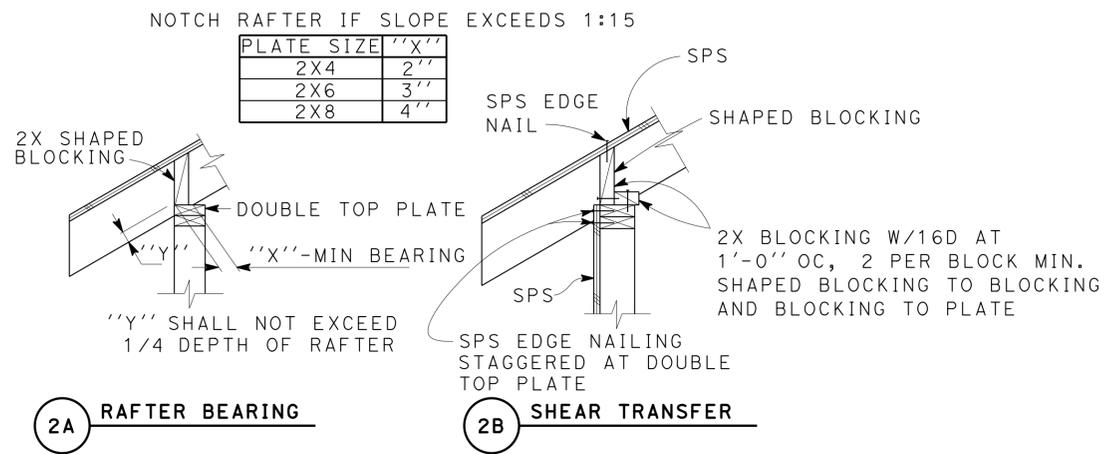
SHEET OF



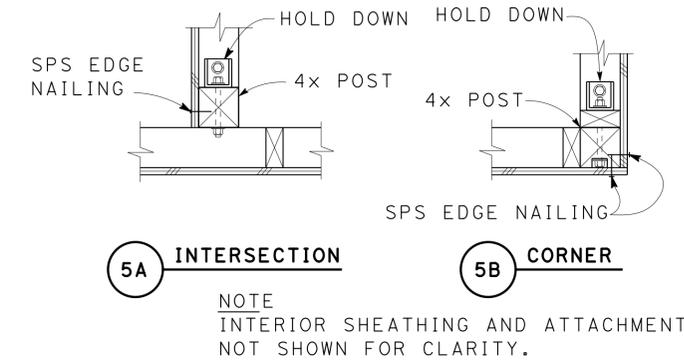
1 JOIST LAYOUT AT TOP OF BEARING AND SHEAR WALL
No Scale



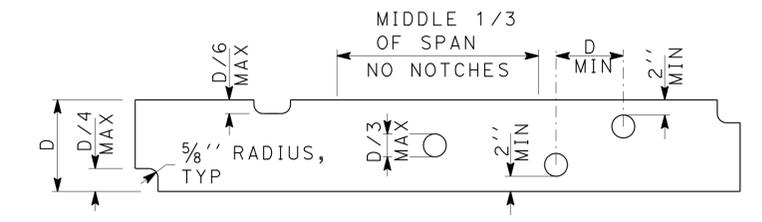
4 FRAMING AT OPENINGS
No Scale



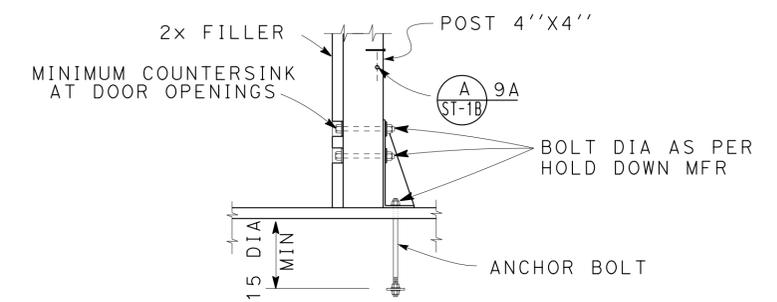
2 EXTERIOR WALL TOP PLATE DETAIL
No Scale



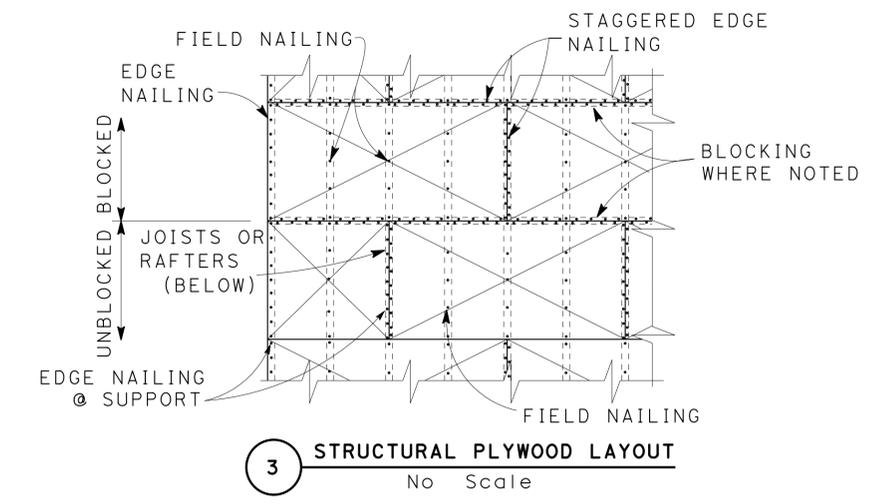
5 INTERIOR AND CORNER WALL FRAMING DETAILS
No Scale



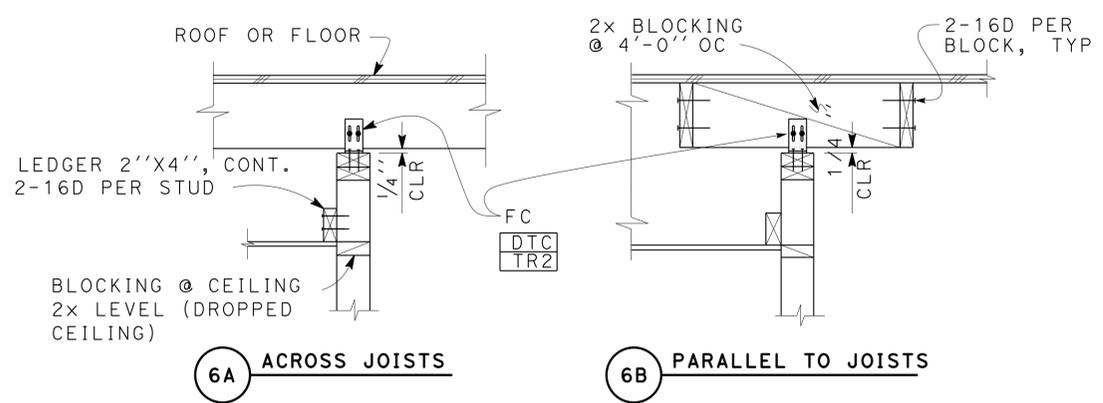
7 NOTCH LIMITS FOR JOISTS AND HEADERS
No Scale



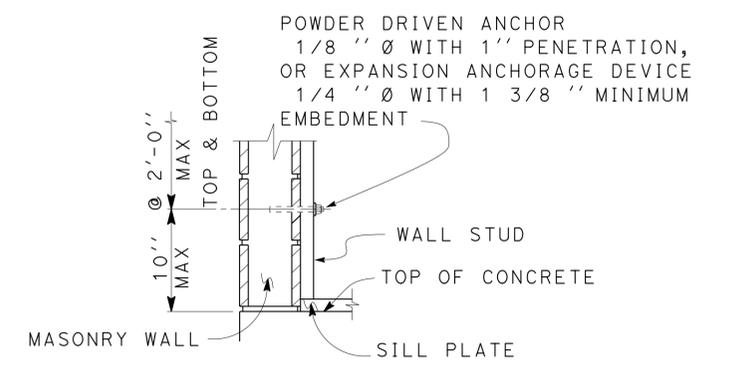
8 INTERIOR HOLD DOWN
No Scale



3 STRUCTURAL PLYWOOD LAYOUT
No Scale



6 NON-BEARING WALL TOP PLATE CONNECTION
No Scale



9 STUD ANCHORAGE TO MASONRY
No Scale

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

FILE NO. XS-25-5-I	DESIGN BY <i>Sean Searl</i>	CHECKED BY <i>Joe Searl</i>	APPROVED BY <i>R.E. Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoy</i>	CHECKED BY <i>Joe Searl</i>	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Searl</i>		DESIGN ENGINEER	

STATE OF CALIFORNIA	
DEPARTMENT OF TRANSPORTATION	

DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53W0001R
ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	
WOOD FRAMING STANDARD - DETAILS	
DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)

SHEET ST-1C
SHEET OF

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 CU EA

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	39	79

Thomas F. Reich 01-12-12
REGISTERED CIVIL ENGINEER DATE

Tom R. Mesich
No. 46748
Exp. 6-30-15
CIVIL
STATE OF CALIFORNIA

6-24-13
PLANS APPROVAL DATE

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ABBREVIATIONS

SYMBOLS

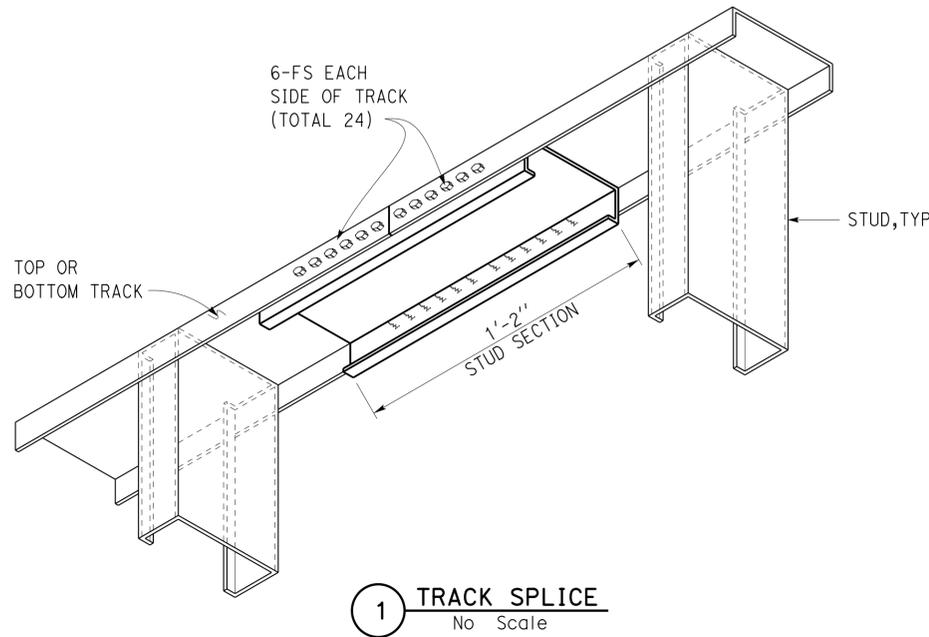
AAD	Adhesive anchorage device	HD	Holddown
AB	Anchor bolt	HEX	Hexagon
AC	Asphalt concrete	HORIZ	Horizontal
ALT	Alternate	HSB	High strength bolt
APA	American plywood association	HSS	Hollow structural section
APC	Alternative pipe culvert	JT	Joint
BLDG	Building	LOL	Layout line
BLKG	Blocking	LVL	Laminated veneer lumber
BN	Boundary nailing	M	Meter
BTM	Bottom	MAX	Maximum
CB	Carriage bolt	MEA	Mechanical expansion anchor
CIDH	Cast in drilled hole	MECH	Mechanical
CJ	Control joint	MFR	Manufacturer
CLR	Clear	MM	Millimeter
CMU	Concrete masonry unit	MIN	Minimum
CONC	Concrete	MIW	Malleable iron washer
CONST	Construction	OC	On center
CONT	Continuous	OG	Original grade
CP	Complete penetration weld	OH	Opposite hand
DBL	Double	OPT	Optional
DF	Douglas fir	P	Pitch
DIA	Diameter	PDF	Powder driven fastener
DIP	Ductile iron pipe	PLWD	Plywood
DN	Diameter nominal	PT	Pressure treated
DO	Ditto	PW	Puddle weld
(E)	Existing	PWB	Prefabricated wood I beam
EA	Each	RCP	Reinforced concrete pipe
EL	Elevation	REIF	Reinforced, Reinforcing
ELEC	Electrical	REQ'D	Required
EMBED	Embedment	SCL	Structural composite lumber
EN	Edge nail	SDSTS	Self drill, Self tap screw
EQ	Equal	SIM	Similar
EXP	Expansion	SPS	Structural plywood sheathing
FDGM	Free draining granular material	SQ	Square
FG	Finish grade	STAGG	Staggered
FL	Flow line	STD	Standard
FLR	Floor	SW	Stud weld
FN	Face (field) nail	SYM	Symmetrical
FOC	Face of concrete	T&G	Tongue-and-groove
FOM	Face of masonry	TN	Toe nail
FOS	Face of stud	TS	Tube steel
FS	#10 Framing screw	TYP	Typical
FTG	Footing	UON	Unless otherwise noted
GA	Gage	VERT	Vertical
GALV	Galvanized		
GLM	Glue laminated member		
GYP BD	Gypsum board		

	Blocking in section or elevation		CMU wall on plan views
	Continuous member in section		Dropped slab on plan views
	End of member		Reinforced concrete
	Bearing wall		Sand
	Shear wall		Structural backfill
	Length		Structural excavation
	Shearwall schedule symbol		Original ground
	Reference		Limits of structural backfill (shown on plan view)
	Glue laminated member section		Free draining granular material
	North arrow		Bottom of footing
	Partial section cut		Elevation or Working point
	Full section cut		Existing features
	Revision callout		HOLDOWN, TYP (Manufacturers are those noted in the order shown.)
	Grid line indicator		Frame connector (Manufacturers are those noted in the order shown.)
	Center line		Detail number or Note number
	Station line		Additional reference (if required)
	Steel plate		Sheet number
	Diameter		
	Square		

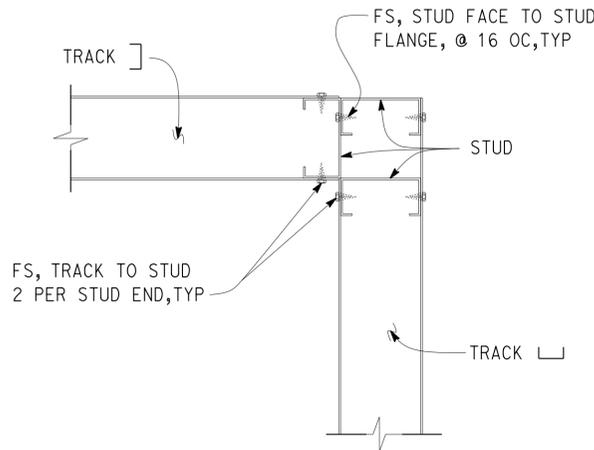
DESIGN	BY	Tom Mesich	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS LEGEND	SHEET ST-2	
	DETAILS	BY	P. von Savoye	CHECKED			Tom Mesich	POST MILE			54.4/R54.8
	QUANTITIES	BY		CHECKED							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0 1 2 3	UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
TAEMWW Imperial Rev. 7/10					0	PROJECT NUMBER & PHASE	07000201971	EA 278801	06-01-11 07-25-12 08-17-12		

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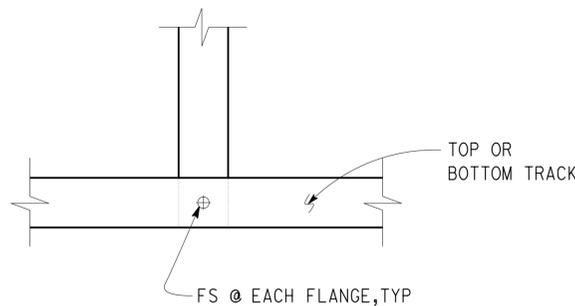
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	40	79
 REGISTERED CIVIL ENGINEER			01-12-12 DATE		
6-24-13 PLANS APPROVAL DATE					
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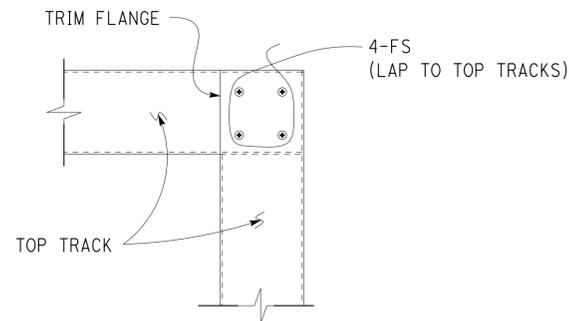
1 TRACK SPLICE
No Scale



3 WALL CORNER PLAN
No Scale



2 BOTTOM/TOP TRACK DETAIL
No Scale



4 LAP TOP TRACK CORNER PLAN
No Scale

A COLD FORM STEEL FRAMING NOTES

1. Framing Screws shall be #10 Wafer Head Self Drilling, Self-Tapping.
2. All Fasteners, including ICC report, shall be submitted to the Engineer for approval.
3. All Sections shall be unpunched.
4. All Framing Members shall conform to the AISI Standard for Cold-Formed Steel Framing - General Provisions
5. Penetration of screws through joined Materials shall not be less than 3 exposed Threads.
6. All Sections shall be considered load bearing and have 54 mil Minimum Thickness.
7. Mechanical Expansion Anchors Shall be 1/2" Ø and have 4" minimum Embedment. MEA shall be placed 6" from end of Track and 12" from end of CMU Wall. The Minimum Allowable Tension Force shall be 750 lb.

B WALL PANEL NOTES

1. Screws shall be #8 Modified Truss reamer point with 5/16" min Head Dia Maximum.
2. Wall SPS shall be 19/32" APA Rated Sheathing, Exposure 1, with 32/16 Minimum Span Rating.
3. SPS Panel Screws Shall be Spaced at 6" Panel Edges and 12" at Intermediate Supports.
4. All Fasteners shall be submitted to the Engineer for approval.

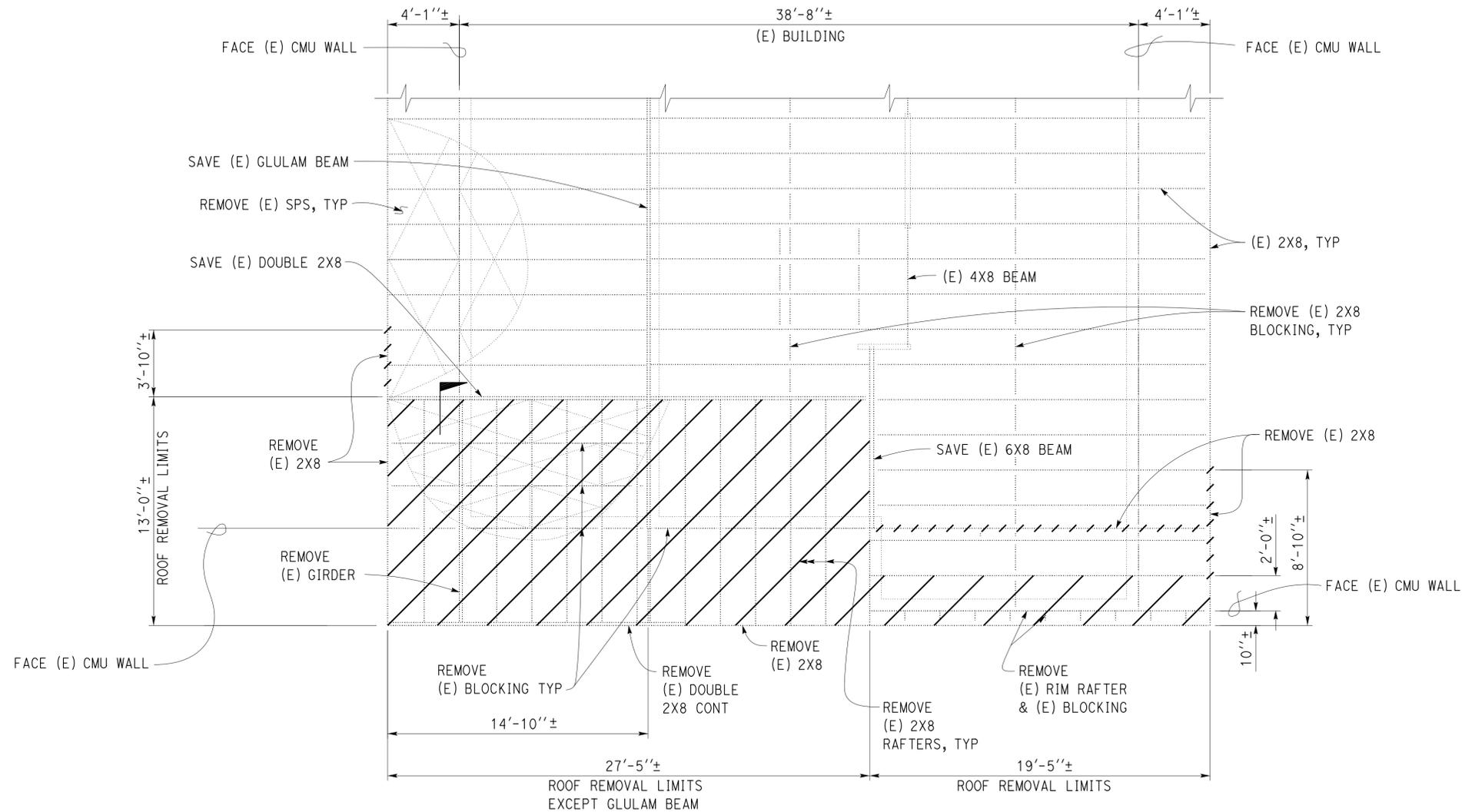
DESIGN	BY	Tom Mesich	CHECKED	Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS COLD FORMED STEEL DETAILS	SHEET ST-3
	DETAILS	BY	P. von Savoye	CHECKED			Tom Mesich	POST MILE		
QUANTITIES	BY		CHECKED		UNIT	3599	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	08-15-11 07-30-12 08-10-12	
TAEMWW Imperial Rev. 7/10					PROJECT NUMBER & PHASE		07000201971	EA 278801		P:\dist_07\0700020197_castaic.tif\expedite\revised_expedit_e_ast_03.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	41	79

Thomas Reich
 REGISTERED CIVIL ENGINEER
 DATE 01-12-12

6-24-13
 PLANS APPROVAL DATE

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- Denotes Limits of Removal

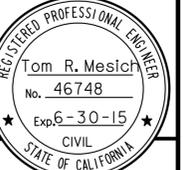
1 EXISTING ROOF FRAMING PLAN
 Scale 1/4" = 1' - 0"

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

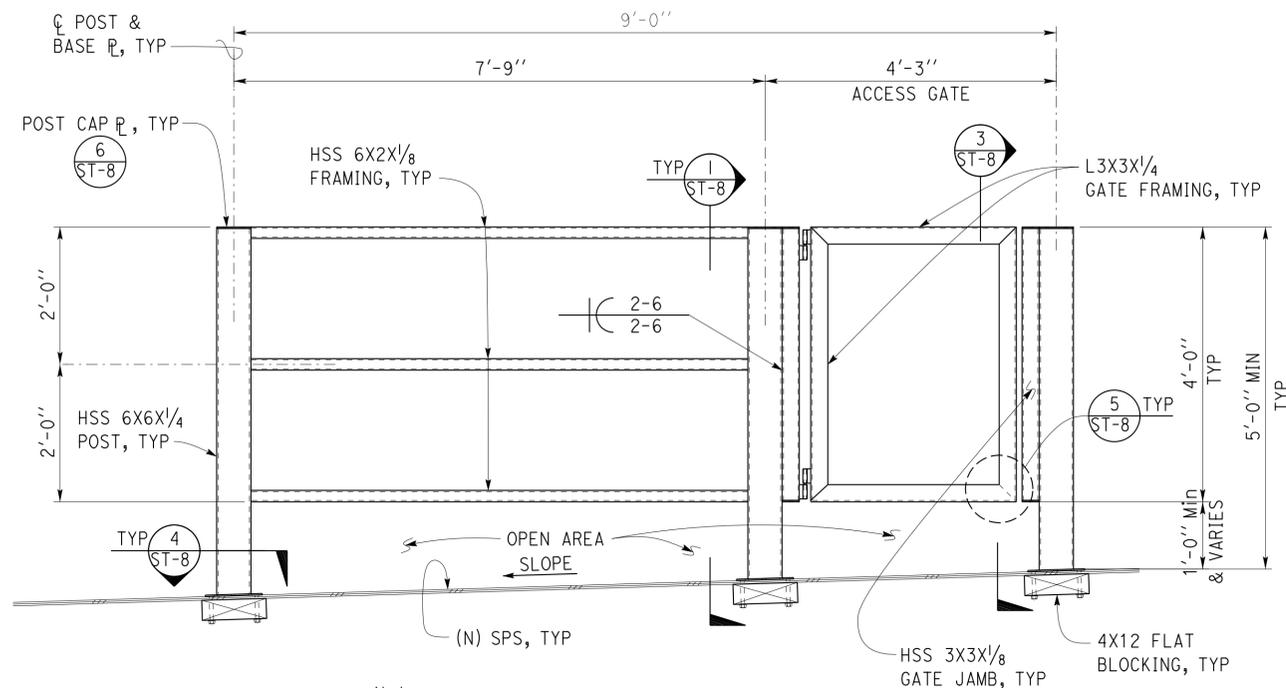
DESIGN BY Tom Mesich	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET ST-4
				POST MILE 54.4/R54.8		
DETAILS BY P. von Savoye	CHECKED Tom Mesich	UNIT 3599	PROJECT NUMBER & PHASE 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	08-15-11 09-23-11 07-31-12 08-10-12		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	44	79

Thomas Reich
 REGISTERED CIVIL ENGINEER
 DATE 01-12-12

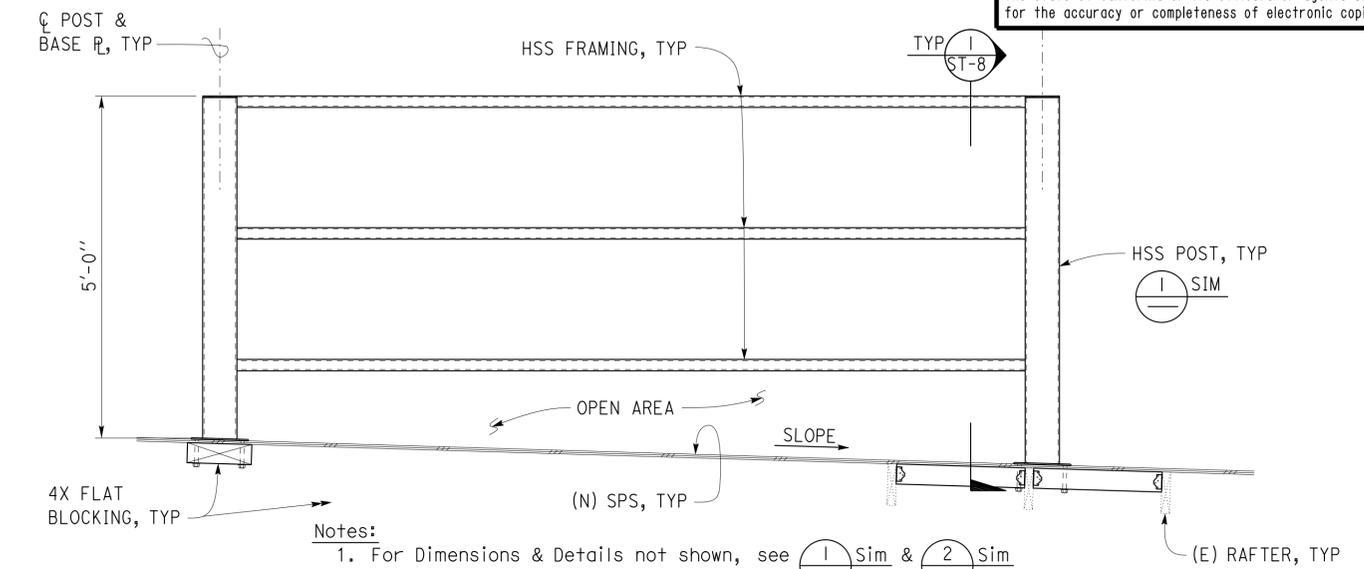


6-24-13
 PLANS APPROVAL DATE
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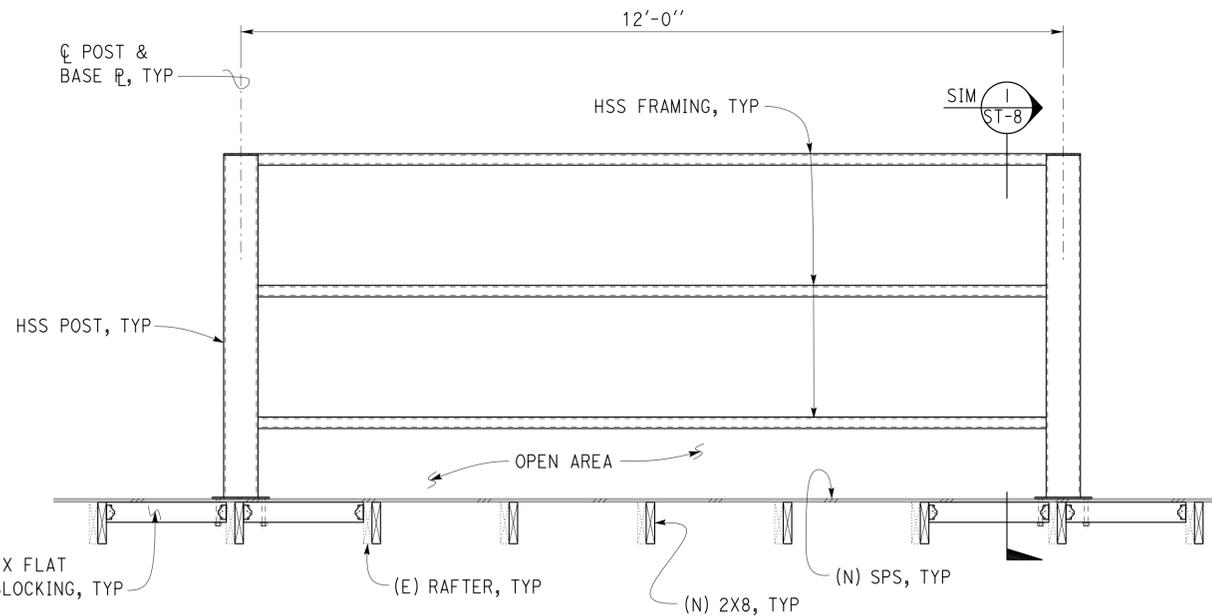
Note: Metal Siding not shown for clarity, see Architectural Plans.

1 UNIT ENCLOSURE ELEVATION
Scale 3/4" = 1' - 0"



Notes:
 1. For Dimensions & Details not shown, see (1) Sim & (2) Sim
 2. Not all Rafters are shown for clarity.

