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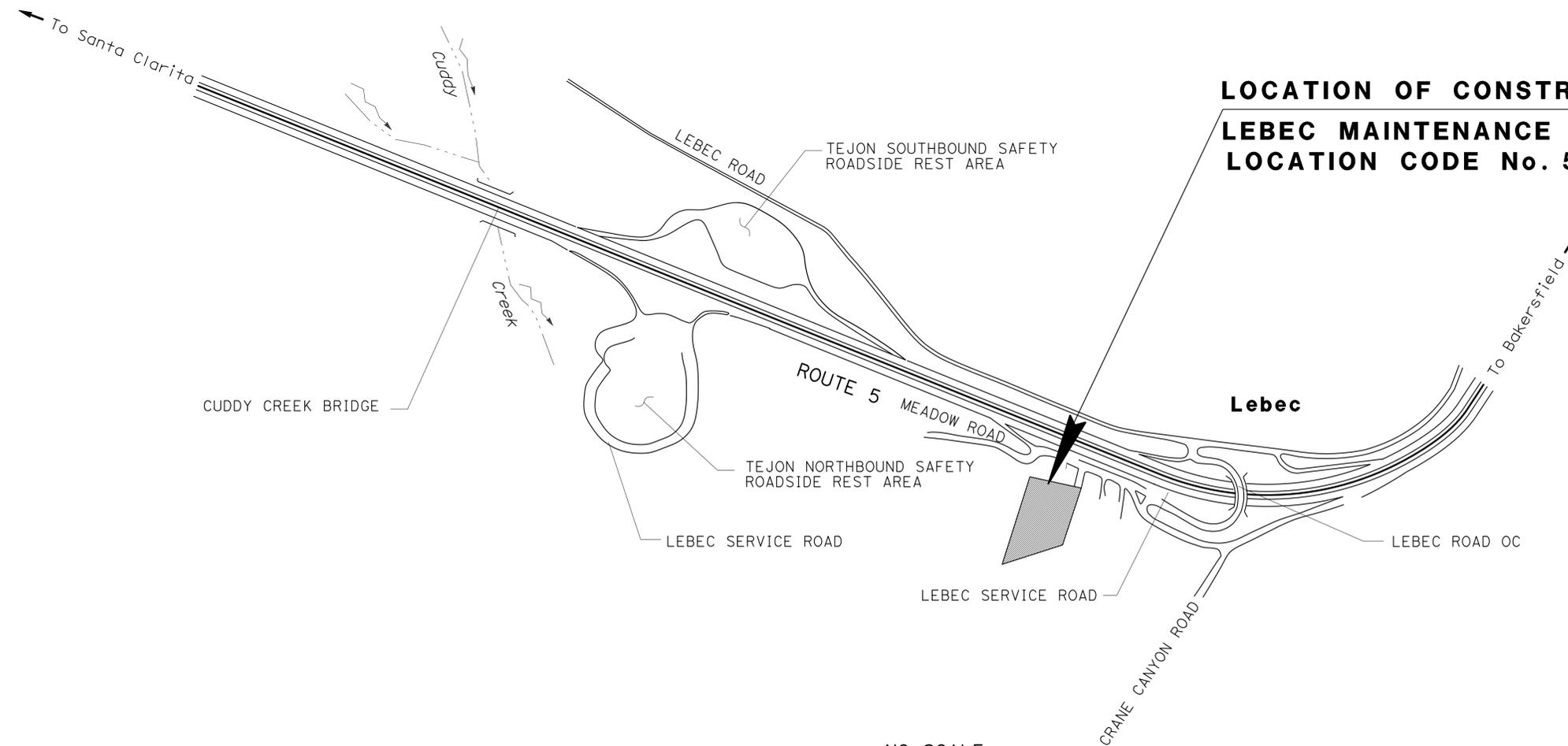
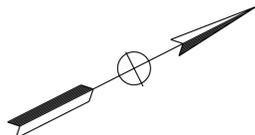
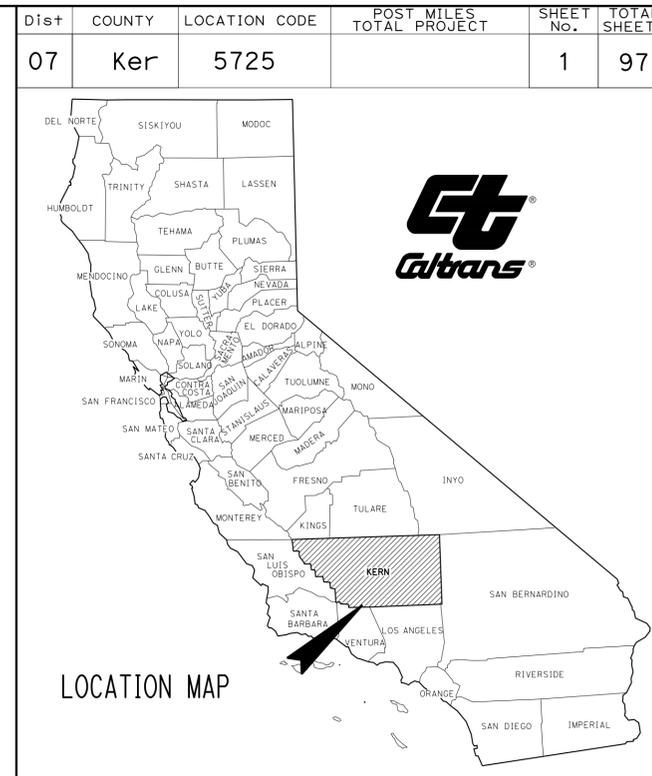
BUILDING PLANS

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

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR BUILDING CONSTRUCTION
IN KERN COUNTY
IN LEBEC AT THE
LEBEC MAINTENANCE STATION
AT 1586 LEBEC SERVICE ROAD

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010

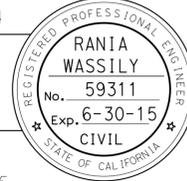


NO SCALE

PROJECT MANAGER	CHRISTIAN SAM
DESIGN ENGINEER	SHAFIQUL ISLAM

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

Rania Wassily 3-6-14
 PROJECT ENGINEER DATE
 REGISTERED CIVIL ENGINEER



August 25, 2014
 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.	07-2W5404
PROJECT ID	0713000206

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		2	97
<i>Rania Wassily</i> REGISTERED CIVIL ENGINEER			3-6-14	DATE	
8-25-14			PLANS APPROVAL DATE		
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

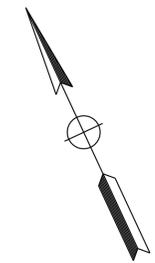
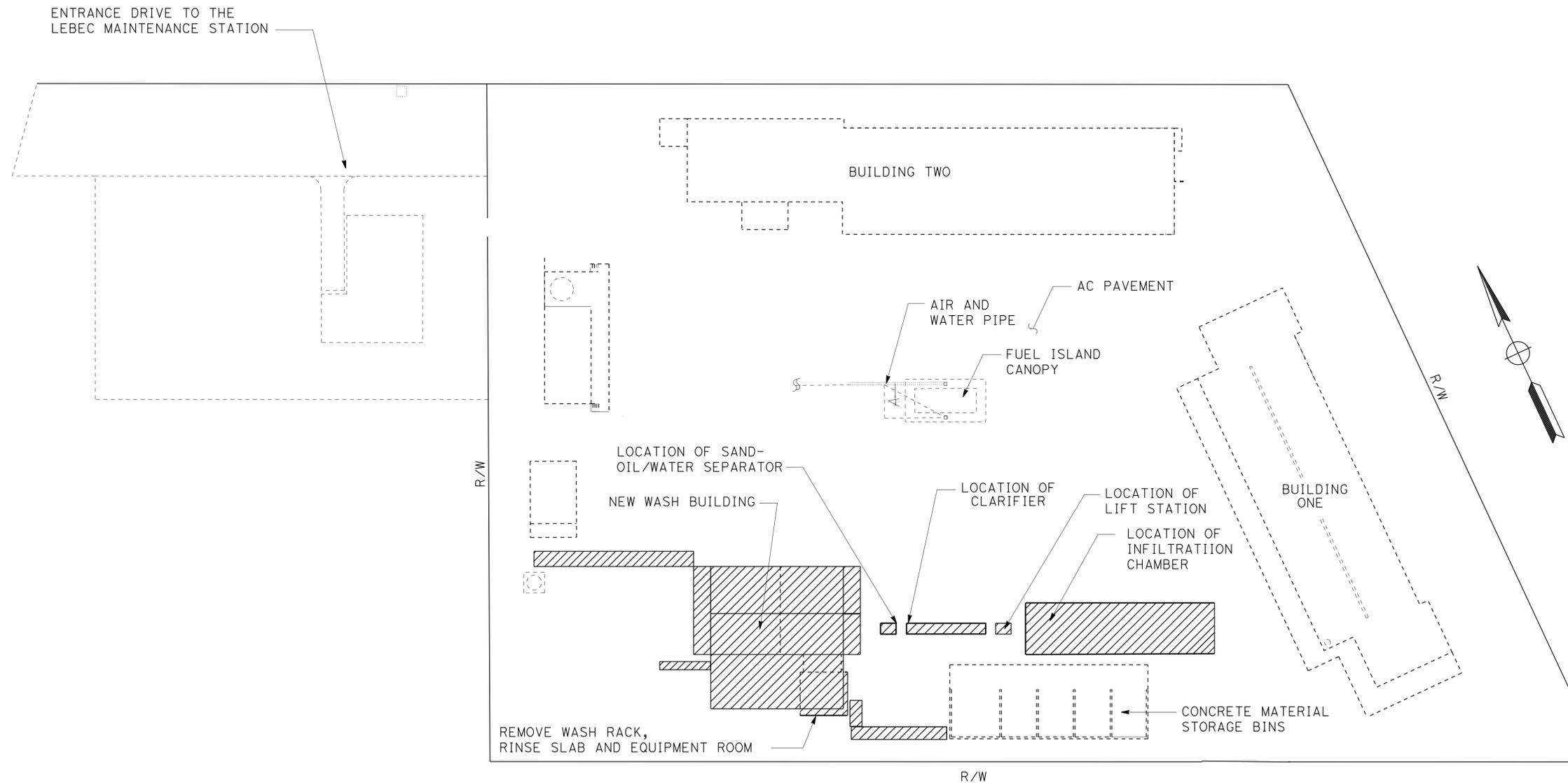


NOTES:

1. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. REFER TO BUILDING PLANS FOR REMOVAL WORK AND NEW WORK DETAILS.

LEGEND:

 APPROXIMATE AREA OF STRUCTURE EXCAVATION (PETROLEUM-IMPACTED SOIL)



CONSTRUCTION DETAILS

NO SCALE

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION	REVISOR	DATE
Caltrans MAINTENANCE ENGINEERING		
FUNCTIONAL SUPERVISOR	CHECKED BY	DESIGNED BY
SHAFIQUL ISLAM		
RANIA WASSILY	SHAFIQUL ISLAM	
REVISOR	DATE	REVISOR

	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	Ker	5725		4	97

Grace M. Tsushima
REGISTERED CIVIL ENGINEER

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

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 8-25-14

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

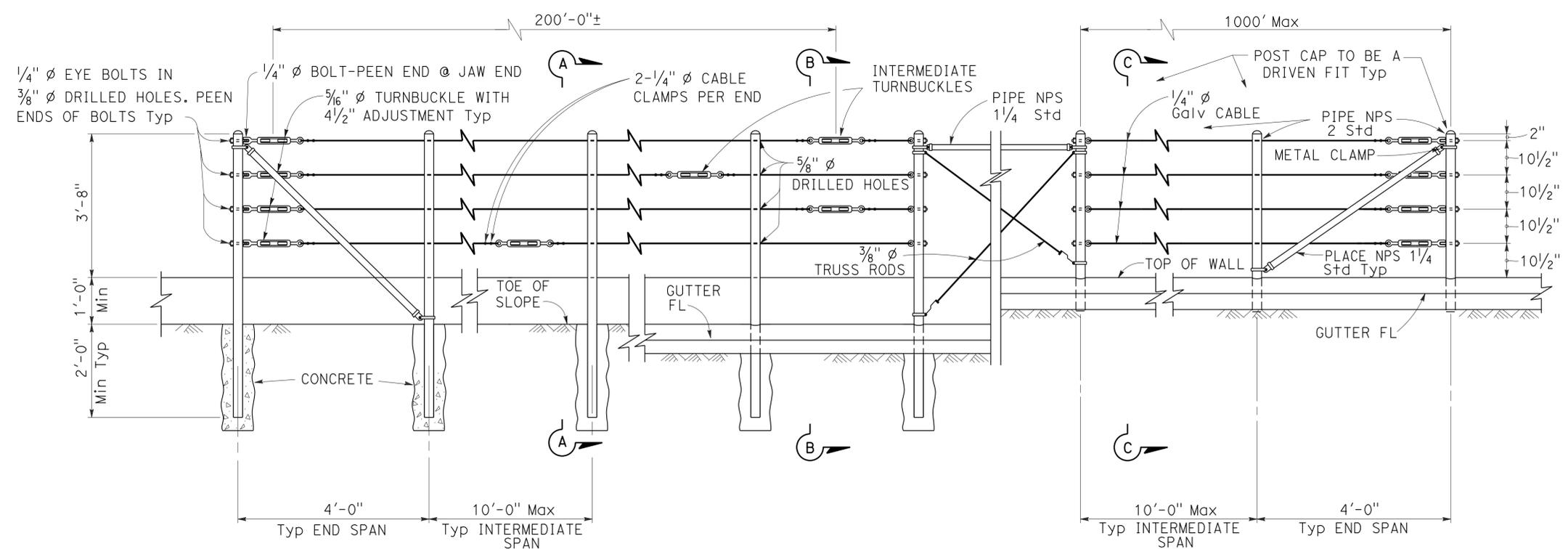
ABBREVIATIONS (SHEET 2 OF 2)

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.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		5	97

REGISTERED CIVIL ENGINEER	
October 21, 2011	
PLANS APPROVAL DATE	
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	

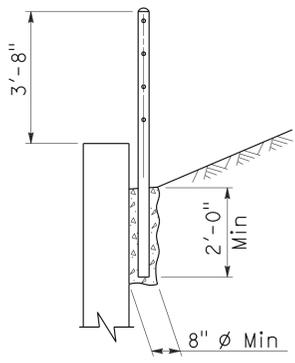


EXISTING WALL (WITHOUT GUTTER) Existing **RETAINING WALL (WITH GUTTER)** Existing **RETAINING WALL (WITH GUTTER)** New construction

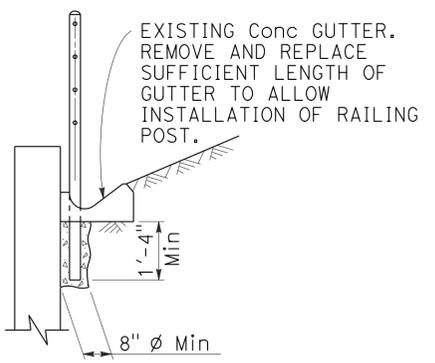
ELEVATION

NOTES:

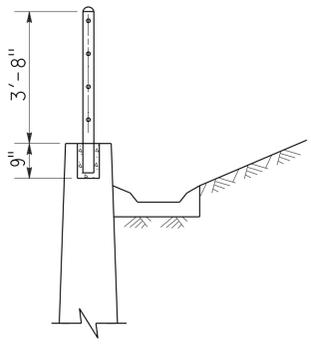
1. Maximum distance between turnbuckles shall be 200'-0"±.
2. Intermediate turnbuckles to be placed in adjacent spans.
3. Cable shall not be spliced between intermediate turnbuckles and end posts.
4. Posts to be vertical.
5. Alignment of holes in posts may vary to conform to slope of top of retaining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



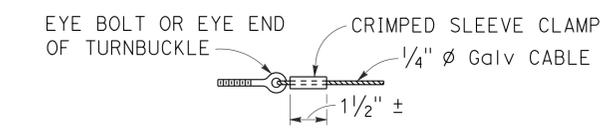
SECTION A-A
Existing



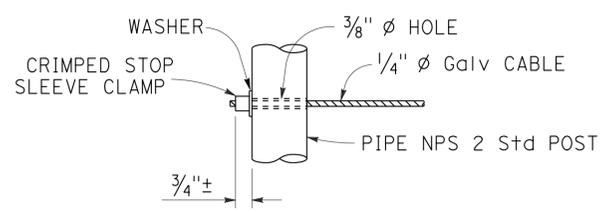
SECTION B-B
Existing



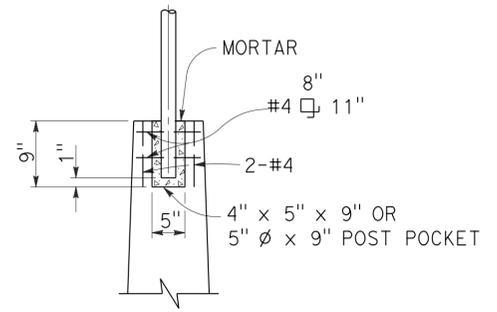
SECTION C-C
New construction



ALTERNATIVE CABLE CONNECTION



ALTERNATIVE DEAD END ANCHORAGE



POST POCKET

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
CABLE RAILING

NO SCALE

RSP B11-47 DATED OCTOBER 21, 2011 SUPERSEDES STANDARD PLAN B11-47 DATED MAY 20, 2011 - PAGE 293 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP B11-47

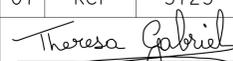
2010 REVISED STANDARD PLAN RSP B11-47

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
Ctid	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	Ker	5725		6	97
 REGISTERED ELECTRICAL ENGINEER No. E15129 Exp. 6-30-14 ELECTRICAL STATE OF CALIFORNIA					
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 8-25-14