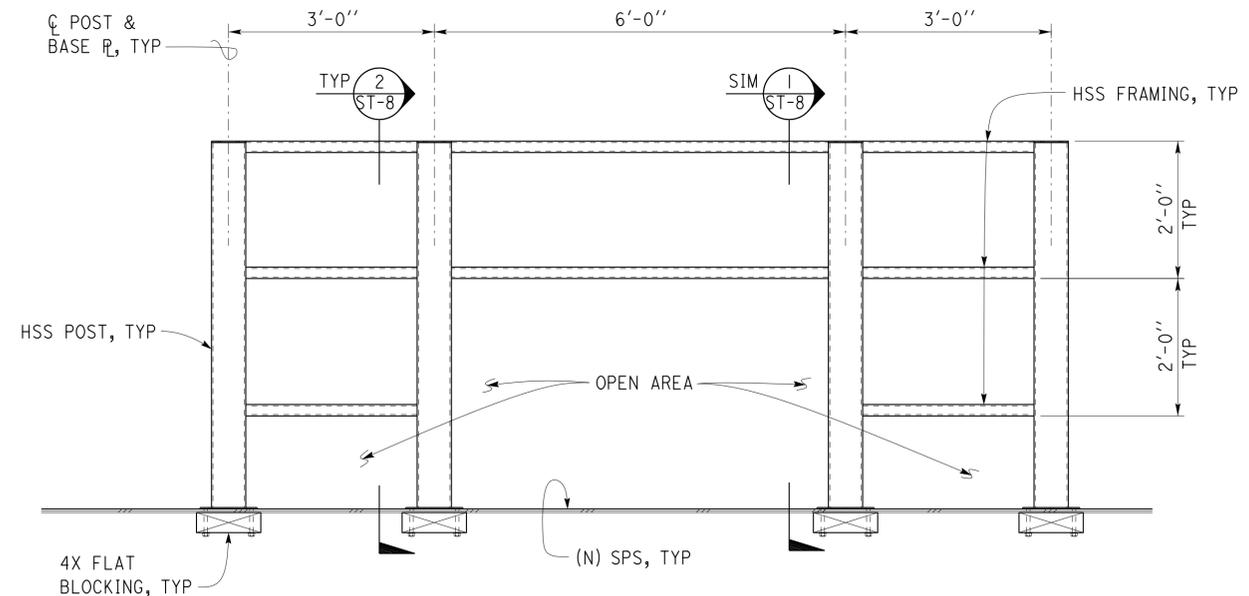
3 UNIT ENCLOSURE ELEVATION
Scale 3/4" = 1' - 0"



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

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

2 UNIT ENCLOSURE ELEVATION
Scale 3/4" = 1' - 0"



Note: For Dimensions & Details not shown, see (1) Sim & (2) Sim

4 UNIT ENCLOSURE ELEVATION
Scale 3/4" = 1' - 0"

DESIGN	BY Tom Mesich	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Tom Mesich
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

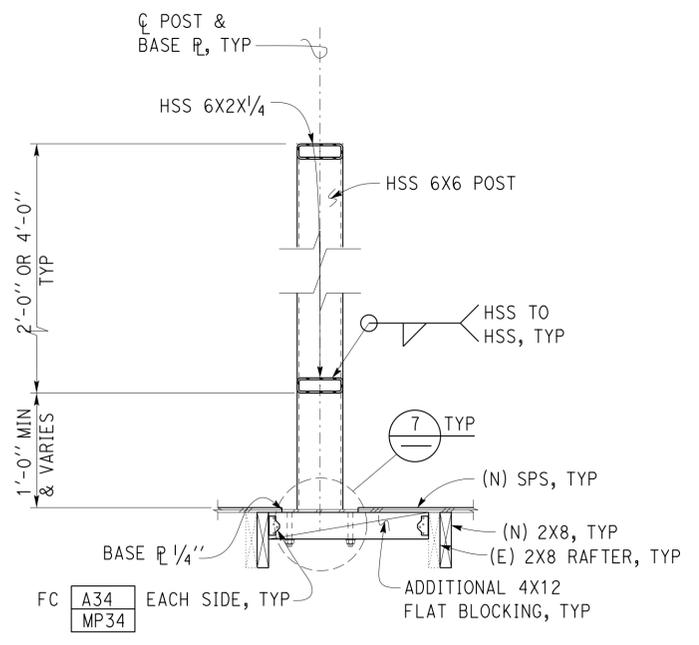
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	53W0001R
POST MILE	54.4/R54.8

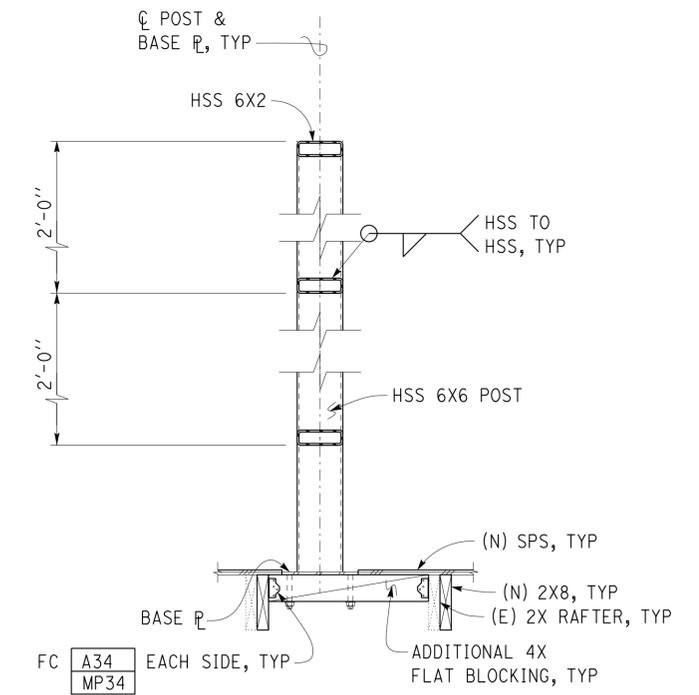
CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
UNIT ENCLOSURE ELEVATIONS

SHEET **ST-7**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	45	79
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER			01-12-12 DATE	REGISTERED PROFESSIONAL ENGINEER Tom R. Mesich No. 46748 Exp. 6-30-15 CIVIL STATE OF CALIFORNIA	
6-24-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					

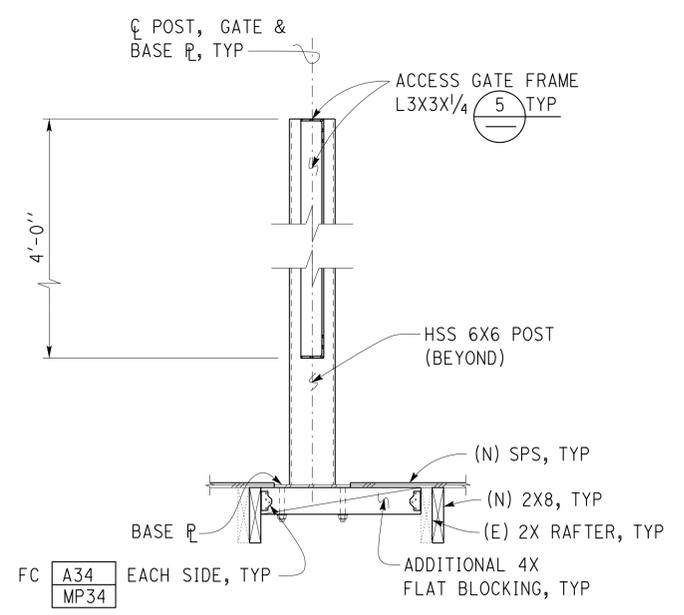


1 UNIT ENCLOSURE SECTION
Scale 1" = 1' - 0"

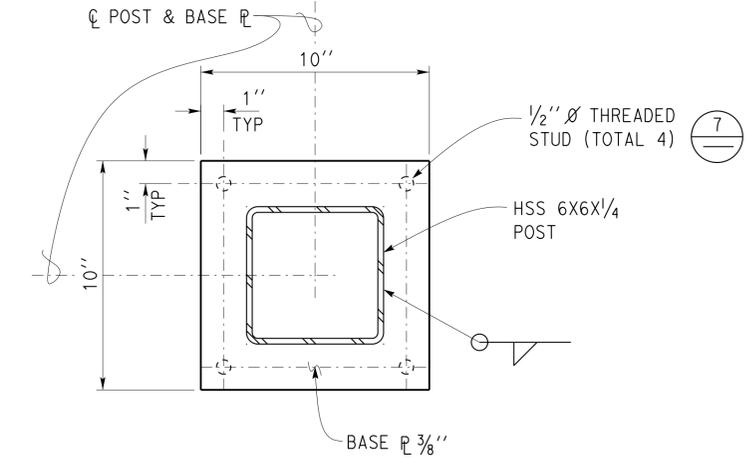


2 UNIT ENCLOSURE SECTION
Scale 1" = 1' - 0"

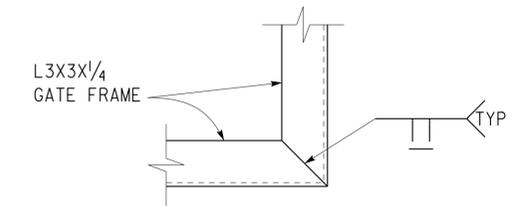
Note
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.



3 UNIT ENCLOSURE ACCESS GATE SECTION
Scale 1" = 1' - 0"

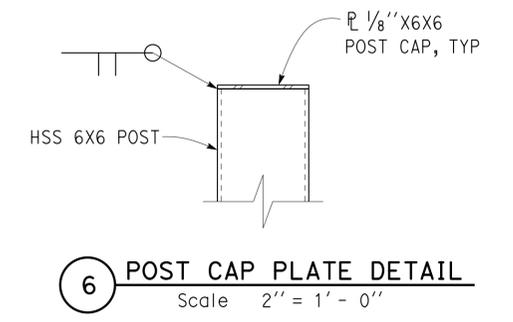


4 POST TO BASE PLATE DETAILS
Scale 3" = 1' - 0"

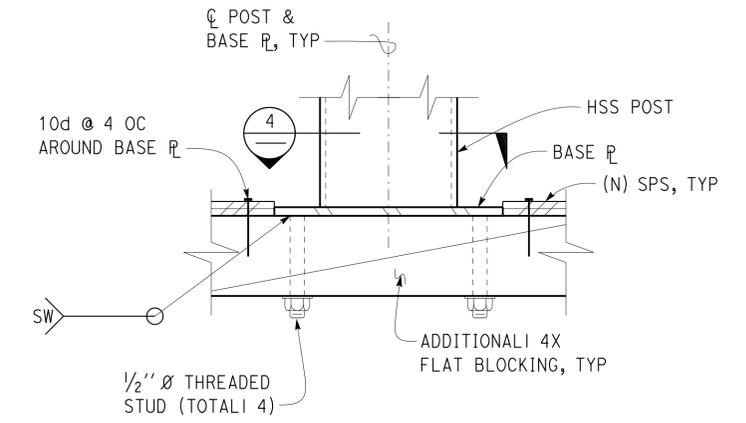


5 ACCESS GATE FRAMING DETAIL
Scale 2" = 1' - 0"

Note
Metal Siding not shown for clarity.



6 POST CAP PLATE DETAIL
Scale 2" = 1' - 0"



7 BASE PLATE TO BLOCKING DETAIL
Scale 3" = 1' - 0"

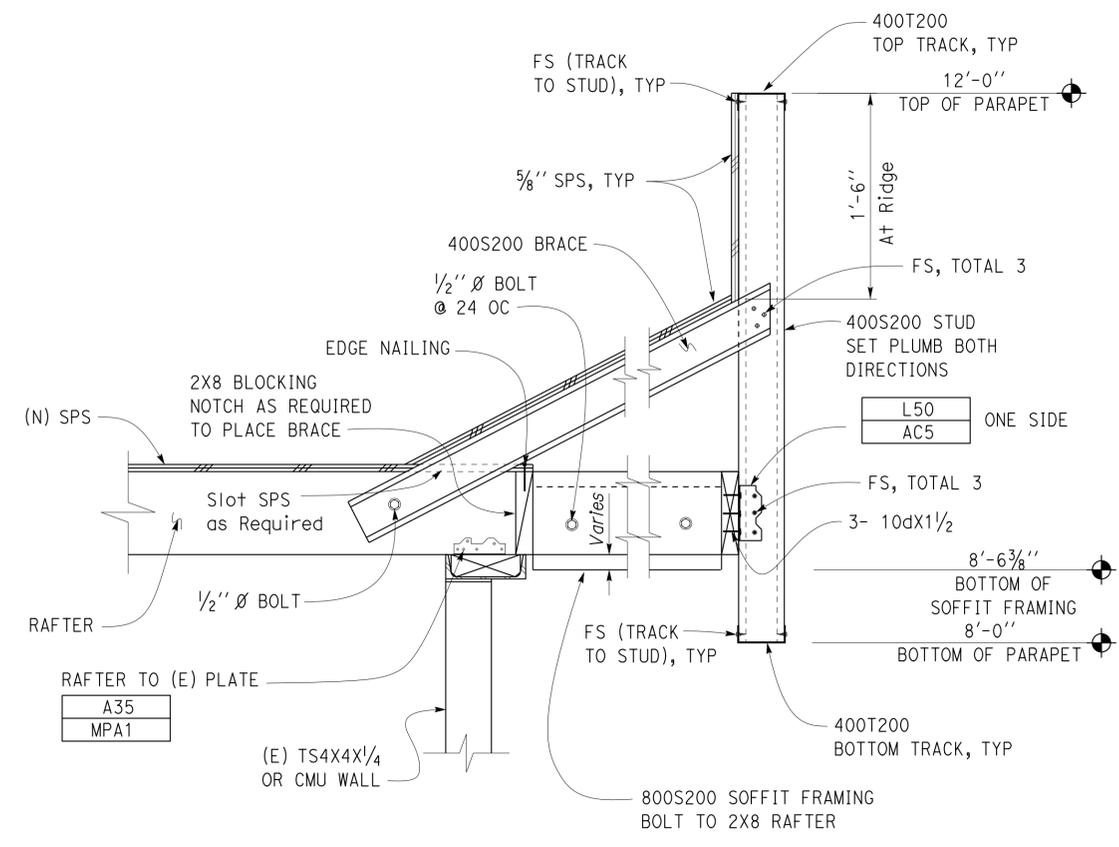
DESIGN BY Tom Mesich	CHECKED BY Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS UNIT ENCLOSURE DETAILS	SHEET ST-8
DETAILS BY P. von Savoye	CHECKED BY Tom Mesich		PROJECT MILE 54.4/R54.8	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY	CHECKED		UNIT PROJECT NUMBER & PHASE 3599 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES		08-16-11 08-01-12
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	EA 278801	P:\dist_07\0700020197_castaic.tif\expedite\revised_expedit_08.dgn		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	46	79

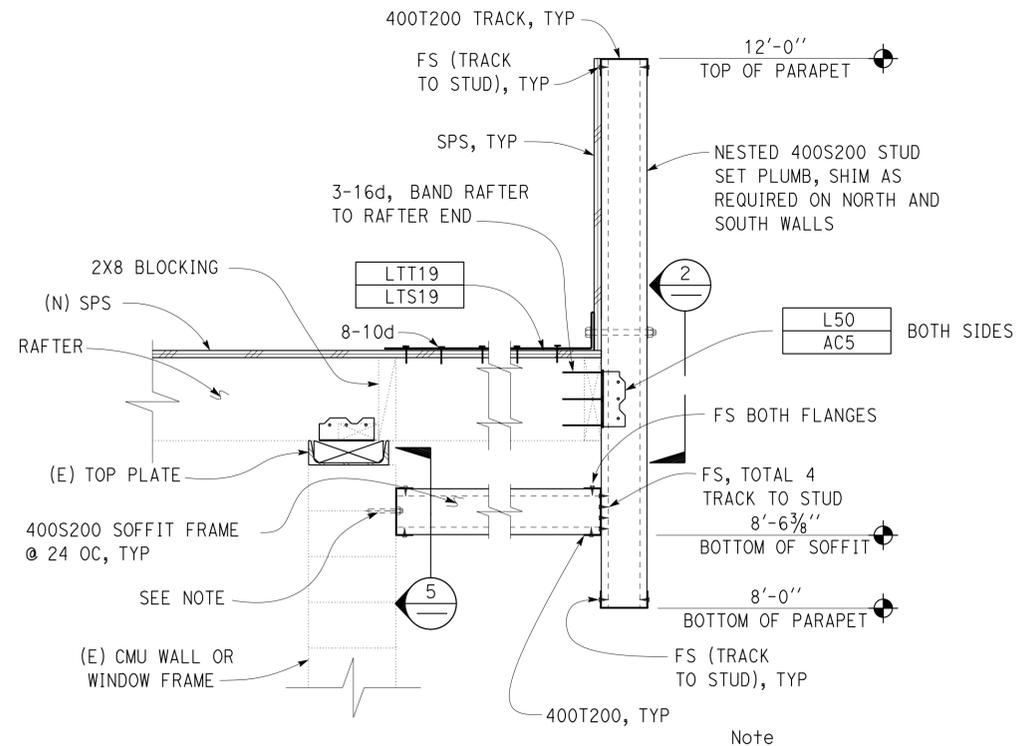
<i>Thomas Reich</i> REGISTERED CIVIL ENGINEER	01-12-12 DATE
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6-24-13 PLANS APPROVAL DATE

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

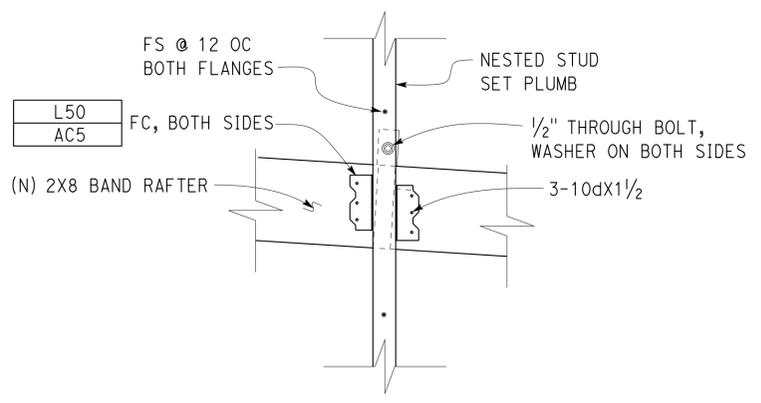


1 CRICKET FRAMING
Scale 1 1/2" = 1' - 0"

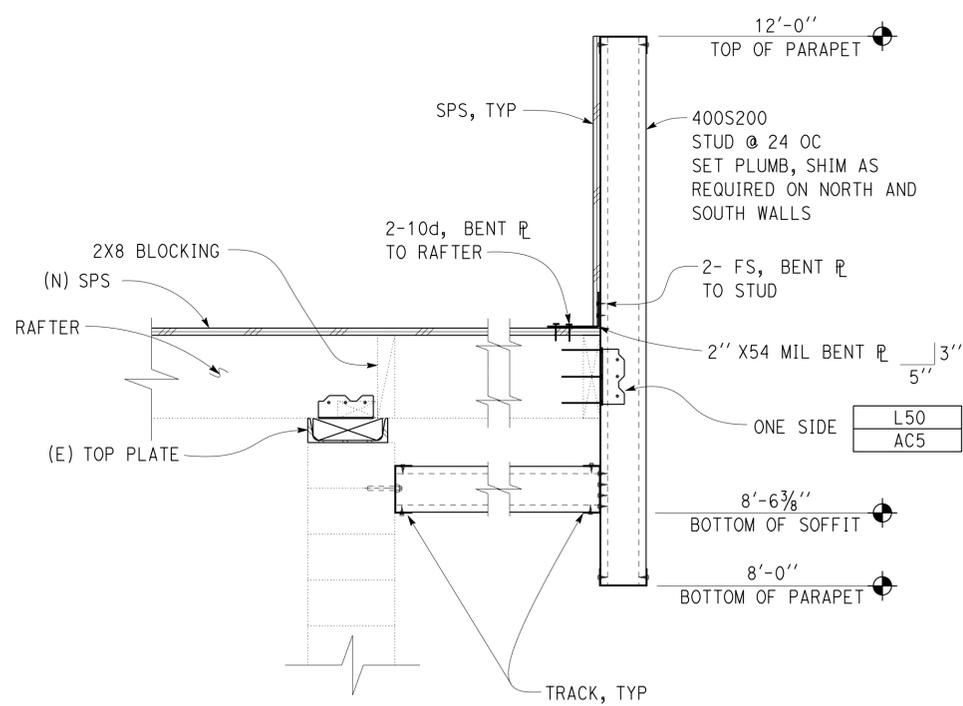


3 TYPICAL PARAPET ANCHOR FRAME
Scale 1 1/2" = 1' - 0"

Note
Attach Track @ 4'-0" OC Midway Between Soffit Framing with MEA at Masonry Wall or 1/2" x 3" Lag Screw at Window Head.

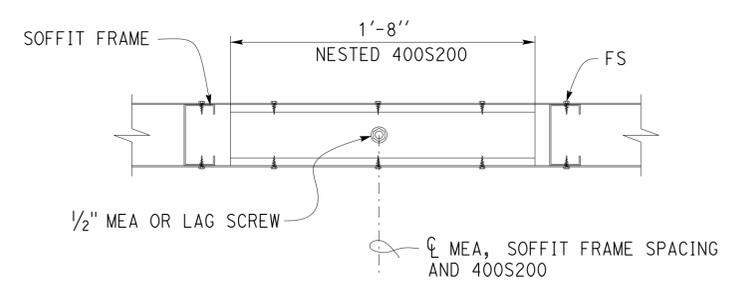


2 PARAPET ANCHOR STUD
Scale 1 1/2" = 1' - 0"



4 TYPICAL PARAPET FRAME
Scale 1 1/2" = 1' - 0"

Note
For Details & Dimensions not shown, see (3) Sim.



5 ATTACHMENT AT CMU WALL
Scale 2" = 1' - 0"

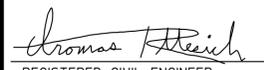
Note
The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

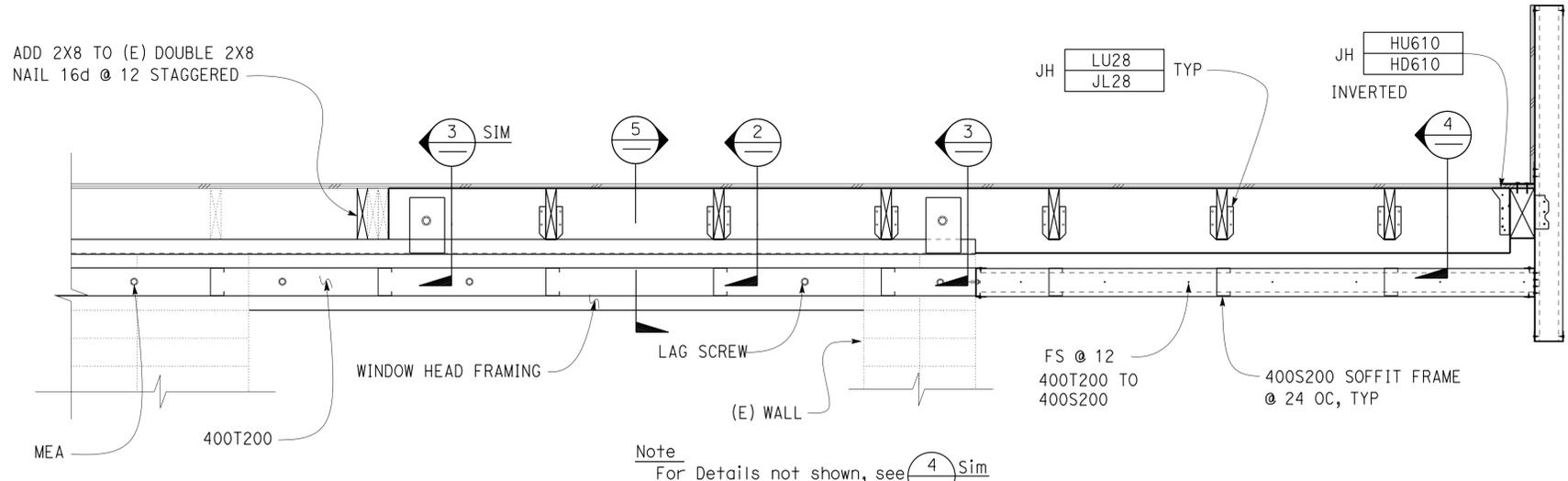
DESIGN BY Tom Mesich	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS PARAPET FRAMING DETAILS	SHEET ST-9
DETAILS BY P. von Savoye	CHECKED Tom Mesich		POST MILE 54.4/R54.8	REVISION DATES (PRELIMINARY STAGE ONLY)		OF
QUANTITIES BY	CHECKED		PROJECT NUMBER & PHASE 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES		08-16-11 09-26-11 08-02-12 08-10-12

UNIT 3599
EA 278801

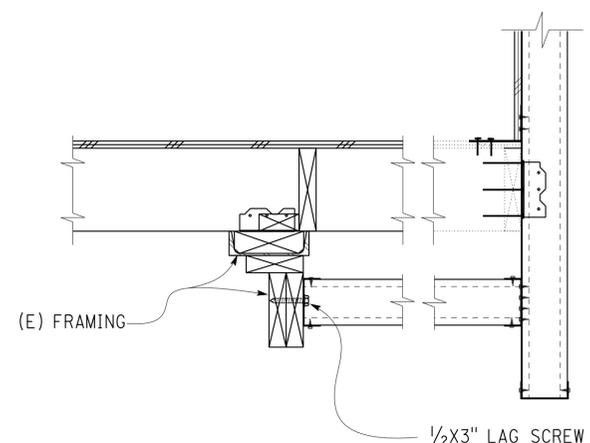
TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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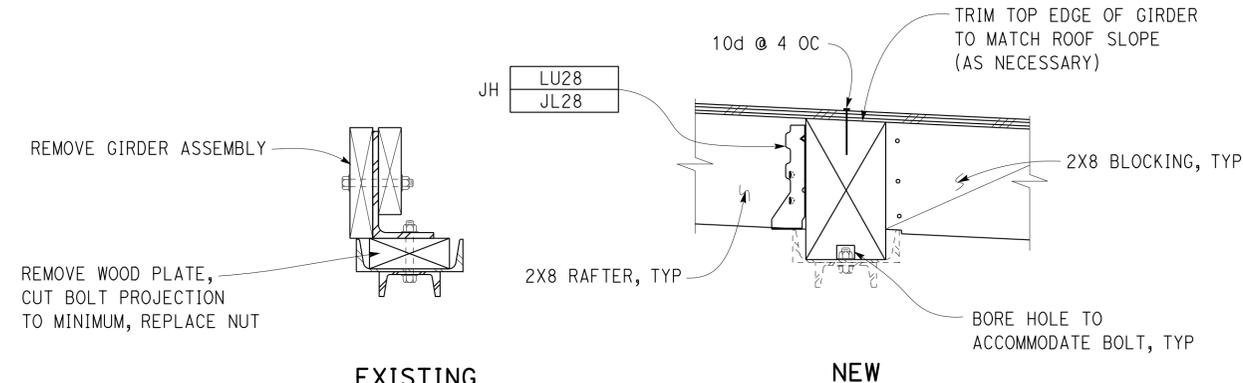
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	47	79
 REGISTERED CIVIL ENGINEER			01-12-12	DATE	
6-24-13 PLANS APPROVAL DATE					
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.					



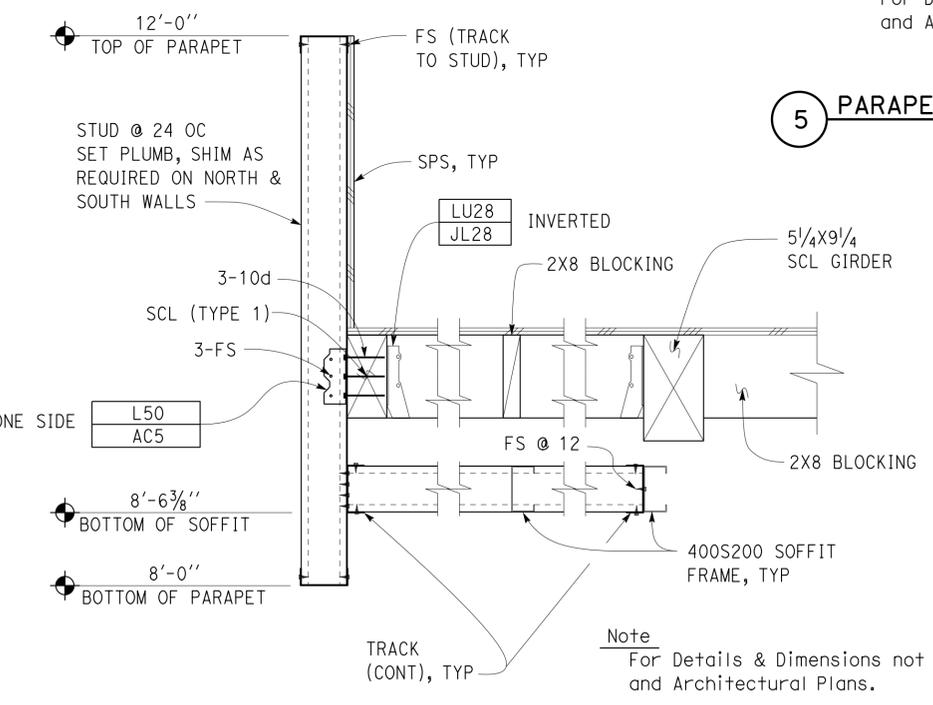
1 SECTION AT GIRDER
Scale 1" = 1' - 0"



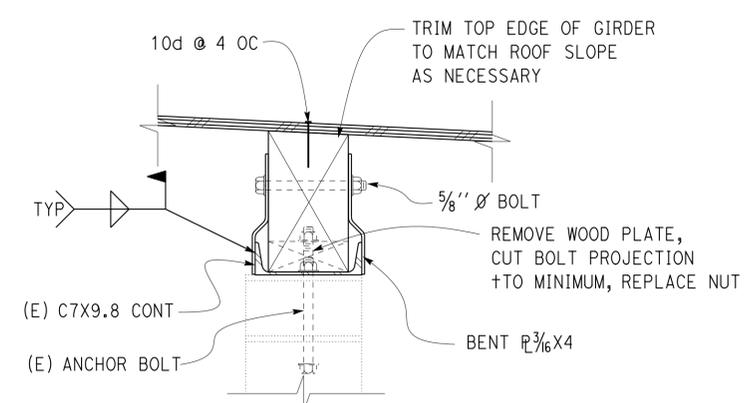
5 PARAPET FRAME AT WINDOW HEAD
Scale 1 1/2" = 1' - 0"



2 SECTION AT LINTEL
Scale 2" = 1' - 0"



4 PARAPET FRAMING DETAIL
Scale 1 1/2" = 1' - 0"



3 SECTION AT CONNECTOR
Scale 2" = 1' - 0"

DESIGN	BY Tom Mesich	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET ST-10
	DETAILS	BY P. von Savoye			CHECKED Tom Mesich		
QUANTITIES	BY	CHECKED	UNIT 3599	PROJECT NUMBER & PHASE 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	EA 278801	08-16-11 09-26-11 08-08-12 08-10-12		

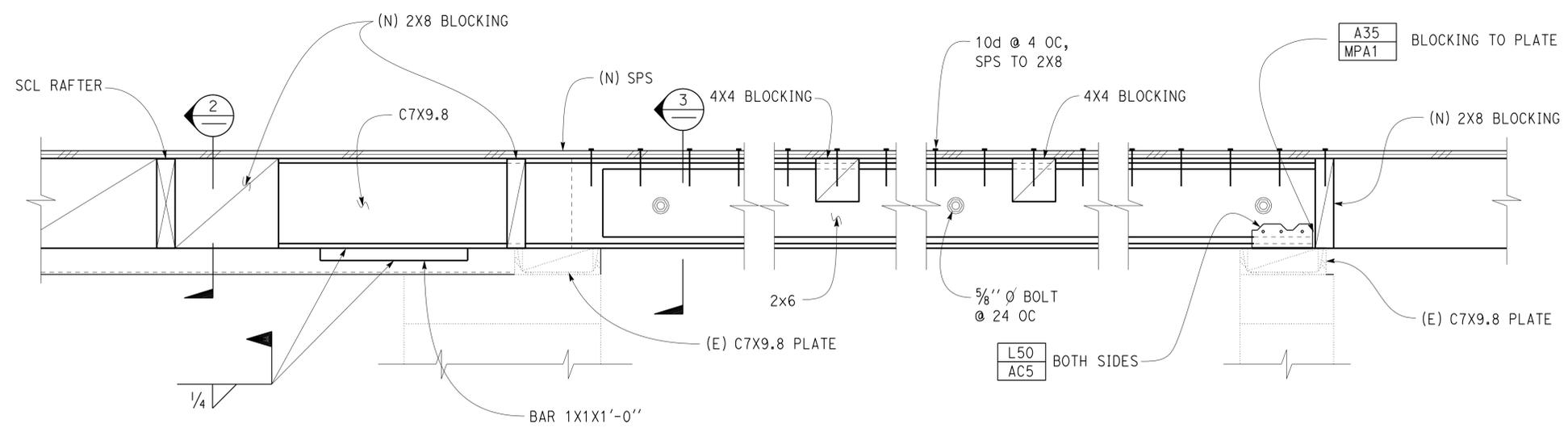
24-JUN-2013 13:51

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	48	79

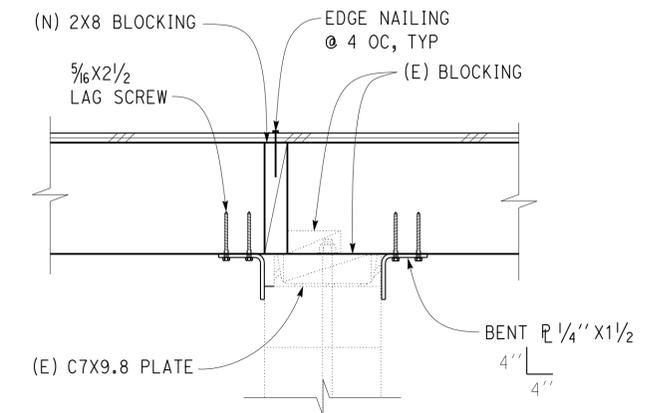
<i>Thomas Reich</i>		01-12-12
REGISTERED CIVIL ENGINEER	DATE	

6-24-13	
PLANS APPROVAL DATE	

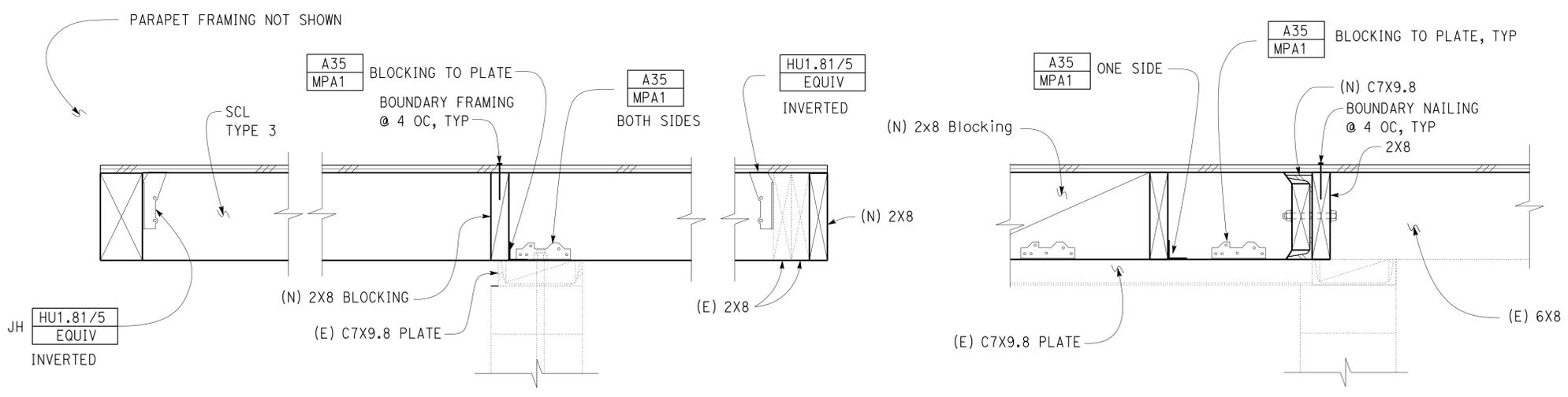
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



1 DRAG STRUT
Scale 2" = 1' - 0"

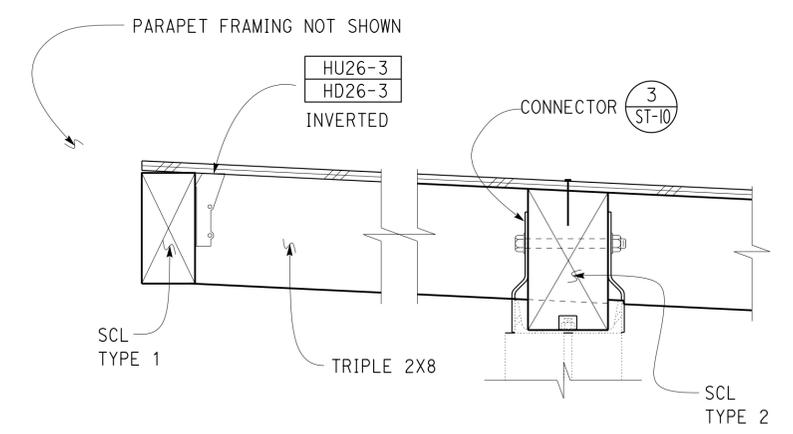


4 SECTION AT N & S WALLS
Scale 1" = 1' - 0"



2 ROOF TO WALL CONNECTION
Scale 1" = 1' - 0"

3 SECTION AT DRAG STRUT
Scale 1" = 1' - 0"



5 SECTION AT NORTH WALL
Scale 2" = 1' - 0"

DESIGN BY Tom Mesich	CHECKED Robert Du Plaine	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET ST-11
				POST MILE 54.4/R54.8		
DETAILS BY P. von Savoye	CHECKED Tom Mesich	UNIT 3599	PROJECT NUMBER & PHASE 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	08-16-11 08-09-12		

TAEMWW Imperial Rev. 7/10

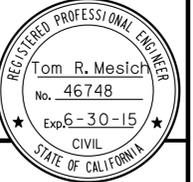
EA 278801

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24-JUN-2013 13:51

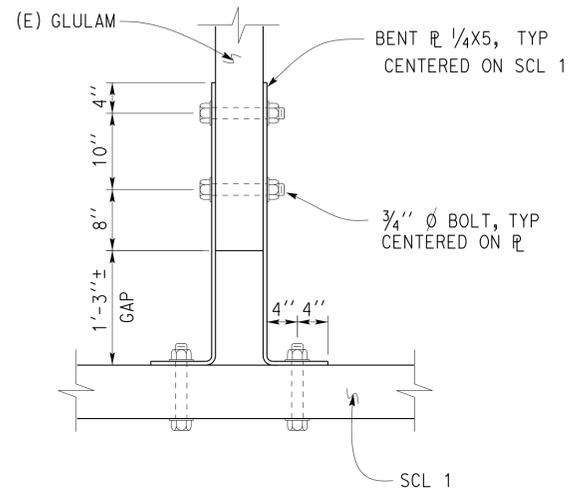
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	49	79

Thomas F. Reich
REGISTERED CIVIL ENGINEER DATE 01-12-12

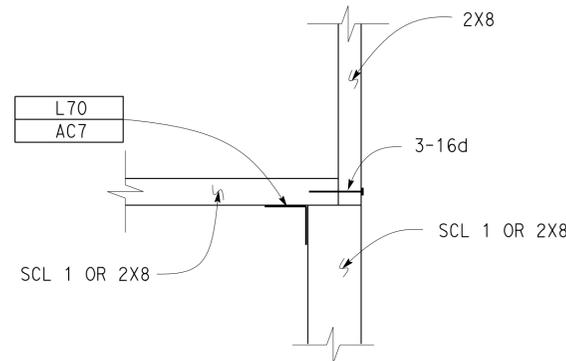


6-24-13
PLANS APPROVAL DATE

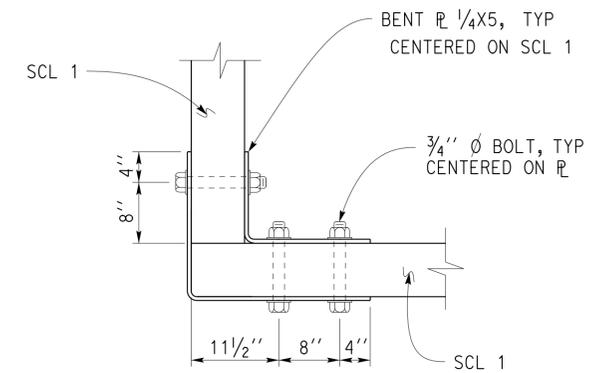
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.



1 CONNECTION AT (E) GLULAM
Scale 2" = 1' - 0"



2 SPLICE AT PERIMETER RAFTER
Scale 2" = 1' - 0"



3 CORNER CONNECTION
Scale 2" = 1' - 0"

DESIGN	BY Tom Mesich	CHECKED Robert Du Plaine
DETAILS	BY P. von Savoye	CHECKED Tom Mesich
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	53W0001R
POST MILE	54.4/R54.8

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
ROOF FRAMING DETAILS

SHEET ST-12

PLUMBING

- — — — Cold Water
- A — — Compressed Air
- F — — Fire Service Water Line
- G — — Gas
- D — — Equipment Drain
- RD — — Roof Drain
- OD — — Overflow Drain
- RWL — — Rain Water Leader
- — — — Hot Water
- R — — Relief Valve Discharge Pipe
- S — — Sewer Line
- — — — Sanitary Sewer (Above Grade)
- — — — Sewer Line
- — — — Sanitary Sewer Vent

PIPE FITTINGS AND VALVES

- ┌ — — — — Cap, Threaded
- └ — — — — Elbow, Turned Down
- ┌ — — — — Elbow, Turned Up
- — — — Reducer, Concentric
- — — — Pressure Gauge (With Gage Cock And Snubber)
- — — — Strainer
- — — — Union
- — — — Union, Insulating
- — — — Valve, Ball
- — — — Valve, Check
- — — — Valve, Gas
- — — — Valve, Gate
- — — — Valve, Safety Relief
- — — — Valve, Pressure Reducing
- — — — Valve, Pressure/Temperature
- — — — Water Hammer Arrestor

HEATING, VENTILATING AND AIR CONDITIONING

- — — — Balance Damper
- — — — Flexible Duct
- EA — — Exhaust Air
- RA — — Return Air
- SA — — Supply Air
- ☒ SIZE Exhaust Register
- □ or ☒ SIZE Return Register, See Note
- ← □ or ☒ SIZE Supply Diffuser, See Note
- ⊙ T Thermostat
- ⊙ TS Time Switch
- ⊙ EF Exhaust Fan
- ⊙ FE Fire Extinguisher
- ☐ CHLF Combination Heat Lamp, Light and Fan

NOTE: CEILING REGISTERS AND DIFFUSERS ARE IDENTIFIED BY DUCT CONNECTION NECK SIZE

MISCELLANEOUS

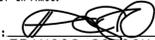
- ∠ Angle
- ⊕ Centerline
- ∅ Diameter
- ⬤ — — — — Section/Elevation By Letters
- — — — — Sheet Number
- — — — — Details By Number
- — — — — Sheet Number

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	50	79
REGISTERED MECHANICAL ENGINEER DATE 11-15-12 Jack Wheeler No. M21648 Exp. 6-30-15 MECH STATE OF CALIFORNIA				6-24-13 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.	

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY Tom Hatam CHECKED Mark Hedglin DETAILS BY Rudy Sarte CHECKED Tom Hatam QUANTITIES BY Tom Hatam CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS MECHANICAL LEGEND		SHEET M-0.0	
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3615 07000201971 EA 000000	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY) 11-22-10 03-29-11 04-08-11 04-21-11 05-12-11 08-12-11 01-08-12 11-15-12	SHEET OF
	FILE => m_0_0.dgn DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51		TAEMWW imperial Rev. 7/10		USERNAME => s109958 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51		V=I	

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	51	79

	11-15-12
REGISTERED MECHANICAL ENGINEER	DATE

6-24-13
PLANS APPROVAL DATE

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MECHANICAL ABBREVIATIONS:

A/C	Air Conditioning	Ga	Gauge	R	Radius
ABS	Acrylonitrile Butadiene Styrene	Gal.	Galvanized	RH	Radiant Heater
AC	Asphalt Concrete	GH	Ground Hydrant	Reg	Register
AD	Air Drop	GV	Globe Valve	RCP	Reinforced Concrete Pipe
AP	Alternative Pipe	GPM	Gallons Per Minute	RV	Relief Valve
ATF	Automatic Transmission Fluid	GSP	Galvanized Steel Pipe	Req.	Required
		GV	Gate Valve	RA	Return Air
		GWH	Gas Water Heater	RD	Roof Drain
BFP	Backflow Preventer	Gyp.	Gypsum		
Bldg.	Building			SDS	Sanitary Dump Station
BTU	British Thermal Unit	H	Height	SS	Sanitary Sewer
BTUH	British Thermal Unit Per Hour	HB	Hydrant Box	Sch	Schedule
BV	Balancing Valve	H/C	Hot Water, High Pressure Cleaner	S/S	Service Sink
		HF	Hose Faucet	SHR	Shower
C	Conduit	HVAC	Heating, Ventilating And Air Conditioning	Std.	Standard
Cap.	Capacity	HW	Hot Water	S.P.	Static Pressure
CHLF	Combination Heat Lamp, Light And Fan Unit	HZ	Hertz	Sta.	Station
CI	Cast-Iron			SA	Supply Air
CO	Cleanout	ID	Inside Diameter	SF	Supply Fan
COTF	Cleanout Through Floor	IE	Invert Elevation		
COTG	Cleanout Through Grade	In	Inch	TCV	Temperature Control Valve
CV	Check Valve	IPS	International Pipe Standard	TP	Trap Primer
CW	Cold Water			Tot.	Total
CFM	Cubic Feet Per Minute	KS	Kitchen Sink	TS	Time Switch
		Kw	Kilowatt	Typ.	Typical
D	Depth	LAV	Lavatory	UH	Unit Heater
Dia.	Diameter	LPG	Liquified Petroleum Gas	UR	Urinal
DWV	Drain/Waste/Vent	L/s	Liters Per Second		
DB	Dry Bulb	Max.	Maximum	V	Vent
DF	Drinking Fountain	MH	Manhole	VAC	Voltage, Alternating Current
DH	Duct Heater	Min.	Minimum	VR	Vent Riser
		MS	Mop Sink	VTR	Vent Thru Roof
(E)	Existing			W	Width
EA	Exhaust Air	(N)	New	W/	With
EEW	Emergency Eyewash And Shower	NIC	Not In Contract	W/O	Without
EF	Exhaust Fan	No.	Number	WB	Wet Bulb
Elev.	Elevation	NPT	National Pipe Thread	WC	Water Closet
Elect.	Electrical	NST	National Standard Thread	W.C.	Water Column
ESP	External Static Pressure	NPS	Nominal Pipe Size	W.H.	Wall Hydrant
EWC	Electric Water Cooler			W.H.A.	Water Hammer Arrestor
EWH	Electric Water Heater	OA	Outside Air	WLS	Water Level Switch
		OC	On Center	WP	Weatherproof
°F	Fahrenheit	OD	Outside Diameter	WSI	Wash Sink
FC	Flexible Connection	OG	Original Ground	WSP	Welded Steel Pipe
FD	Floor Drain				
FDC	Fire Department Connection	Ph	Phase		
FE	Fire Extinguisher	POC	Point Of Connection		
FG	Finish Grade	PVC	Polyvinyl Chloride		
FL	Flow Line	PCC	Portland Cement Concrete		
FH	Fire Hydrant	PSI	Pounds Per Square Inch		
FS	Flow Switch	PRV	Pressure Reducing Valve		
FTR	Flue Thru Roof				

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN	BY	Tom Hatam	CHECKED	Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS ABBREVIATIONS	SHEET M-0.1	
	DETAILS	BY	Rudy Sarte	CHECKED			Tom Hatam	POST MILE			
	QUANTITIES	BY	Tom Hatam	CHECKED			Mark Hedglin				
TAEMWW imperial Rev. 7/10	FILE => m_0_1.dgn	DATE PLOTTED => 24-JUN-2013	TIME PLOTTED => 13:51	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT PROJECT NUMBER & PHASE	3615 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF

USERNAME => s109958 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	52	79


 11-15-12
 REGISTERED MECHANICAL ENGINEER DATE
 6-24-13
 PLANS APPROVAL DATE

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CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12

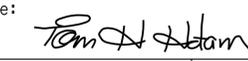
Note:
Only part 4 of 4 and 5 of 5 are included on this sheet. Other forms are on file.

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

PROJECT NAME: CASTAIC TRUCK INSPECTION FACILITY DATE: 12-10-11

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: TOM HATAM Signature: 

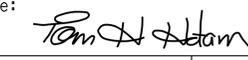
Company: CALTRANS Date: 12-10-11

Address: 1801 30th STREET If Applicable CEA# CEPE#

City/State/Zip: SACRAMENTO, CA 95814 Phone: 916-227-8351

PRINCIPAL MECHANICAL DESIGNER'S DECLARATION STATEMENT

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

Name: TOM HATAM Signature: 

Company: CALTRANS Date: 12-10-11

Address: 1801 30th STREET License# M33666

City/State/Zip: SACRAMENTO, CA 95814 Phone: 916-227-8351

MANDATORY MEASURES
Indicate location on building plans of Note Block for Manatory Measures: _____

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

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

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

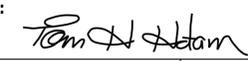
2008 Nonresidential Compliance Forms April 2010

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

PROJECT NAME: CASTAIC TRUCK INSPECTION FACILITY DATE: 12-10-11

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I Certify That This Certificate of Compliance Documentation is Accurate and Complete.

Name: TOM HATAM Signature: 

Company: CALTRANS Date: 12-10-11

Address: 1801 30th STREET If Applicable CEA# CEPE#

City/State/Zip: SACRAMENTO, CA 95814 Phone: 916-227-8351

PRINCIPAL MECHANICAL DESIGNER'S DECLARATION STATEMENT

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

Name: FERDINAND IGNACIO Signature: 

Company: CALTRANS Date: 12-10-11

Address: 1801 30th STREET License# C 1 1819

City/State/Zip: SACRAMENTO, CA 95814 Phone: 916-227-8219

ENVELOPE MANDATORY MEASURES
Indicate location on building plans of Mandatory Envelope Measures Note Block: _____

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

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

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

2008 Nonresidential Compliance Forms April 2010

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY Tom Hatam CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET M-0.2
			POST MILE		
			TITLE 24		
QUANTITIES BY Tom Hatam CHECKED Mark Hedglin	UNIT PROJECT NUMBER & PHASE 3615 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
TAEMWW imperial Rev. 7/10	FILE => m_0_2.dgn DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	11-22-10 03-29-11 04-08-11 04-21-11 05-12-11 06-12-11 07-08-12 11-15-12		

USERNAME => s109958 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51

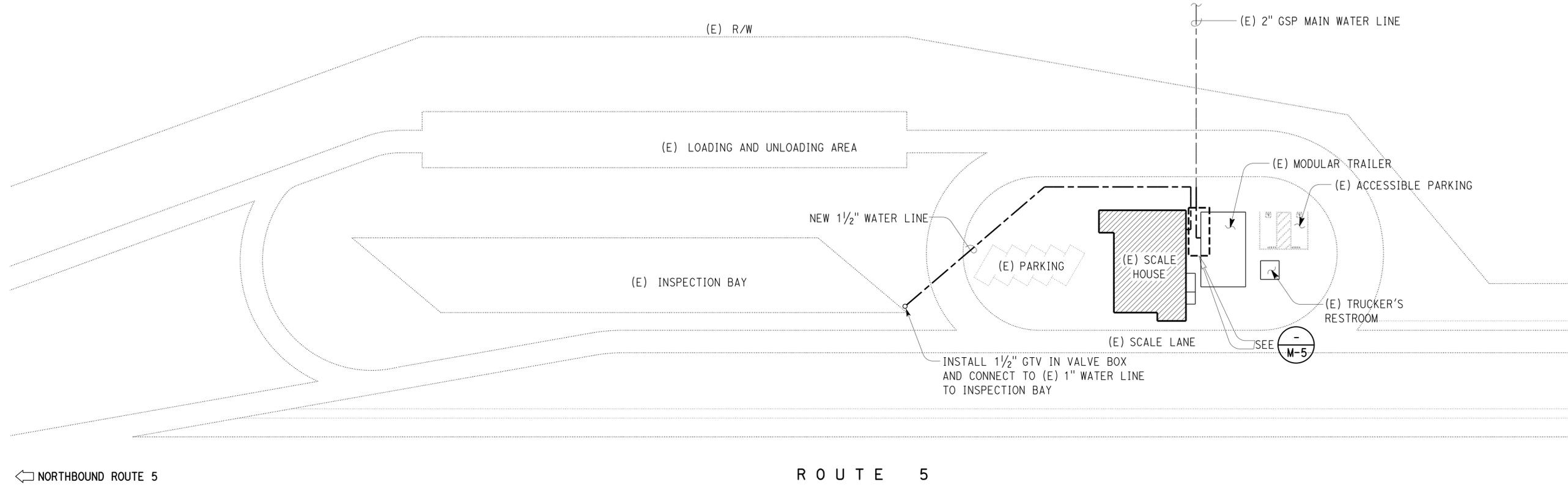
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Francis Solich*
 FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	53	79

<i>Jack Wheeler</i>	11-15-12
REGISTERED MECHANICAL ENGINEER	DATE

6-24-13
PLANS APPROVAL DATE

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SITE PLAN
 1" = 30'-0"

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 DESIGN SUPERVISOR	DESIGN	BY Tom Hatam	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS SITE PLAN	SHEET M-1 OF	
	DETAILS	BY Rudy Sarte	CHECKED Tom Hatam			POST MILE				
QUANTITIES	BY Tom Hatam	CHECKED Mark Hedglin	UNIT PROJECT NUMBER & PHASE			3615 07000201971	EA 000000			
FILE => m_1.dgn DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF

USERNAME => s109958 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51

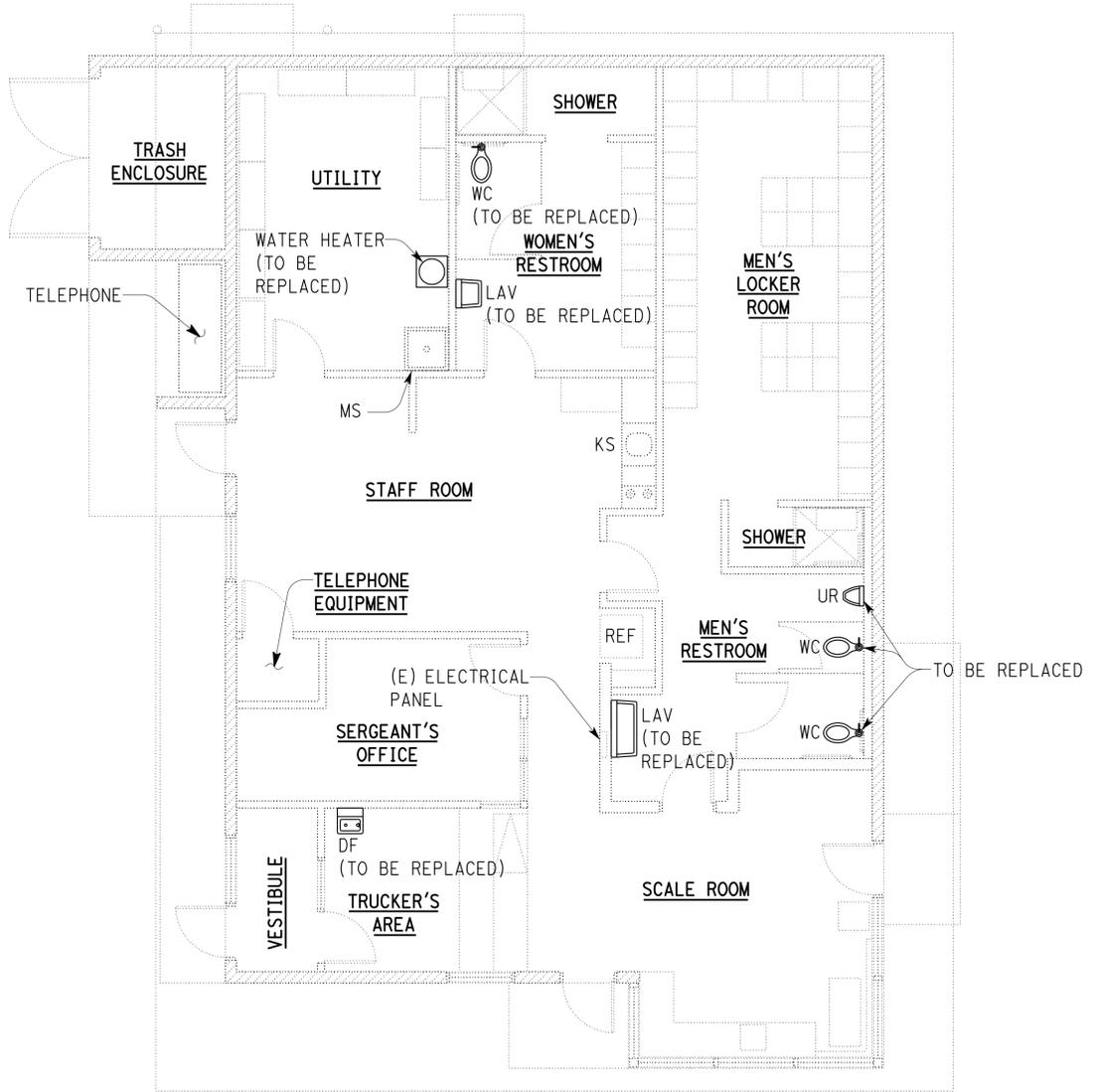
CALIFORNIA STATE FIRE MARSHAL APPROVED
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07	LA	5	R54.4/R54.8	54	79

11-15-12
 REGISTERED MECHANICAL ENGINEER DATE

6-24-13
 PLANS APPROVAL DATE

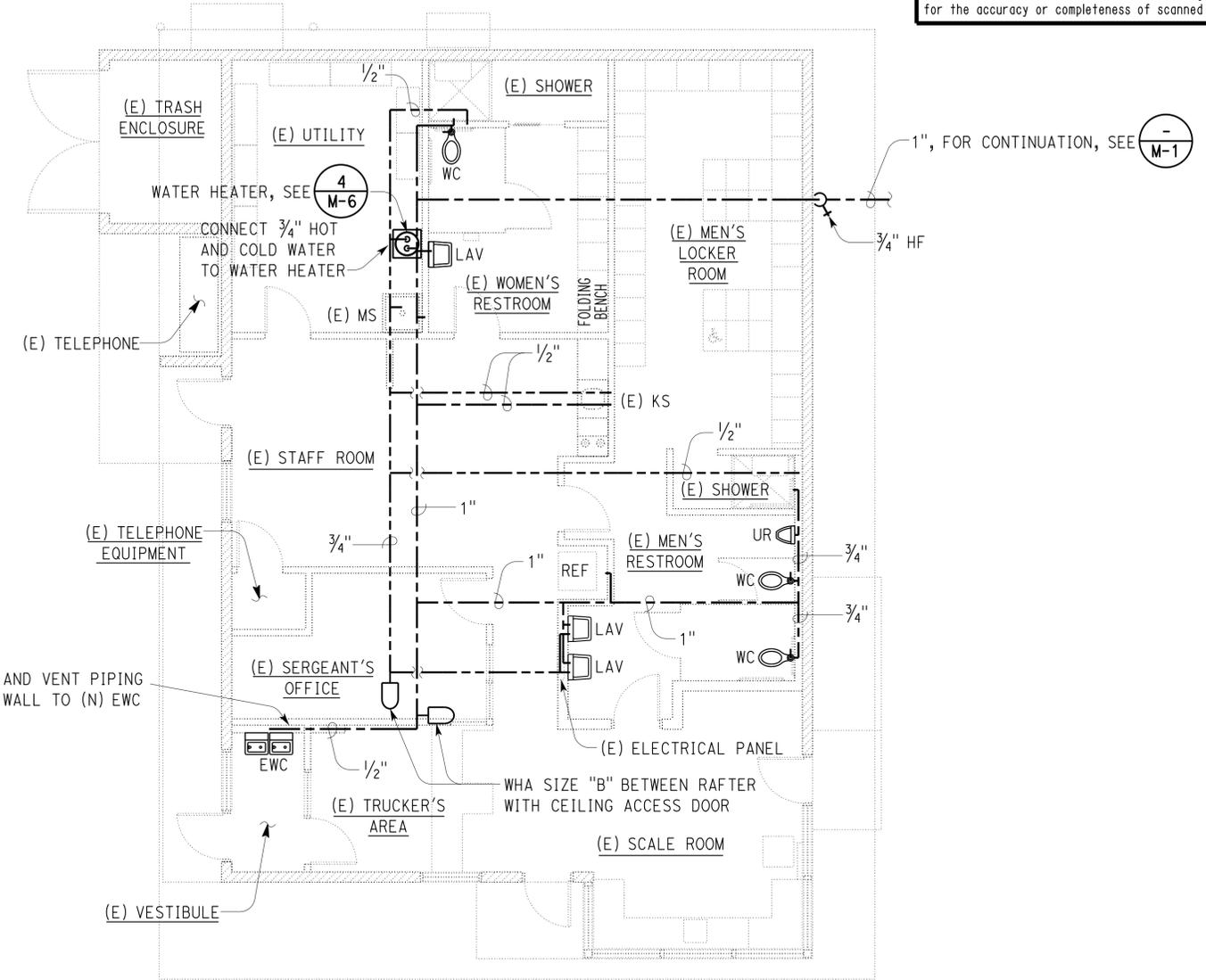
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EXISTING AND REMOVAL PLAN

3/16" = 1'-0"

Notes: All Hot and Cold Water Piping to all fixtures to be removed.



MODIFIED PLAN

3/16" = 1'-0"

Notes:
 1. ALL (N) HORIZONTAL WATER PIPING TO BE RUN ABOVE CEILING.
 2. ALL (E) VTR TO REMAIN. PROVIDE VENT FLASHING AT (N) ROOFING PER DETAIL 1 ON A-13.

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY Tom Hatam CHECKED Mark Hedglin	DETAILS BY Rudy Sarte CHECKED Tom Hatam	QUANTITIES BY Tom Hatam CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS PLUMBING PLAN	SHEET M-2
					POST MILE		
UNIT PROJECT NUMBER & PHASE 3615 07000201971				DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
FILE => m_2.dgn DATE PLOTTED => 24-JUN-2013		TIME PLOTTED => 13:51		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		11-22-10 03-28-11 04-08-11 04-21-11 05-12-11 06-12-11 08-08-12 11-15-12	

USERNAME => s109958 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 13:51

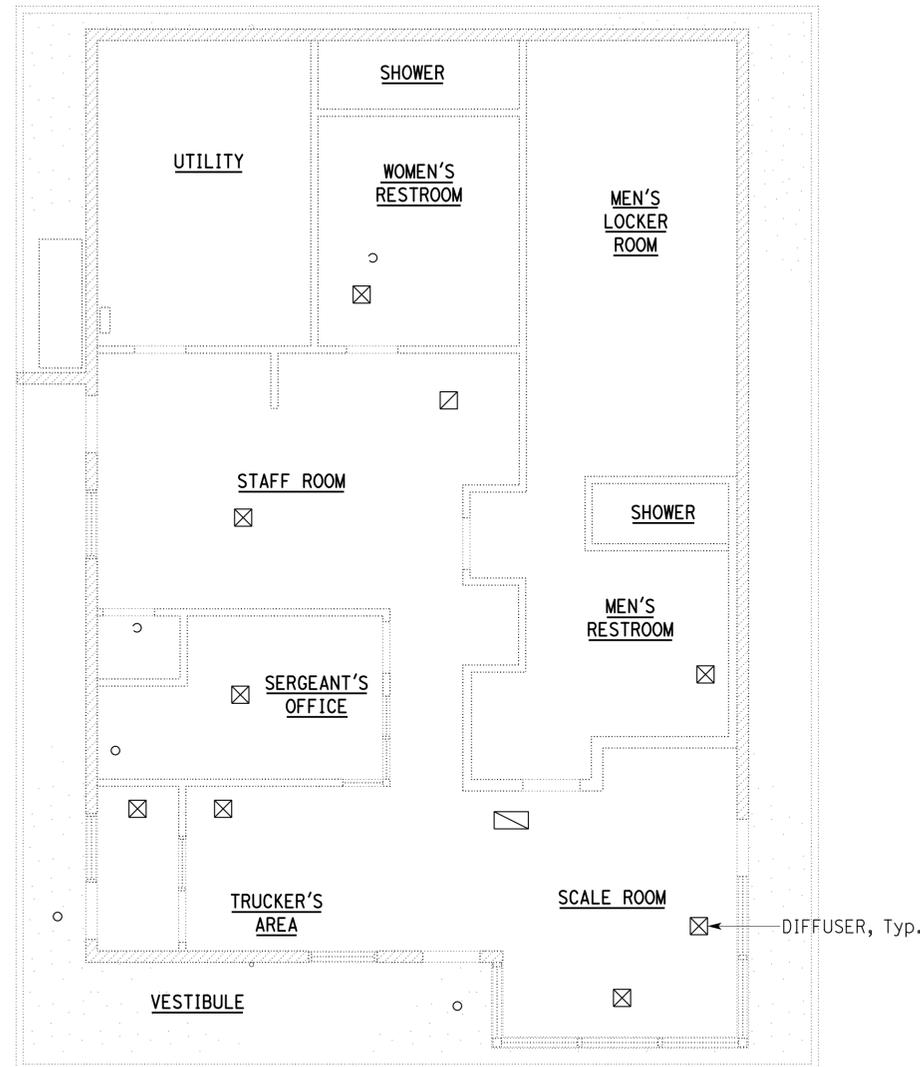
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	56	79

REGISTERED MECHANICAL ENGINEER DATE 11-15-12
 Jack Wheeler
 No. M21648
 Exp. 6-30-15
 MECH
 STATE OF CALIFORNIA

6-24-13
 PLANS APPROVAL DATE

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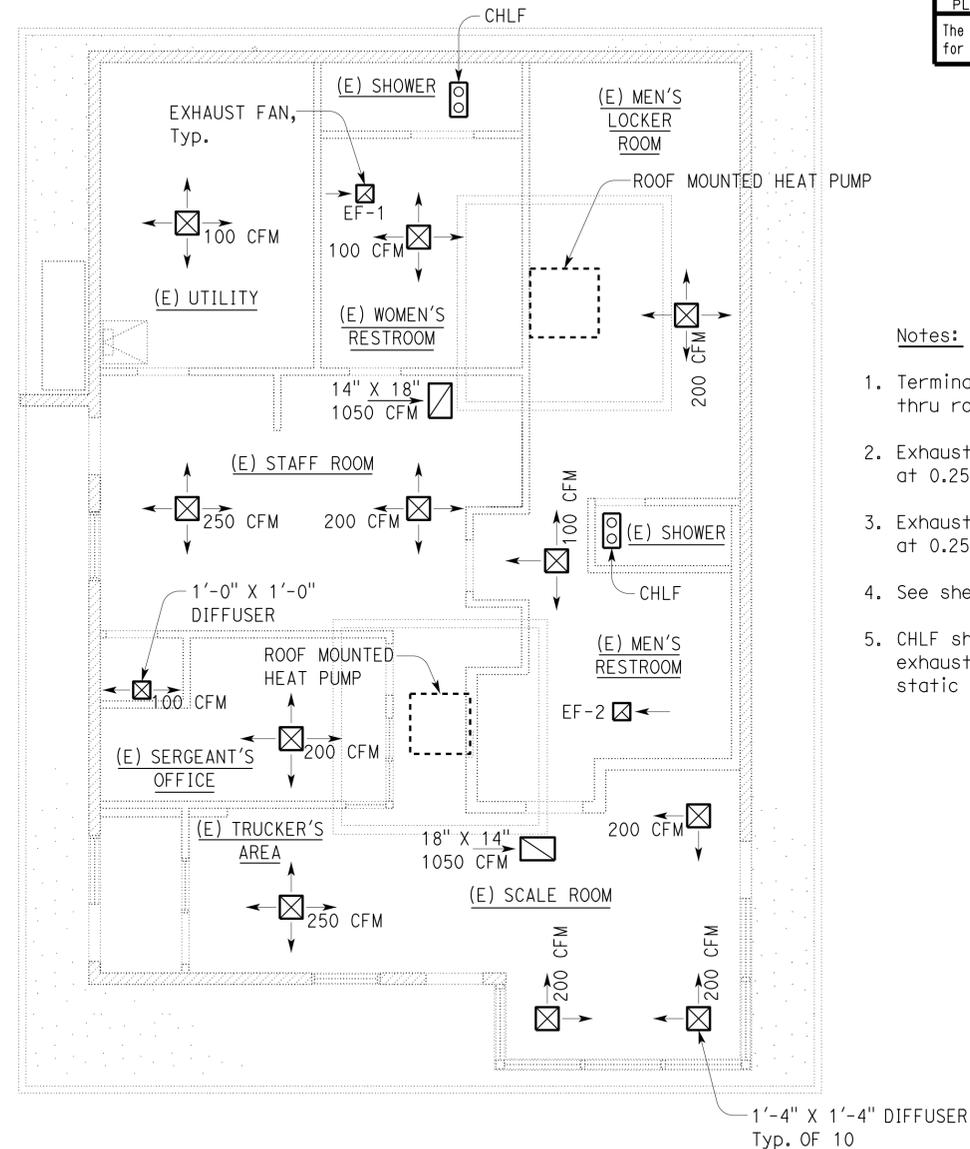


EXISTING HVAC PLAN

3/16" = 1'-0"

Notes:

1. Remove all Ceiling Diffusers and Register.



MODIFIED HVAC PLAN

3/16" = 1'-0"

Notes:

1. Terminate Ceiling Exhaust Fan's, Exhaust Duct thru roof with rain cap and bird screen.
2. Exhaust Fan, EF-1, shall be rated for 100 CFM at 0.25 inch W.C. static pressure. 120 V, 60 HZ.
3. Exhaust Fan, EF-2, shall be rated for 300 CFM at 0.25 inch W.C. static pressure. 120 V, 60 HZ.
4. See sheet EE-7 for location of thermostats.
5. CHLF shall have 2 infrared 250 W bulbs and exhaust fan rated for 70 CFM at 0.10 inch W.C. static pressure, 120 V, 60 HZ.