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:

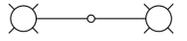
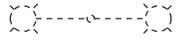
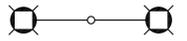
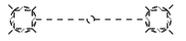
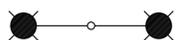
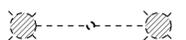
SYMBOL USED	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
V	VOLT
V(dc)	VOLT (DIRECT CURRENT)
V(ac)	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

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

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

2010 REVISED STANDARD PLAN RSP ES-1A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		7	97

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 8-25-14

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

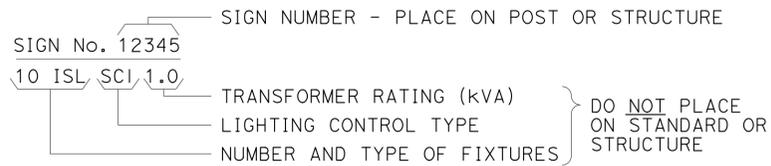
2010 REVISED STANDARD PLAN RSP ES-1B



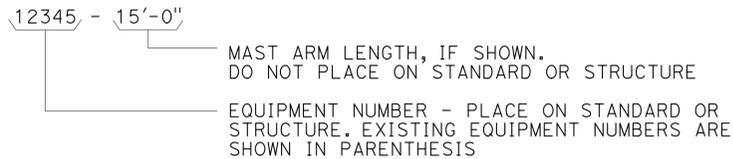
TO ACCOMPANY PLANS DATED 8-25-14

EQUIPMENT IDENTIFICATION

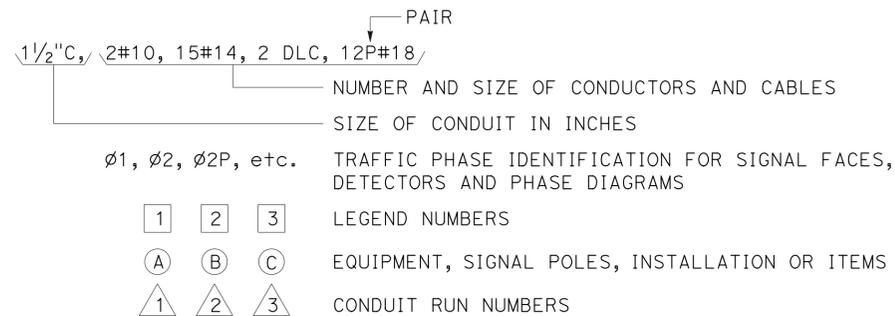
ILLUMINATED SIGN IDENTIFICATION NUMBER:



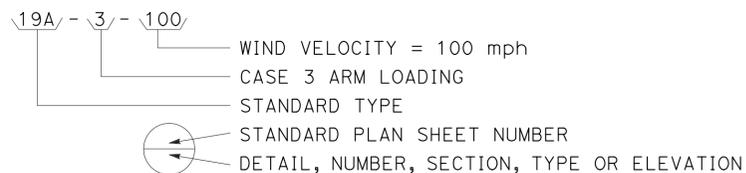
ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



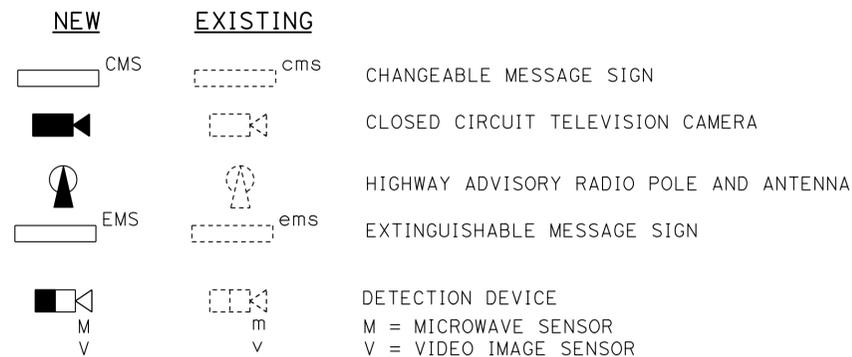
CONDUIT AND CONDUCTOR IDENTIFICATION:



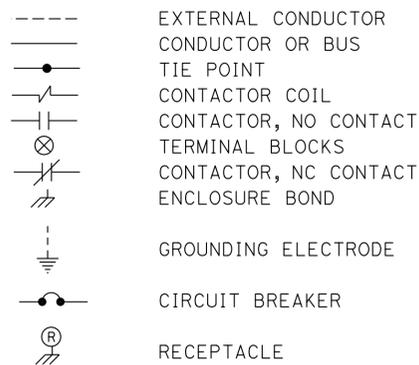
SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



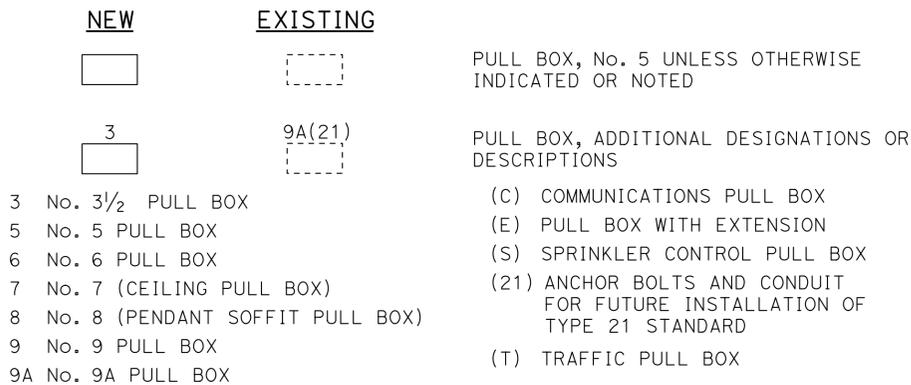
MISCELLANEOUS EQUIPMENT



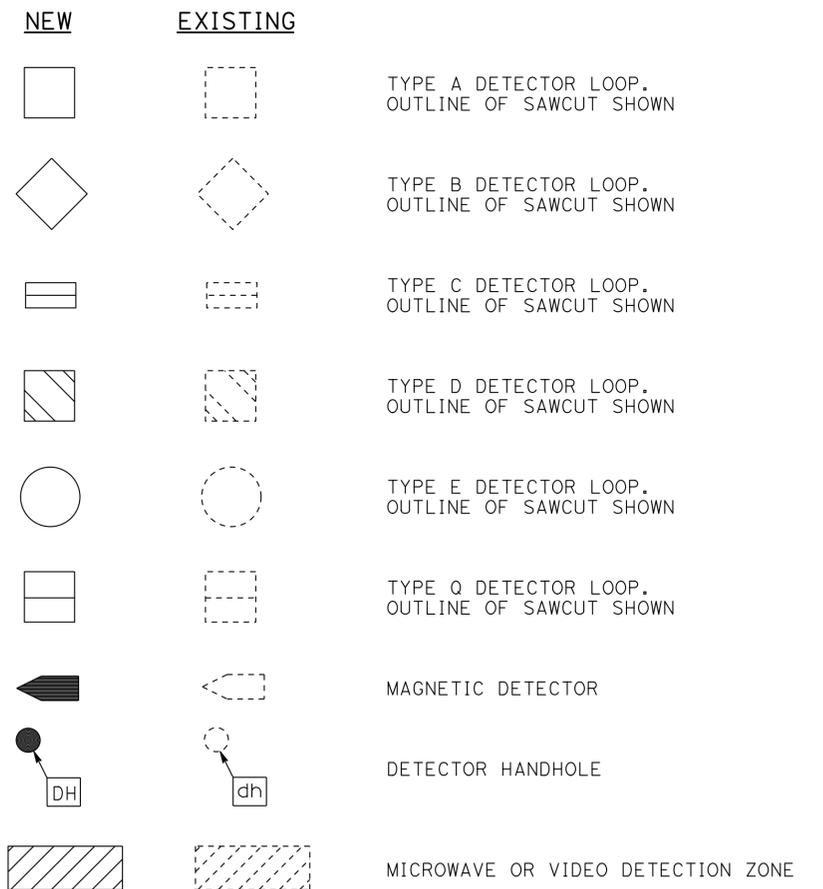
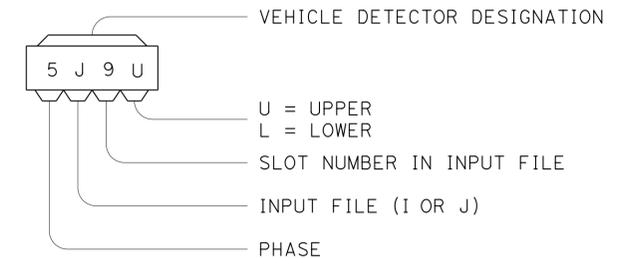
WIRING DIAGRAM LEGEND



PULL BOXES



VEHICLE DETECTORS

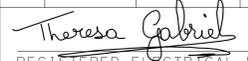


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

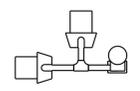
NO SCALE

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.

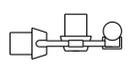
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		9	97
 REGISTERED ELECTRICAL ENGINEER					
July 19, 2013 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					

TO ACCOMPANY PLANS DATED 8-25-14

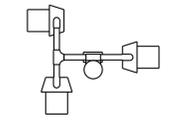
2010 REVISED STANDARD PLAN RSP ES-4A



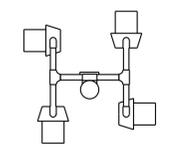
SV-2-TD



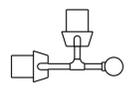
SV-2-TC



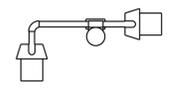
SV-3-TC



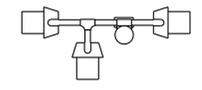
SV-4-TC



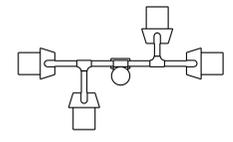
SV-2B



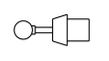
SV-2-TB



SV-3-TB



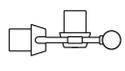
SV-4-TB



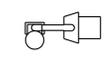
SV



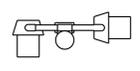
SV-1



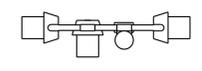
SV-2A



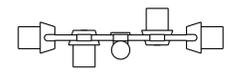
SV-1-T



SV-2-TA



SV-3-TA



SV-4-TA

SIDE MOUNTINGS

PLAN VIEW OF OTHER
SIDE MOUNTINGS

ABBREVIATIONS:

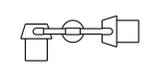
- SV SIDE MOUNTED VEHICLE SIGNALS
- T TERMINAL COMPARTMENT
- TV TOP MOUNTED VEHICLE SIGNALS
- 1, 2, 3, 4 NUMBER OF SIGNAL FACES
(3 - SECTION, UNLESS OTHERWISE INDICATED)
- A, B, C, D CONFIGURATION OF SIGNALS

NOTES:

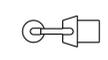
1. Mountings shall be oriented to provide maximum horizontal clearance to adjacent roadway.
2. Bracket arms shall be long enough to permit proper alignment of signals and backplate installation.
3. See Standard Plans ES-4D and ES-4E for attachment fitting details.



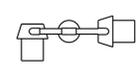
TV-1



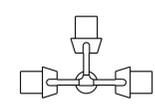
TV-2



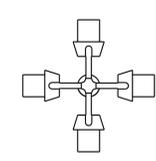
TV-1-T



TV-2-T



TV-3-T



TV-4-T

TOP MOUNTINGS

PLAN VIEW OF
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

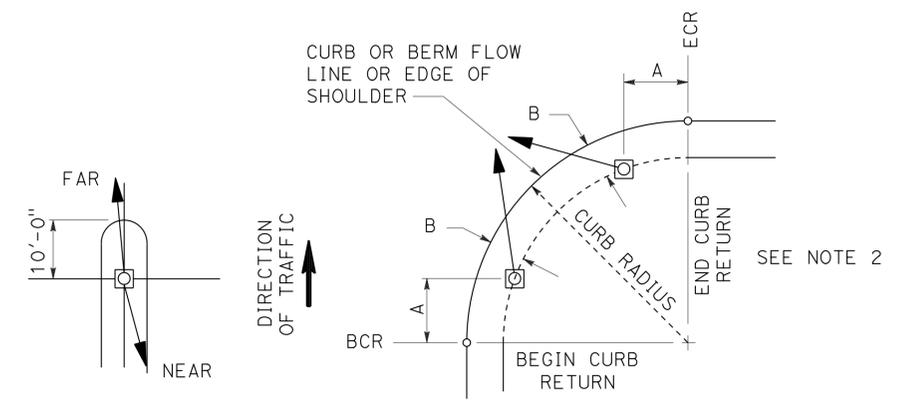
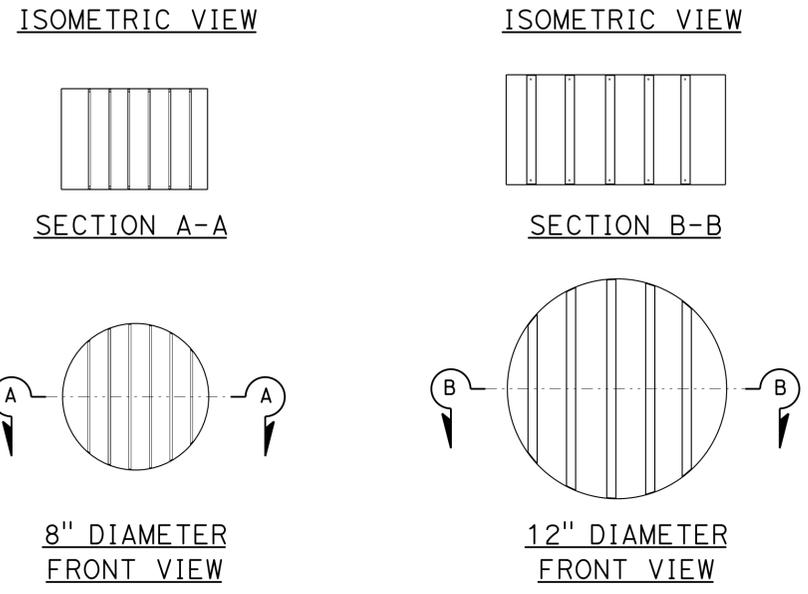
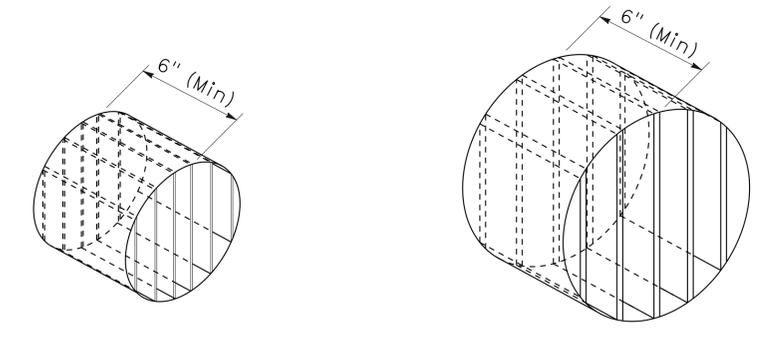
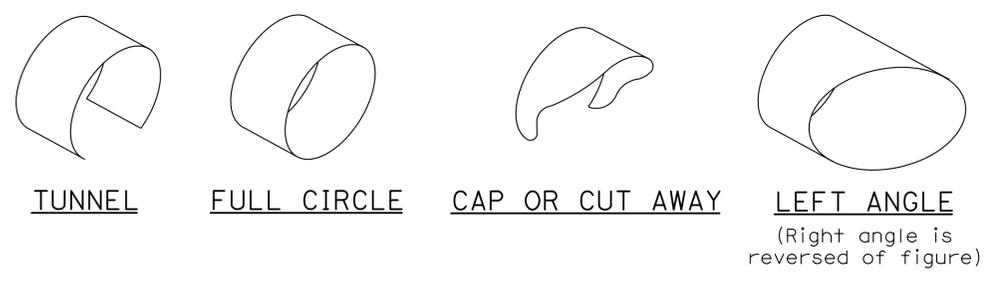
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		10	97

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

July 19, 2013
 PLANS APPROVAL DATE

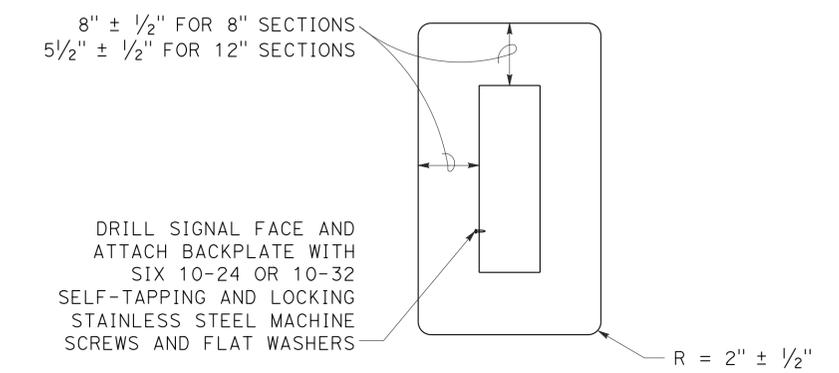
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED 8-25-14



- 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

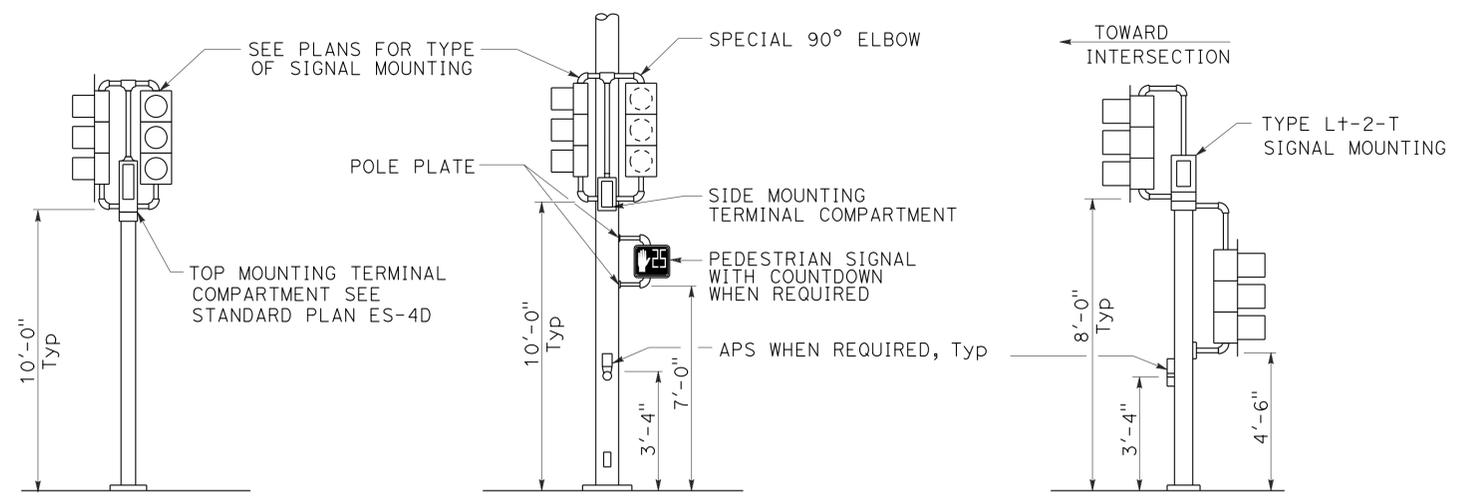
BACKPLATE

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)

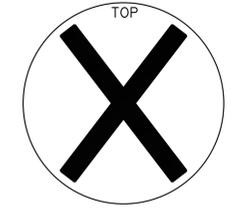
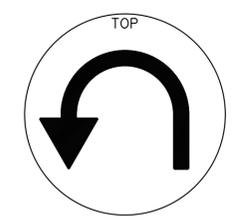
Type 1-A, 1-B, 1-C and 1-D standard as indicated on the plans

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)

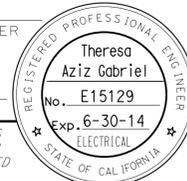
NO SCALE

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.

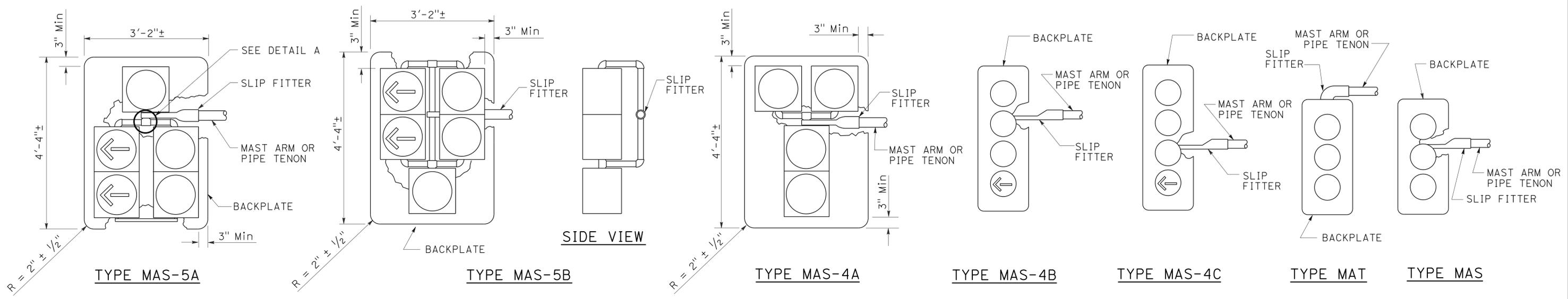
REVISED STANDARD PLAN RSP ES-4C

2010 REVISED STANDARD PLAN RSP ES-4C

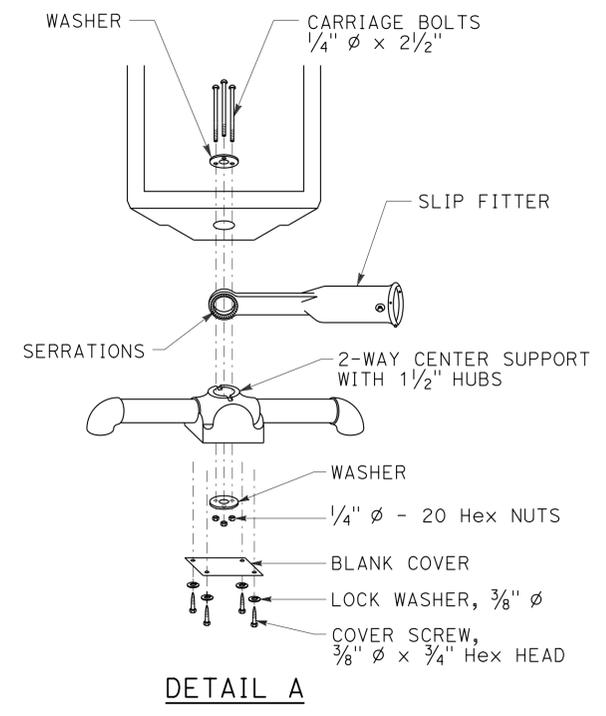
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		11	97
<i>Theresa Gabriel</i> REGISTERED ELECTRICAL ENGINEER					
July 19, 2013 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



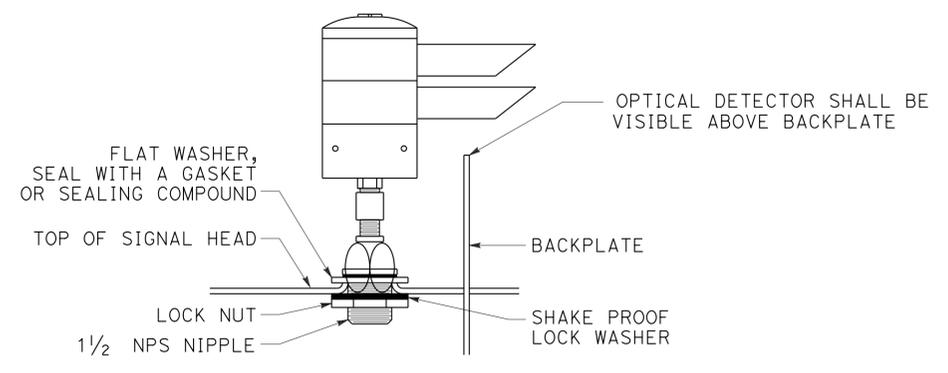
TO ACCOMPANY PLANS DATED 8-25-14



MAST ARM MOUNTINGS



DETAIL A



DETAIL B

**OPTICAL DETECTOR MOUNTING FOR
EMERGENCY VEHICLE DETECTION SYSTEM**

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

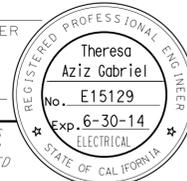
**ELECTRICAL SYSTEMS
(VEHICULAR SIGNAL HEADS AND
OPTICAL DETECTOR MOUNTING)**

NO SCALE

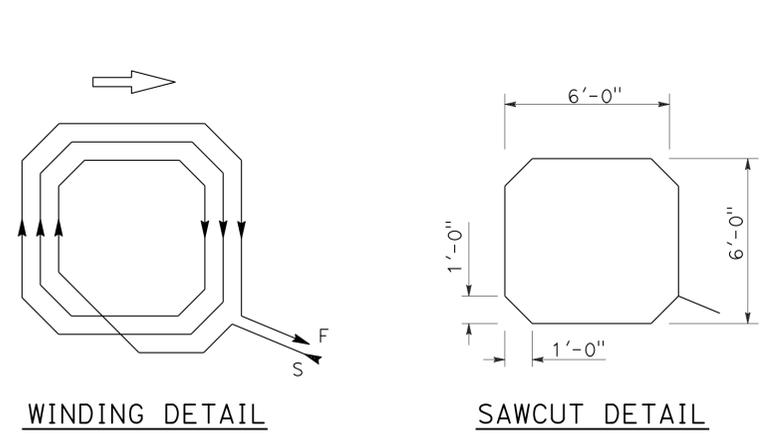
RSP ES-4E DATED JULY 19, 2013 SUPERSEDES STANDARD PLAN ES-4E
DATED MAY 20, 2011 - 447 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP ES-4E

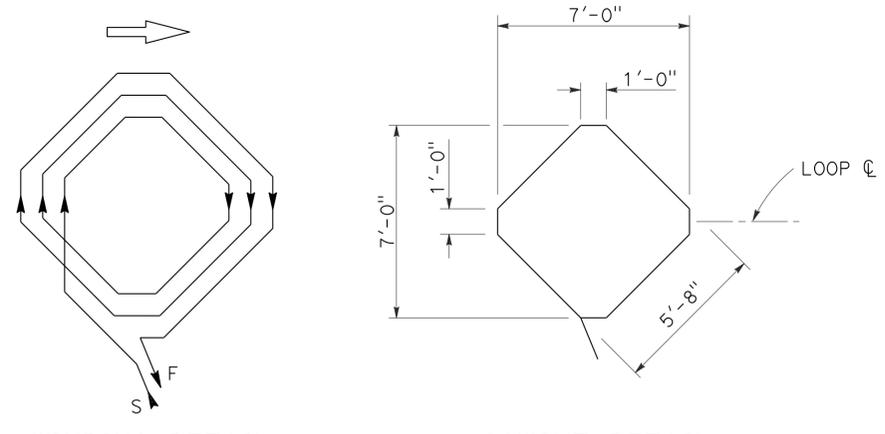
2010 REVISED STANDARD PLAN RSP ES-4E

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		12	97
<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>					
					

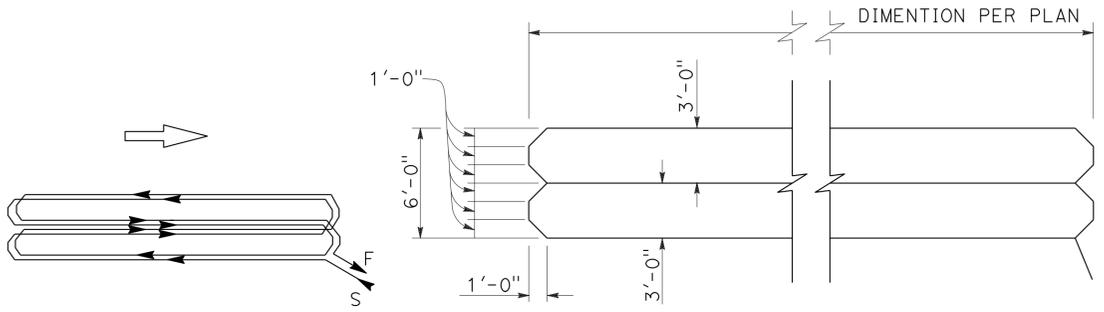
TO ACCOMPANY PLANS DATED 8-25-14



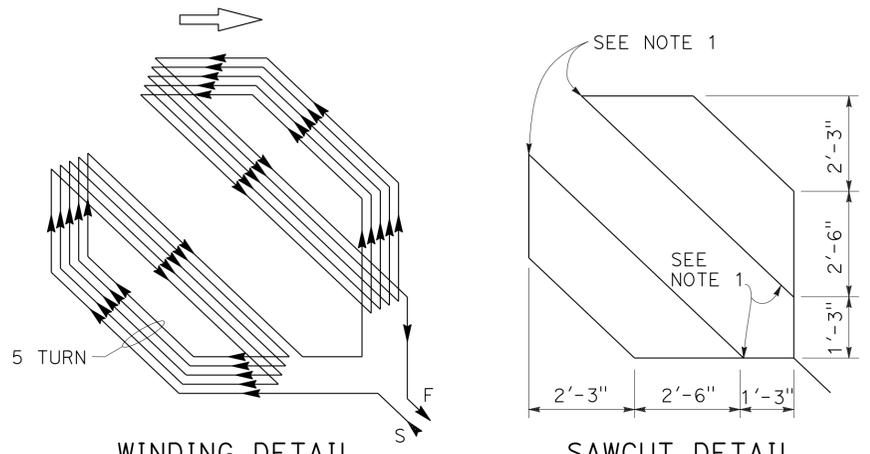
WINDING DETAIL
SAWCUT DETAIL
TYPE A LOOP DETECTOR CONFIGURATION



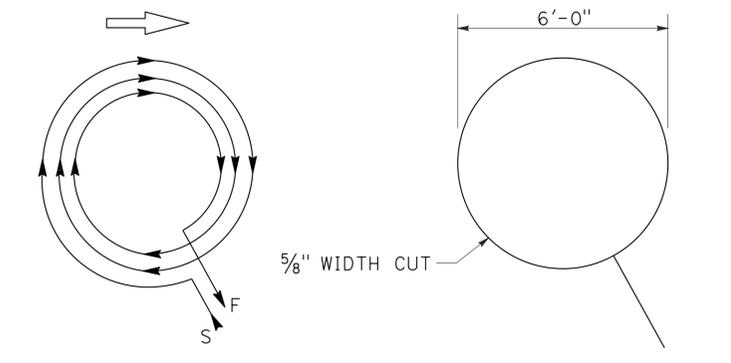
WINDING DETAIL
SAWCUT DETAIL
TYPE B LOOP DETECTOR CONFIGURATION



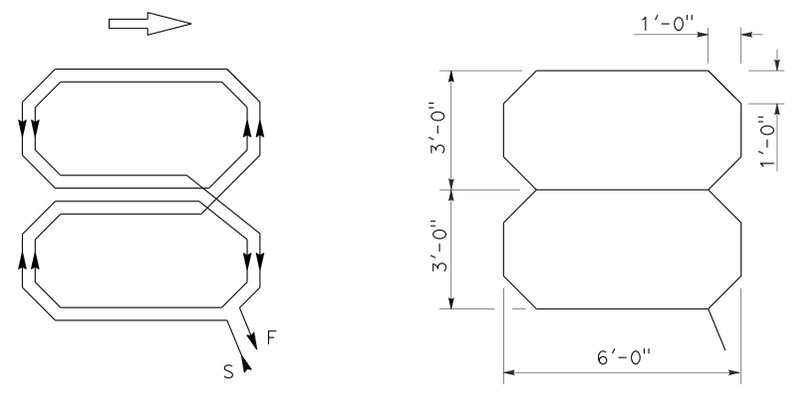
WINDING DETAIL
SAWCUT DETAIL
TYPE C LOOP DETECTOR CONFIGURATION



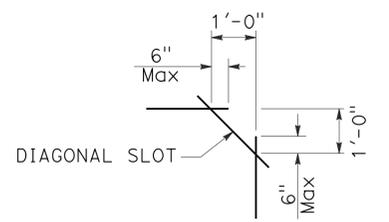
WINDING DETAIL
SAWCUT DETAIL
TYPE D LOOP DETECTOR CONFIGURATION



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.