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DESIGN BY Tom Hatam CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS		SHEET M-4	
				HVAC PLAN			
DETAILS BY Rudy Sarte CHECKED Tom Hatam	UNIT PROJECT NUMBER & PHASE 3615 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET OF
QUANTITIES BY Tom Hatam CHECKED Mark Hedglin			11-22-10	03-29-11	04-08-11	04-21-11	
FILE => m_4.dgn DATE PLOTTED => 24-JUN-2013	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	EA 000000	TIME PLOTTED => 14:00				VI-1

PLUMBING SCHEDULE

FIXTURE	DRAINAGE ROUGH-IN	TRAP SIZE	VENT SIZE	MINIMUM CONNECTIONS	
				COLD WATER	HOT WATER
LAVATORY	2"	1 1/2"	1 1/4"	1/2"	1/2"
WATER CLOSET	3"	-	2"	1"	-
URINAL	2"	-	1 1/2"	1"	-
SHOWER	2"	2"	1 1/2"	1/2"	1/2"
KITCHEN SINK	2"	1 1/2"	1 1/2"	1/2"	1/2"
MOP SINK	3"	3"	1 1/2"	1/2"	1/2"
ELECTRIC WATER COOLER	1 1/2"	1 1/4"	1 1/4"	1/2"	-

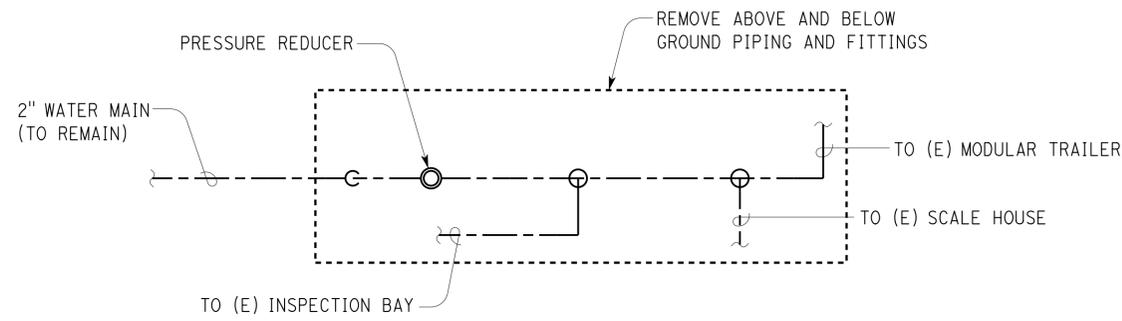
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07	LA	5	R54.4/R54.8	57	79

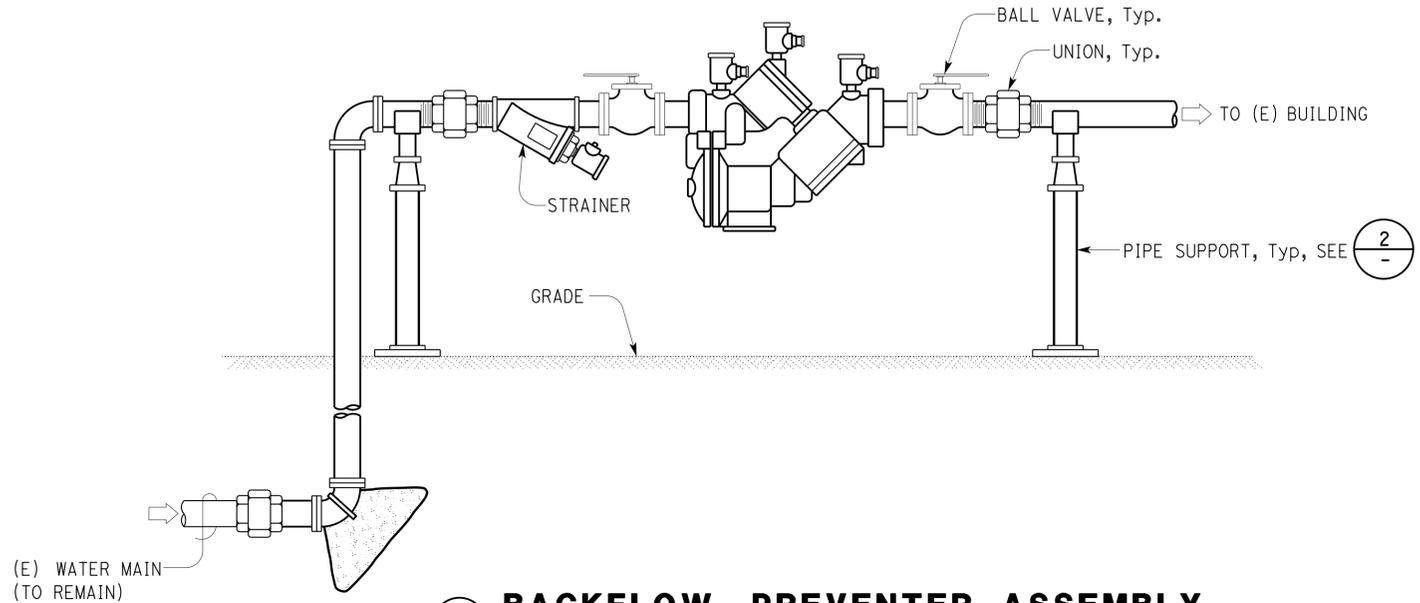
11-15-12
 REGISTERED MECHANICAL ENGINEER DATE
 Jack Wheeler
 No. M21648
 Exp. 6-30-15
 MECH
 STATE OF CALIFORNIA

6-24-13
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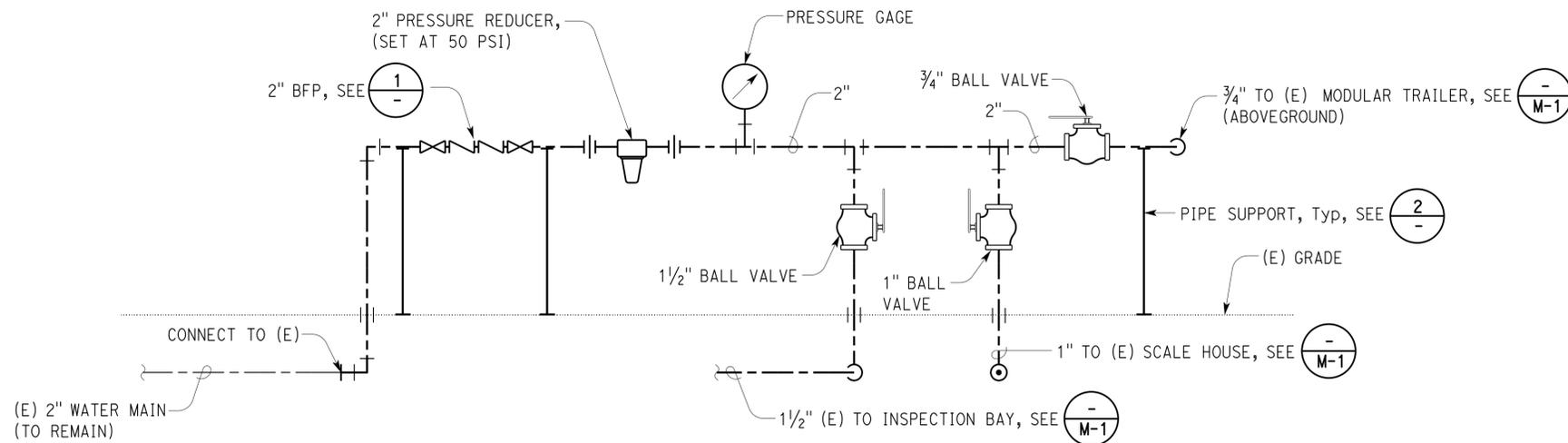
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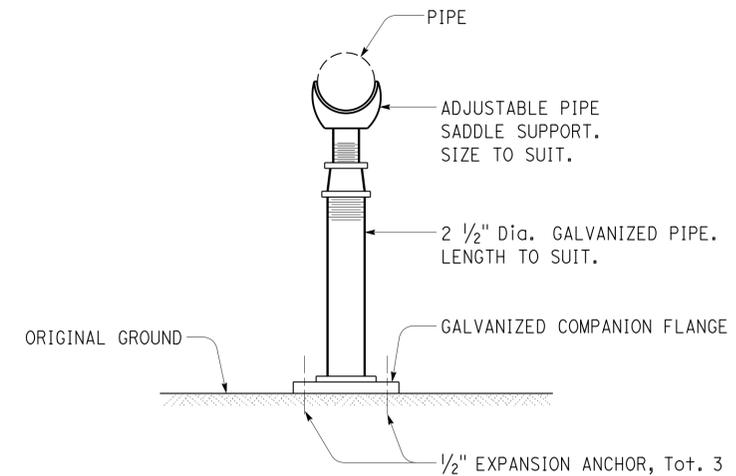
EXISTING



1 BACKFLOW PREVENTER ASSEMBLY



A REMODELED-ELEVATION



2 PIPE SUPPORT DETAIL

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

NO SCALE

DESIGN BY Tom Hatam	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET M-5	
DETAILS BY Rudy Sarte	CHECKED Tom Hatam		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		PLUMBING DETAILS	OF
QUANTITIES BY Tom Hatam	CHECKED Mark Hedglin		UNIT PROJECT NUMBER & PHASE 3615 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	

USERNAME => s119571 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 14:00

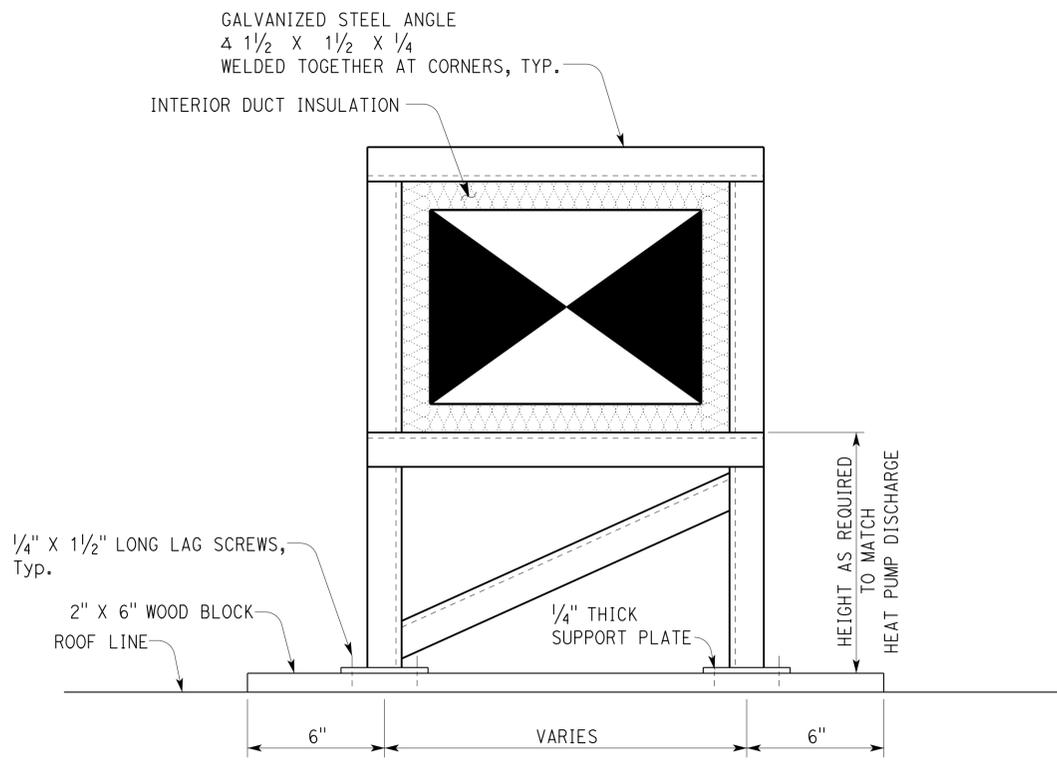
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	58	79

 REGISTERED MECHANICAL ENGINEER DATE 11-15-12	
6-24-13 PLANS APPROVAL DATE	
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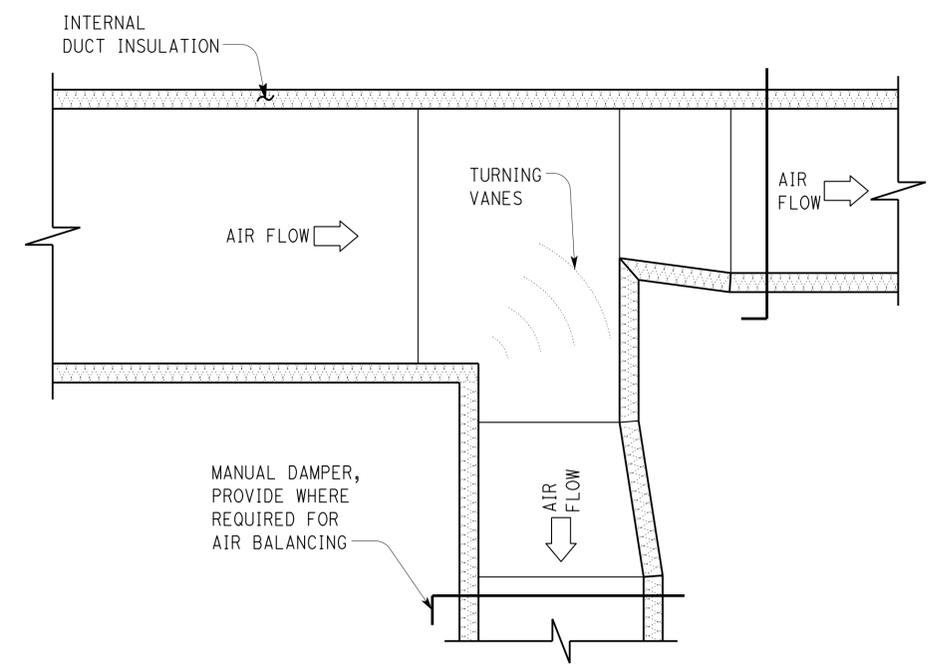
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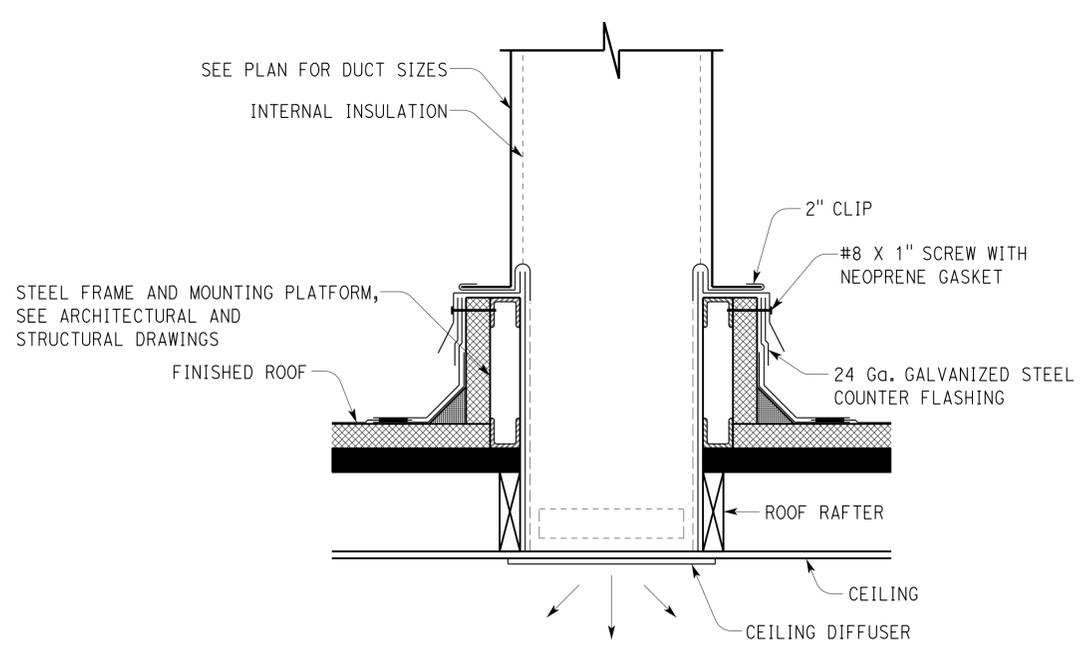
Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12



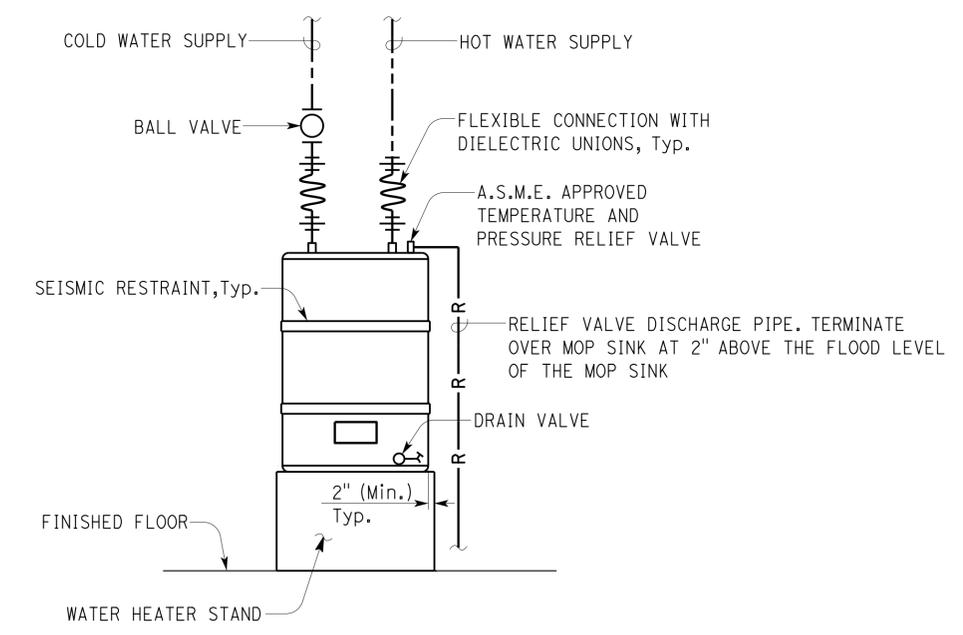
1 TYPICAL SECTION DUCT SUPPORT



2 TYPICAL DUCT TAKE-OFF



3 TYPICAL DUCT THRU ROOF DETAIL



4 ELECTRIC WATER HEATER

- NOTES:
- FOR PIPE SIZES, SEE FLOOR PLANS.
 - WATER HEATER SHALL BE 40 GALLON, 4500 WATT, 240 V, SINGLE PHASE WITH A RECOVERY RATE OF 21 GALLONS PER HOUR AT 90° F TEMPERATURE RISE.

NO SCALE

THIS DRAWING ACCURATE FOR MECHANICAL WORK ONLY

DESIGN BY Tom Hatam CHECKED Mark Hedglin DETAILS BY Rudy Sarte CHECKED Tom Hatam QUANTITIES BY Tom Hatam CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS HVAC DETAILS	SHEET M-6
			POST MILE		
TAEMWW imperial Rev. 7/10 FILE => m_6.dgn DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 14:00	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3615 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 11-22-10 03-29-11 04-08-11 04-21-11 05-12-11 08-12-11 11-15-12	SHEET OF

USERNAME => s119571 DATE PLOTTED => 24-JUN-2013 TIME PLOTTED => 14:00

GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION
	POLE-TOP 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 L 32 WATT LAMPS 2 LAMPS DESIGN TYPE FLUORESCENT NUMBER OF FIXTURES
	BLANK OUTLET
	JUNCTION BOX
	DROP CORD
	SINGLE RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET
	RANGE OUTLET
	CLOCK HANGER RECEPTACLE
	FAN HANGER RECEPTACLE
	FLOOR SINGLE RECEPTACLE OUTLET
	FLOOR DUPLEX RECEPTACLE OUTLET
	FLOOR SPECIAL PURPOSE OUTLET
	FLOOR RADIO OUTLET
	FLOOR TELEPHONE OUTLET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG
	MULTI-OUTLET ASSEMBLY
	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
SR	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
	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 MUST BE 1/2" UNLESS OTHERWISE NOTED.
A1,2	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT

SYMBOL	DESCRIPTION
	SURFACE METAL RACEWAY
(2) 1/2" PVC, 2#12	CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
	CONDUIT, RIGID STEEL, UNDERGROUND
	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
	CONDUIT, FLEXIBLE
	CONDUIT, TURN UP
	CONDUIT, TURN DOWN
	CONDUIT SEAL, EXPLOSION-PROOF
	CONDUIT, EXPANSION JOINT
	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
	POLE
	OCCUPANCY SENSOR
	OCCUPANCY SENSOR POWER PACK
	MANUAL PULL STATION
	AUDIO/VISUAL ALARM DEVICE
	HEAT DETECTOR
	SMOKE DETECTOR
	GLASS BREAK DISCRIMINATOR
	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
	KEYPAD FOR ALARM SYSTEM
	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	PULL BOX (TRAFFIC-RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
	COMBINATION HEAT, LIGHT, AND FAN UNIT
	SECTION/ELEVATION LETTER
	SHEET NUMBER
	DETAIL NUMBER
	SHEET NUMBER

REMODEL WORK

SYMBOL	DESCRIPTION
	EXISTING FLUORESCENT FIXTURE-TO REMAIN
	EXISTING FLUORESCENT FIXTURE-REMOVE
	EXISTING INCANDESCENT FIXTURE-TO REMAIN
	EXISTING INCANDESCENT FIXTURE-REMOVE
	EXISTING OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-TO REMAIN
	EXISTING RECEPTACLE OUTLET-REMOVE
	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN UNLESS OTHERWISE NOTED
	EXISTING CONDUIT AND CONDUCTORS-REMOVE
	EXISTING SWITCH-TO REMAIN
	EXISTING SWITCH-REMOVE
	EXISTING JUNCTION BOX-TO REMAIN
	EXISTING JUNCTION BOX-REMOVE

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)
	GENERATOR
	MOTOR
	FAN MOTOR

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
	LA	5	R54.4/R54.8	59	79
 REGISTERED ELECTRICAL ENGINEER			11-15-12	DATE	
6-24-13 PLANS APPROVAL DATE					
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CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by:
 FRANCIS SOLICH
 Approval date: 10-16-12

DESIGN BY Tech Ngov	CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS LEGEND	SHEET EE-0
DETAILS BY Kathi Andreasen	CHECKED Tech Ngov		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
QUANTITIES BY Tech Ngov	CHECKED Beatrice Bindu		UNIT 3597	DISREGARD PRINTS BEARING EARLIER REVISION DATES		
TAEMWW Imperial Rev. 7/10	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	PROJECT NUMBER & PHASE 07000201971	REVISION DATES (PRELIMINARY STAGE ONLY)	5/18/12 8/24/12 11/15/12	SHEET OF

ABBREVIATIONS

A
 A AMPERES
 AC ALTERNATING CURRENT, ASPHALT CONCRETE
 A/C AIR CONDITIONING UNIT
 ACS AIR COMPRESSOR STARTER
 AFCI ARC FAULT CIRCUIT INTERRUPTER
 AI ANALOG INPUT
 AL ALARM LIGHT
 AO ANALOG OUTPUT
 AR ALARM RESET
 AVC AIR VOLUME CONTROLLER

B
 BC BARE COPPER, BEGINING HORIZONTAL CURB
 BD BUILDING DISCONNECT
 BP BOOSTER PUMP
 Brk BREAKER

C
 Cat CATEGORY
 CC CENTER CHANNEL LIGHT, CENTER TO CENTER
 CD CONTROL DISCONNECT
 CM CENTER MARGIN LIGHT
 CR CONTROL RELAY
 CSW CURRENT SWITCH

D
 DC DIRECT CURRENT
 DI DIGITAL INPUT, DRAINAGE INLET, DROP INLET
 DP DUPLEX PLUG RECEPTACLE
 DS DOOR SWITCH

E
 (E) EXISTING
 EB EASTBOUND
 EF EXHAUST FAN

F
 F FUSE
 FL FAILURE LIGHT, FLOW LINE
 FLA FLASHER
 Flex FLEXIBLE CONDUIT
 FLS FLOW SWITCH
 FR FAILURE RESET, FLAME RESISTANT
 FS FLOAT SWITCH, FAR SIDE FINISH SURFACE

G
 GRS GALVANIZED RIGID STEEL

H
 HGR HEIGHT GAUGE RECEIVER

I
 IC IRRIGATION CONTROLLER
 ICC IRRIGATION CONTROLLER CABINET
 IR INDUCTION RELAY
 ISR INTRINSICALLY SAFE RELAY

J
 JB JUNCTION BOX

K
 KV KILOVOLT
 KVA KILOVOLT AMPERES
 KW KILOWATT

L
 L LIGHT, LENGTH
 LC LIGHTING CONTACTOR
 LCD LIQUID CRYSTAL DISPLAY
 LCP LIGHTING CONTROL PANEL
 LD LIGHT DISCONNECT
 LDCI LEAK DETECTOR CIRCUIT INTERRUPTER
 LED LIGHT EMITTING DIODE
 LL LIQUID LEVEL RELAY
 LLC LIQUID LEVEL CONTROLLER
 LP LIGHT PANEL
 LS LIGHT SWITCH, LUMP SUM
 LT LIGHT TRANSFORMER, LEFT
 LTO LIGHT TRANSFORMER OVERLOAD

M
 MB MAIN BREAKER, METAL BEAM
 MC METALLIC CONDUIT
 MCP MOTOR CIRCUIT PROTECTOR
 MCC MOTOR CONTROL CENTER
 MD MOTOR DISCONNECT
 MH MOUNTING HEIGHT
 MS MOTOR SAVER
 MSB MAIN SWITCHBOARD

N
 (N) NEW
 Nav NAVIGATIONAL LIGHTS
 NB NEUTRAL BUS, NORTHBOUND
 NSW NEUTRAL SWITCHING BREAKER

O
 O/C ON CENTER
 OL OVERLOAD

P
 PA PUBLIC ADDRESS
 PB PULL BOX, PUSHBUTTON
 PCP PUMP CONTROL PANEL, PERFORATED CONCRETE PIPE, PRESTRESSED CONCRETE PIPE
 PD PUMP DISCONNECT
 PFRD PHASE FAILURE RELAY DISCONNECT
 PL PILOT LIGHT
 PS PRESSURE SWITCH
 PTS POWER TRANSFER SWITCH
 PV PHOTOVOLTAIC

R
 RD RECEPTACLE DISCONNECT
 RES RESISTOR
 Rm ROOM
 RTB RADIO TERMINAL BOARD

S
 S STARTER COIL, SOUTH, SUPPLEMENT
 Sch SCHEDULE
 SD SERVICE DISCONNECT
 SFR SEAL FAILURE RELAY
 SL SUMP LIGHT
 SPR STANDBY POWER RECEPTACLE
 Sq SQUARE
 SS SELECTOR SWITCH, SLOPE STAKE
 ST STARTER
 SV SOLENOID VALVE
 SWIM SLOW WEIGH-IN-MOTION

T
 TB TERMINAL BLOCK
 TC TELEPHONE CABLE, TOP OF CURB
 TDR TIME DELAY RELAY
 TGLS TOGGLE SWITCH
 TM TIME METER
 TS TIMER SWITCH, TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL
 TSW TEST SWITCH
 TTb TELEPHONE TERMINAL BOARD

U
 UPS UNINTERRUPTIBLE POWER SUPPLY

V
 V VOLT(S), VALVE
 Var VARIABLE, VARIES

W
 W WATT, WIDTH, WEST
 WLS WATER LEVEL SWITCH
 WP WEATHERPROOF
 WSMS WEIGH STATION MESSAGE SIGN

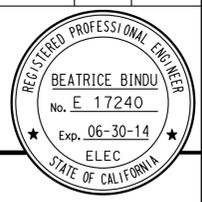
CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *[Signature]*
FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	60	79

REGISTERED ELECTRICAL ENGINEER DATE 11-15-12

6-24-13
 PLANS APPROVAL DATE

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PROJECT NOTES

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

STANDARD NOTE

[RLD] Relocated equipment.

SYMBOLS

- ∠ ANGLE
- @ AT
- ° DEGREES
- Δ DELTA
- Ω OHM(S)
- ∅ PHASE
- ± PLUS OR MINUS

DESIGN BY Tech Ngov	CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION		DIVISION OF ENGINEERING SERVICES		BRIDGE No.	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS NOTES AND ABBREVIATIONS	SHEET EE-0.1 OF	
				ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		53W0001R			
						POST MILE			
DETAILS BY Kathi Andreasen	CHECKED Tech Ngov	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		UNIT PROJECT NUMBER & PHASE	3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Tech Ngov	CHECKED Beatrice Bindu	0 1 2 3				6/15/12 8/24/12 11/15/12			

TAEMWW Imperial Rev. 7/10 EA 278801 ee_0_1.dgn

GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. Not all existing conduits and conductors are shown for clarity.
3. The location of all conduit and pull boxes shown is approximate only. Actual location to be verified in the field.
4. See "Modified Site Plan No. 1" for work done over the removed items.

KEYED NOTES:

- (A) Weigh Station Message Sign is made of steel frame, 4'-8" x 14'-3", mounted on 16" round post, bolted to concrete pedestal, and is approximately 20'-0" high. Remove the sign and post, abandon concrete foundation.
- (B) 1/2"C, PVC, 2#6 (120 V), 3#16 shielded cable, 3#14, 1#12, and 1#10G. Remove conductors, abandon conduit.
- (C) Identify and tape all conductors from Note (B) and tag as "SPARE"; 2#6 is still in use for the Extinguishable Message Sign.
- (D) Remove pull box.
- (E) 1/2"C, PVC, 2#6 (120 V EMS), 3#16 shielded cable, 3#14 and 1#12, to remain.
- (F) 1/2"C, PVC, 2#6 (120 V EMS), 3#16 shielded cable, 3#14, 1#12, 1#10G, and 2#8 (240 V Lighting).
- (G) No. 5 traffic-rated pull box, to remain. Clean up inside box.
- (H) In the gap shown between Stations 12+00 and 18+00, there are approximately 6 pull boxes. Remove pull boxes.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	63	79

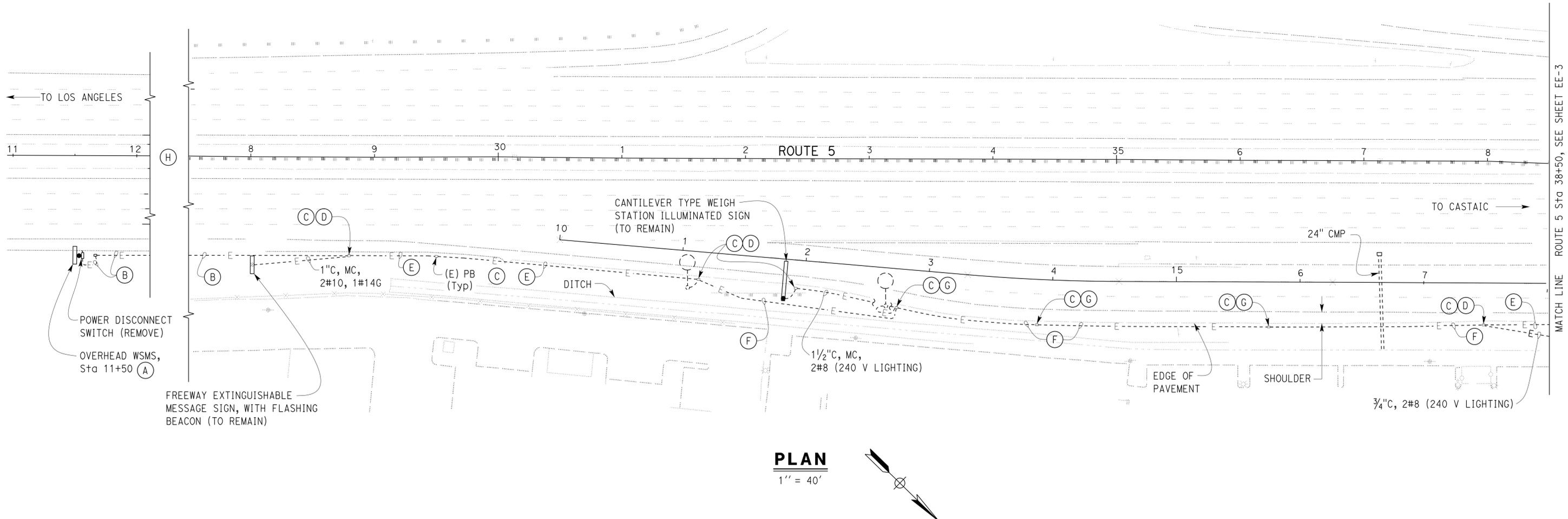


 REGISTERED ELECTRICAL ENGINEER DATE 11-15-12
 PLANS APPROVAL DATE 6-24-13
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Reviewed by: 
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 Approval date: 10-16-12



PLAN
1" = 40'

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DESIGN SUPERVISOR  DESIGN ENGINEER 	DESIGN BY Tech Ngov	CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS EXISTING SITE PLAN No. 1	SHEET EE-1
	DETAILS BY Kathi Andreasen	CHECKED Tech Ngov		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		
	QUANTITIES BY Tech Ngov	CHECKED Beatrice Bindu		UNIT PROJECT NUMBER & PHASE 3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 10/27/10 1/24/11 2/15/11 9/27/11 12/21/11 1/6/12 8/24/12 11/15/12	SHEET OF

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3597 07000201971 DISREGARD PRINTS BEARING EARLIER REVISION DATES

24-JUN-2013 14:01 ee_01.dgn

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	64	79

REGISTERED ELECTRICAL ENGINEER DATE 11-15-12
 BEATRICE BINDU No. E 17240 Exp. 06-30-14 ELEC STATE OF CALIFORNIA
 6-24-13 PLANS APPROVAL DATE
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GENERAL NOTES:

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- Not all existing conduits and conductors are shown for clarity.
- The location of all existing conduit and pull boxes shown is approximate only. Actual location to be verified in the field.
- Install pull boxes at every 200'-0" interval maximum, in the gap shown between Stations 12+00 and 28+00. All new pull boxes are traffic-rated.

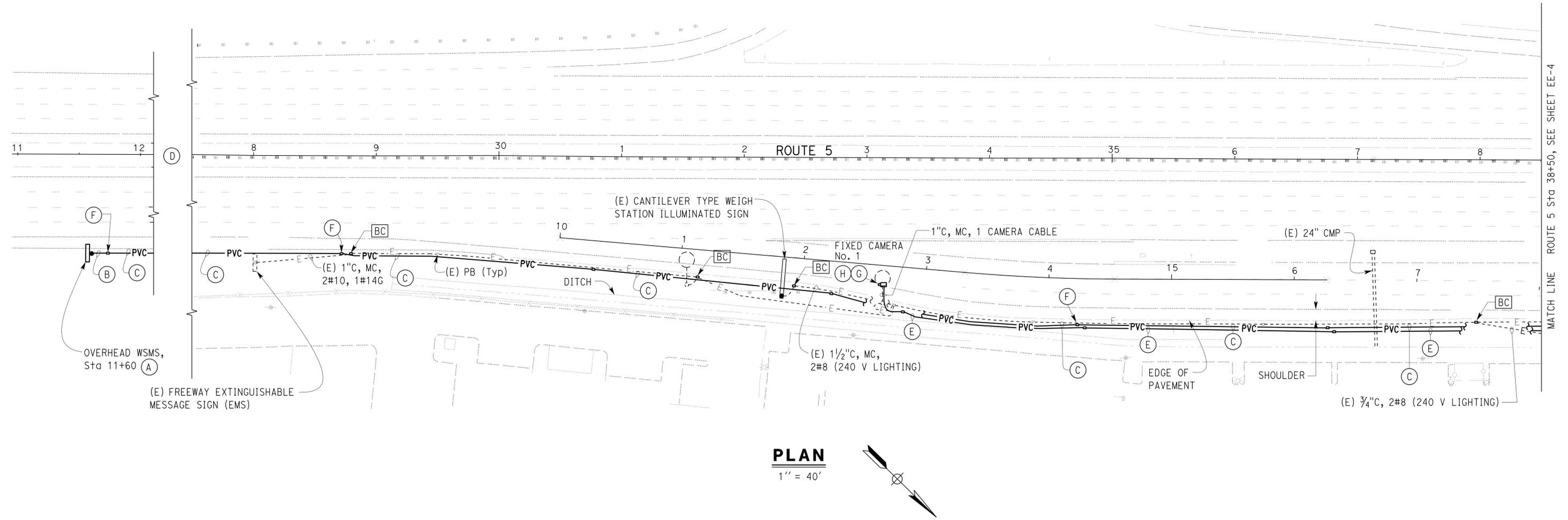
KEYED NOTES:

- Weigh Station Message Sign (WSMS) overhead sign, post and foundation. For details, see sheet EE-16.
- 1 1/2" C, MC, 2#10, 5#10, 2#10 spare, 1#6G.
- 1 1/2" C, 2#6, 5#10, 2#10 spare, 1#6G.
- In the gap shown between Stations 12+00 and 28+00, there is a bridge overcrossing Rye Canyon Street, approximately 100'-0" long. Install pull boxes in dirt on both sides of the bridge. Install 1 1/2" C, MC, 2#6, 5#10, 2#10 spare, and 1#6G, from pull box to pull box. Secure conduit on the outside railing of the bridge.
- 1 1/2" C, camera cable.
- Install ground electrode with clamp and connect to 1#6G conductor.
- Mount fixed camera on existing Type 15 lighting standard. For details, see 1
EE-14.
- Provide Mounting Bracket as required. For connection, see "CCTV SYSTEM DIAGRAM", sheet EE-11.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12



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DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Kathi Andreasen CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS MODIFIED SITE PLAN No. 1	SHEET EE-2 OF
			POST MILE		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971	EA 278801	SHEET OF		

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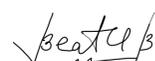
GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. Not all existing conduits and conductors are shown for clarity.
3. The location of all conduit and pull boxes shown is approximate only. Actual location to be verified in the field.
4. For the details of existing PA system, see sheet EE-15

KEYED NOTES:

- (A) Tape all conductors from Note (C) on sheet EE-1 and tag as "SPARE", except 2#6 is still in use for Extinguishable Message Sign.
- (B) Remove existing pull box.
- (C) 1½"C, PVC, 2#6 (120 V), 3#16 shielded cable, 3#14 and 1#12, to remain.
- (D) No. 5 traffic-rated pull box, to remain. Clean up inside box.
- (E) 1½"C, MC, 9#10, 6#14, for overhead sign bridge 2#8 lighting.
- (F) Remove existing fixed camera and associated cable, conduit to remain.
- (G) Exposed aerial camera cables hanging from light pole, to light pole. Remove.
- (H) Remove (1) double-head open projector type light, under the roof framing.
- (I) Remote existing fixed camera, associated cable and conduit.

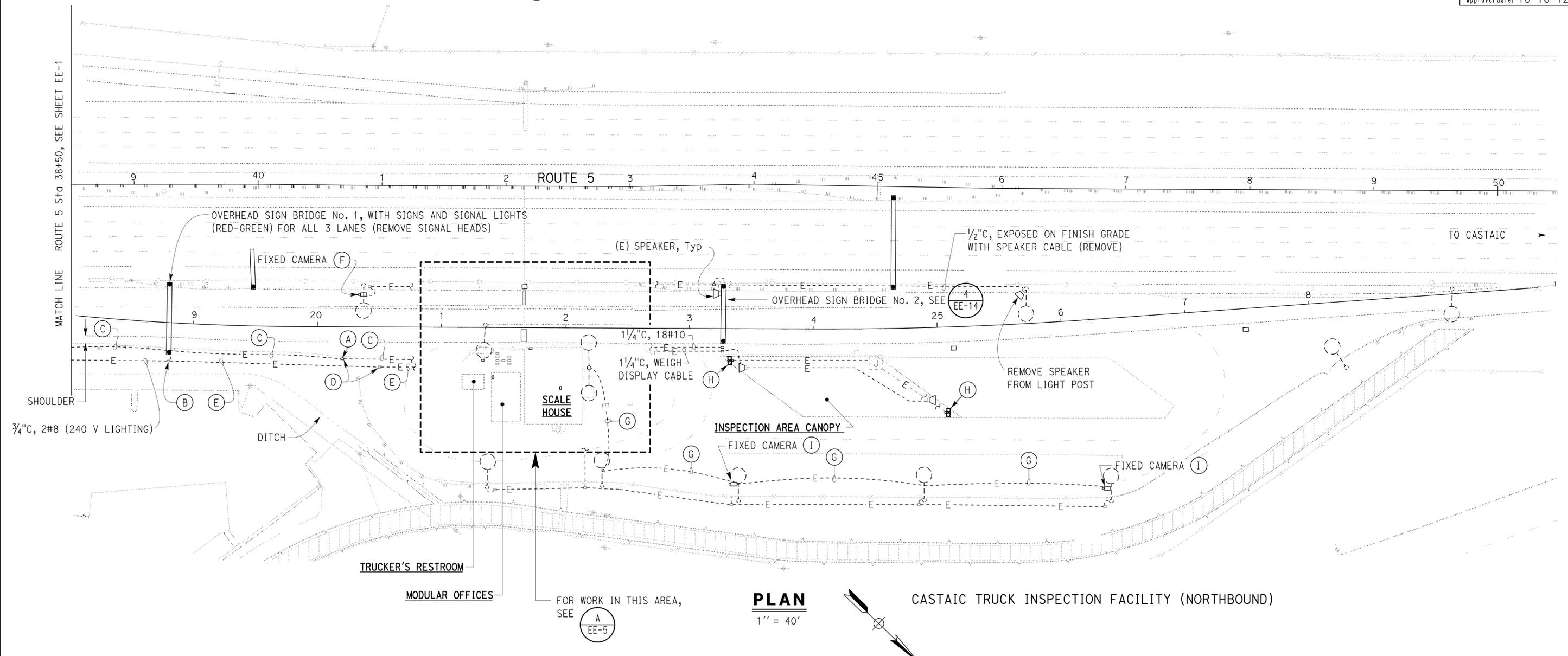
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	65	79


 REGISTERED ELECTRICAL ENGINEER DATE 11-15-12
 BEATRICE BINDU No. E 17240 Exp. 06-30-14 ELEC STATE OF CALIFORNIA
 6-24-13 PLANS APPROVAL DATE
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Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12



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DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Kathi Andreasen CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS EXISTING SITE PLAN No. 2	SHEET EE-3 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971 EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 10/27/10 11/7/10 1/24/11 5/7/11 9/27/11 12/27/11 1/6/12 8/24/12 11/15/12	SHEET OF
	TAEMWW Imperial Rev. 7/10	25-JUN-2013 14:06 ee_03.dgn			

GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. Not all existing conduits and conductors are shown for clarity.
3. The location of all conduit and pull boxes shown is approximate only. Actual location to be verified in the field.

KEYED NOTES:

- (A) 1/2"C, PVC, 2#6 (120 V), 3#16 shielded cable, 3#14 and 1#12, to remain.
- (B) 1/2"C, MC, 9#10, 6#14, for overhead sign bridge, 2#8 lighting, to remain.
- (C) Install LED type signal heads, 3 red and 3 green (One red-green over each lane).
- (D) Provide mounting bracket as required. For connection, see "CCTV SYSTEM DIAGRAM", sheet EE-11.
- (E) Install 1 camera cable in existing 1" conduit.
- (F) 1/2"C, 2#6, 5#10, 2#10 spare, 1#6G.
- (G) 1/2"C, 2 camera cables.
- (H) For details, see 1
EE-14
- (I) Sawcut the pavement for conduit installation, and patch back to match existing.
- (J) 1/2"C, 1 camera cable.
- (K) Install conduit at 6" from finish grade on existing concrete barrier and secure with clamp back.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	66	79



11-15-12
DATE

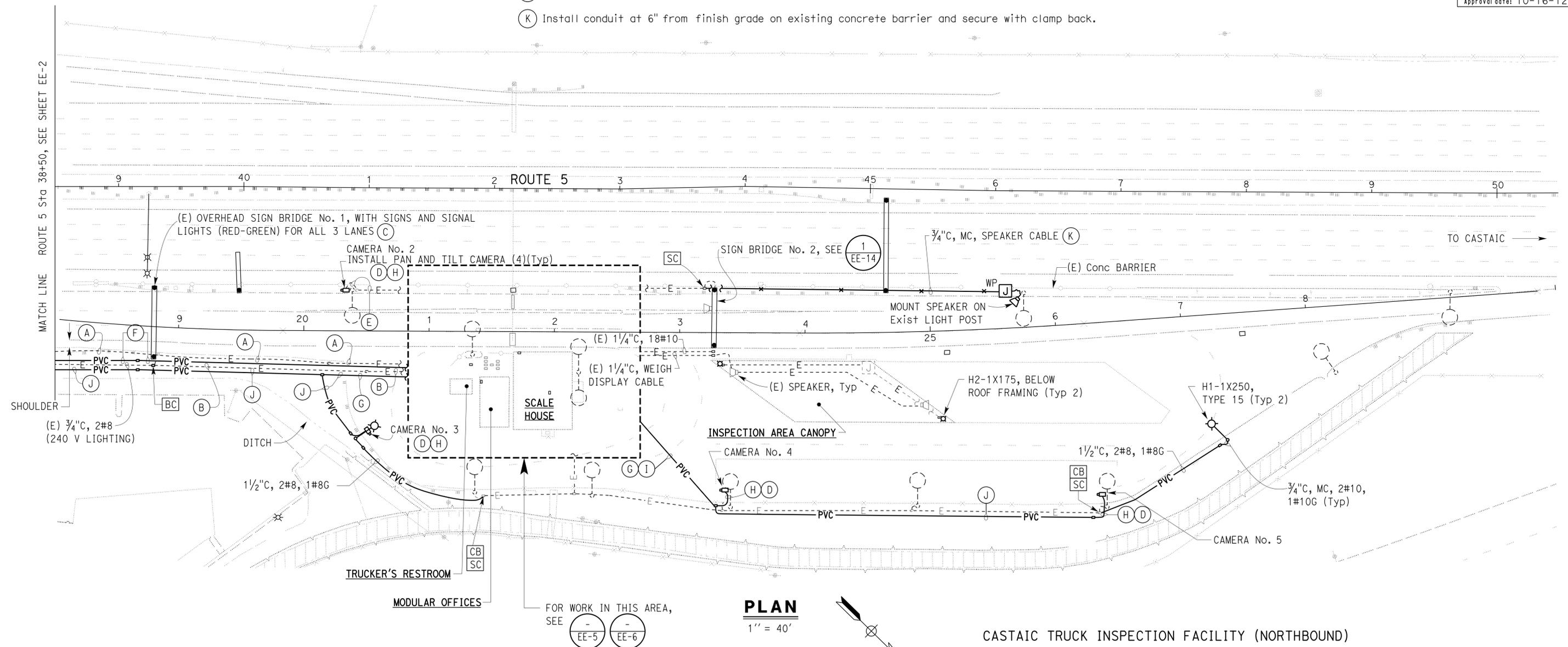
6-24-13
PLANS APPROVAL DATE

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**CALIFORNIA STATE FIRE MARSHAL
APPROVED**

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Reviewed by: 
FRANCIS SOLICH
Approval date: 10-16-12



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DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Kathi Andreasen CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS MODIFIED SITE PLAN No. 2	SHEET EE-4
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971 EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 10/27/10 11/7/10 1/24/11 03/09/11 05/18/11 9/27/11 12/21/11 1/6/12 8/24/12 11/15/12	SHEET OF

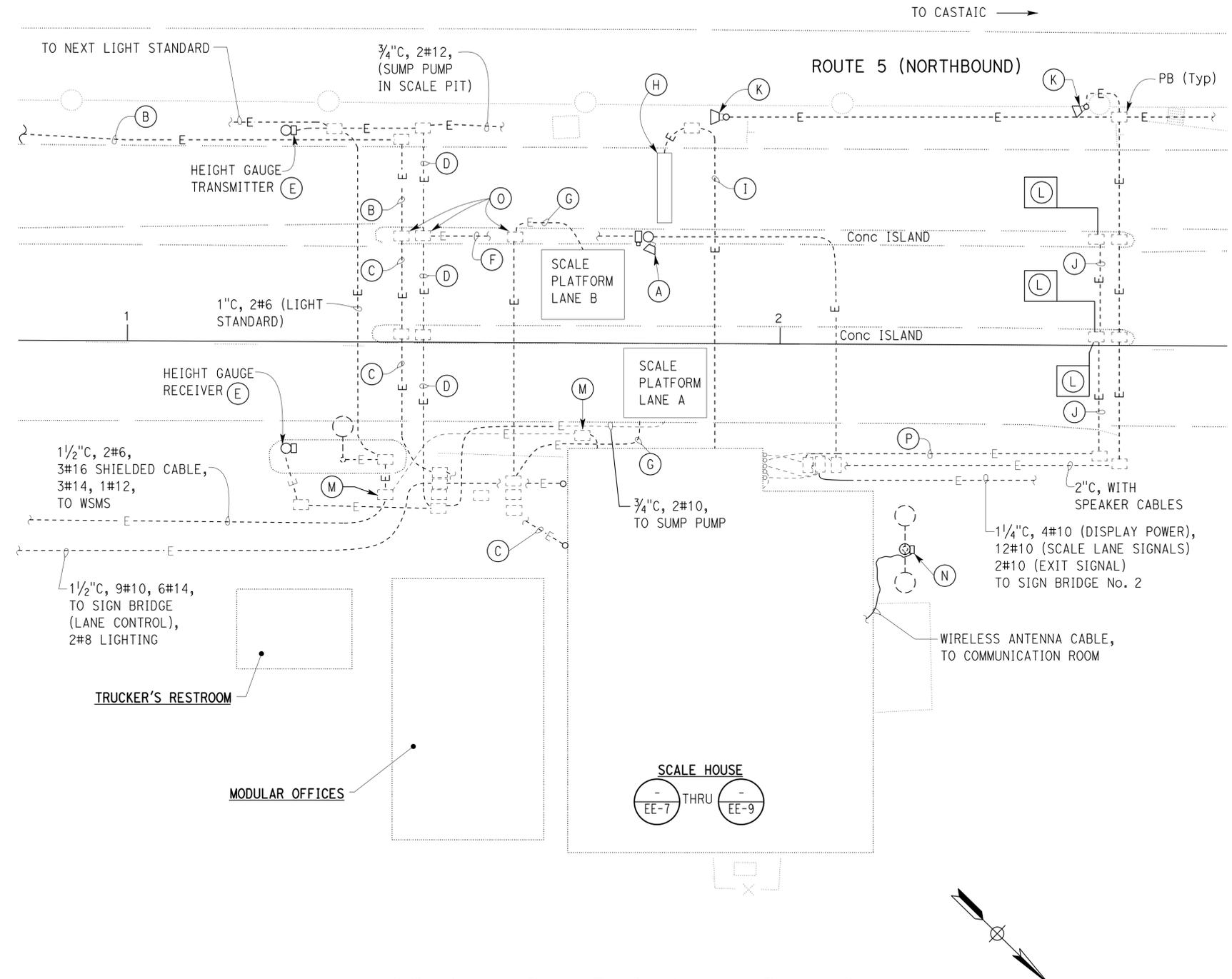
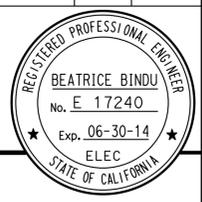
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	67	79

REGISTERED ELECTRICAL ENGINEER	DATE
<i>Beatrice Bindu</i>	11-15-12
6-24-13	PLANS APPROVAL DATE

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A ENLARGED EXISTING PARTIAL SITE PLAN
 1" = 10'

GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. Not all conduits and conductors are shown for clarity.
3. The location of all conduit and pull boxes shown is approximate only. Actual location to be verified in the field.
4. Most of the underground pull boxes shown are filled or half-filled with dirt. Clean all up.
5. For the details of existing PA system, see sheet EE-15.

KEYED NOTES:

- (A) Remove camera and speaker on mast arm and associated cables.
- (B) 1" C, camera cable. Remove cables.
- (C) 2" C, CCTV cables. Remove cables.
- (D) 2" C, 2#14 (Height gauge cable), 2#10 (Sump pump), remove conductors, conduit to remain.
- (E) Remove height gauge transmitter and receiver with associated wires. Poles and conduit to remain for reuse.
- (F) 2" C, camera and speaker cable. Remove cables, conduit to remain.
- (G) 3/4" C, load cell cable, to remain.
- (H) In-motion weigh pad. Remove with associated cable.
- (I) 1" C, weigh pad cable. Remove cable(s), conduit to remain.
- (J) 2" C, loop detector lead-in cables. Remove cable(s), conduit to remain.
- (K) Remove speaker.
- (L) Remove detector loop conductors.
- (M) Identify and tag as spare conductors feeding the Weigh Station Message Sign.
- (N) Remove temporarily the wireless antenna and cable originating from Communication Room.
- (O) Remove existing pull box and install new No. 5 pull box in same location.
- (P) 3/4" C, 3 detector loop cables. Remove cables, conduit to remain.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Tech Ngov CHECKED Beatrice Bindu	DETAILS BY Kathi Andreasen CHECKED Tech Ngov	QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-5		
					POST MILE		ENLARGED EXISTING PARTIAL SITE PLAN	OF	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3597 07000201971	EA 278801	DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	68	79

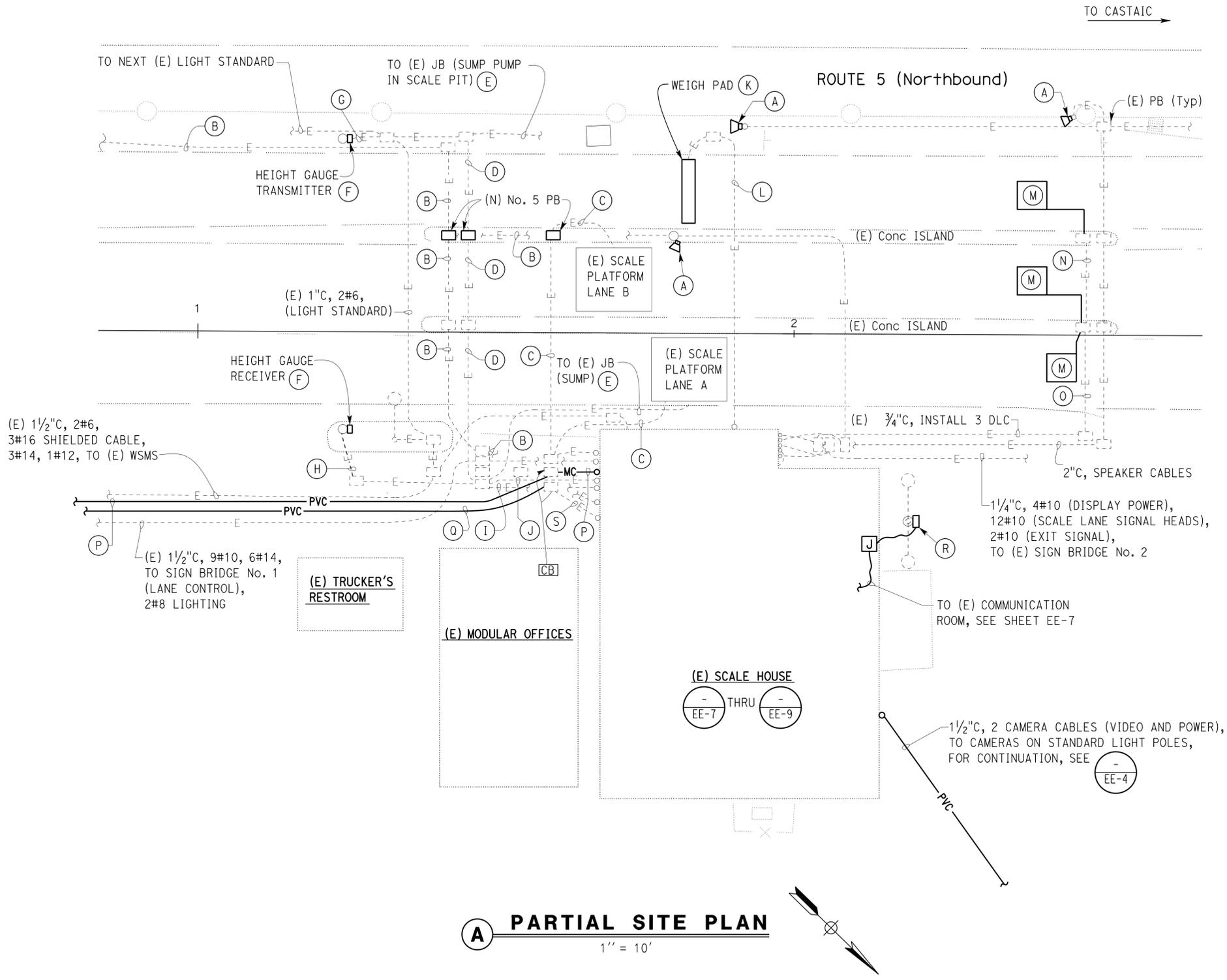
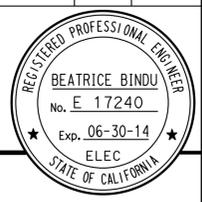
<i>Beatrice Bindu</i>		11-15-12
REGISTERED ELECTRICAL ENGINEER	DATE	

6-24-13
PLANS APPROVAL DATE

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Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 10-16-12



GENERAL NOTES:

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- Not all existing conduits and conductors are shown for clarity.
- The location of all conduit and pull boxes shown is approximate only. Actual location to be verified in the field. Identify each existing pull box with associated conduits.

KEYED NOTES:

- (A) Install new speaker on existing mast arm at same location with new brackets.
- (B) Install Camera Cable in existing conduit.
- (C) Existing load cell cable.
- (D) Existing 2"C, install 2#10, 1#12G (Power for sump pump), 2#14 (Height gauge transmitter).
- (E) Existing 3/4"C, replace existing 2#10 wires with new 2#10, 1#12G, for sump pump in scale pit.
- (F) Install height gauge transmitter and receiver. Connect to new conductors as required, see wiring diagram for Height Gauge Panel, sheet EE-14.
- (G) Existing 3/4"C, install 2#12, 1#12G for height gauge transmitter.
- (H) Existing 3/4"C, install 2#12, 1#12G to Height Gauge Receiver.
- (I) Existing 3/4"C, install 4#12, 2#12 (SPARE), 1#12G to Height Gauge Panel in Control Room.
- (J) Existing 1"C, install 4#10, 1#12G for sump pump in scale pits.
- (K) Install new weigh pad at same location. Patch and smoothen concrete around the pad to match surrounding, and per weigh pad manufacturer's recommendations.
- (L) Existing 1"C, install new interconnecting cable for weigh pad and connect to weigh scale as required over counter inside Control Room.
- (M) Install loop detector.
- (N) Existing 2"C, install 1 Loop detector lead-in cable.
- (O) Existing 2"C, install 3 Loop detector lead-in cables.
- (P) 1/2"C, 2#6 (240 V), 5#10, 2#10 spare, 1#6G from new WSMS to control console and existing Panel M.
- (Q) 1/2"C, 2 camera cables.
- (R) Reinstall wireless antenna on existing bracket. Provide new coaxial cable to Communication Room.
- (S) Install 2 camera cables in existing conduit.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

A PARTIAL SITE PLAN
1" = 10'

TAEMWW Imperial Rev. 7/10	DESIGN BY Tech Ngov	CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-6
	DETAILS BY Andreasen/Ngov	CHECKED Tech Ngov		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		ENLARGED MODIFIED PARTIAL SITE PLAN
	QUANTITIES BY Tech Ngov	CHECKED Beatrice Bindu		UNIT PROJECT NUMBER & PHASE 3597 07000201971	EA 278801		DISREGARD PRINTS BEARING EARLIER REVISION DATES

30-JUL-2013 09:43 ee_06.dgn

KEYED NOTES:

- (A) Existing Panel L is Zinsco Catalog No. AG746455, 120/240 V, 1-phase, 3-wire, 32-circuits. Modify the branch circuit connections as shown on panel schedule, sheet EE-17.
- (B) 1/2"C, remove thermostat and cable.
- (C) There are (4) 1/2"C (For telephone and power), originating from two junction boxes at the corner through the open hole in ceiling, to feed equipment on the scale counter. Remove and install new conduits concealed in new ceiling.
- (D) For details of work to be done, see (A) EE-10.
- (E) See General Note 2.
- (F) 1/2"C, 1 thermostat cable, to A/C unit on roof.

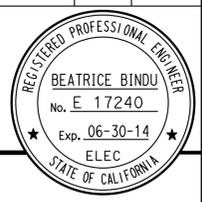
- (G) For continuation, see (E) EE-9.
- (H) Remove existing Loadcenter. Install new 12-circuit Panel E with 50 A, 2-pole circuit breaker as main. For wiring, see panel schedule, sheet EE-17. This new Panel E is fed from existing transfer switch. Fix the wooden wall panel as required to suit the new recessed Panel E.
- (I) For work done at the Scale Room, see (E) EE-10.
- (J) Remove existing water heater, see Mechanical sheets.