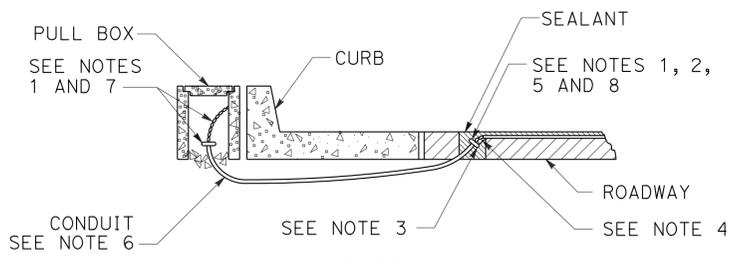
2010 REVISED STANDARD PLAN RSP ES-5B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		13	97

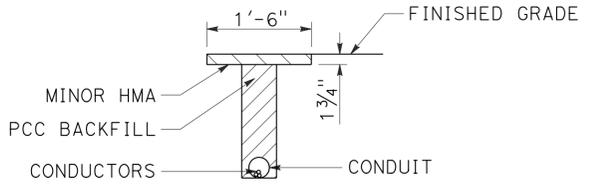
Theresa Gabriel
 REGISTERED ELECTRICAL ENGINEER
 July 19, 2013
 PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



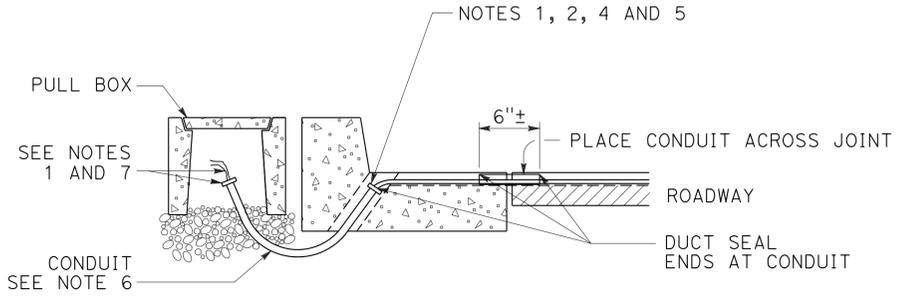
TO ACCOMPANY PLANS DATED 8-25-14



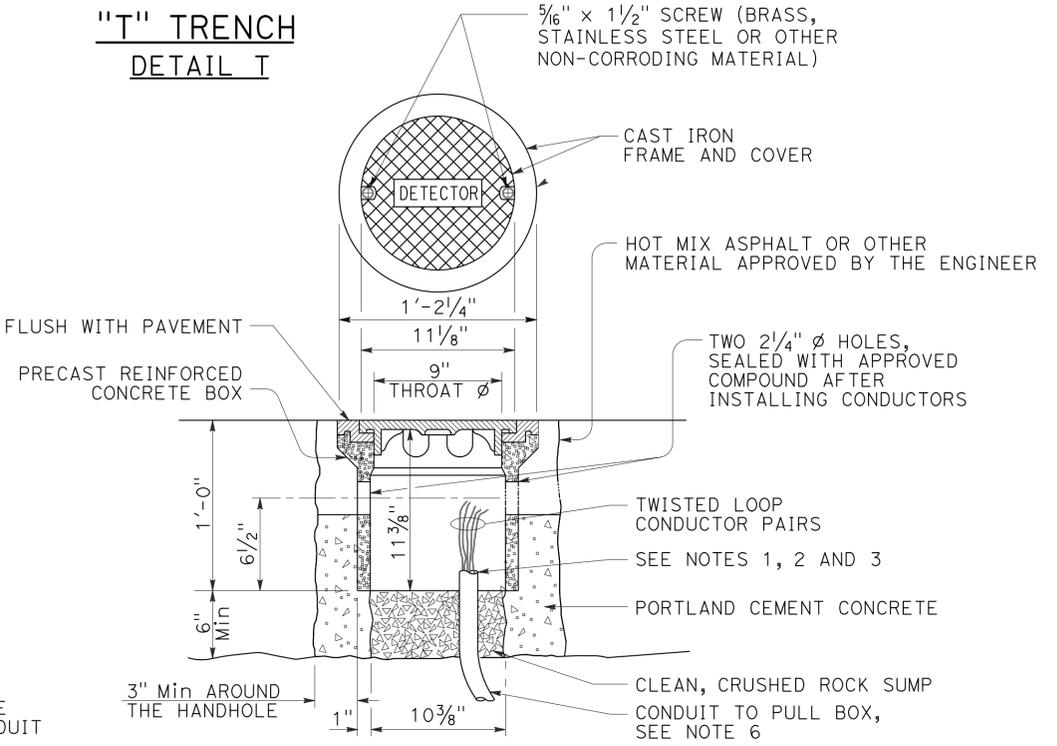
**TYPE A
CURB TERMINATION DETAIL**



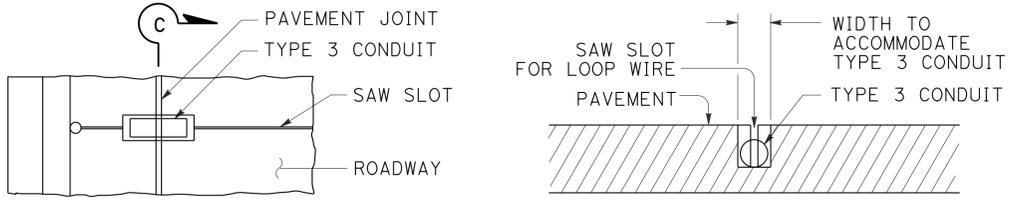
**"T" TRENCH
DETAIL 1**



CROSS SECTION



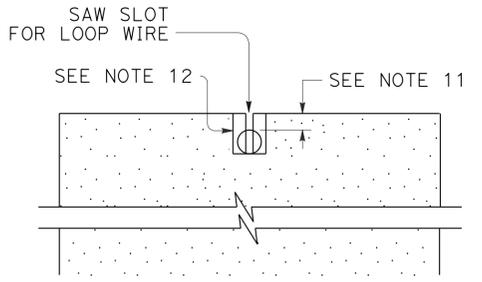
DETECTOR HANDHOLE DETAIL



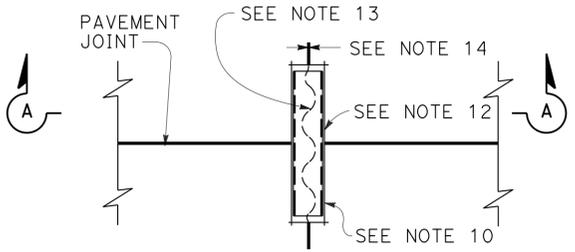
PLAN VIEW

SECTION C-C

**TYPE B
CURB TERMINATION DETAIL**

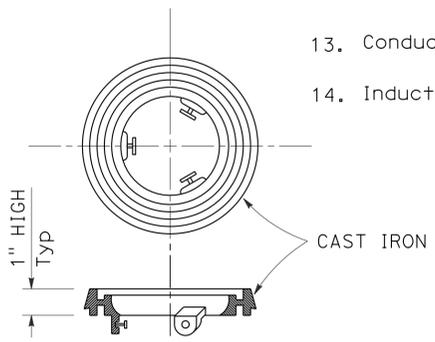


SECTION A-A

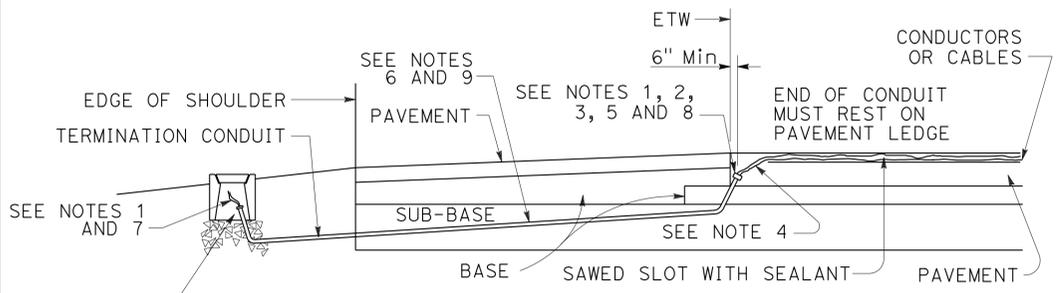


PLAN VIEW

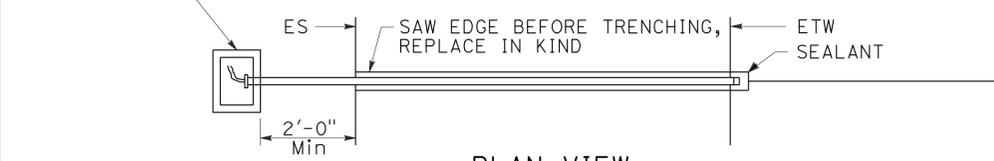
**TYPICAL LOOP LEAD-IN DETAIL
AT PAVEMENT JOINT**



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	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		14	97

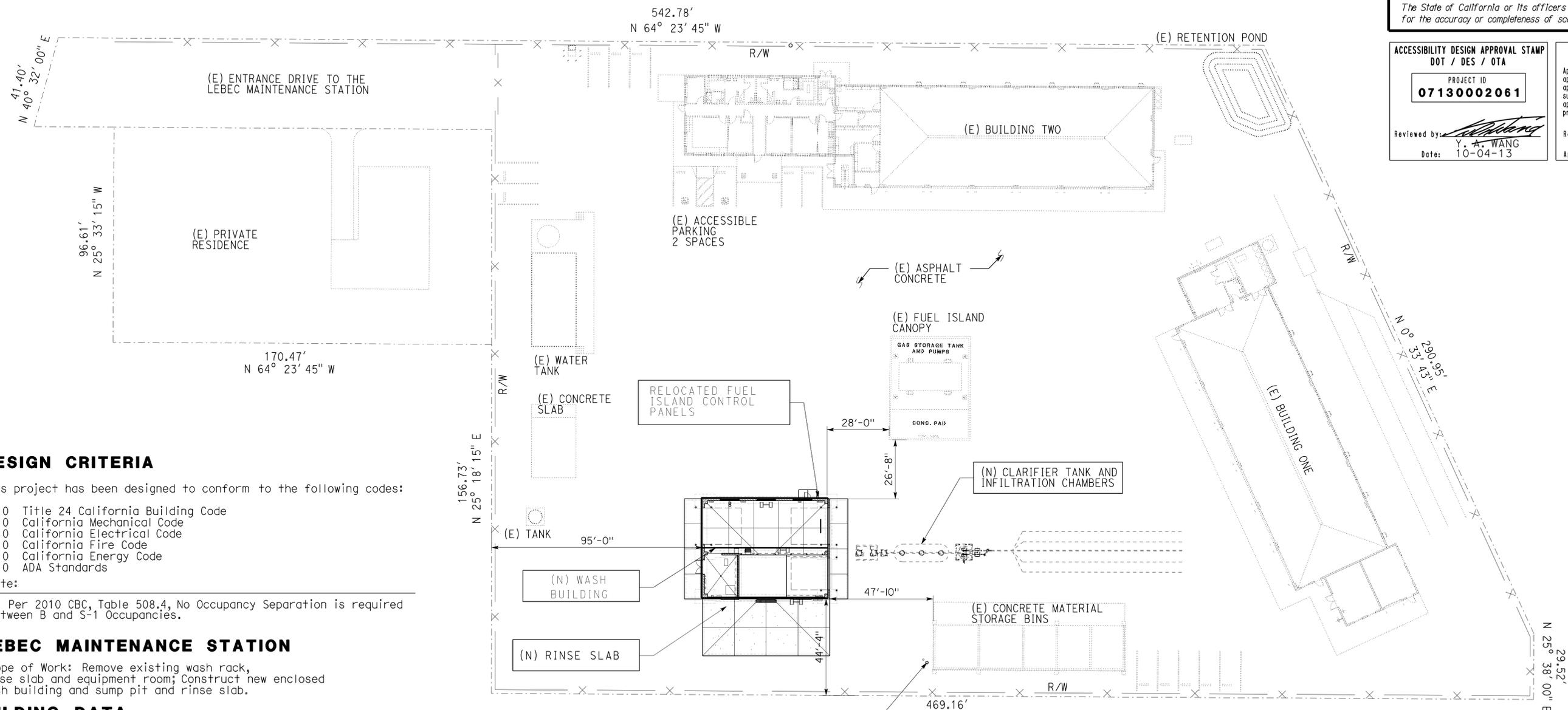
Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
 D. E. ALSEY
 No. C-26676
 Exp. 07-31-15
 STATE OF CALIFORNIA

8-25-14
 PLANS APPROVAL DATE

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- Notes:
- For Accessibility Notes See Sheet A0-1.
 - For accurate R/W data, contact R/W Engineering at the District Office.



DESIGN CRITERIA

This project has been designed to conform to the following codes:

- 2010 Title 24 California Building Code
- 2010 California Mechanical Code
- 2010 California Electrical Code
- 2010 California Fire Code
- 2010 California Energy Code
- 2010 ADA Standards

- Note:
- Per 2010 CBC, Table 508.4, No Occupancy Separation is required between B and S-1 Occupancies.

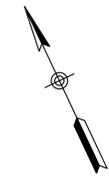
LEBEC MAINTENANCE STATION

Scope of Work: Remove existing wash rack, rinse slab and equipment room; Construct new enclosed wash building and sump pit and rinse slab.

BUILDING DATA

	OCCUPANCY	OCCUPANT LOAD	AREA (SF)	ALLOWABLE AREA (SF)	AREA INCREASE	BUILDING HEIGHT (FT)	NO. STORIES	HEIGHT INCREASE	TYPE OF CONSTRUCTION	FIRE SPRINKLERED	FIRE ALARM	SMOKE CONTROL	OTHER FIRE PROTECTION SYSTEM
Wash Building and Sump Pit	B	8	2,464	9,000	NO	27'-5" (40'-0" ALLOW)	1	NO	TYPE V-B	NO	NO	NO	NO

SITE PLAN
SCALE 1" = 30'-0"



RE Travin DESIGN SUPERVISOR Donald E. Alsey DESIGN ARCHITECT	DESIGNER Max Amirbagheri DRAWN BY Max Amirbagheri	CHECKED BY Donald Alsey STRUCTURAL REVIEW Donald Alsey	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL W-I WATER SS-I WASTE WATER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION WASH BUILDING GENERAL PLAN & BUILDING DATA	SHEET OF GP X X
GP.dgn TAEMWW Imperial Rev. 7/10 03-SEP-2014 11:33	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			UNIT PROJECT NUMBER & PHASE 3600 0713000206 EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-25-13 09-09-13	SHEET OF X X	

03-SEP-2014 11:33 GP.dgn

SHEET INDEX

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GP GENERAL PLAN & BUILDING DATA

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A0-3.3 ACCESSIBILITY STANDARD DETAILS

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A1-02 RINSE SLAB FLOOR PLAN

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A1-13 SECTION D

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ST-1b WOOD FRAMING STANDARD - NOTES

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ST-3 CONCRETE MASONRY UNIT TYPICAL DETAILS

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M0-2 MODIFIED MECHANICAL SITE PLAN

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SS1-5 DETAILS

SS1-6 LIFT STATION DETAILS

ACCESSIBILITY NOTES

ACCESSIBILITY NOTES

1. Pedestrian Path of Travel (POT) from either the site entrance on property line, or from (E) accessible parking to the new facility is not required to be in the scope of work, as the new facility is accessible only by vehicles.
2. If any POT is needed to access pedestrian door, then any vehicle may park next to the clear level area at the door (see Item 7 below) and access Wash Pad. The Equipment Room is accessible from inside Wash Pad.
3. POTs from (E) accessible parking to (E) BLDGs / facilities not altered under this project are not required to be included in the scope of work.
4. POTs from the new BLDG to (E) BLDGs / facilities not altered under this project are not required to be included in the scope of work.
5. POTs connecting (E) BLDGs / facilities not altered under this project are not required to be included in the scope of work.
6. The entire Wash Pad, Rinse Pad, and Equipment Room are made accessible as employee work areas having accessible door / opening and level floor W/ MAX 2% slope in any directions.
7. Pedestrian doors must have clear level areas on both sides of doors W/ MAX 2% slope in any direction. Clear level area at exterior door front approach in the direction of door swing must be MIN 60 inches x 60 inches (including MIN 24 inches pass door strike edge) for single door, or MIN 60 inches deep x double-door width for double doors; and opposite door swing must be MIN 48 inches deep x 36 inches wide (plus MIN 12 inches pass door strike edge if door has both latch and closer) for single door, or MIN 48 inches deep x double-door width for double doors.
8. Level change at the doorway and opening, including threshold thickness, must be MAX 1/2 inch W/ MAX 1:2 slope. Level change not exceeding 1/4 inch may be vertical.
9. Refer to Standard Exemption document on file for any applicable items exempt from access compliance.

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10-04-13 DATE

LICENSED ARCHITECT

D. E. ALSEY
No. C-26676
Exp. 07-31-15
STATE OF CALIFORNIA

8-25-14
PLANS APPROVAL DATE

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<p>ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA</p> <p>PROJECT ID 07130002061</p> <p>Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 10-04-13</p>	<p>CALIFORNIA STATE FIRE MARSHAL APPROVED</p> <p>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.</p> <p>Reviewed by: <i>[Signature]</i> AARON GREER Approval date: 10-16-13</p> <p>CSFM# 01-15-II-0007</p>
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ARCHITECTURAL ABBREVIATIONS