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: FRANCIS SOLICH
 Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	69	79

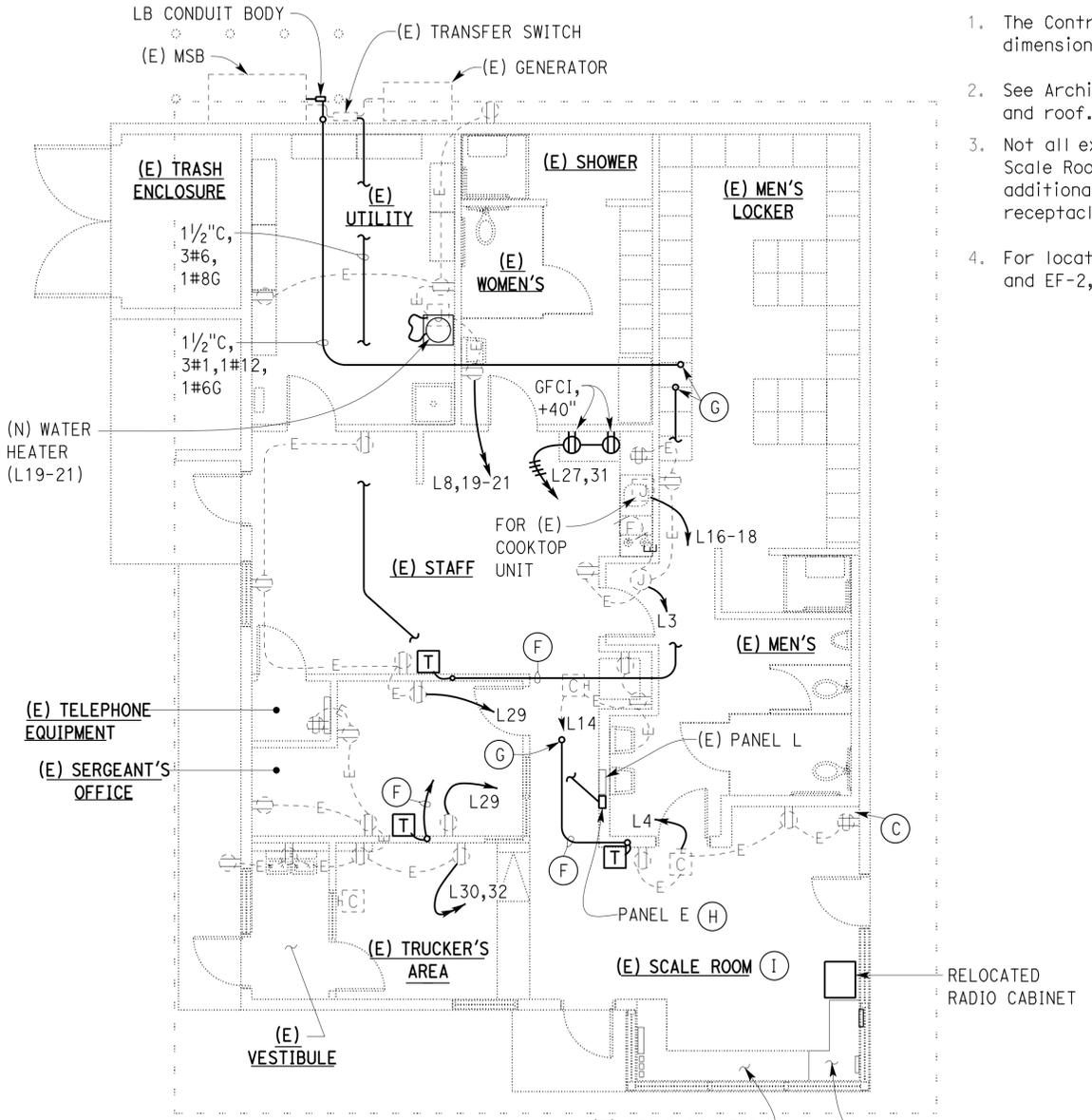
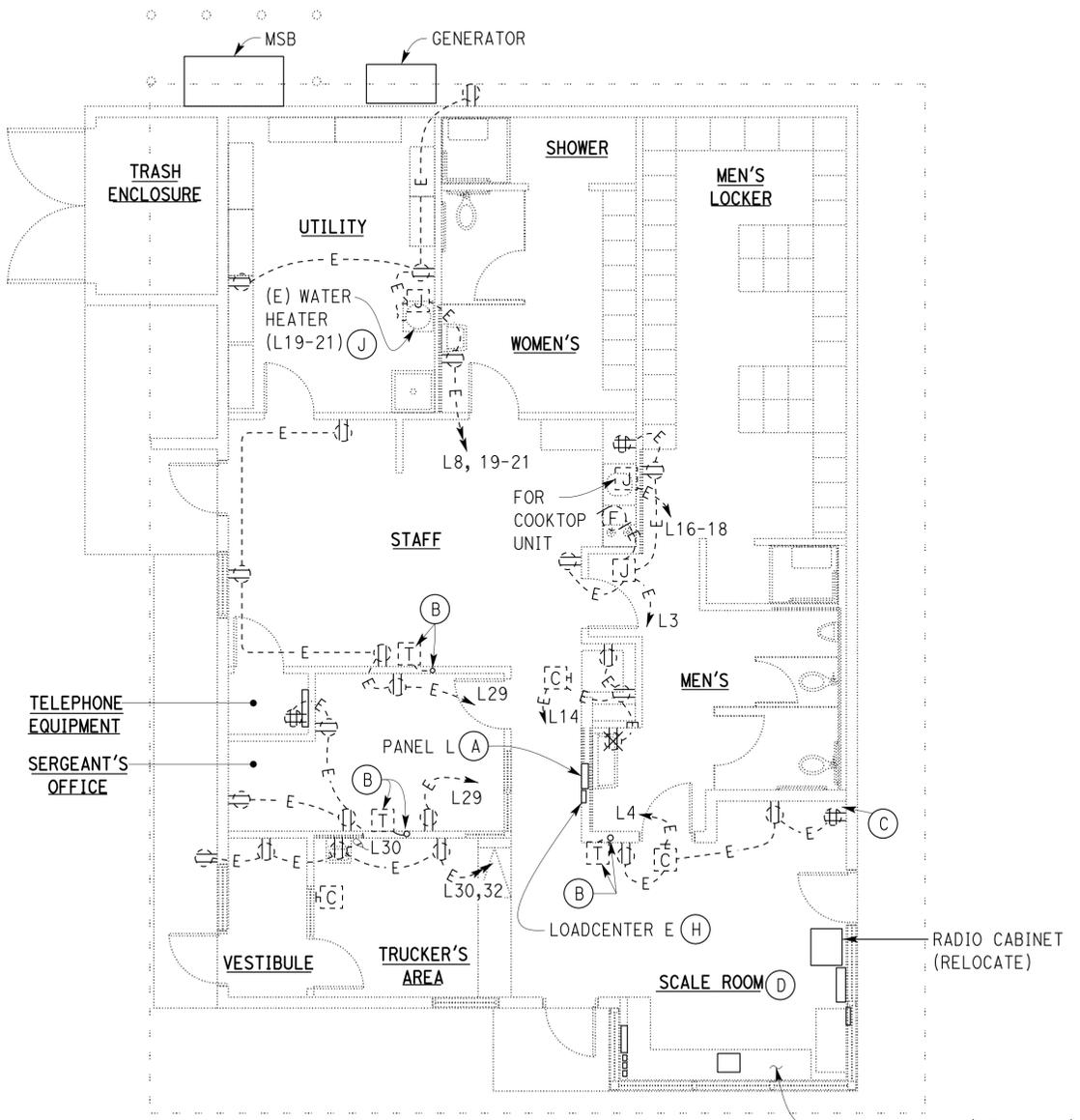
REGISTERED ELECTRICAL ENGINEER	DATE
6-24-13	11-15-12
PLANS APPROVAL DATE	

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GENERAL NOTES:

1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
2. See Architectural plans for removal of ceiling and roof.
3. Not all existing receptacles are shown in the Scale Room. Refer to Panel L panel schedule for additional circuits feeding the undercounter receptacles.
4. For location and connection of exhaust fans EF-1 and EF-2, see sheet EE-8.



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS		SHEET EE-7							
				EXISTING AND MODIFIED SCALE HOUSE POWER PLAN									
DETAILS BY Kathi Andreasen CHECKED Tech Ngov	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF						
QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	EA 278801			2/1/11	2/15/11	3/8/11	5/12/11	9/27/11	12/2/11	1/6/12	8/24/12	11/15/12	

24-JUN-2013 14:01 ee_07.dgn

KEYED NOTES:

- (A) Remove all interior light fixtures and associated conduit interconnected or home runs, except as otherwise noted. Remove existing conductors, and abandon concealed conduits in wall. Remove light switches and associated conductors. Install blank cover over outlet box as required.
- (B) All new fluorescent light fixtures shown shall be ceiling mounted.
- (C) Wall mounted at 7'-0" from finish floor.

LIGHTING FIXTURE SCHEDULE

TYPE	MANUFACTURER	LAMPS	DESCRIPTION
H1	LIGHTING STANDARD, TYPE 15	HPS 250-WATT	POLE AND FOUNDATION. SEE STANDARD PLANS SHEET ES-6A.
MH1	LITHONIA, WALLPAK SERIES TWP, DAY-BRIGHT WLM SERIES, OR EQUAL	(1) 70-WATT METAL HALIDE	OUTDOOR, WALL-MOUNTED FIXTURE, WITH DIE CAST ALUMINUM HOUSING, GLASS REFLECTOR, (1) 70-WATT METAL HALIDE, UL LISTED FOR WET LOCATIONS.
F1	LITHONIA VRI SERIES, DAY-BRIGHT VD SERIES, OR EQUAL	(1) 86-WATT HO T8	8' HIGH-ABUSE, WET LOCATION INDUSTRIALS, HIGH IMPACT ACRYLIC LENS, FIBERGLASS REINFORCED POLYESTER HOUSING, HEAVY DUTY FOR PUBLIC AREA.
F2	LITHONIA LB SERIES, DAY-BRIGHT SW SERIES, OR EQUAL	(2) 32-WATT T8	LOW PROFILE, WITH ACRYLIC PRISMATIC DIFFUSER, WRAPAROUND FLUORESCENT FIXTURE, (2) 32-WATT, T8 LAMPS, 120-VOLT, ELECTRONIC BALLAST, WITH END PLATES.
F3	GOTHAM DOWNLIGHTING AFVW SERIES, OR EQUAL	18DDT (TWIN TUBE)	OPEN WALLWASH VERTICAL LAMP, 18 DDT FLUORESCENT LAMP, 8" APERTURE, 16-GAUGE STEEL HOUSING, RECESSED MOUNTED, SUITABLE FOR DAMP LOCATION.
MH1	LITHONIA, WALLPAK SERIES TWP, DAY-BRIGHT WLM SERIES, OR EQUAL	(1) 150-WATT	POLE AND FOUNDATION. SEE STANDARD PLANS SHEET ES-6A.
H2	HOLOPHANE, SERIES PARK PACK, DAY BRITE SERIES CL1 OR EQUAL	(1) 175-WATT METAL HALIDE	OUTDOOR SURFACE MOUNTED FIXTURE LISTED FOR WET LOCATIONS WITH INTEGRAL BALLAST.

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	70	79


 REGISTERED ELECTRICAL ENGINEER
 DATE 11-15-12
 Exp. 06-30-14
 ELEC
 STATE OF CALIFORNIA

6-24-13
 PLANS APPROVAL DATE
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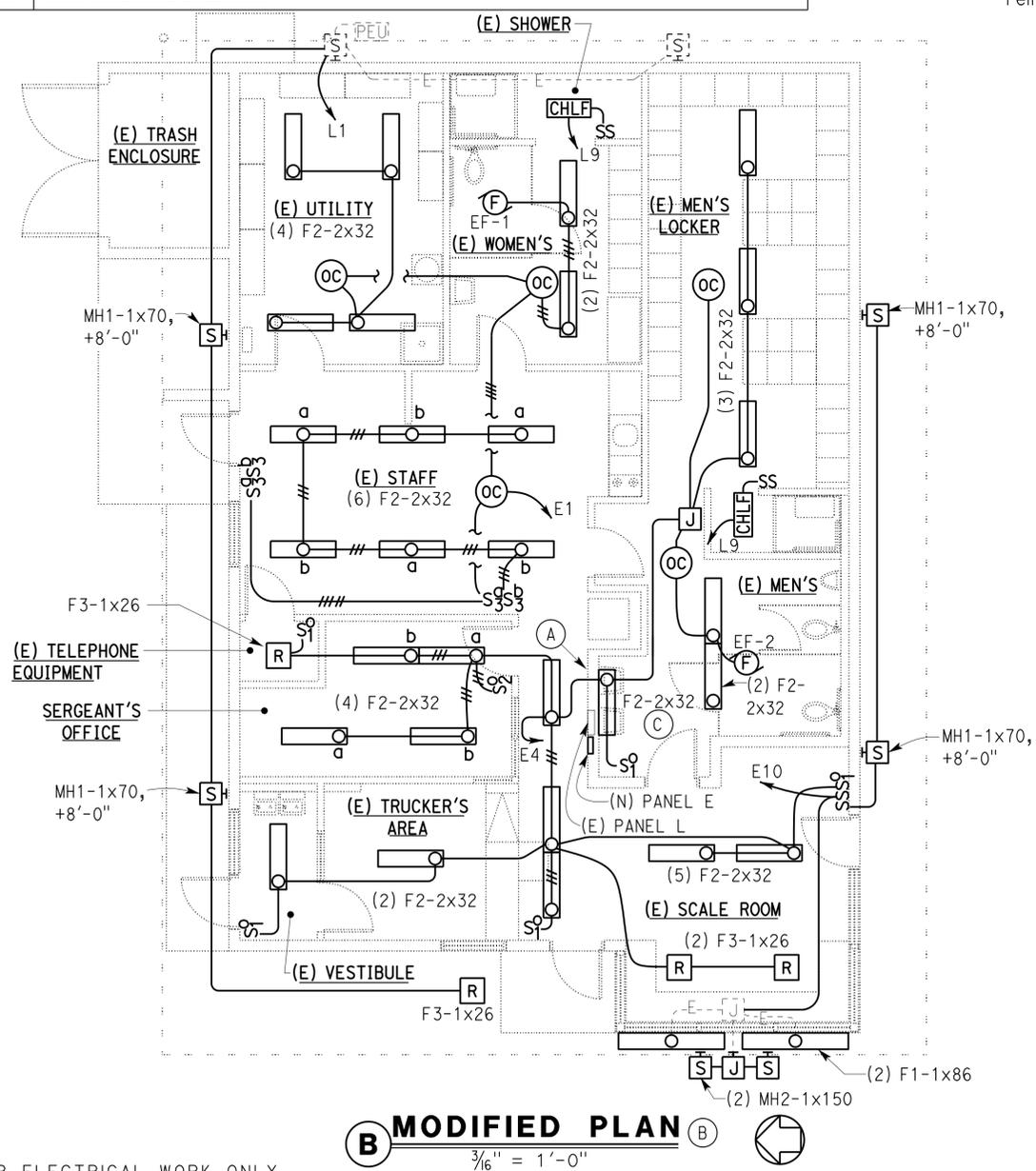
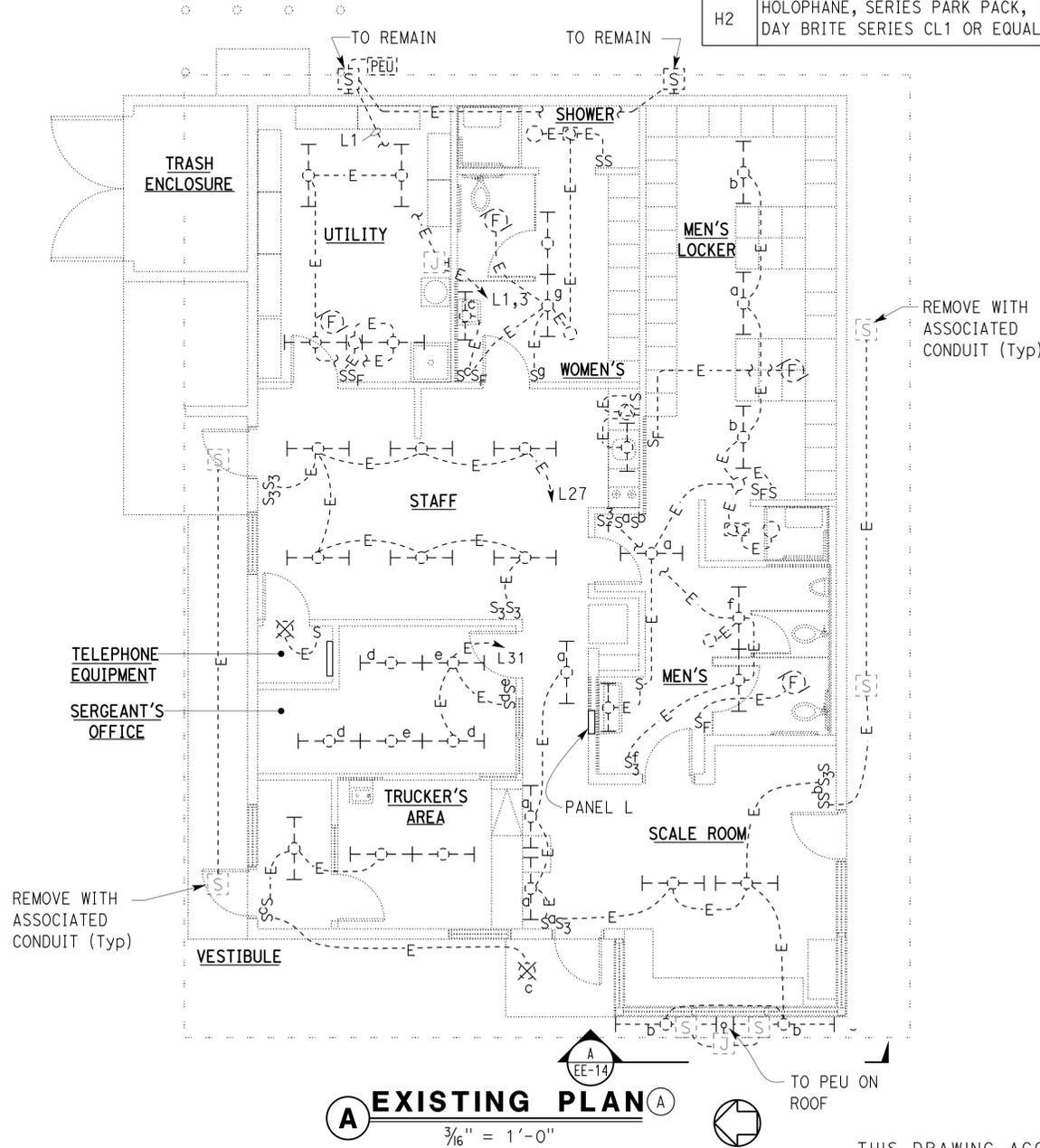
GENERAL NOTES:

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- The existing roof and ceiling are to be removed, see Architectural sheets.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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

Reviewed by: 
 FRANCIS SOLICH
 Approval date: 10-16-12



THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Andreasen/Ngov CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS EXISTING AND MODIFIED SCALE HOUSE LIGHTING PLAN	SHEET EE-8 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 2/1/11 2/16/11 3/8/11 9/27/11 12/21/11 1/6/12 8/24/12 11/15/12	SHEET OF
	TAEWW Imperial Rev. 7/10	EA 278801	ee_08.dgn	24-JUN-2013 13:33	SHEET OF

KEYED NOTES:

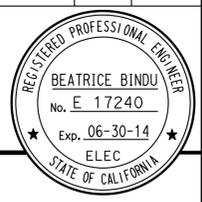
- (A) Remove conduits and conductors.
- (B) Disconnect switches are mounted under a 6" x 6" gutter. Remove gutter, disconnect and associated conduits.
- (C) Replace conduit and cable with new by rerouting conduit and cable, in space between roof and ceiling.
- (D) Remove conduit and conductors. Install new 1 1/4"C, 3#6, 1#6G to feed the same load in space below roof, see sheet EE-7.
- (E) 3/4"C, control conductors as required to thermostat. For continuation, see sheet EE-7. Coordinate with heat pump unit supplier for exact location of stub-up conduit.
- (F) Existing radio antenna post (Approximately 15'-0"), with bottom anchored to concrete floor and secured to roof fascia. Temporarily secure antenna using guy wires while the roof is removed. Secure the post to roof after the roof is built.
- (G) Radio antenna (Approximately 10'-0"), secured to roof fascia. Remove temporarily and reinstall after roof is built.
- (H) The PEU controls the exterior wall front lights. Relocate the PEU to inside the parapet wall and install new conduit concealed to existing junction box, see Modified Plan and also sheet EE-14.
- (I) 1 1/2"C, 3#6, 1#8G.

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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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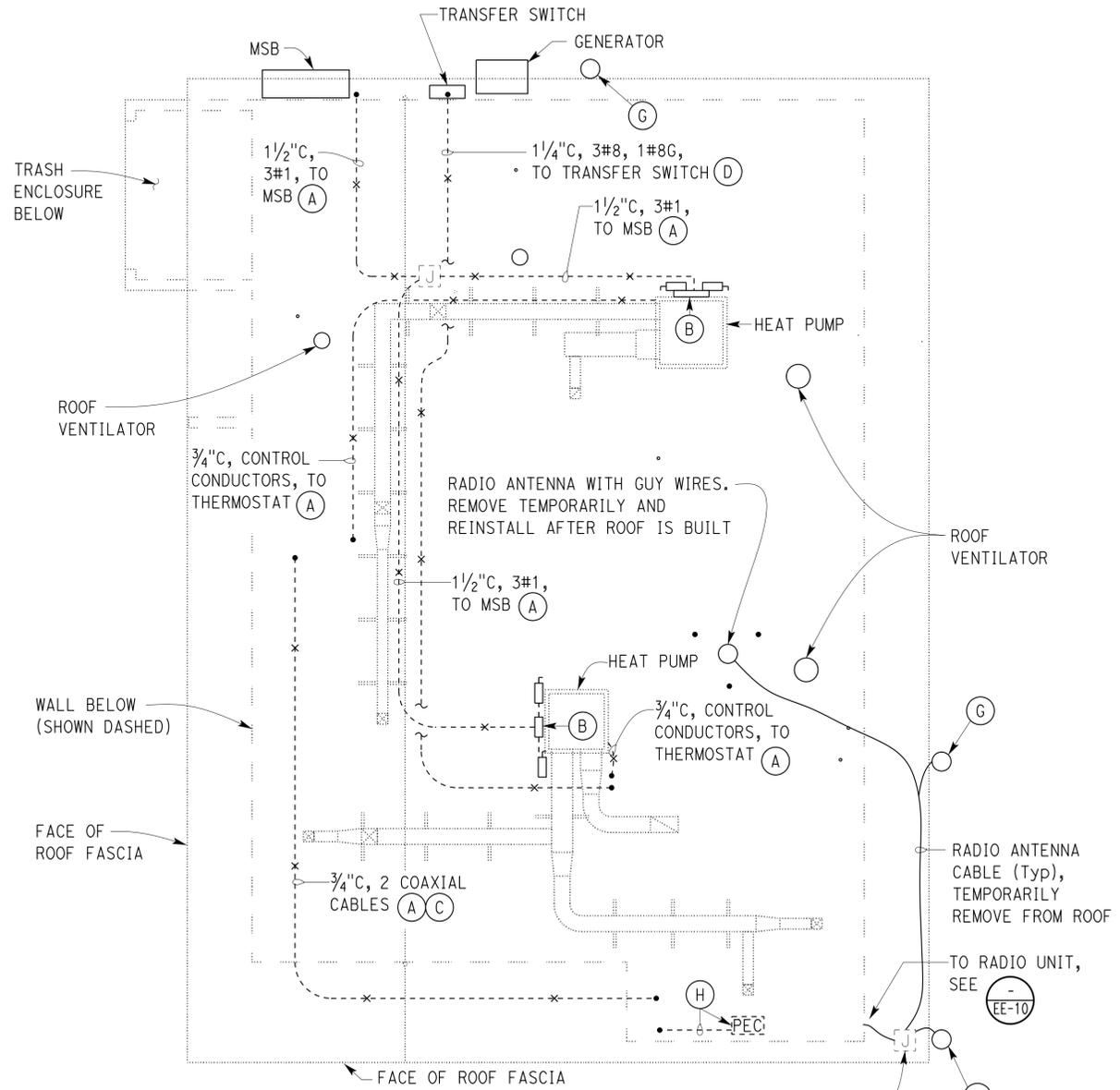
6-24-13
 PLANS APPROVAL DATE

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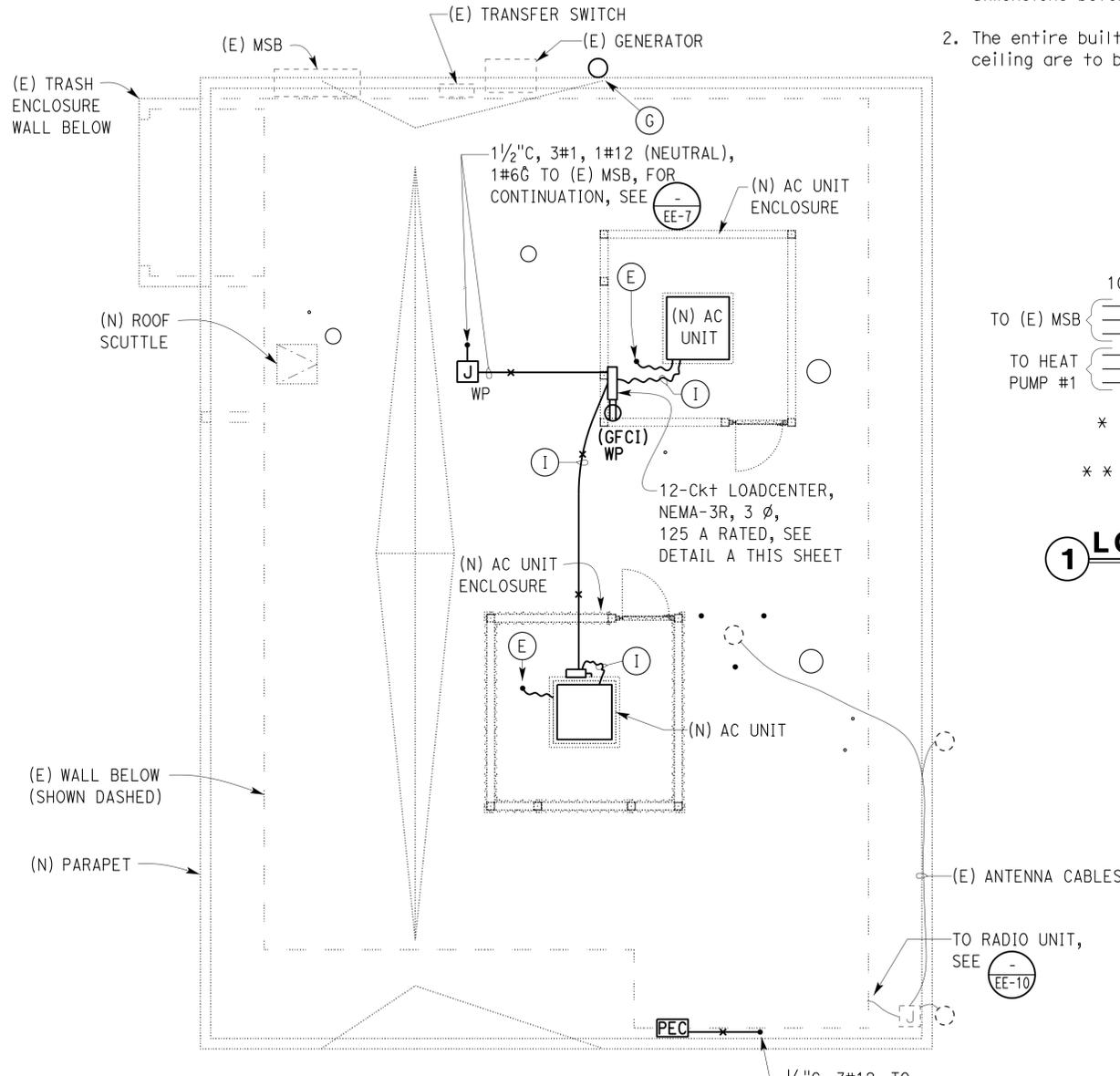
GENERAL NOTES:

- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- The entire built-up roofing, plywood sheathing, and ceiling are to be removed. See Architectural plans.

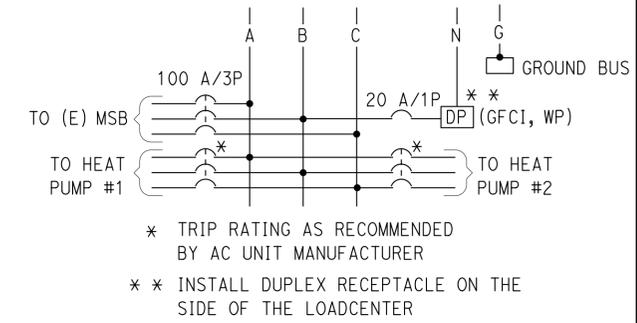


A EXISTING PLAN
 3/16" = 1'-0"

12" x 12" x 8" JB ON SOFFIT OF EAVE. REMOVE TEMPORARILY AND REINSTALL AFTER ROOF IS BUILT



B MODIFIED PLAN
 3/16" = 1'-0"



1 LOADCENTER DETAIL

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DESIGN	BY Tech Ngov	CHECKED Beatrice Bindu
DETAILS	BY Andreasen/Ngov	CHECKED Tech Ngov
QUANTITIES	BY Tech Ngov	CHECKED Beatrice Bindu

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

BRIDGE No. 53W0001R
 POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
 EXISTING AND MODIFIED SCALE HOUSE ROOF PLAN

SHEET EE-9

TAEMWW Imperial Rev. 7/10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT PROJECT NUMBER & PHASE 3597 07000201971

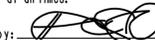
DISREGARD PRINTS BEARING EARLIER REVISION DATES

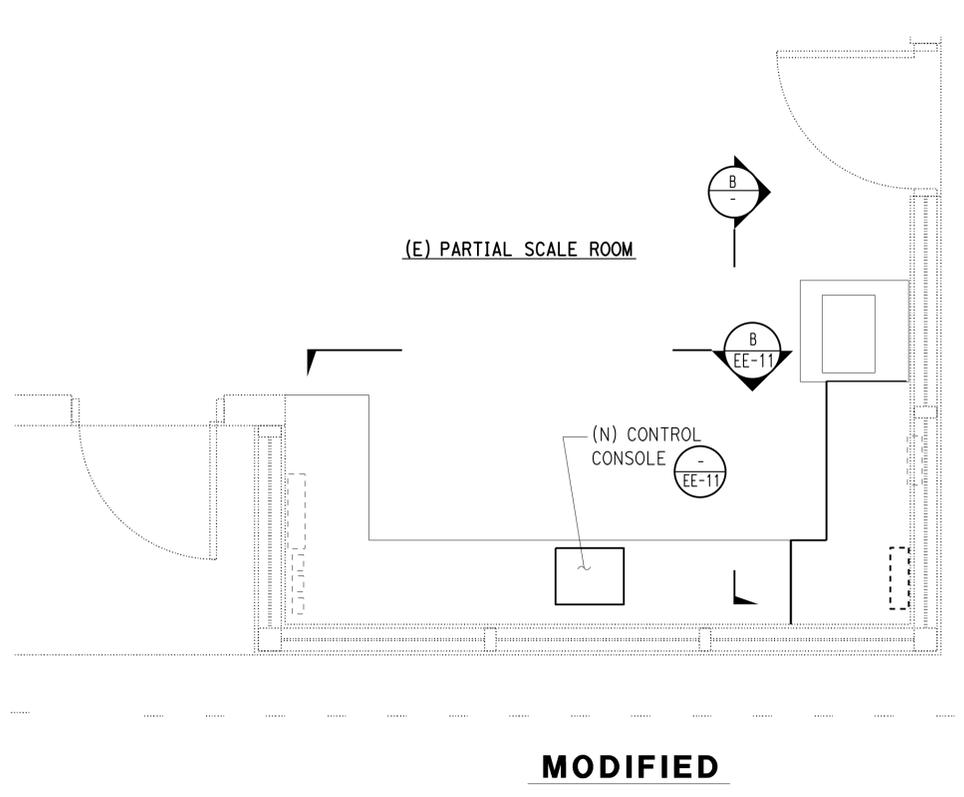
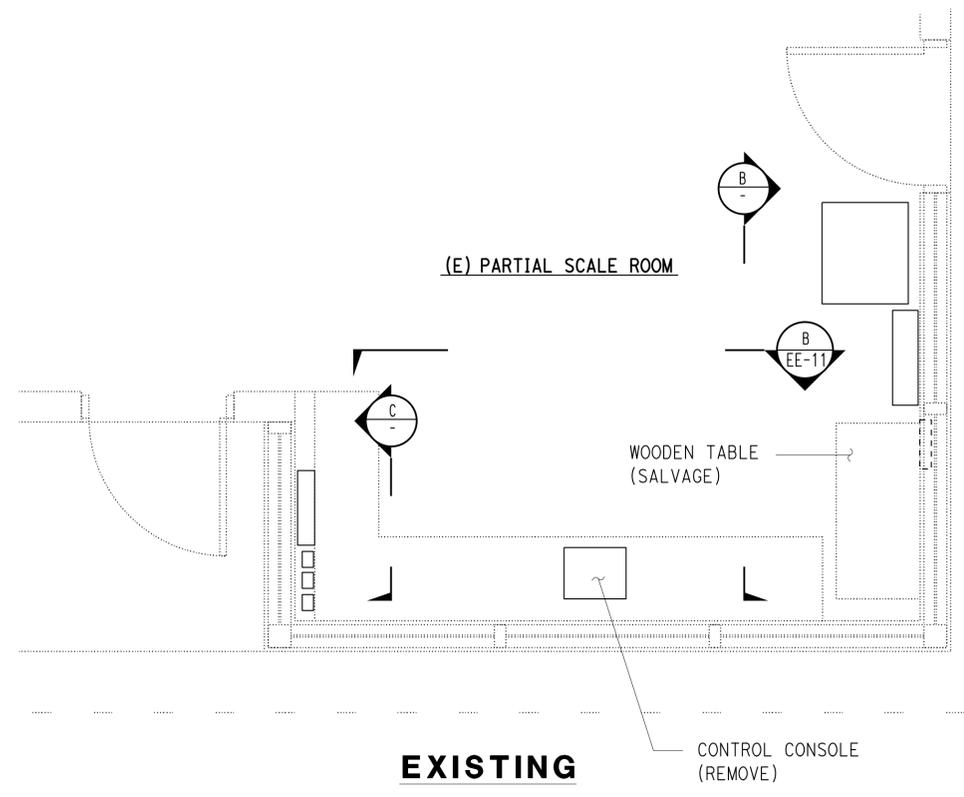
REVISION DATES (PRELIMINARY STAGE ONLY)									
2/7/11	2/7/11	3/7/11	5/7/11	9/27/11	12/21/11	1/6/12	8/24/12	11/15/12	