&	AND	EPS	EXPANDED POLYSTYRENE	LBS	POUNDS	RO	ROUGH OPENING
L	ANGLE	EQ	EQUAL	LF	LINEAR FEET	RSWN	RESAWN
∅	CENTER LINE	EQUIP	EQUIPMENT	LKR	LOCKER	RTE	ROUTE
∅	DIAMETER	ESCL	ESCALATOR	LLV	LONG LEG VERTICAL	RW	RETAINING WALL
□	OR ROUND	ETW	EDGE OF TRAVEL WAY	LOL	LAYOUT LINE	RWL	RAINWATER LEADER
□	SQUARE	EWC	ELECTRIC	LPG	LIQUEFIED	S	SOUTH
d	PENNY	EW/FD	WATER COOLER	LS	PETROLEUM GAS	SC	SOLID CORE
°	DEGREE	EXP	EYE WASH WITH FLOOR DRAIN	LVR	LAG SCREW	SCHED	SCHEDULE
ADA	AMERICANS WITH DISABILITIES ACT	EXPO	EXPANDED, EXPOSURE	M	LOUVER	SD	SOAP DISPENSER
A/C	AIR CONDITIONING	EXT	EXTERIOR	MAT	METER	SDST	SELF DRILLING
AC	ASPHALT CONCRETE	FD	FLOOR DRAIN	MAX	MATERIAL	SF	SELF TAPPING
AB	ANCHOR BOLT	FDN	FOUNDATION	MB	MAXIMUM	SHT	SQUARE FEET
ABV	ABOVE	FE	FIRE EXTINGUISHER	MBR	MACHINE BOLT	SH	SHELF
ACOUS	ACOUSTICAL	FEC	FIRE EXTINGUISHER	MECH	MEMBER	SHWR	SHOWER
ADJ	ADJUSTABLE	FF	FIRE EXTINGUISHER	MEMB	MEMBRANE	SHT	SHEET
ALT	ALTERNATE	FG	FIRE EXTINGUISHER	MET	METAL	SHTG	SHEATHING
ALUM	ALUMINUM	FH	FINISH FLOOR	MFR	MANUFACTURER	SIM	SIMILAR
APA	AMERICAN PLYWOOD ASSOCIATION	FHC	FINISH GRADE	MGR	MANAGER	SL	SCORE LINE
ARCH	ARCHITECTURAL, ARCHITECT	FHMS	FIRE HYDRANT	MH	MAN HOLE	SMS	SHEET METAL
ASPH	ASPHALT	FHW	FIRE HOSE CABINET	MIN	MINIMUM	SOHD	SECTIONAL OVERHEAD
BD	BOARD	FIN	FLATHEAD METAL SCREW	MIR	MISCELLANEOUS	SPS	DOOR
BIT	BITUMINOUS	FJ	FLATHEAD WOOD SCREW	MIW	MALLEABLE IRON	SQ	STRUCTURAL PLYWOOD
BLDG	BUILDING	FLASH	FINISH	mm	WASHER	SS	SHEATHING
BLK	BLOCK	FLR	FLOOR	MO	MILLIMETER	SST	SQUARE
BLKG	BLOCKING	FLUOR	FLASHING	MTD	MASONRY OPENING	STA	SAFETY ROADSIDE
BM	BEAM	FLUR	FLOOR	MUL	MOUNTED	STAG	REST AREA
BN	BOUNDARY NAILING	FRM	FLUORESCENT	N	MULLION	STAG	SERVICE SINK
BOT	BOTTOM	FRMG	FRAMING	ND	NORTH	STD	STAINLESS STEEL
BR	BRIDGE	FRPP	FIBERGLASS REINFORCED PLASTIC PANEL	NFPA	NAPKIN DISPOSAL	STDF	STATION
BTM	BOTTOM	FT	FEET, FOOT	NIC	NATIONAL FIRE PROTECTION ASSOCIATION	STF	STAGGER
BTWN	BETWEEN	FTG	FOOTING	NO	NOT IN CONTRACT	STL	STANDARD
BUR	BUILT-UP-ROOFING	FURR	FURRING	NOM	NUMBER	STOR	STOREFRONT
CJ	CONTROL JOINT	FWY	FREEWAY	NTS	NOMINAL	STRUC	STEEL
CL	CHAIN LINK	GA	GAUGE	OBSC	NOT TO SCALE	SUSP	STRUCTURAL
CAB	CABINET	GAL	GALLON	OC	OBSCURE	T	SUSPENDED
CB	CATCH BASIN	GALV	GALVANIZED	OD	ON CENTER	T&G	TREAD
CEM	CEMENT	GB	GRAB BAR	OFF	OUTSIDE DIAMETER	TB	TONGUE & GROOVE
CER	CERAMIC	GI	GALVANIZED IRON	OFD	OFFICE	TEL	TOLL BOOTH
CH	CLOTHES HOOK	GL	GLASS	OG	OVERFLOW DRAIN	TEMP	TELEPHONE
CIDH	CAST IN DRILLED HOLE	GLM	GLUE LAMINATED MEMBER	OH	ORIGINAL GROUND	TER	TEMPERED
CIP	CAST IN PLACE	GLZ	GLAZING	OH	OPPOSITE HAND	THK	TERRAZZO
CKBD	CHALKBOARD	GR	GRADE	OHD	OVERHEAD	THLD	TERRAZZO
CLG	CEILING	GSM	GALVANIZED SHEET METAL	OHWS	OVERHEAD WOOD SCREW	TJ	THICK
CMU	CONCRETE MASONRY UNIT	GYP	GYP	OP	OPERATIONS	TKBD	THRESHOLD
CLO	CLOSET	GYP SHTG	GYP SHTG	OPNG	OPENING	TN	TOOLED JOINT
CLR	CLEAR	HB	HOSE BIB	OPP	OPPOSITE	TNVM	TACKBOARD
COL	COLUMN	HC	HOLLOW CORE	OPT	OPTION, OPTIONAL	TOC	TOE NAIL
CONC	CONCRETE	HD	HOLLOW DOWN	P	PITCH	TOP	TAMPON/NAPKIN VENDING MACHINE
CONN	CONNECTION	HDR	HEADER	PB	POST BASE	TOS	TOP OF CURB OR CONCRETE
CONST	CONSTRUCTION	HDWD	HARDWOOD	PC	POST CAP	TOT	TOP OF PAVEMENT
CONT	CONTINUOUS	HDWR	HARDWARE	PCC	PORTLAND CEMENT CONCRETE	TOW	TOP OF SLOPE
CORR	CORRIDOR	HEX	HEXAGONAL	PDF	POWDER DRIVEN FASTENERS	TOT	TOTAL
CPT	CARPET	HF	HEMLOCK-FIR	PH	PHILLIPS HEAD	TOW	TOP OF WALL
CT	CERAMIC TILE	HGR	HANGER	PL	PLATE	TS	TUBE STEEL
CTR	CENTER	HM	HOLLOW METAL	PLAM	PLASTIC LAMINATE	TSCD	TOILET SEAT COVER DISPENSER
CTSK	COUNTERSUNK	HORIZ	HORIZONTAL	PLAS	PLASTER	TTD	TOILET TISSUE DISPENSER
CY	CUBIC YARD	HP	HIGH POINT	PLYWD	PLYWOOD	TTY	TELETYPEWRITER
DBL	DOUBLE	HR	HOUR	PMF	PRESSED METAL FRAME	TYP	TYPICAL
DEPT	DEPARTMENT	HSB	HIGH STRENGTH BOLT	PR	PAIR	UNF	UNFINISHED
DET	DETAIL	HSS	HOLLOW STRUCTURAL SECTION	PRTN	PARTITION	UON	UNLESS OTHERWISE NOTED
DF	DOUGLAS FIR	HT	HEIGHT	PT	POINT	UR	URINAL
DIA	DIAMETER	HVAC	HEATING, VENTILATING, AIR CONDITIONING	PTD	PAPER TOWEL DISPENSER	VAR	VARIES
DIM	DIMENSION	HWH	HIGHWAY	PTD/R	PAPER TOWEL DISPENSER /RECEPTACLE	VCT	VINYL COMPOSITION TILE
DN	DOWN	ID	INSIDE DIAMETER	PVC	POLYVINYL CHLORIDE	VERT	VERTICAL
DP	DEEP	IN	INCH	PWB	PREFABRICATED WOOD I BEAM	VEST	VESTIBULE
DR	DOOR	INFO	INFORMATION	QT	QUARRY TILE	VR	VENT RISER
DS	DOWNSPOUT	INSUL	INSULATION	(R)	RELOCATED	VTR	VENT THRU ROOF
DWG	DRAWING	INT	INTERIOR	R	RADIUS, RISER	W	WEST
DWR	DRAWER	INT	INTERIOR	R/W	RIGHT OF WAY	W/	WITH
(E)	EXISTING	JAN	JANITOR	RD	ROOF DRAIN	W/O	WITHOUT
E	EAST	JB	JUNCTION BOX	RDWD	REDWOOD	WC	WATER CLOSET
EA	EACH	JH	JOIST HANGER	REF	REFERENCE	WD	WOOD
EF	EXHAUST FAN	JST	JOIST	REFG	REFRIGERATOR	WDW	WINDOW
EHD	ELECTRIC HAND DRYER	JT	JOINT	REFG	REFRIGERATOR REINFORCED(ING)	WH	WATER HEATER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	KIT	KITCHEN	REQ	REQUIRED	WP	WORKING POINT
EJ	EXPANSION JOINT	LAB	LABORATORY	RFG	ROOFING	WR	WATER RESISTANT
EL	ELEVATION (HEIGHT)	LAV	LAVATORY	RFSWN	ROUGHSAWN	WSCT	WAINSCOT
ELEC	ELECTRICAL	LBF	POUND-FORCE	RH	ROUND HEAD	WT	WEIGHT
ELEV	ELEVATION (VIEW)			RHWS	ROUND HEAD WOOD SCREWS	WTPR	WATERPROOFING
ELVR	ELEVATOR			RJ	ROOF JOIST	WWF	WELDED WIRE FABRIC
EMER	EMERGENCY			RM	ROOM	YD	YARD
ENCL	ENCLOSURE						
EP	EDGE OF PAVEMENT						
EPB	ELECTRICAL PANELBOARD						

GENERAL NOTES

- Verify all controlling dimensions and field conditions before ordering or fabricating any materials or assemblies.
- Notify the Engineer in writing of any discrepancies between these plans and actual measurements or field conditions.

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8-25-14
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061 Reviewed by: Date: 10-04-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: Approval date: 10-16-13
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SYMBOLS

	GRID LINE
	MATCH LINE
	WORKING POINT
	ROOM NUMBER
	ROOM FINISH SCHEDULE
	DOOR DESIGNATION
	WINDOW DESIGNATION
	LOUVER DESIGNATION
	COLOR DESIGNATION

	BUILDING SECTION LETTER
	SHEET
	ADDITIONAL REFERENCE (IF USED)
	DETAIL NUMBER
	SHADED ARROW INDICATES ELEVATION DRAWN
	ELEVATION LETTER; SHEET
	ELEVATION LETTER; ELEVATION DRAWN ON SAME SHEET
	DRAWN ON SAME SHEET

DESIGN SUPERVISOR	DESIGNER MAX AMIRBAGHERI	CHECKED BY DON ALSEY	SHEET LEGEND A-I ARCHITECTURAL ST-I STRUCTURAL M-I MECHANICAL EE-I ELECTRICAL P-I PLUMBING WW-I WASTEWATER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION WASH BUILDING	ARCHITECTURAL ABBREVIATIONS, SYMBOLS AND GENERAL NOTES	SHEET A0-2
DESIGN ARCHITECT	DRAWN BY MAX AMIRBAGHERI	STRUCTURAL REVIEW	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT 3600	PROJECT NUMBER & PHASE 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	TAEMWW Imper1al Rev. 7/10 28-AUG-2014 14:46

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		10-19-12
LICENSED ARCHITECT		DATE

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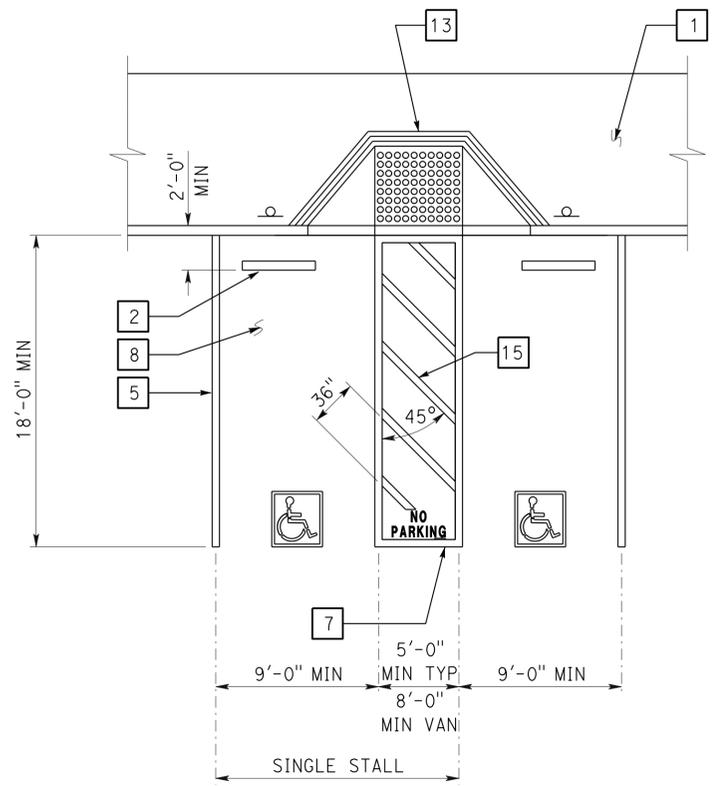
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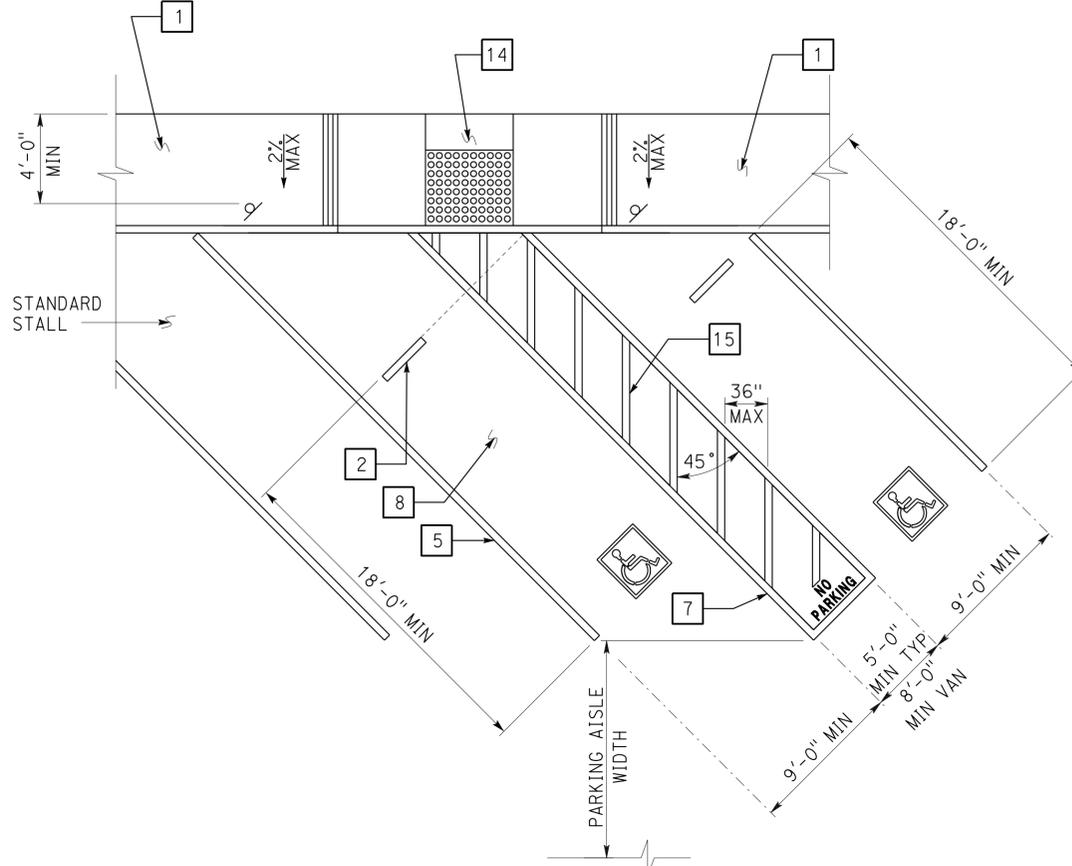
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KEYED NOTE LEGEND FOR DETAILS

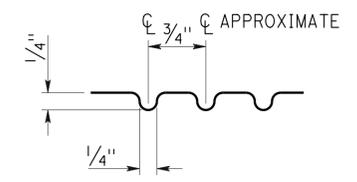
- Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
- Parking bumper (away from access aisle). See Specifications.
- 1' wide grooved border on level surface typical at ramp perimeter. See Detail 3 on this sheet.
- 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See specifications for painting.
- 4" wide blue border designating non-parking access aisle to curb ramp.
- Maximum slope on parking stall and access aisle to be 2%.
- Level landing -2% max slope w/36" deep detectable warning surface adjoining access aisle or vehicular way. See Detail 6 on this sheet.
- Detectable warning surface to extend full width and min 36" deep from front edge of sidewalk. See Detail 6 on this sheet.
- Curb ramp. See Detail 4 on this sheet. Also see plans for width and layout (may vary).
- Curb ramp. See Detail 5 on this sheet. Also see plans for width and layout (may vary).
- 4" wide white hatched lines to contrast with asphalt surface. Use blue hatched lines for light-color concrete surface.



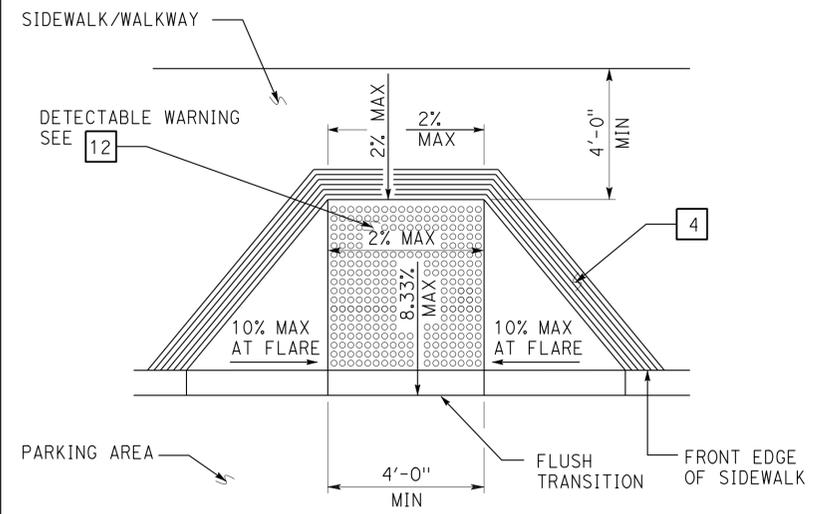
1 ACCESSIBLE PARKING STALL



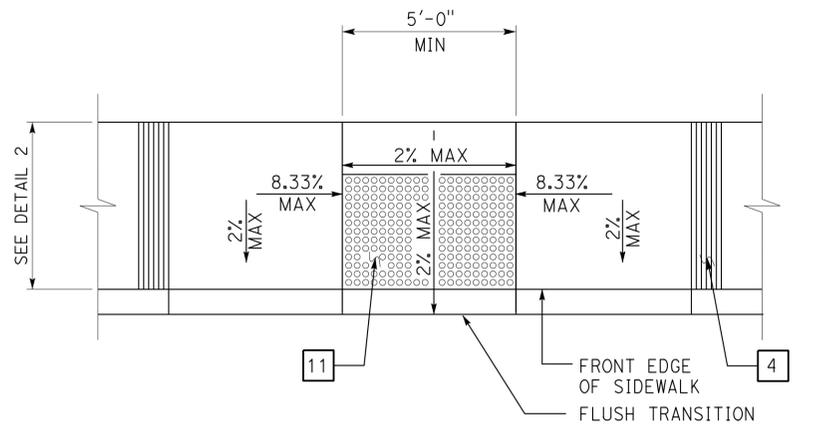
2 DIAGONAL ACCESSIBLE PARKING STALL
See plan for any variation of diagonal parking. Angle of parking stalls must either match the existing angle or be indicated on plans.