SHEET OF

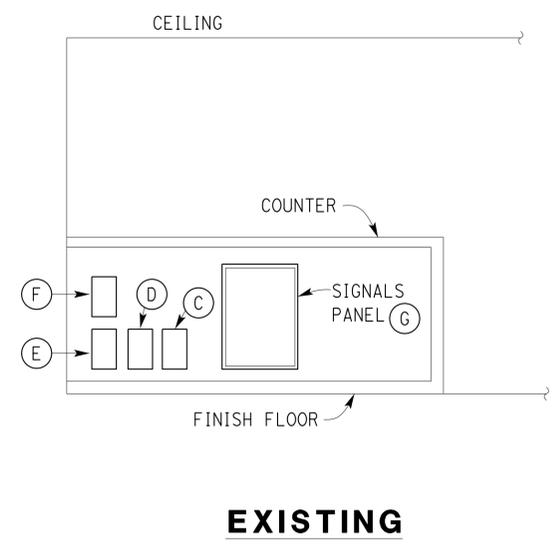
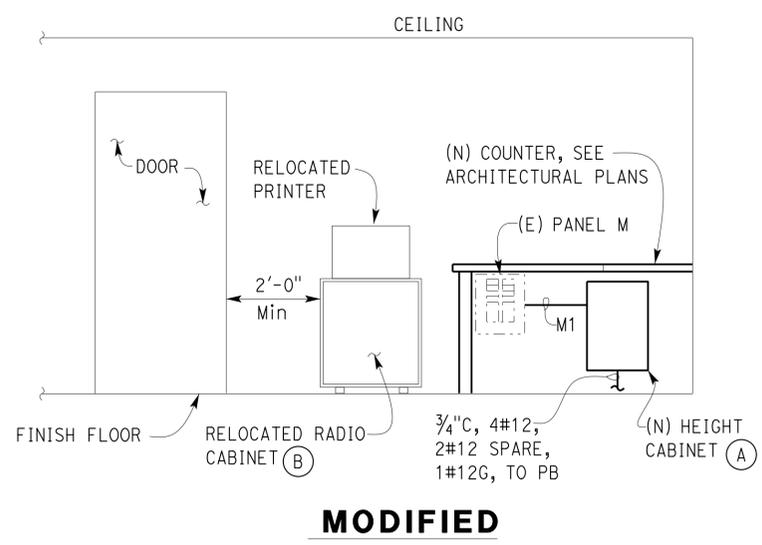
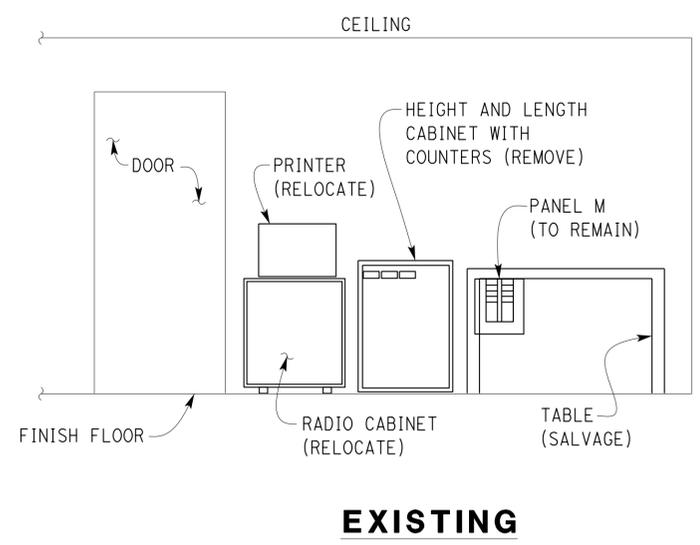
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DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	72	79
 REGISTERED ELECTRICAL ENGINEER			11-15-12 DATE		
6-24-13 PLANS APPROVAL DATE					
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CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: 
FRANCIS SOLICH
 Approval date: 10-16-12



(A) PARTIAL PLAN
 $\frac{1}{2}'' = 1'-0''$



GENERAL NOTE:

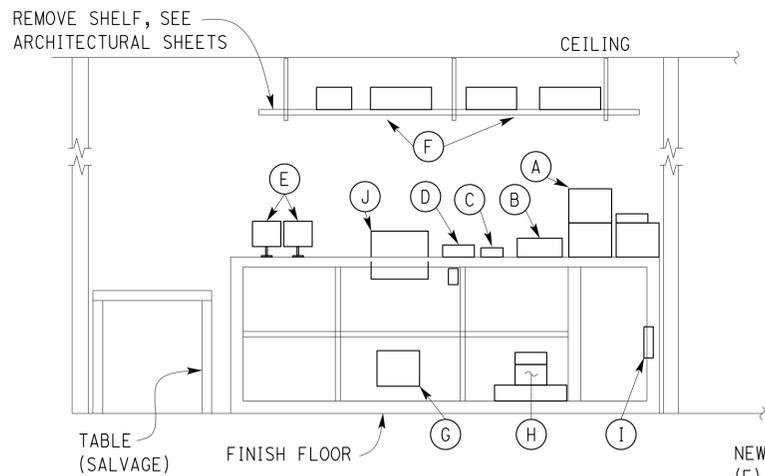
- The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

KEYED NOTES:

- Connect new conductors from height gauge transmitters, see "Enlarged Modified Partial Site Plan", sheet EE-6. For wiring of the Height Gauge Cabinet see "Height Gauge Panel Schematic Diagram", sheet EE-14.
- Reroute the radio cable from the antennas on roof, to accommodate the new location of the radio unit.
- Detector loops junction box. Connect Loop Detector Lead-In Cable to Signals Panel as required, see sheet EE-6.
- Weigh display junction box, see sheet EE-6 for conductors to weigh display at Sign Bridge #2. Reroute the cable to the weigh unit over the counter.
- PA system junction box. PA cables, see sheet EE-6. Connect cables to PA system amplifier on new shelf, above the counter as required.
- TV camera junction box. Connect camera cables to the controller/sequencer as required. See sheets EE-6, Site Plan, and EE-11 for "CCTV System Diagram".
- Identify wires connected to the console before removing. Replace loop detector modules, control relays, see "Wiring Diagram", sheet EE-13.

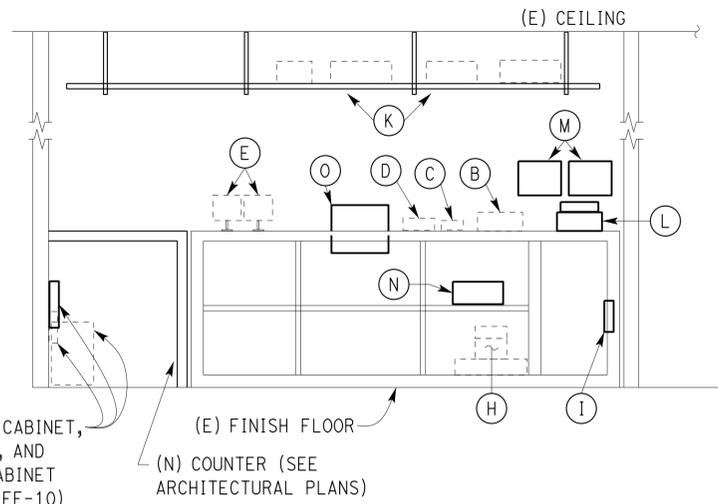
THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Andreasen/Ngov CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS SCALE ROOM AND COUNTER DETAILS No. 1	SHEET EE-10 OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3	UNIT PROJECT NUMBER & PHASE: 3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY): 9/27/11, 12/21/11, 1/24/12, 8/24/12, 11/15/12	SHEET OF
	TAEMWW Imperial Rev. 7/10	EA 278801	ea_10.dgn	24-JUN-2013 13:40	SHEET OF

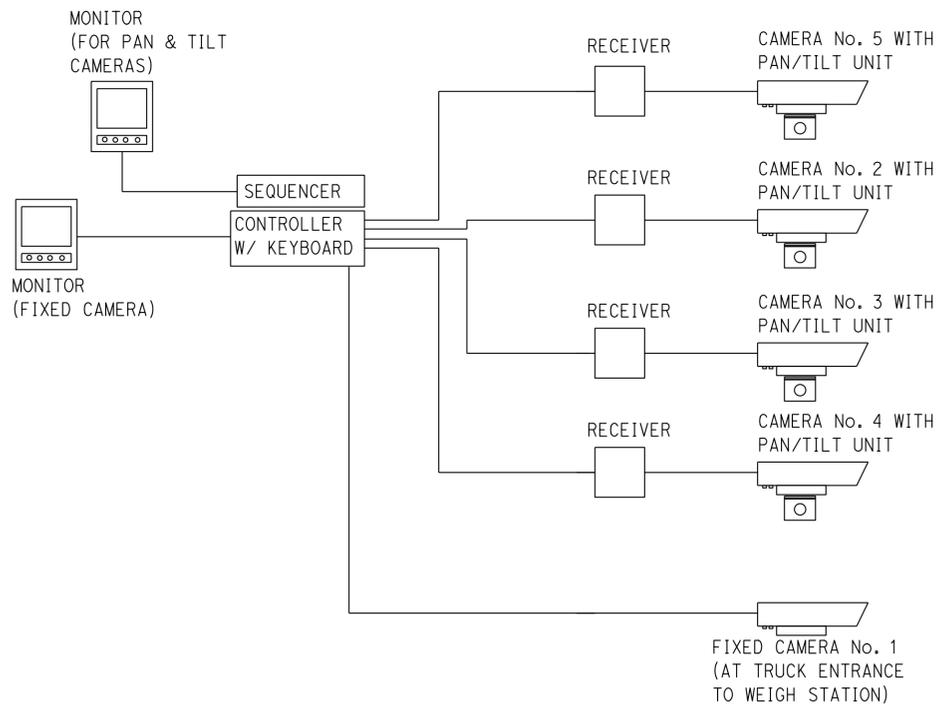


EXISTING

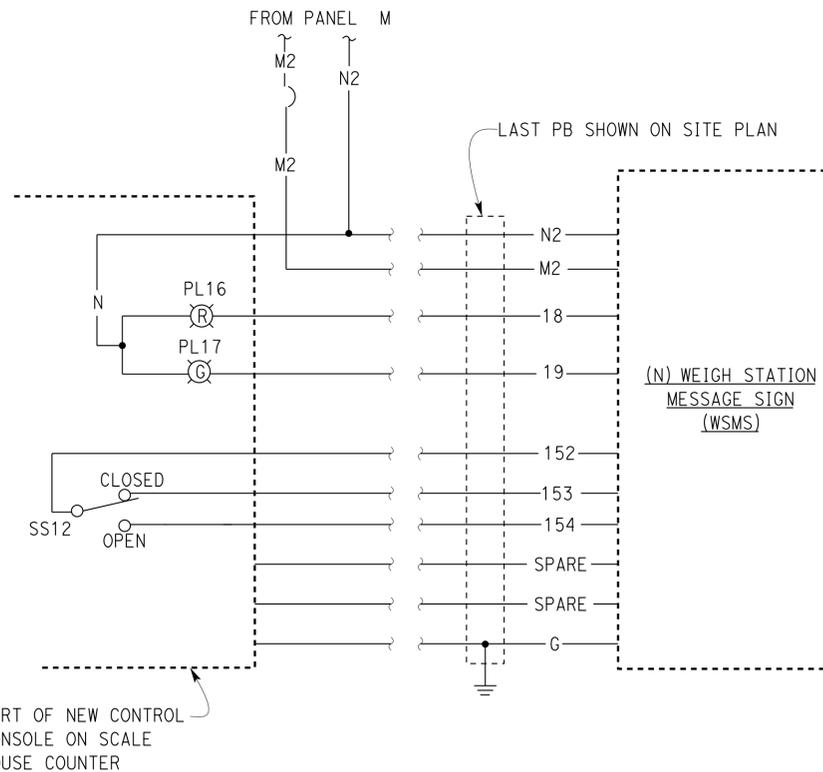
(B) ELEVATION
NO SCALE



MODIFIED



CCTV SYSTEM DIAGRAM
(POWER CONDUCTORS NOT SHOWN FOR CLARITY)



WSMS CONTROL SCHEMATIC DIAGRAM
(SEE MODIFIED PLANS FOR SIZE OF WIRES)

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Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	73	79

11-15-12 DATE

6-24-13 PLANS APPROVAL DATE

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GENERAL NOTE:

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

KEYED NOTES:

- (A) CRT monitors, remove, see Note (M).
- (B) PA system, to remain. Rewire with new installed PA speakers.
- (C) Telephone unit, to remain.
- (D) Weigh unit, to remain.
- (E) Flat screen monitor for weigh system, to remain.
- (F) Rewire with new installed PA speakers.
- (G) Mounting area for relays, terminal blocks related or connected to the console console. Remove and clean up the entangling wires.
- (H) Weigh system, to remain.
- (I) Signals panel, see sheet EE-10.
- (J) Control console, remove.
- (K) New shelf, see Architectural sheet. Reinstall PA system amplifiers with connection to new installed speakers.
- (L) Install new CCTV control unit with sequencer, see "Block Diagram", sheet EE-13.
- (M) New flat screen monitor.
- (N) New control module for in-motion weigh system. Connect to cable from the weigh pad, as required.
- (O) New control console, for details, see sheet EE-12.

THIS DRAWING ACCURATE FOR ELECTRICAL WORK ONLY.

DESIGN	BY Tech Ngov	CHECKED Beatrice Bindu
DETAILS	BY Andreasen/Ngov	CHECKED Tech Ngov
QUANTITIES	BY Tech Ngov	CHECKED Beatrice Bindu

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 53W0001R
POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
CONTROL ROOM AND COUNTER
DETAILS No. 2

SHEET EE-11 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	74	79

<i>Beatrice Bindu</i>		11-15-12
REGISTERED ELECTRICAL ENGINEER	DATE	

6-24-13
PLANS APPROVAL DATE

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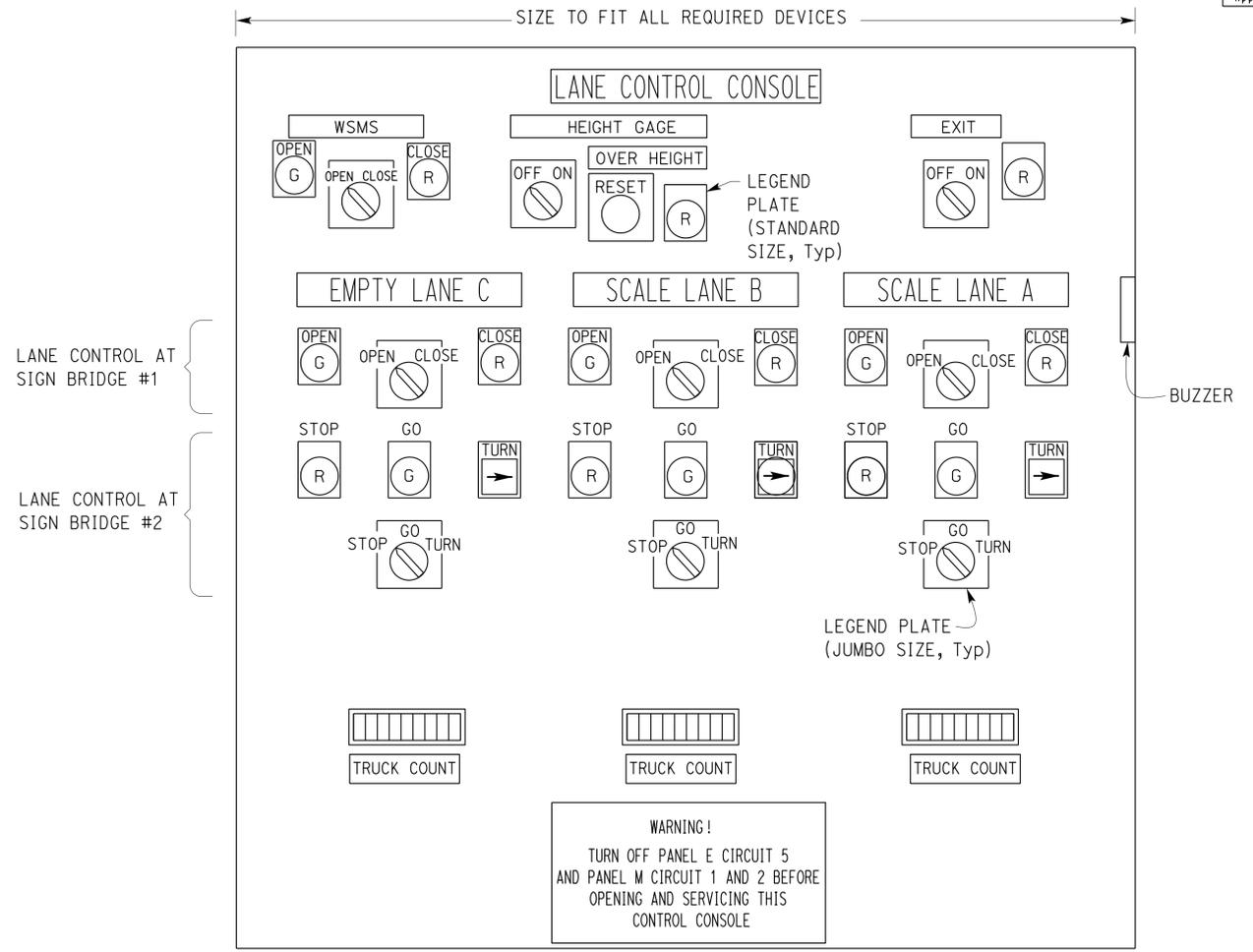
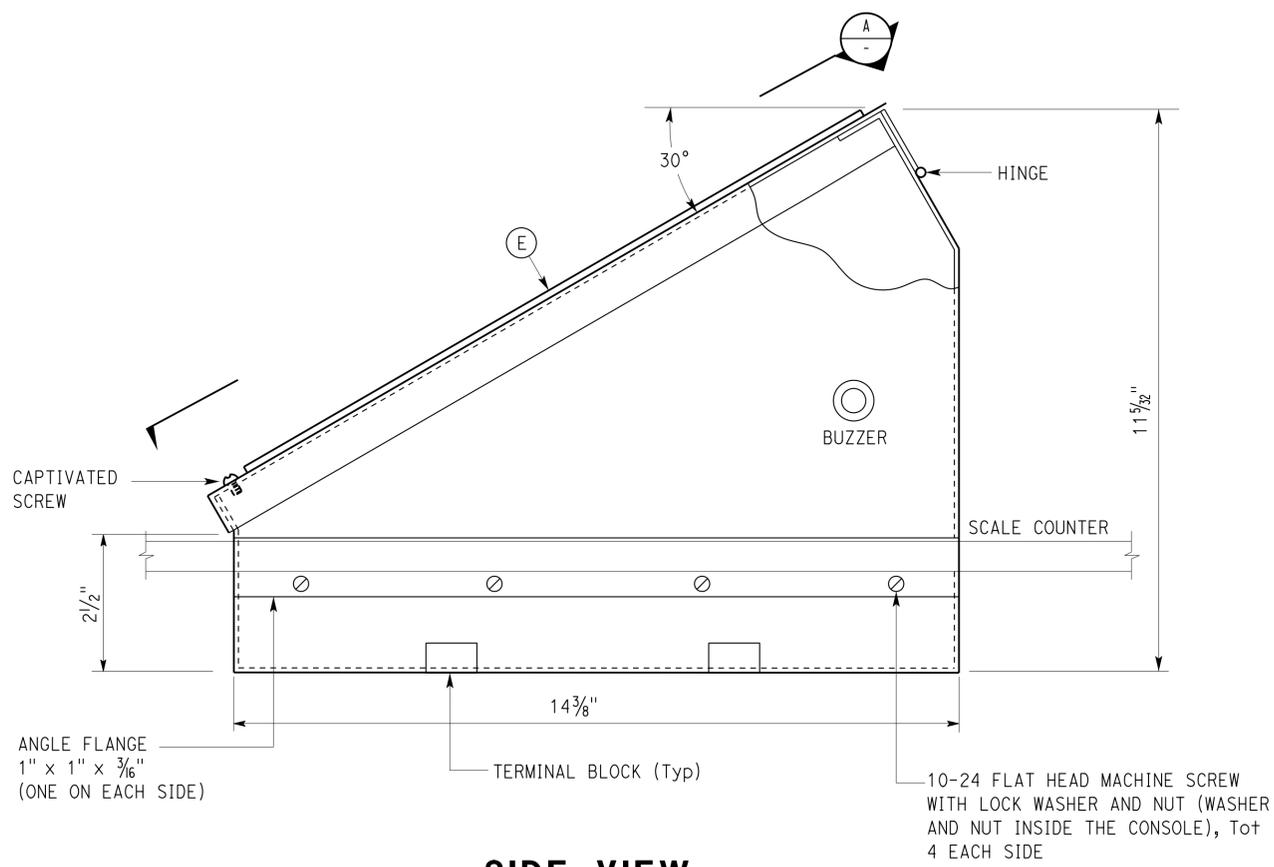


- GENERAL NOTES:
- All wires (Incoming and outgoing from console) shall be terminated at terminal block. No interconnection between the devices is allowed.
 - For wiring of the control console, see sheet EE-13.

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
 Approval date: 10-16-12



CONTROL CONSOLE

NO SCALE

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	DETAILS	BY	Kathi Andreasen	CHECKED						
QUANTITIES	BY	Tech Ngov	CHECKED	Beatrice Bindu	UNIT PROJECT NUMBER & PHASE	3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	

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

TAEMWW Imperial Rev. 7/10

EA 278801

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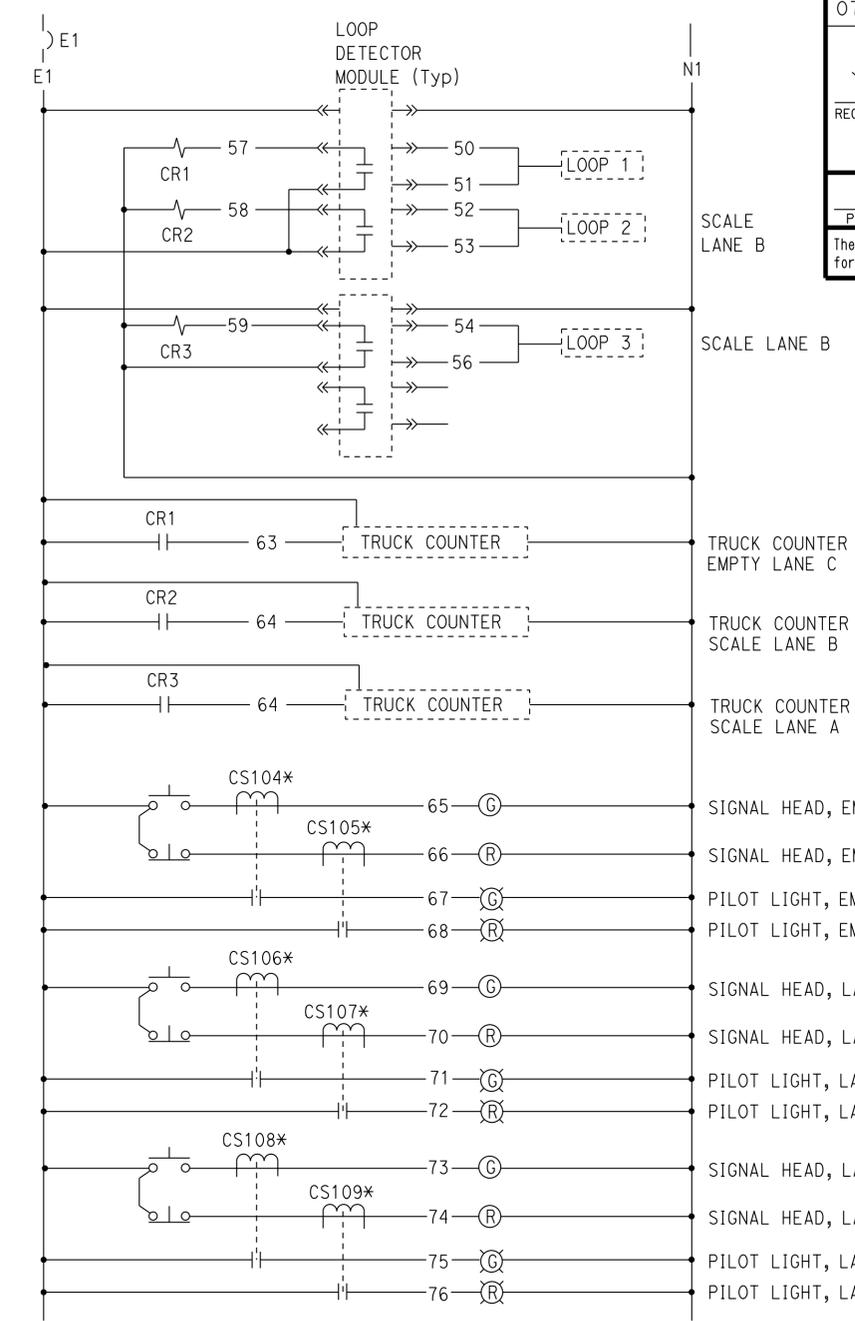
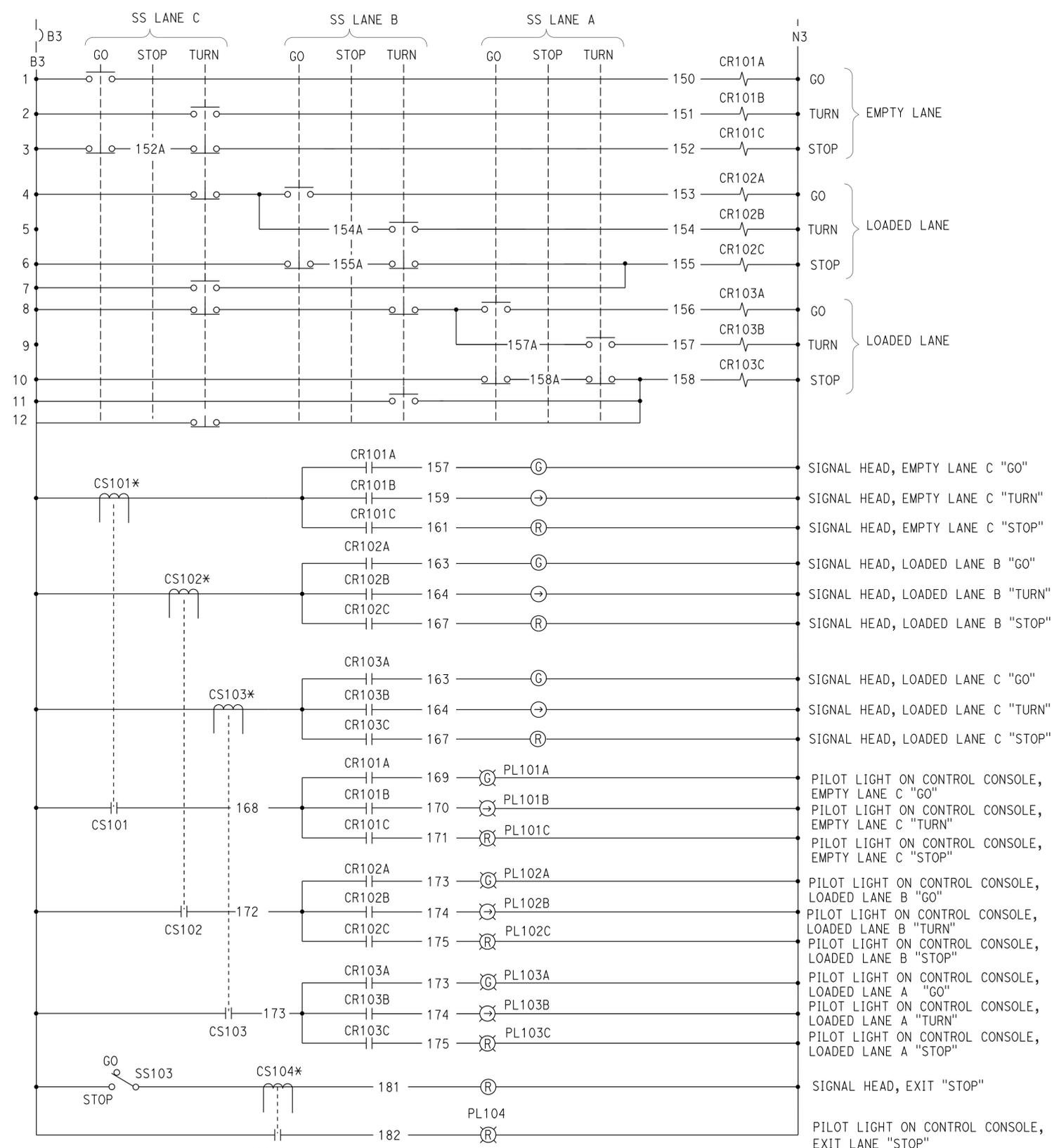
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	75	79



 REGISTERED ELECTRICAL ENGINEER DATE 11-15-12

PLANS APPROVAL DATE 6-24-13

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- GENERAL NOTES:
- All conductors either entering or leaving any enclosure or control panel shall terminate on labeled terminal blocks, which are installed within the same enclosure. Label terminal block the same nomenclature assigned to the identification of terminating conductor.
 - Conductors shall be arranged inside any enclosure or control panel so that any piece of apparatus may be removed without disconnecting any conductors, except the leads to that piece of apparatus.

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DESIGN BY Tech Ngov CHECKED Beatrice Bindu DETAILS BY Kathi Andreasen CHECKED Tech Ngov QUANTITIES BY Tech Ngov CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 53W0001R POST MILE	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-13
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3597 07000201971	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 3/31/11 5/12/11 6/29/11 9/27/11 12/21/11 1/6/12 8/29/12 11/15/12	SHEET OF
	TAEMWW Imperial Rev. 7/10	EA 278801	24-JUN-2013 13:33 ee_13.dgn		

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07	LA	5	R54.4/R54.8	76	79

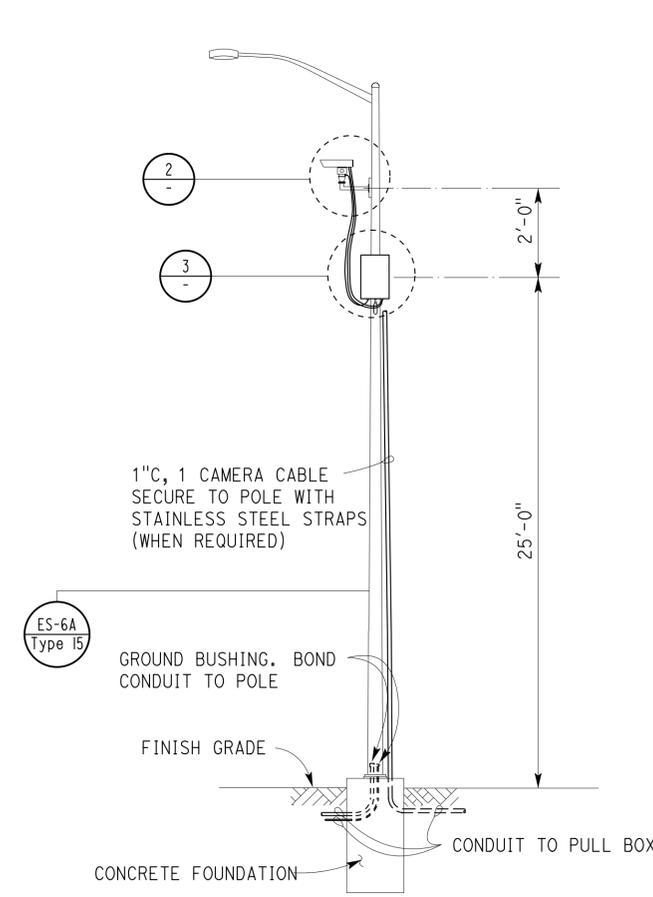
REGISTERED ELECTRICAL ENGINEER DATE 11-15-12

6-24-13 PLANS APPROVAL DATE

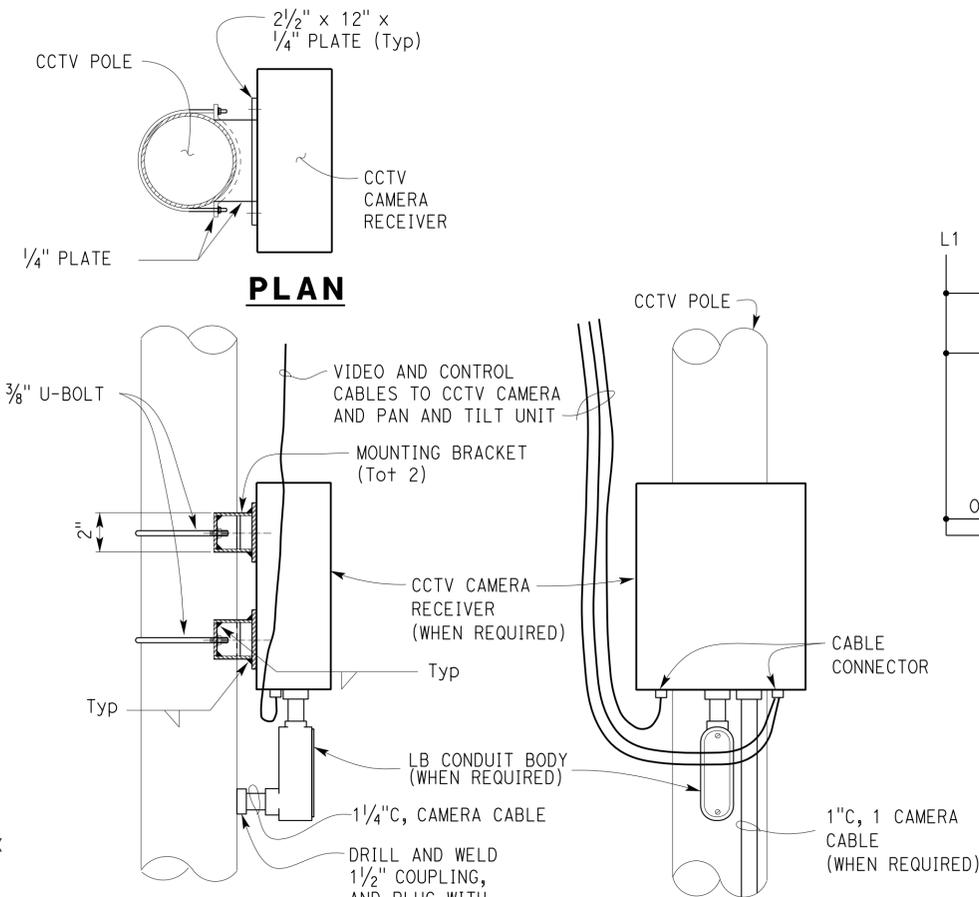
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GENERAL NOTE:
 1. The Contractor shall verify all controlling field dimensions before ordering or fabricating any material.