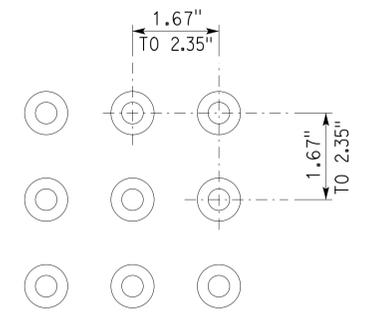
3 GROOVE DETAIL



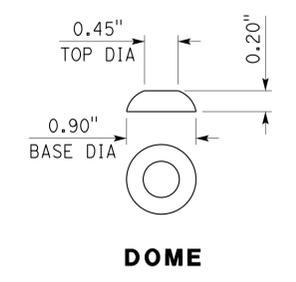
4 PERPENDICULAR CURB RAMP



5 PARALLEL CURB RAMP



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



DOMES

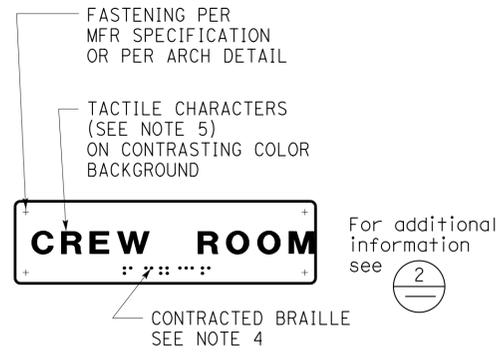
DETAILS
No scale unless otherwise noted

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

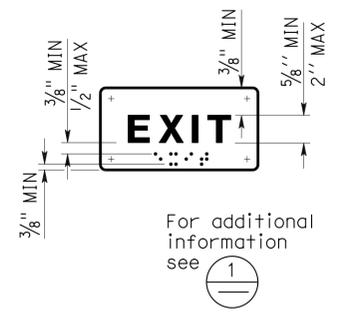
STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		LEBEC MAINTENANCE STATION		SHEET	
FILE NO. _____	DESIGN BY D. Aisey	CHECKED Y. A. Wang	APPROVED	ARCHITECTURAL		50M5725		POST MILE		ACCESSIBILITY		A0-3.1	
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		STRUCTURAL DESIGN		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		OF	
SUBMITTED BY Y.A. Wang				UNIT 3600		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET		OF	
a0_03a_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		PROJECT NUMBER & PHASE 07130002061		04-13-12 04-25-13		06:09		03-SEP-2014 06:09	

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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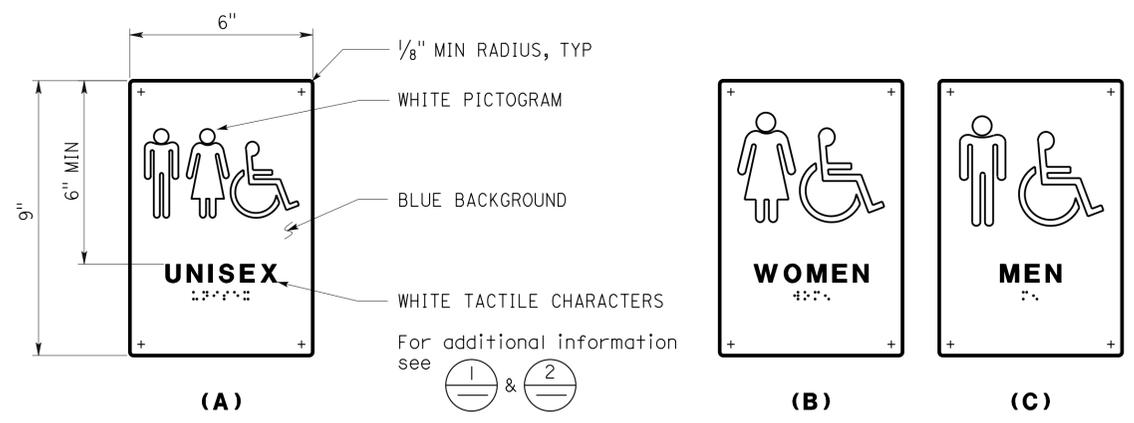
		10-19-12	
LICENSED ARCHITECT		DATE	
8-25-14			
PLANS APPROVAL DATE			
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.			



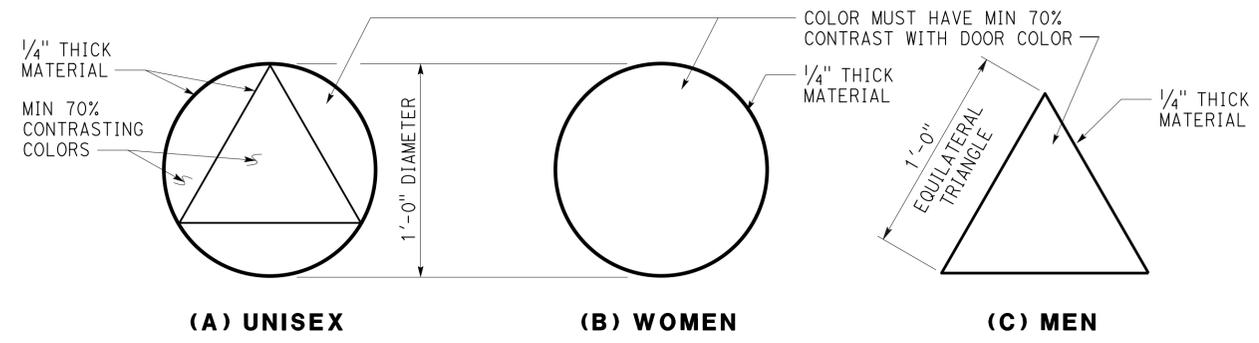
1 ROOM IDENTIFICATION SIGN
 Install per Detail 5. Text varies. See plans, ext elevations, or door schedule for locations and text. See Detail 7 for sign mounting heights.



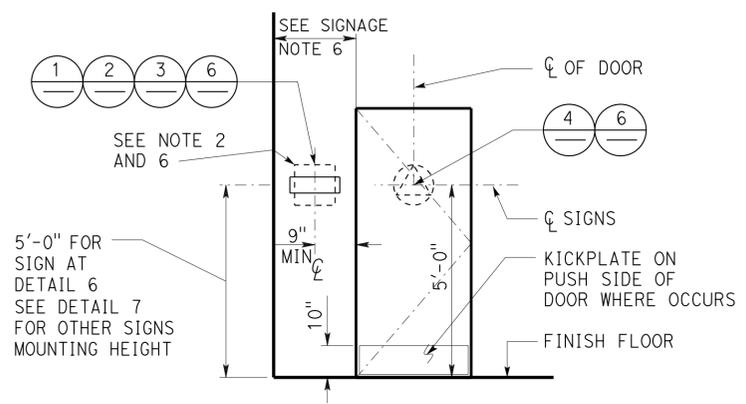
2 INTERIOR EXIT SIGN
 Install per Detail 5. Text may vary. See plans, or door schedule for locations and text. See Detail 7 for sign mounting heights.



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



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



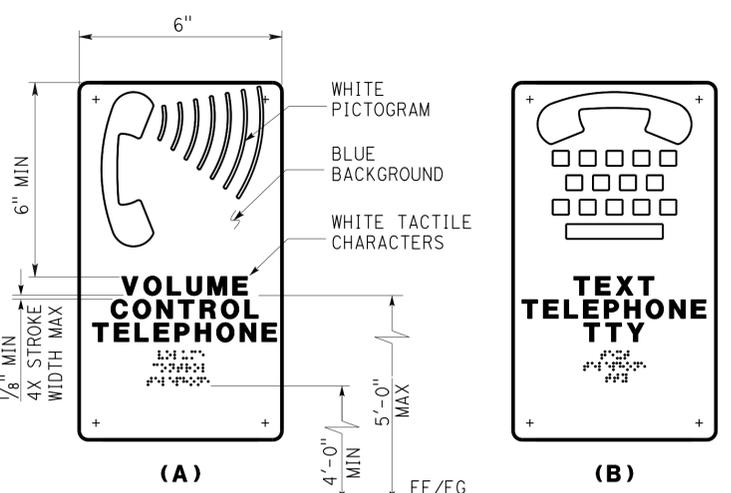
5 SIGN LOCATIONS
 Refer to signage notes for additional information.

- SIGNAGE NOTES:**
1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on inactive leaf at double doors, or to the right of right hand door at double doors with two active leaves.
 2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
 3. See door schedule for text and sign location, UON.
 4. Contracted Braille: dots must be 1/10" OC in each cell with 2/10" space between cells measured from the second column of dots in the first cell to the first column of dots in the second cell. Dots must be raised a minimum of 1/40" above the background. Dots must be domed or rounded.
 5. Tactile characters must be uppercase sans serif raised 1/32" minimum. Fonts must be selected where width of letter "O" is 60% minimum and 110% maximum of height of letter "I". Stroke thickness of letter "I" is 10% minimum and 20% maximum of height of the character.
 6. Provide 18" x 18" minimum clear floor space in front of and centered on any tactile sign.
 7. Sign color must have a minimum of 70% contrast to door or wall color. Text and pictogram must have a minimum of 70% contrast to sign color.
 8. Tactile character height is measured based on height of uppercase letter "I".

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: 10-04-13
Reviewed by: AARON GREER Approval date: 10-16-13	CSFMP 01-15-II-0007



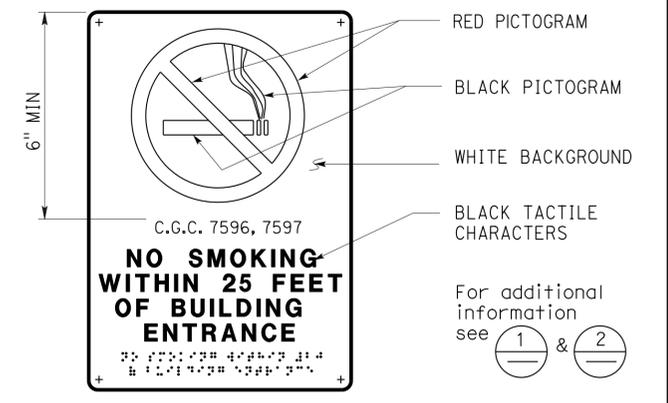
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN
 Install per Detail 5. See plans, elevations, or schedule for sign locations. Decal may be used.



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



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



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

DETAILS
 No scale unless otherwise noted

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

STANDARD DRAWING				STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO.		LEBEC MAINTENANCE STATION		SHEET	
FILE NO. 10-12	DESIGN BY D. Aalsey	CHECKED Y. A. Wang	APPROVED	ARCHITECTURAL AND STRUCTURAL DESIGN		50M5725		ACCESSIBILITY		ACCESSIBILITY STANDARD DETAILS		A0-3.3	
DRAWING DATE 10-12	DETAILS BY D. Good	CHECKED Y. A. Wang	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION		POST MILE		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET		OF	
SUBMITTED BY Y.A. Wang				UNIT PROJECT NUMBER & PHASE 3600 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		04-13-12 04-25-13		SHEET		OF	
a0_03c_i.dgn				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		EA 2W5401		28-AUG-2014 15:40		a0_03c_1.dgn			

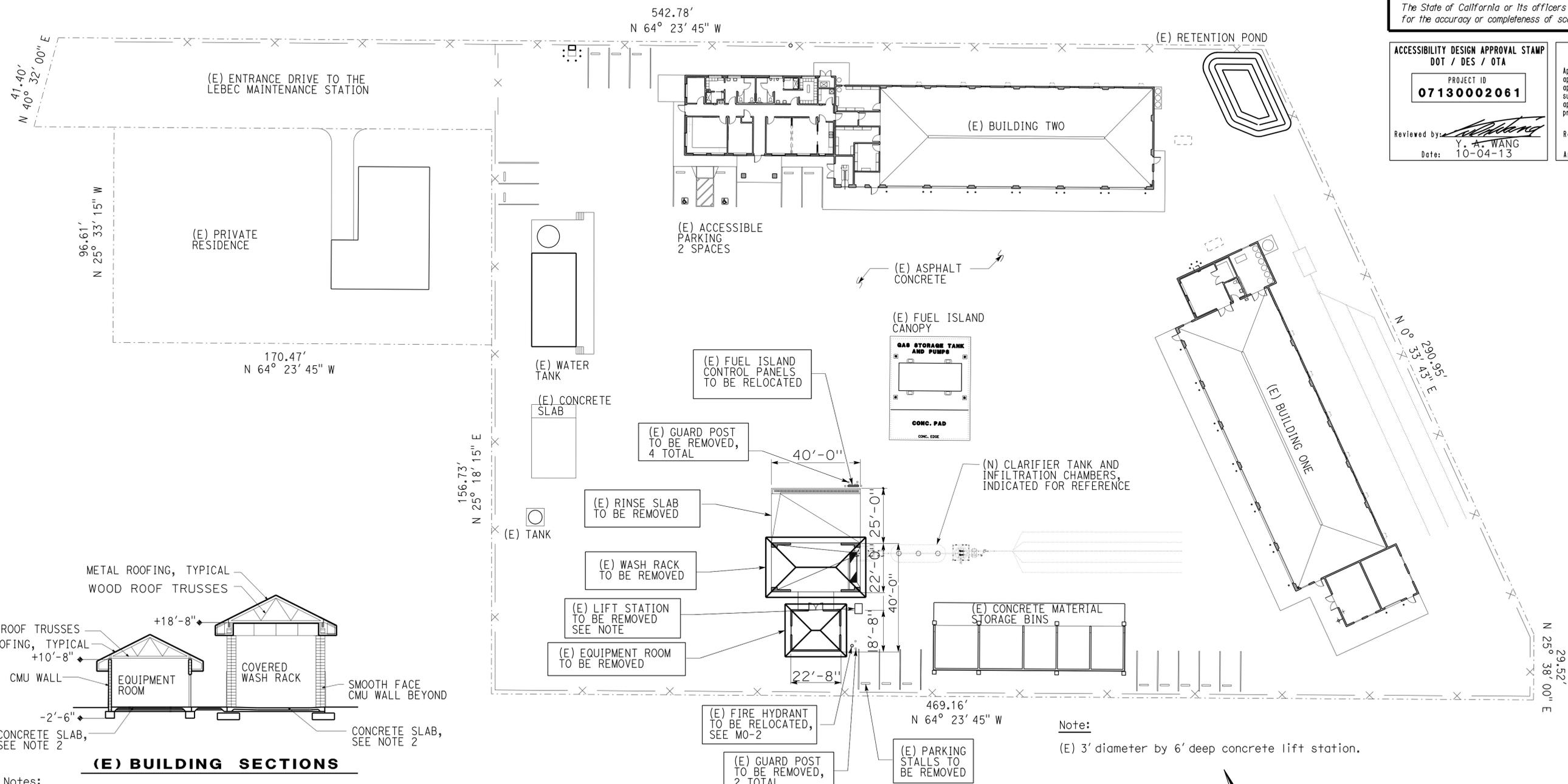
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		19	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
 D. E. ALSEY
 No. C-26676
 Exp. 07-31-15
 STATE OF CALIFORNIA

8-25-14
 PLANS APPROVAL DATE

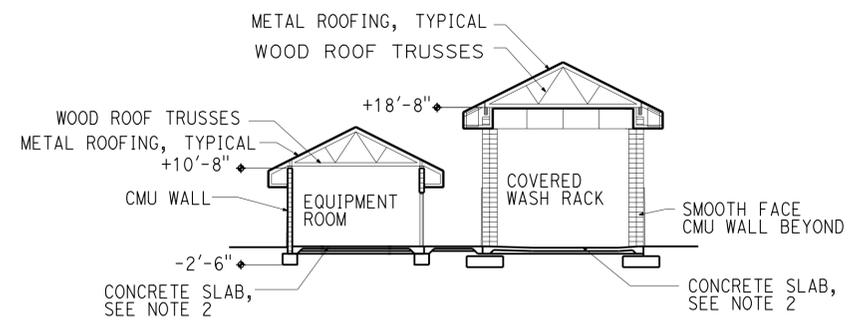
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061

Reviewed by: Y. A. WANG
 Date: 10-04-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
 Reviewed by: AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007



(E) BUILDING SECTIONS

- Notes:
1. Remove entire buildings, including concrete slabs and foundations.
 2. Repave with 6" thick hot mix asphalt (Type A) over 6" thick aggregate base minimum, where required.

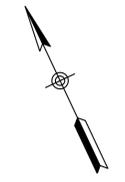
(E) WASH RACK & EQUIPMENT ROOM

NO SCALE

SITE REMOVAL PLAN

SCALE 1" = 30'-0"
 SEE SHEET GP FOR ADDITIONAL INFORMATION

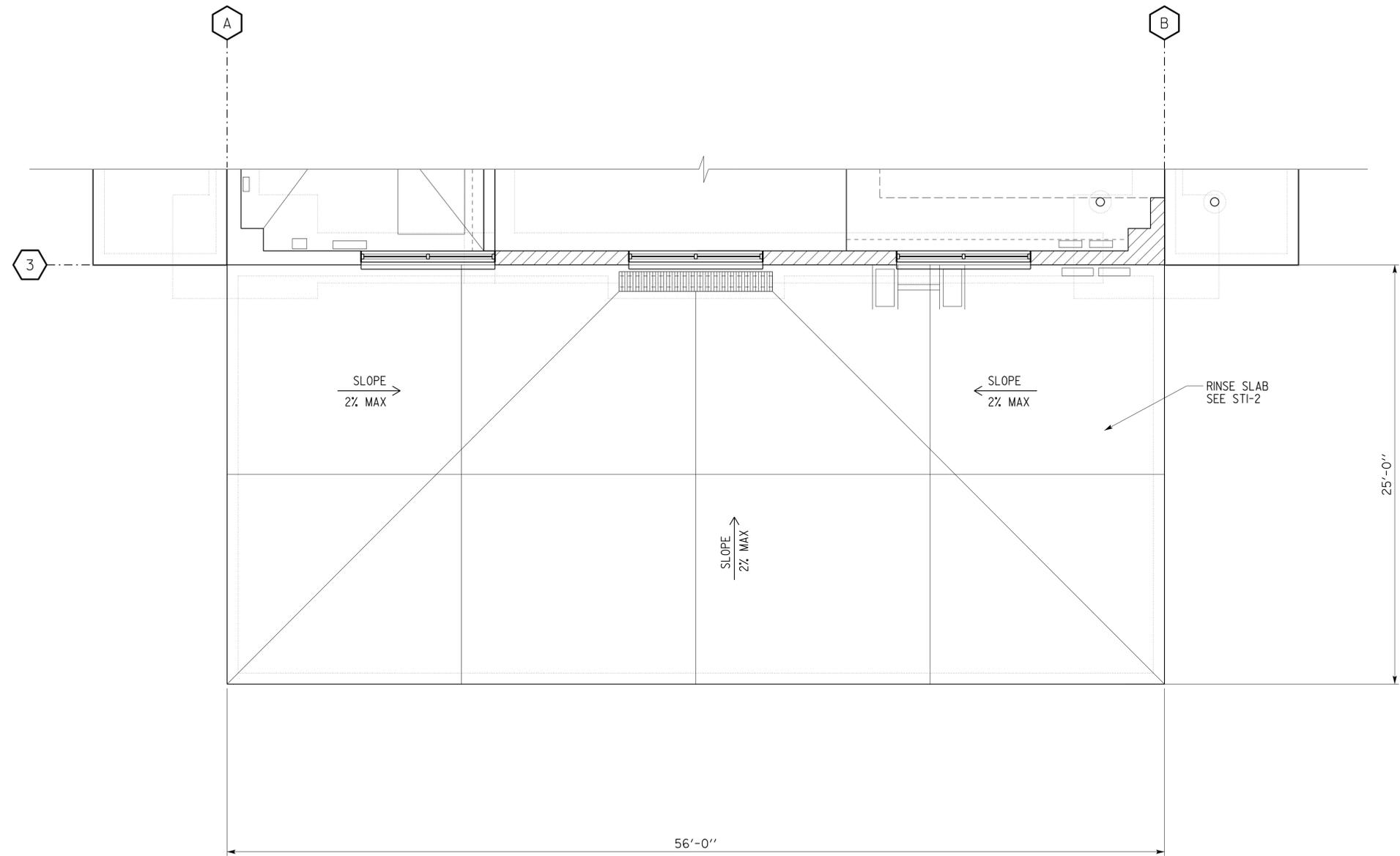
Note:
 (E) 3' diameter by 6' deep concrete lift station.



A1-01.dgn TAEMWW Imperial Rev. 7/10 04-SEP-2014 05:57	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	SITE REMOVAL PLAN	SHEET OF A1-01
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07130002061 EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF X X

04-SEP-2014 05:57

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		20	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14					
PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: 10-04-13	Reviewed by: AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007

See GP Sheet for building orientation

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

A1-02.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:07	DESIGN BY Max Amirbagheri CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION	SHEET OF A1-02		
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-25-13 09-09-13	SHEET OF X X

26-AUG-2014 08:07

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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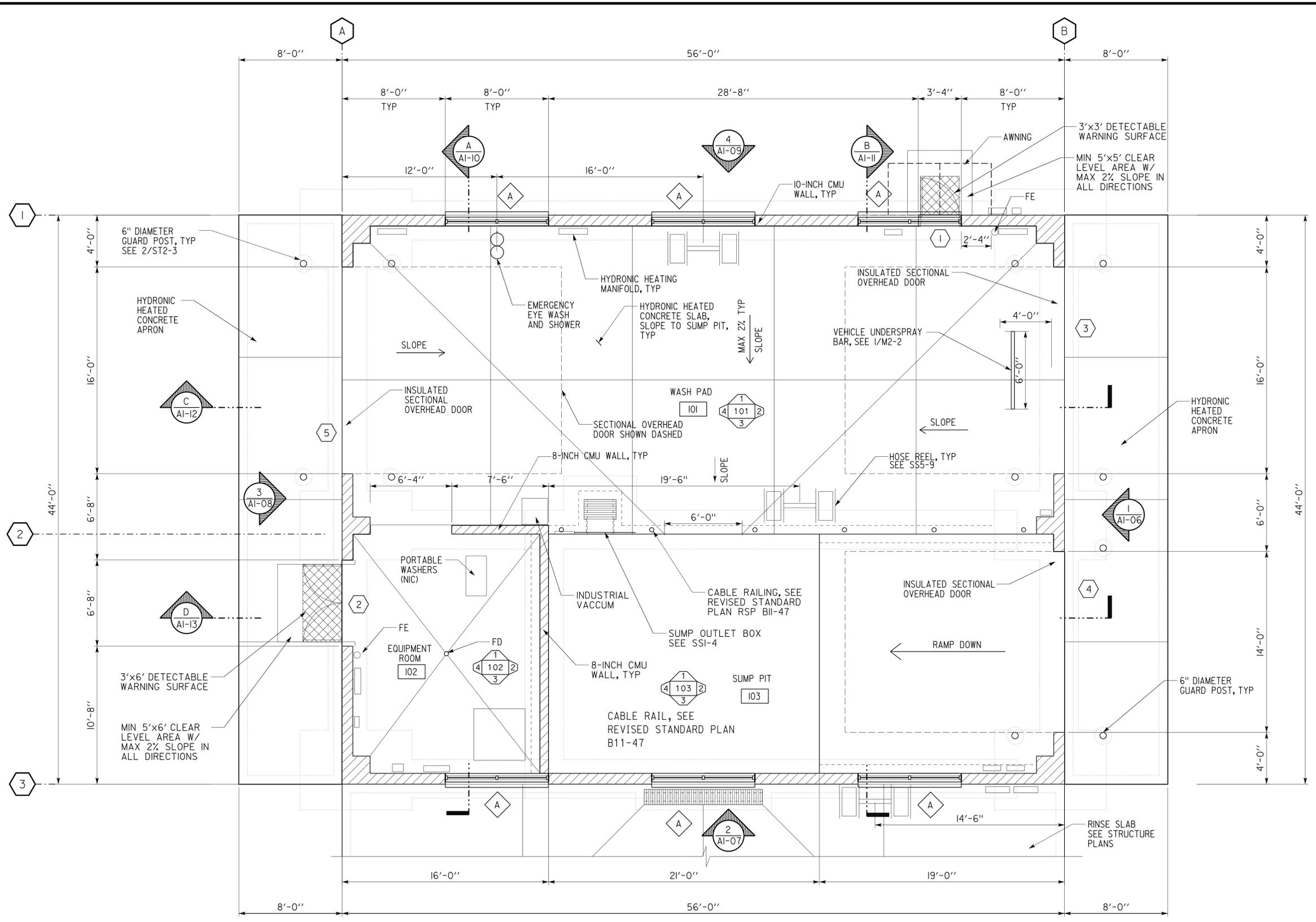
Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE

LICENSED ARCHITECT
 D. E. ALSEY
 No. C-26676
 Exp. 07-31-15
 STATE OF CALIFORNIA

8-25-14
 PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: 10-04-13	Reviewed by: <i>[Signature]</i> AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007



Note:

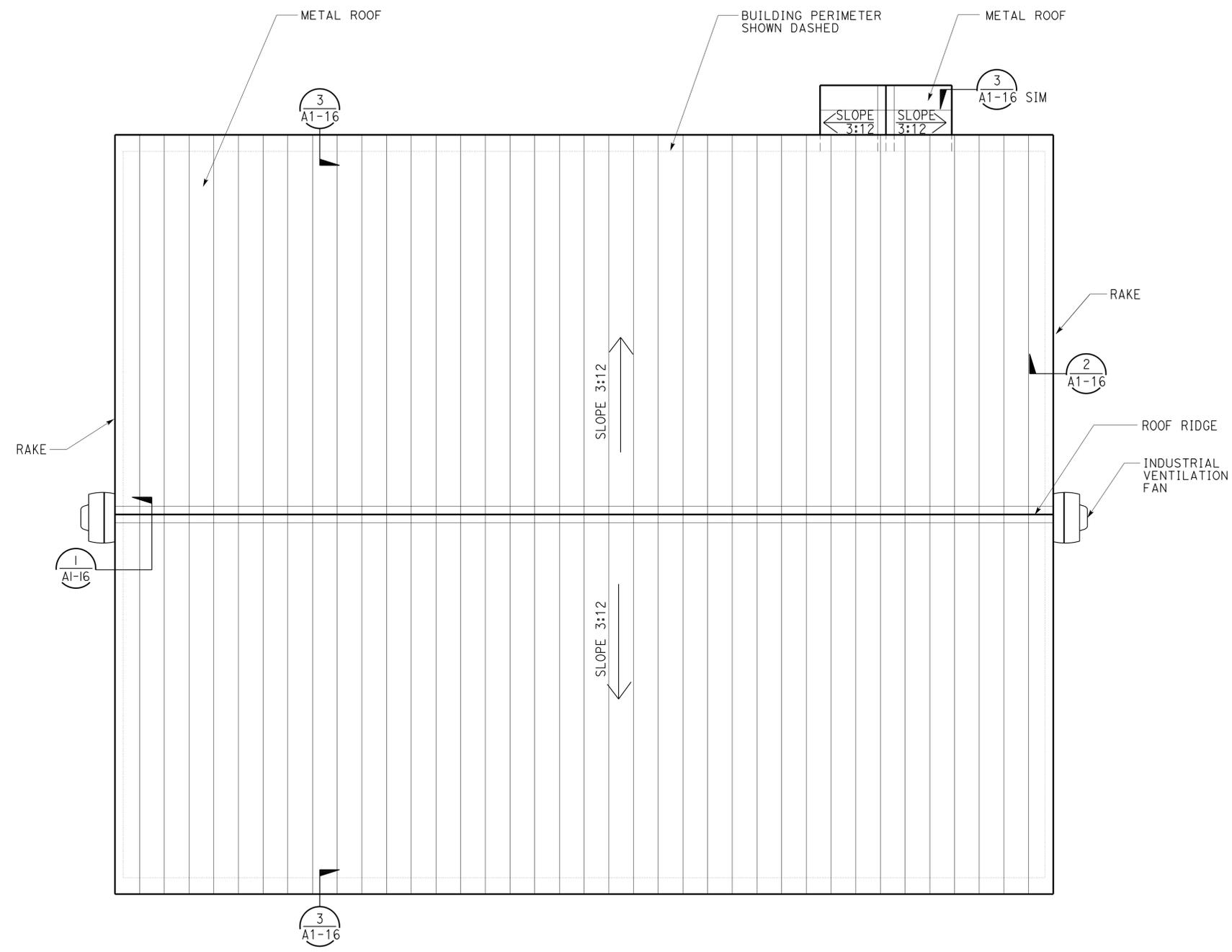
- Fire Extinguisher must be Type 2A20BC

See GP Sheet for building orientation
PLAN
 SCALE 1/4" = 1'-0"

A1-03.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:07	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	SHEET OF A1-03
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	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 04-25-13 09-09-13	SHEET OF X X

26-AUG-2014 08:07

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		22	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
<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>					

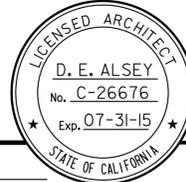


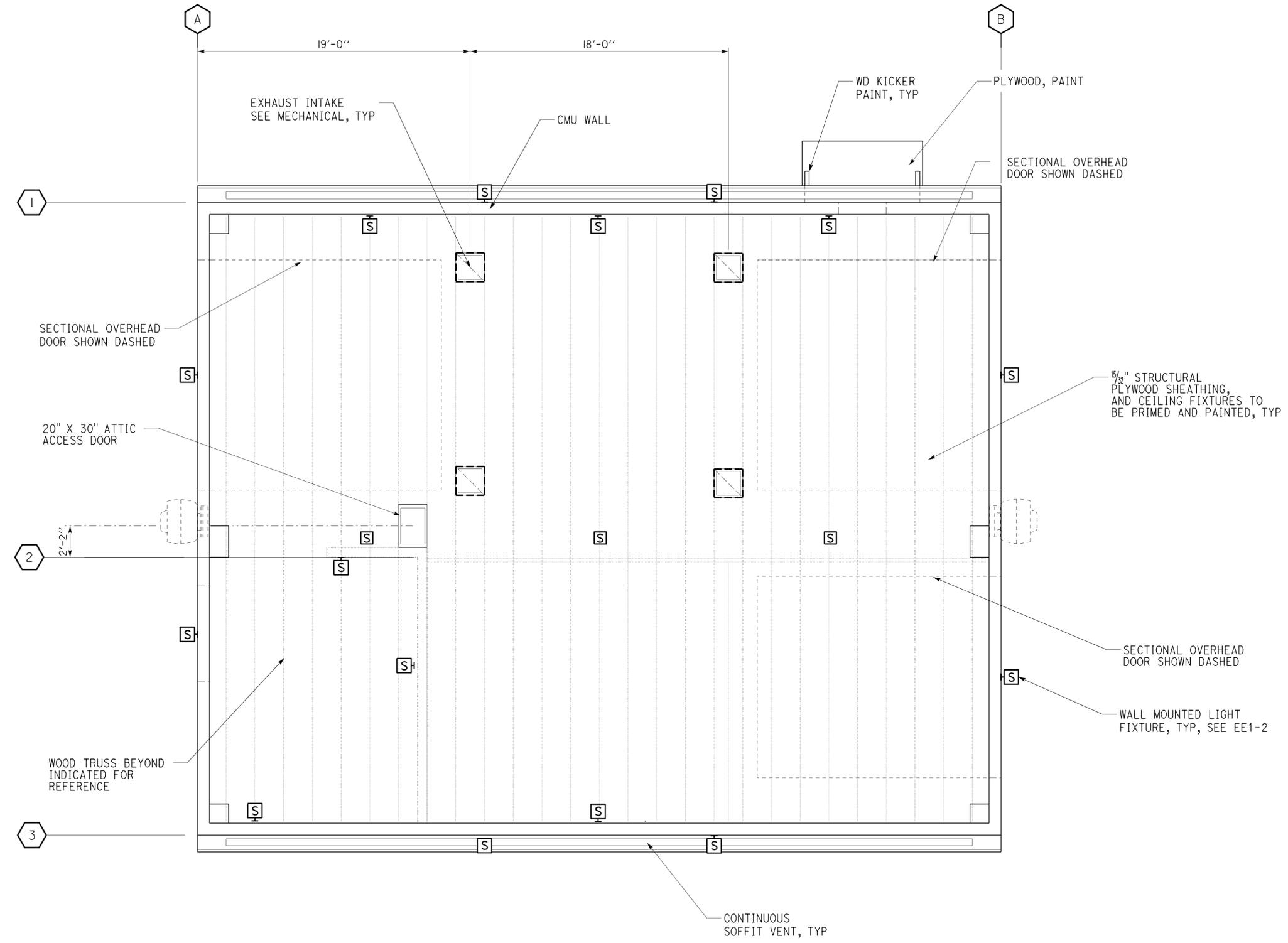
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.
Reviewed by: Y. A. WANG Date: 10-04-13	Reviewed by: AARON GREER Approval date: 10-16-13
CSFM# 01-15-II-0007	

See GP Sheets for building orientation
ROOF PLAN
 SCALE 1/4" = 1'-0"

A1-04.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	SHEET OF A1-04
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE		
28-AUG-2014 15:40	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 04-25-13	X X
EA 2W5401							

28-AUG-2014 15:40

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		23	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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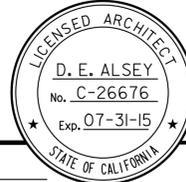


ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by:  AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007
Reviewed by:  Y. A. WANG Date: 10-04-13	

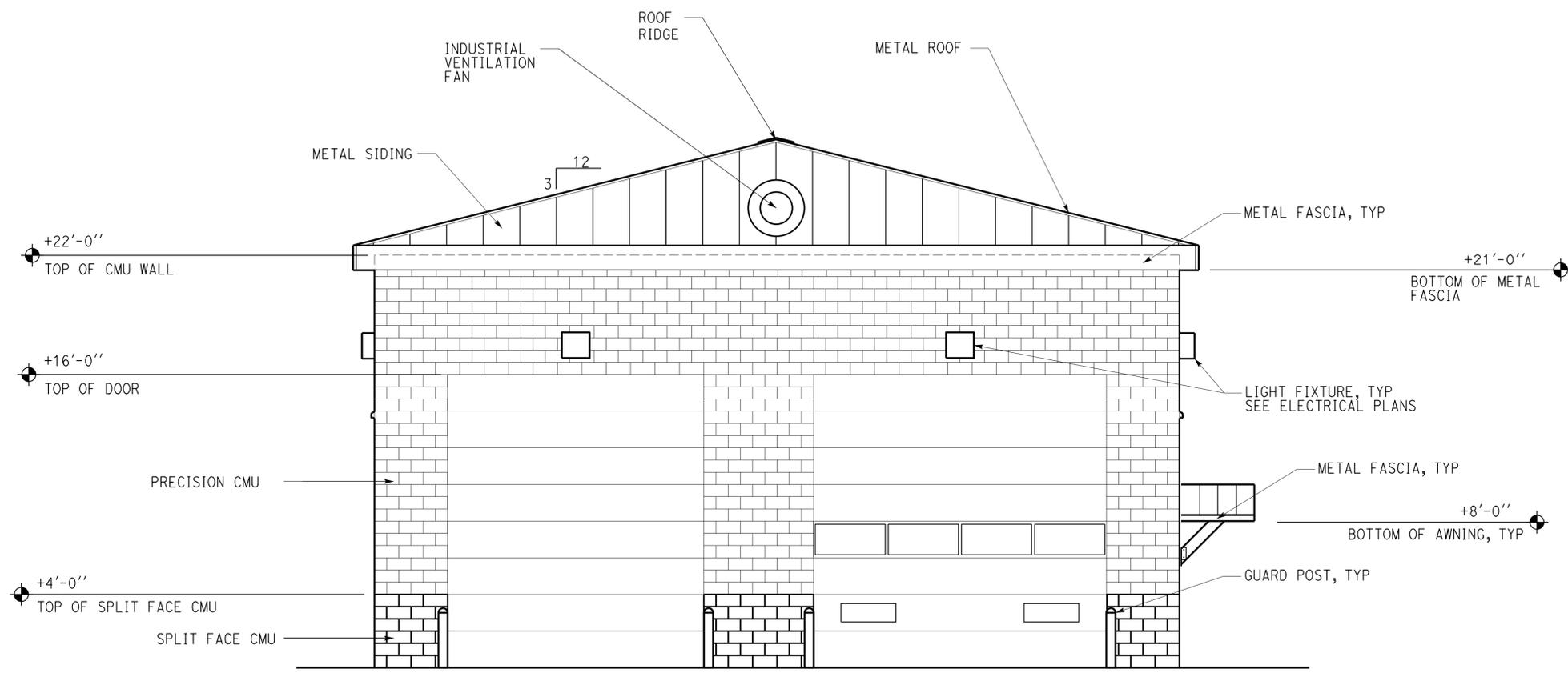
REFLECTED CEILING PLAN
SCALE 1/4" = 1'-0"