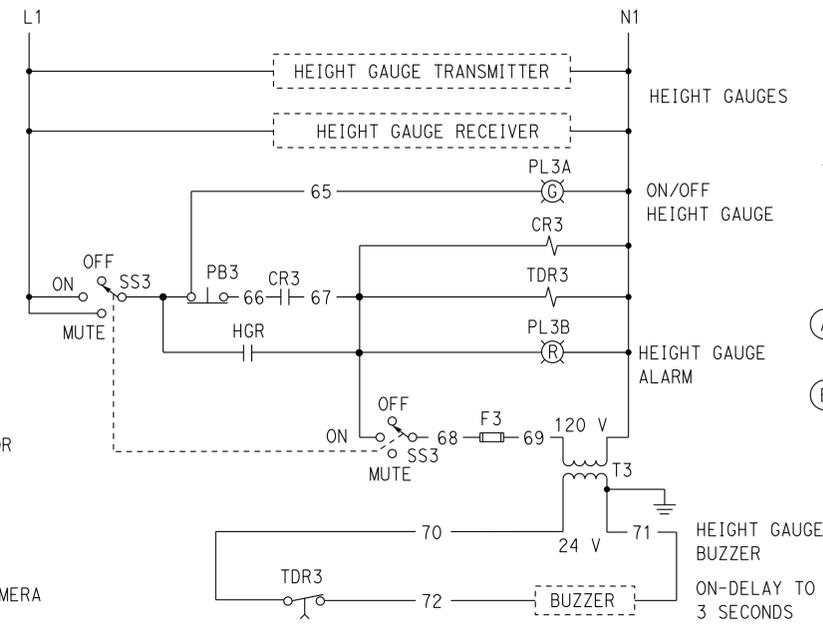
KEYED NOTES:
 (A) Install new F1-1x86, outdoor, weatherproof light fixtures at same location.
 (B) Install new MH2-1x150, total 2, at same location.



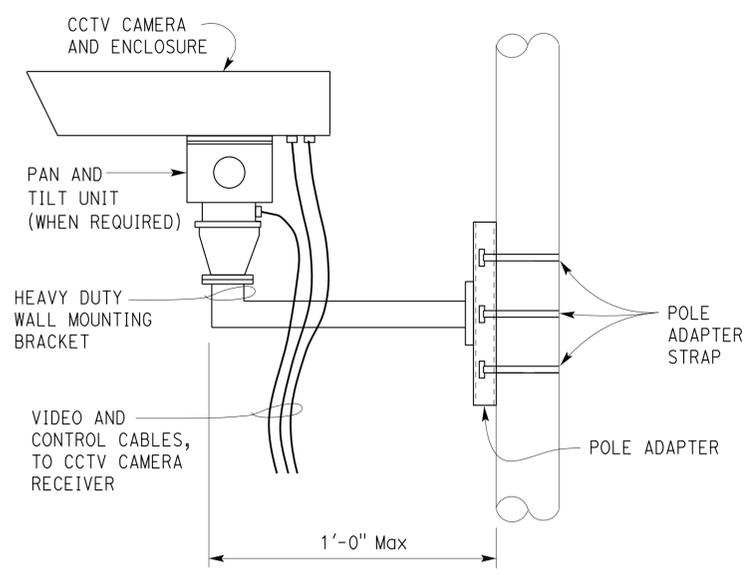
1 ELECTROLIER WITH CCTV CAMERA DETAIL
 NO SCALE



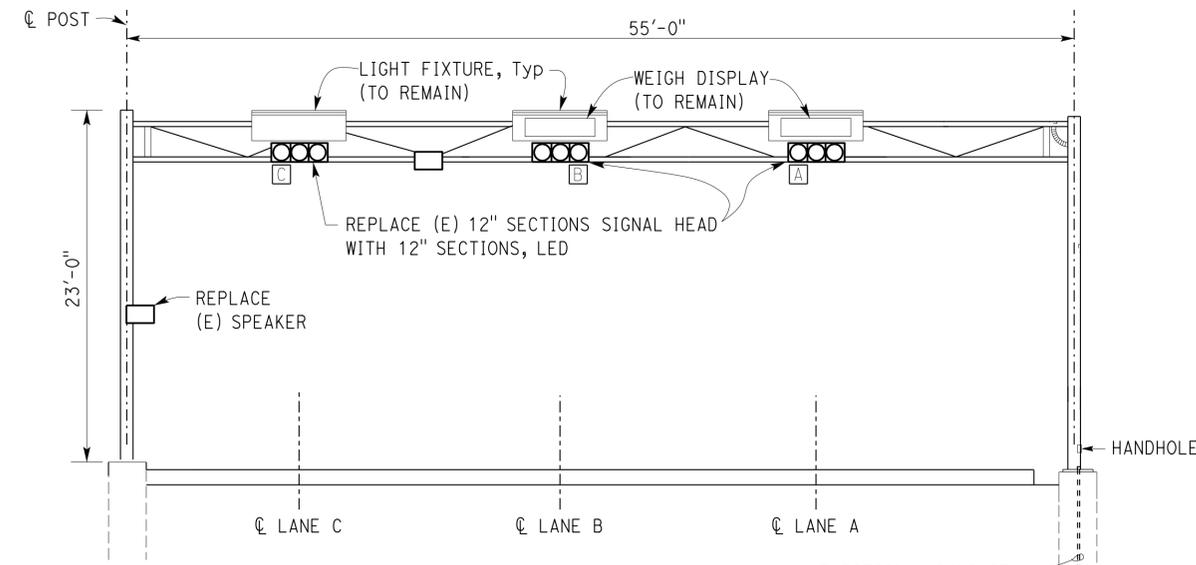
3 SIDE VIEW PAN AND TILT CCTV CAMERA RECEIVER MOUNTING DETAILS
 NO SCALE



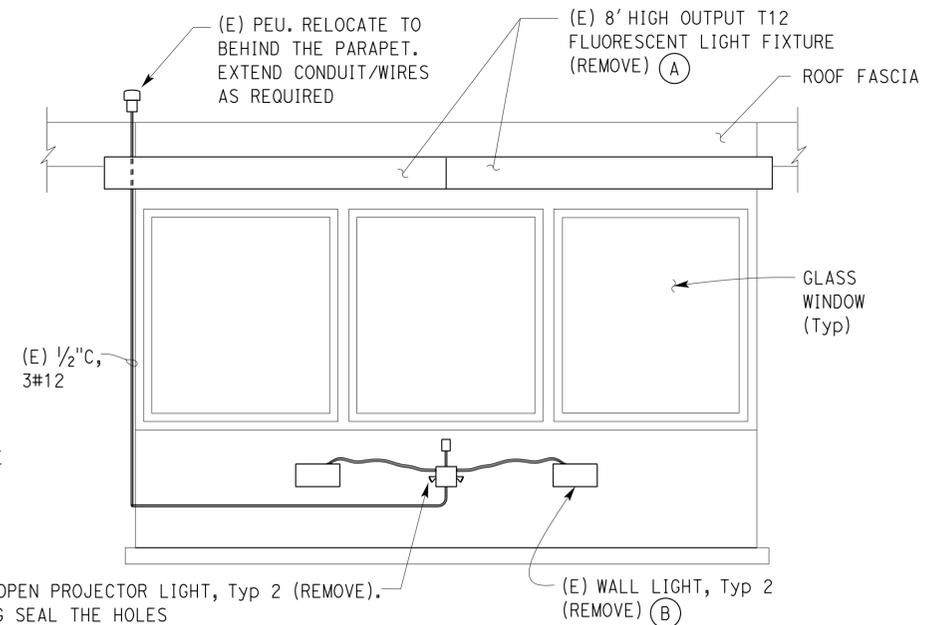
HEIGHT GAUGE PANEL SCHEMATIC DIAGRAM



2 CCTV CAMERA MOUNTING DETAILS
 NO SCALE



4 ELEVATION SIGN BRIDGE #2
 NO SCALE



A ELEVATION
 NO SCALE

DESIGN BY Tech Ngov	CHECKED Beatrice Bindu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-14
DETAILS BY Andreasen/Ngiov	CHECKED Tech Ngov		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		MISCELLANEOUS DETAILS
QUANTITIES BY Tech Ngov	CHECKED Beatrice Bindu		UNIT PROJECT NUMBER & PHASE 3597 07000201971	EA 278801		DISREGARD PRINTS BEARING EARLIER REVISION DATES

TAEMWW Imperial Rev. 7/10 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3 UNIT PROJECT NUMBER & PHASE 3597 07000201971 EA 278801

REVISION DATES (PRELIMINARY STAGE ONLY): 3/31/11, 5/12/11, 9/27/11, 12/21/11, 1/8/12, 8/24/12, 11/15/12

24-JUN-2013 13:15 ee_14.dgn

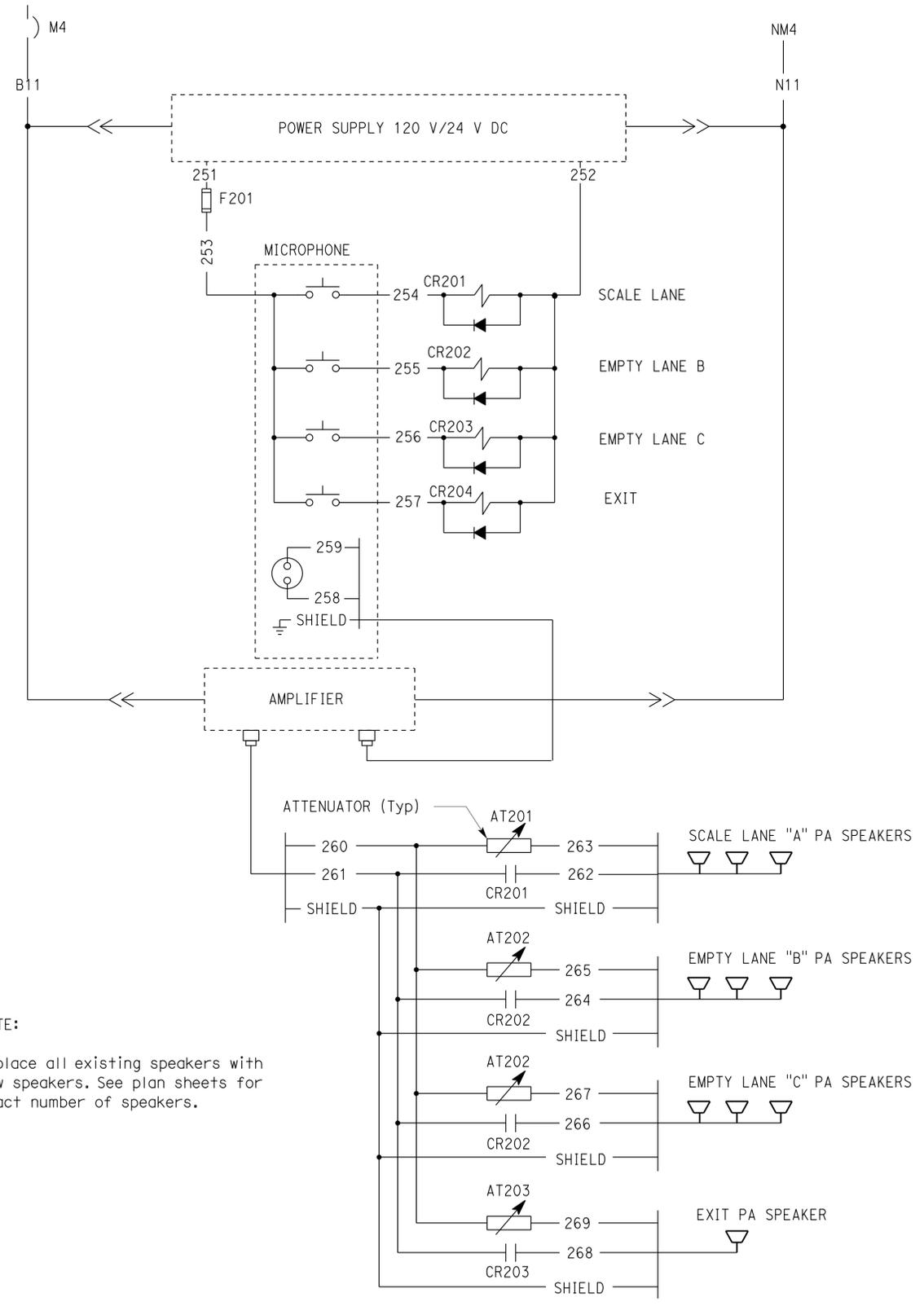
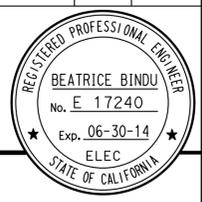
DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	77	79

Reviewed by: <i>Francis Solich</i>	11-15-12
REGISTERED ELECTRICAL ENGINEER	DATE

6-24-13
PLANS APPROVAL DATE

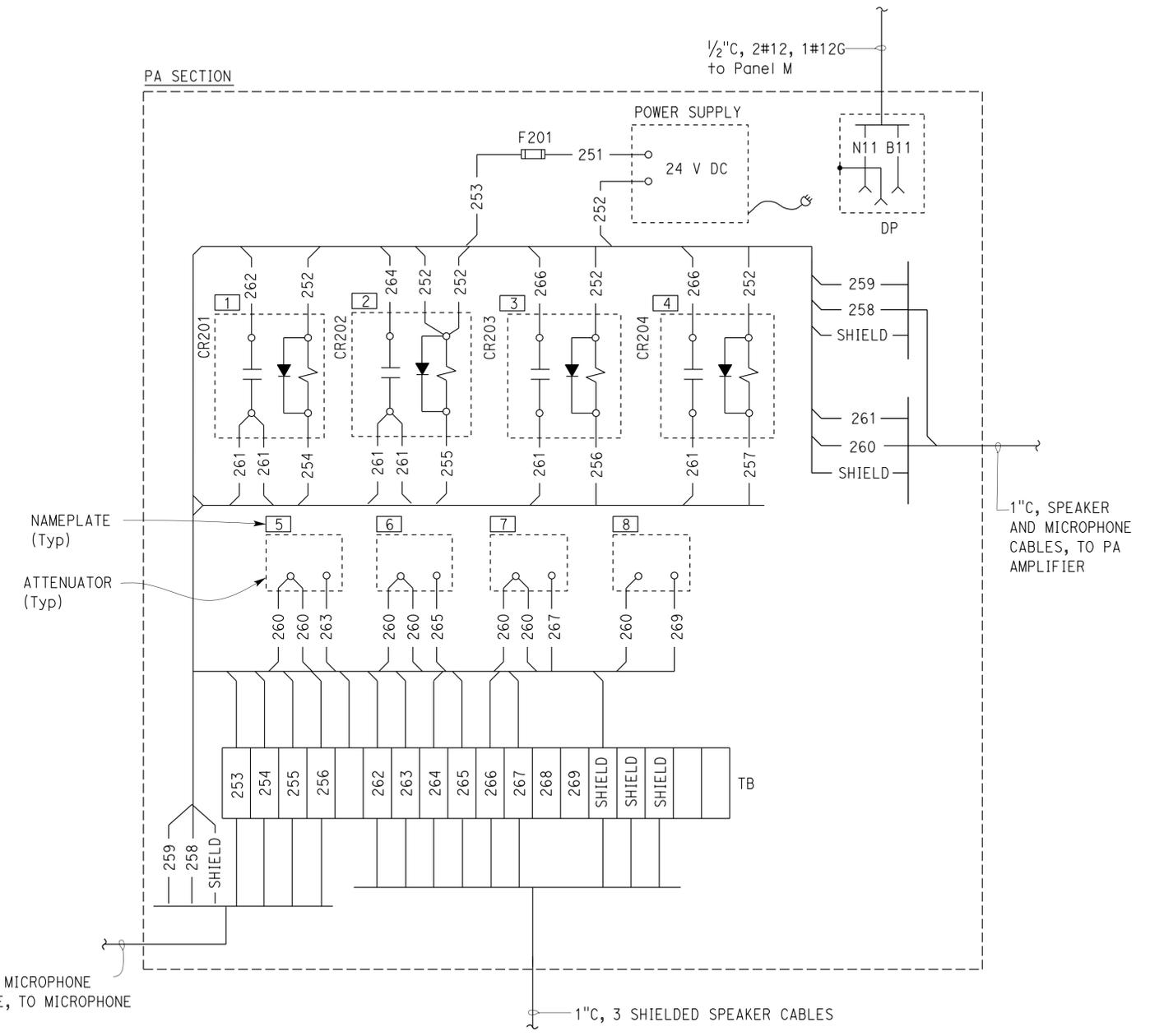
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CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: *Francis Solich*
 Approval date: 10-16-12



NOTE:
 Replace all existing speakers with new speakers. See plan sheets for exact number of speakers.

EXISTING PA SYSTEM SCHEMATIC DIAGRAM



EXISTING PA SECTION WIRING DIAGRAM (COMMUNICATION PANEL)

DESIGN	BY <i>Tech Ngov</i>	CHECKED <i>Beatrice Bindu</i>
DETAILS	BY <i>Andreasen/Ngov</i>	CHECKED <i>Tech Ngov</i>
QUANTITIES	BY <i>Tech Ngov</i>	CHECKED <i>Beatrice Bindu</i>

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 53W0001R
 POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
 PA SYSTEM SCHEMATIC DIAGRAM

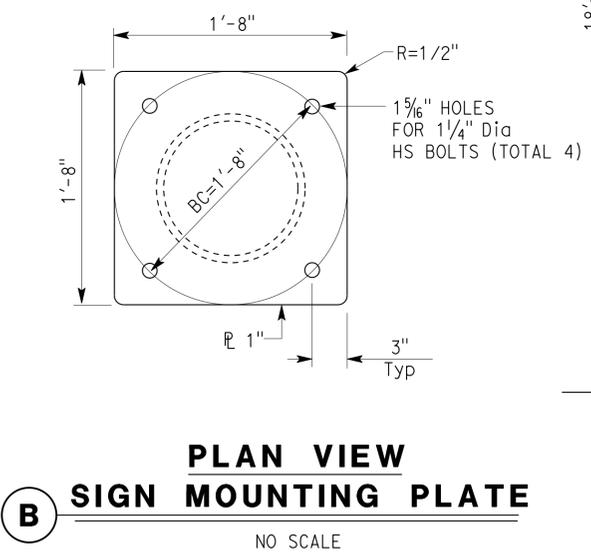
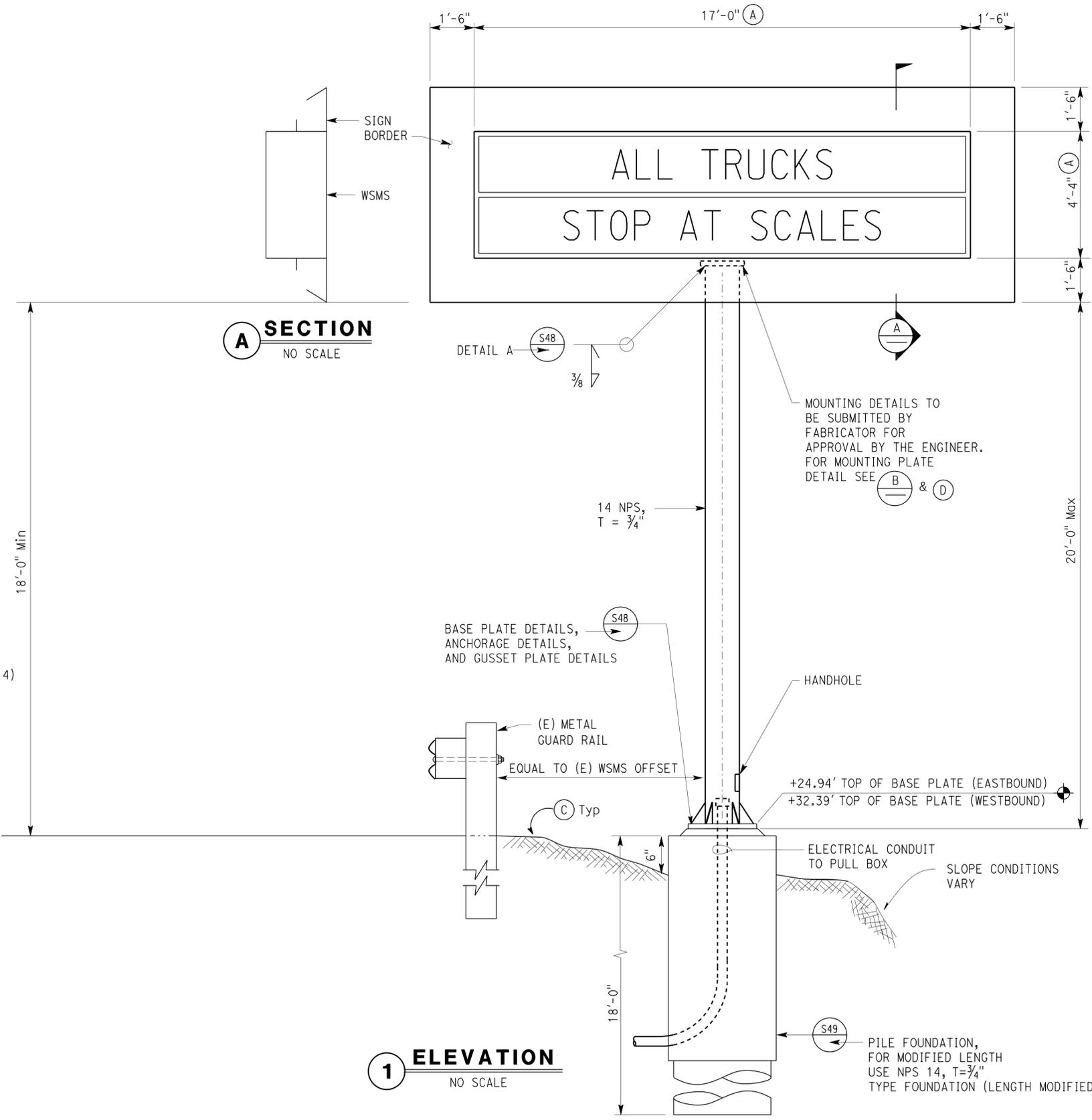
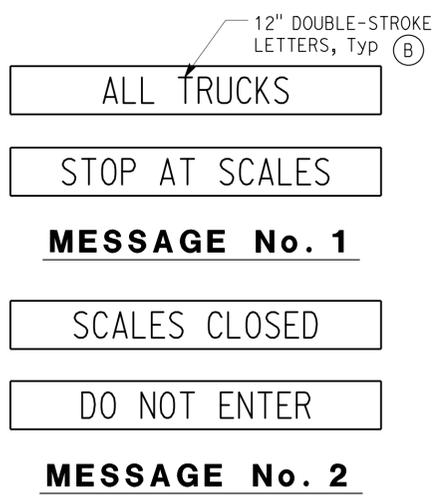
SHEET **EE-15**

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	78	79

<i>Thomas Reich</i>	11-15-12
REGISTERED CIVIL ENGINEER	DATE

6-24-13
PLANS APPROVAL DATE

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WEIGH STATION MESSAGES SIGN

- GENERAL NOTES:
- For details not shown, see Standard Plans and Project Plans.
 - Specifications:
Design AASHTO: Specification for the design and construction of structure supports for highway signs, 1994.
Wind loading: Normal to face of Sign: 40 PSF on 100% panel coverage. Transverse to face of Sign: 20% of normal face.
- KEYED NOTES:
- Approximate dimensions shown. The projected sign face area shall not exceed the area shown by more than 10%. Actual size shall be submitted to provide proportionate layout of messages.
 - Size of letters is the actual viewable size. Pixel size can be smaller.
 - Provide slope protection at pole base.
 - Mounting details duly stamped by a Registered Engineer along with calculation, shall be provided for approval.

CALIFORNIA STATE FIRE MARSHAL APPROVED

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Reviewed by: *Francis Solich*
FRANCIS SOLICH
Approval date: 10-16-12

NOTE
The Contractor shall field verify all existing underground utilities in and around the area prior to the start of the work for installing foundation for WSMS sign.

DESIGN	BY Tech Ngov	CHECKED Beatrice Bindu
DETAILS	BY Andreasen/Ngov	CHECKED Tech Ngov
QUANTITIES	BY Tech Ngov	CHECKED Beatrice Bindu

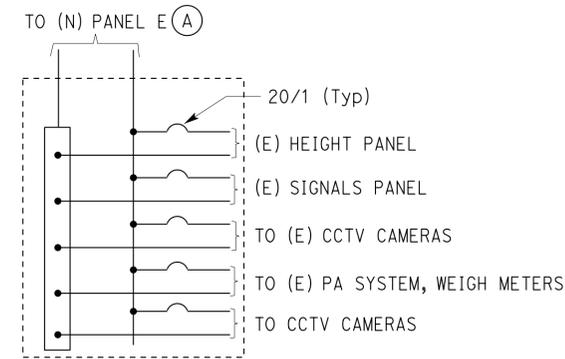
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No.	53W0001R	CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS	SHEET EE-16
POST MILE			
WEIGH STATION MESSAGE SIGN DETAILS			

KEYED NOTES:

- (A) Reroute feeders for existing Panel M from Panel L to new Panel E. See Panel Schedule, this sheet.
- (B) Remove lighting circuit. See Modified Panel Schedule for new loads.



**EXISTING
PANEL M**

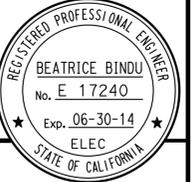
**CALIFORNIA STATE FIRE MARSHAL
APPROVED**
Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approvals subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: *[Signature]*
FRANCIS SOLICH
Approval date: 10-16-12

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	LA	5	R54.4/R54.8	79	79

REGISTERED ELECTRICAL ENGINEER *Beatrice Bindu* DATE 11-15-12

6-24-13
PLANS APPROVAL DATE

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MAIN: 150-AMPERE CIRCUIT BREAKER
VOLTS: 120/240 V, 1 ϕ , 3-WIRE

EXISTING PANEL L

FEEDER SIZE: 3#2/0
LOCATION: HALL

DESCRIPTION	Brk	Ckt	A	C	Ckt	Brk	DESCRIPTION
OUTSIDE LIGHTS	20/1	1	•		2	20/1	RECEPT - SCALE Rm (PA)
RECEPT - KITCHEN, MEN'S LOCKER	20/1	3		•	4	20/1	RECEPT - SCALE Rm, MEN'S
RECEPT - SCALE PIT SUMP	20/1	5	•		6	30/1	PANEL M
RECEPT - SCALE Rm, EXTERIOR	20/1	7		•	8	20/1	RECEPT - WOMEN'S, UTILITY, EXTERIOR
SPARE	20/1	9	•		10	20/1	CONTROL CONSOLE, CMS CIRCUIT
RECEPT - SCALE Rm	20/1	11		•	12	20/1	SPARE
RECEPT - CAMERA AND COUNTER	20/1	13	•		14	20/1	RECEPT - HALL, MEN'S
TRUCKER'S RESTROOM	40/2	15		•	16	20/2	RANGE KITCHEN AREA (STAFF ROOM)
		17		•	18		
WATER HEATER	20/2	19		•	20	50/2	SPARE
		21		•	22		
YARD LIGHTS	30/2	23		•	24	30/2	OUTSIDE LIGHTS
		25		•	26		
(B) LIGHTS - STAFF Rm, WOMEN'S, PHONES	20/1	27		•	28	20/1	RECEPT - MIS
RECEPT - STAFF Rm, SERGEANT OFFICE	20/1	29		•	30	20/1	RECEPT - OFFICE, TELEPHONE CLOSET
(B) LIGHTS - OFFICE, VEST, LOBBY, HALL	20/1	31		•	32	20/1	RECEPT - TRUCKER AREA

MAIN: 150-AMPERE CIRCUIT BREAKER
VOLTS: 120/240 V, 1 ϕ , 3-WIRE

MODIFIED PANEL L

FEEDER SIZE: 3#2/0
LOCATION: HALL

DESCRIPTION	Brk	Ckt	A	C	Ckt	Brk	DESCRIPTION
OUTSIDE LIGHTS	20/1	1	•		2	20/1	RECEPT - SCALE Rm (PA)
RECEPT - KITCHEN, MEN'S LOCKER	20/1	3		•	4	20/1	RECEPT - SCALE Rm, MEN'S
RECEPT - SCALE PIT SUMP	20/1	5	•		6	30/1	SPARE
RECEPT - SCALE Rm, EXTERIOR	20/1	7		•	8	20/1	RECEPT - WOMEN'S, UTILITY, EXTERIOR
CHLF, SHOWER	20/1	9	•		10	20/1	CONTROL CONSOLE, CMS CIRCUIT
RECEPT - SCALE Rm	20/1	11		•	12	20/1	SPARE
RECEPT - CAMERA AND COUNTER	20/1	13	•		14	20/1	RECEPT - HALL, MEN'S
TRUCKER'S RESTROOM	40/2	15		•	16	20/2	RANGE KITCHEN AREA (STAFF ROOM)
		17		•	18		
WATER HEATER	20/2	19		•	20	50/2	SPARE
		21		•	22		
YARD LIGHTS	30/2	23		•	24	30/2	OUTSIDE LIGHTS
		25		•	26		
RECEPT - KITCHEN AREA	20/1	27		•	28	20/1	RECEPT
RECEPT - STAFF Rm, SERGEANT OFFICE	20/1	29		•	30	20/1	RECEPT - OFFICE, TELEPHONE CLOSET
RECEPT - KITCHEN AREA	20/1	31		•	32	20/1	RECEPT - TRUCKER AREA

MAIN: LUGS ONLY
VOLTS: 120/240 V, 1 ϕ , 3-WIRE

EXISTING PANEL E

LOCATION: HALL (BY PANEL L)

DESCRIPTION	Brk	Ckt	A	C	Ckt	Brk	DESCRIPTION
LIGHTS - LOBBY	20/1	1	•		2	20/1	RECEPT - SERGEANT OFFICE
SERVER/TELEPHONE SYSTEM	20/1	3		•	4	20/1	LIGHTS - MEN'S
WSMS / SWITCH	20/1	5	•		6	20/1	RADIO BASE STATION
RADIO CONSOLE	20/1	7		•	8	---	SPACE
SPACE	20/1	9	•		10	20/1	SPACE
SPACE	20/1	10		•	12	20/1	SPACE

MAIN: 50-AMPERE CIRCUIT BREAKER
VOLTS: 120/240 V, 1 ϕ , 3-WIRE

NEW PANEL E

FEEDER SIZE: 3#6, 1#8G (FROM PTS)
LOCATION: HALL (BY PANEL L)

DESCRIPTION	AMPERES		Brk	Ckt	A	C	Ckt	Brk	AMPERES		DESCRIPTION
	A	C							A	C	
LIGHTS - STAFF, UTILITY, WOMEN'S	10		20/1	1	•		2	20/1	5		RECEPT - SERGEANT OFFICE
SPARE			20/1	3		•	4	20/1		7	LIGHTS - MENS, LOBBY, SERGEANT OFFICE
WSMS	5		20/1	5	•		6	20/1	7		RADIO BASE STATION
RADIO CONSOLE		5	20/1	7		•	8	30/1		25	(E) PANEL M
SPARE			20/1	9	•		10	20/1	10		LIGHTS - OUTDOOR AND FRONT
SPARE			20/1	10		•	12	20/1			SPARE

DESIGN	BY Tech Ngov	CHECKED Beatrice Bindu
DETAILS	BY Andreasen/Ngov	CHECKED Tech Ngov
QUANTITIES	BY Tech Ngov	CHECKED Beatrice Bindu

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 53W0001R
POST MILE

CASTAIC TRUCK INSPECTION FACILITY IMPROVEMENTS
PANEL SCHEDULES

SHEET EE-17 OF