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	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 04-25-13	X X

28-AUG-2014 15:40

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		24	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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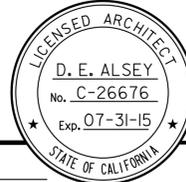
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Reviewed by:  Y. A. WANG Date: 10-04-13	Reviewed by:  AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007



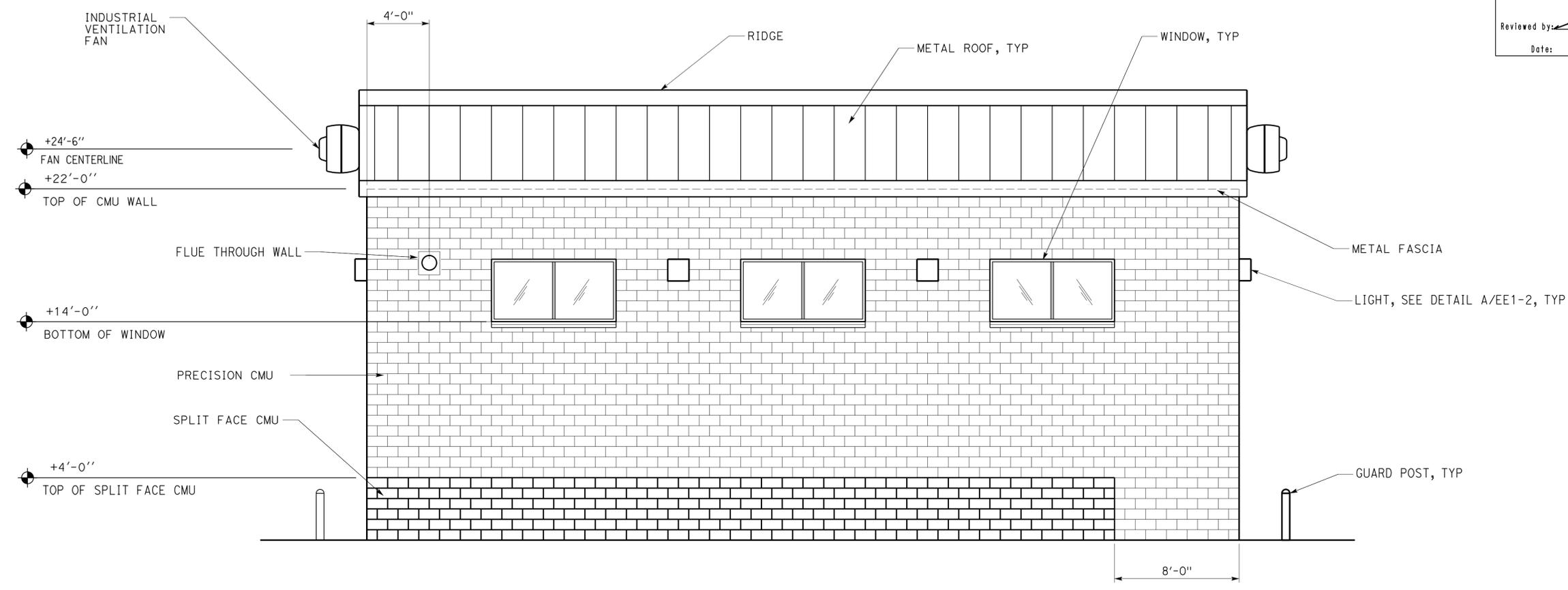
1 EXTERIOR ELEVATION
SCALE 1/4" = 1'-0"

A1-06.dgn TAEMWW Imperial Rev. 7/10	26-AUG-2014 08:07	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	EXTERIOR ELEVATION I	SHEET OF A1-06 X X
		DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
		QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES			

26-AUG-2014 08:07

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		25	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: 10-04-13	Reviewed by:  AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007



2 EXTERIOR ELEVATION
 SCALE: 1/4" = 1'-0"

A1-07.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	EXTERIOR ELEVATION 2	SHEET OF A1-07
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
03-SEP-2014 06:09	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12	04-23-13	X X

03-SEP-2014 06:09

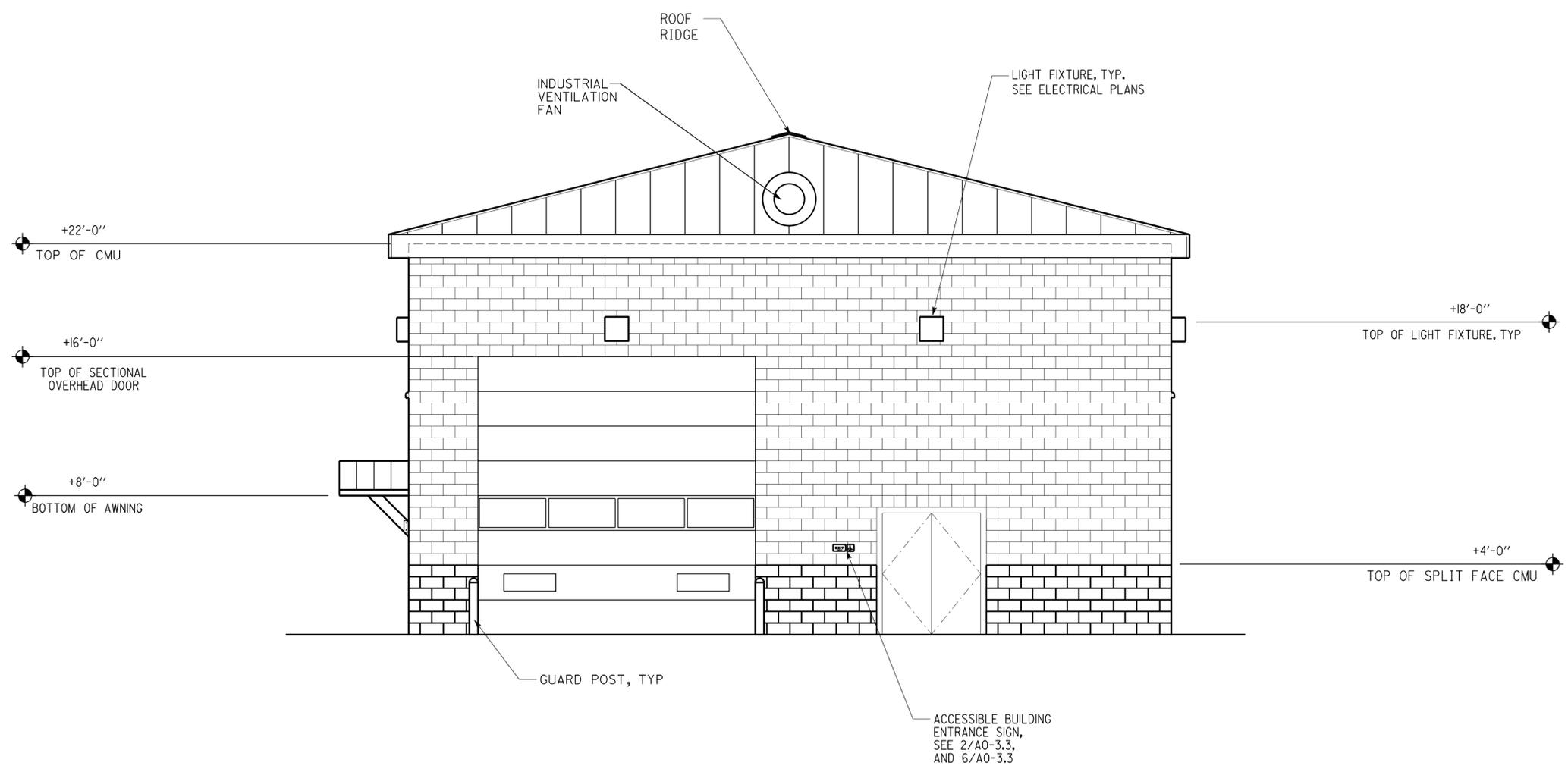
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		26	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 LICENSED ARCHITECT D. E. ALSEY
 No. C-26676
 Exp. 07-31-15
 STATE OF CALIFORNIA

8-25-14
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 10-04-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007



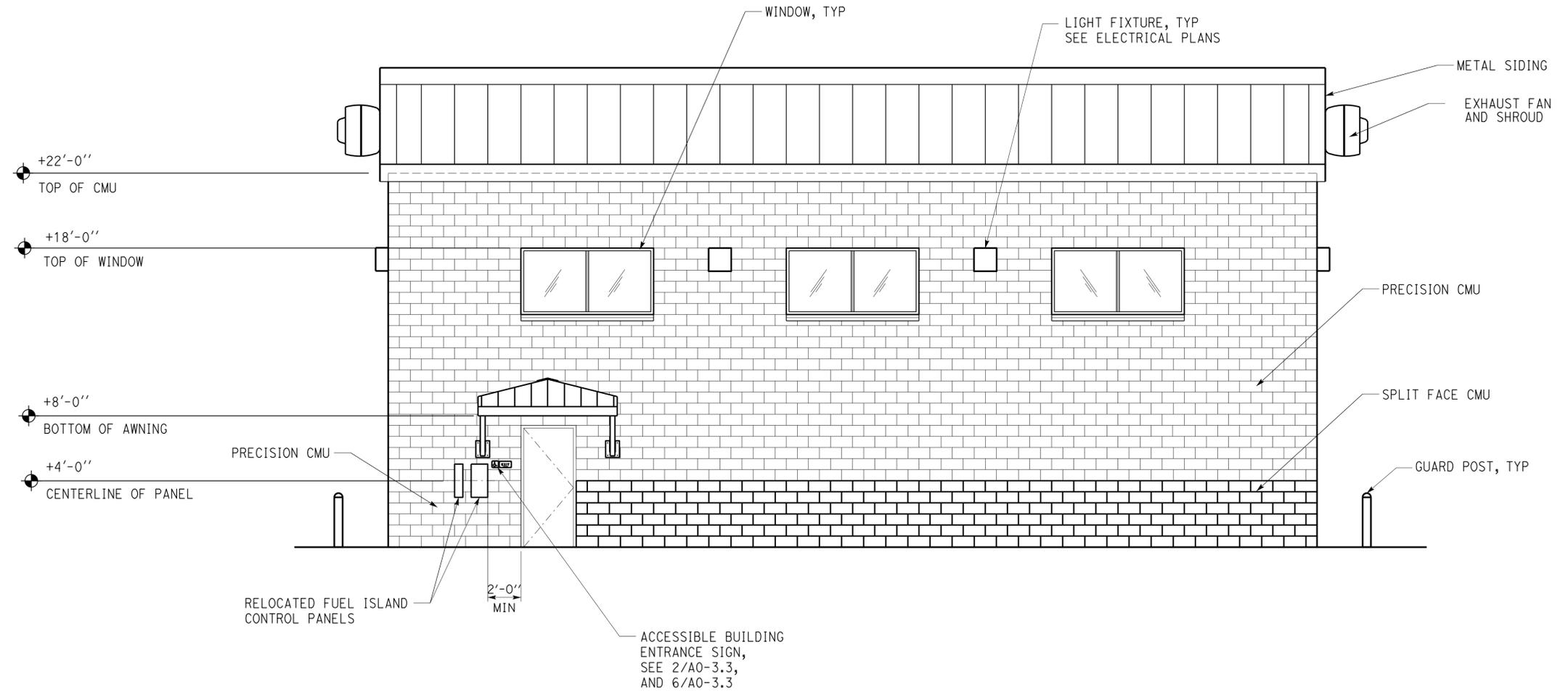
3 EXTERIOR ELEVATION
SCALE 1/4" = 1'-0"

A1-08.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	EXTERIOR ELEVATION 3	SHEET OF X X
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
26-AUG-2014 08:46	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07130002061	EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	04-13-12 04-25-13 09-09-13		

26-AUG-2014 08:46

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		27	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
<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>					

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: 10-04-13	Reviewed by: AARON GREER Approval date: 10-16-13
CSFM# 01-15-II-0007	



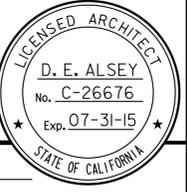
4A EXTERIOR ELEVATION
 SCALE 1/4" = 1'-0"

A1-09.dgn TAEMWW Imperial Rev. 7/10	28-AUG-2014 15:41	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	EXTERIOR ELEVATION 4	SHEET OF A1-09
		DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT PROJECT NUMBER & PHASE 3600 07130002061	EA 2W5401	A1-09.dgn			

28-AUG-2014 15:41

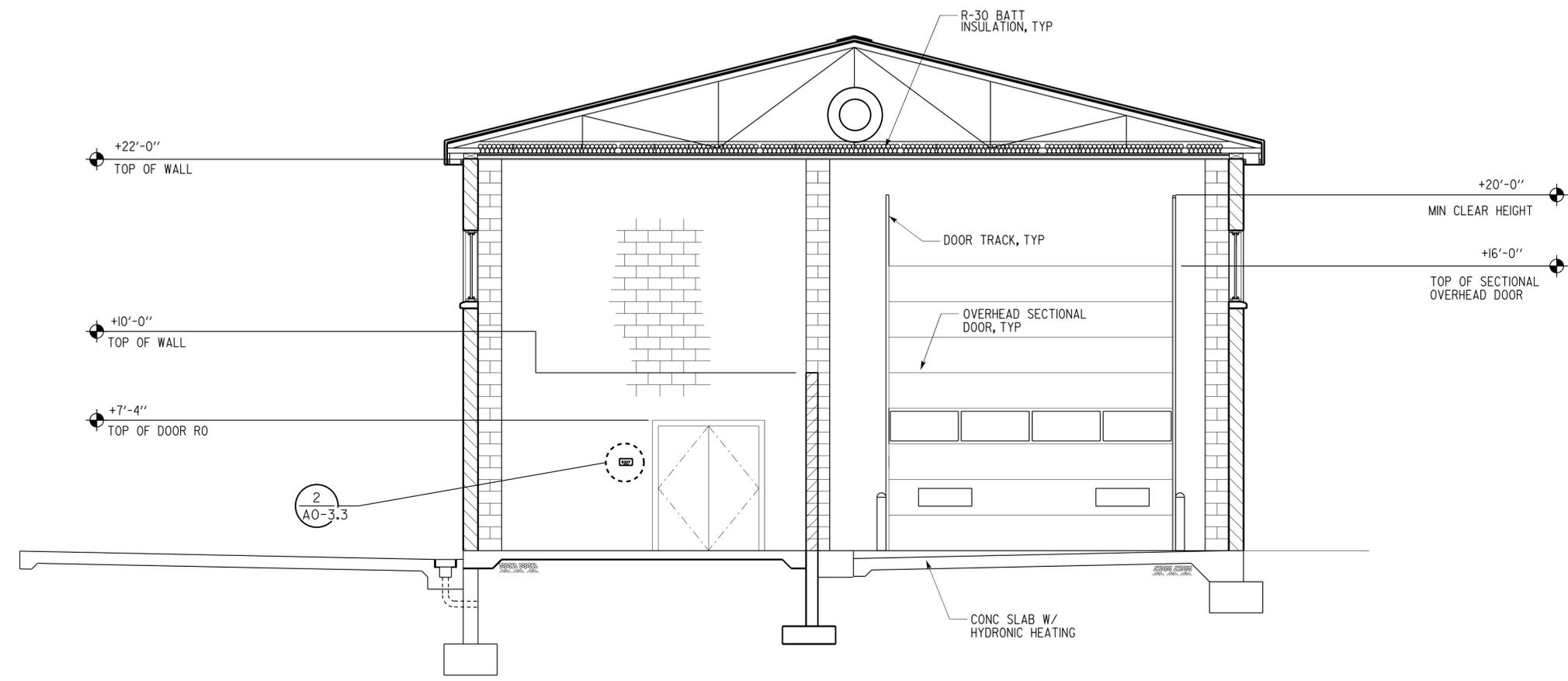
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		28	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 8-25-14
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 10-04-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007



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

A1-10.dgn TAEMWW Imperial Rev. 7/10	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING	SECTION A	SHEET OF A1-10
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE			
26-AUG-2014 08:46	QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF X X	A1-10.dgn	

26-AUG-2014 08:46

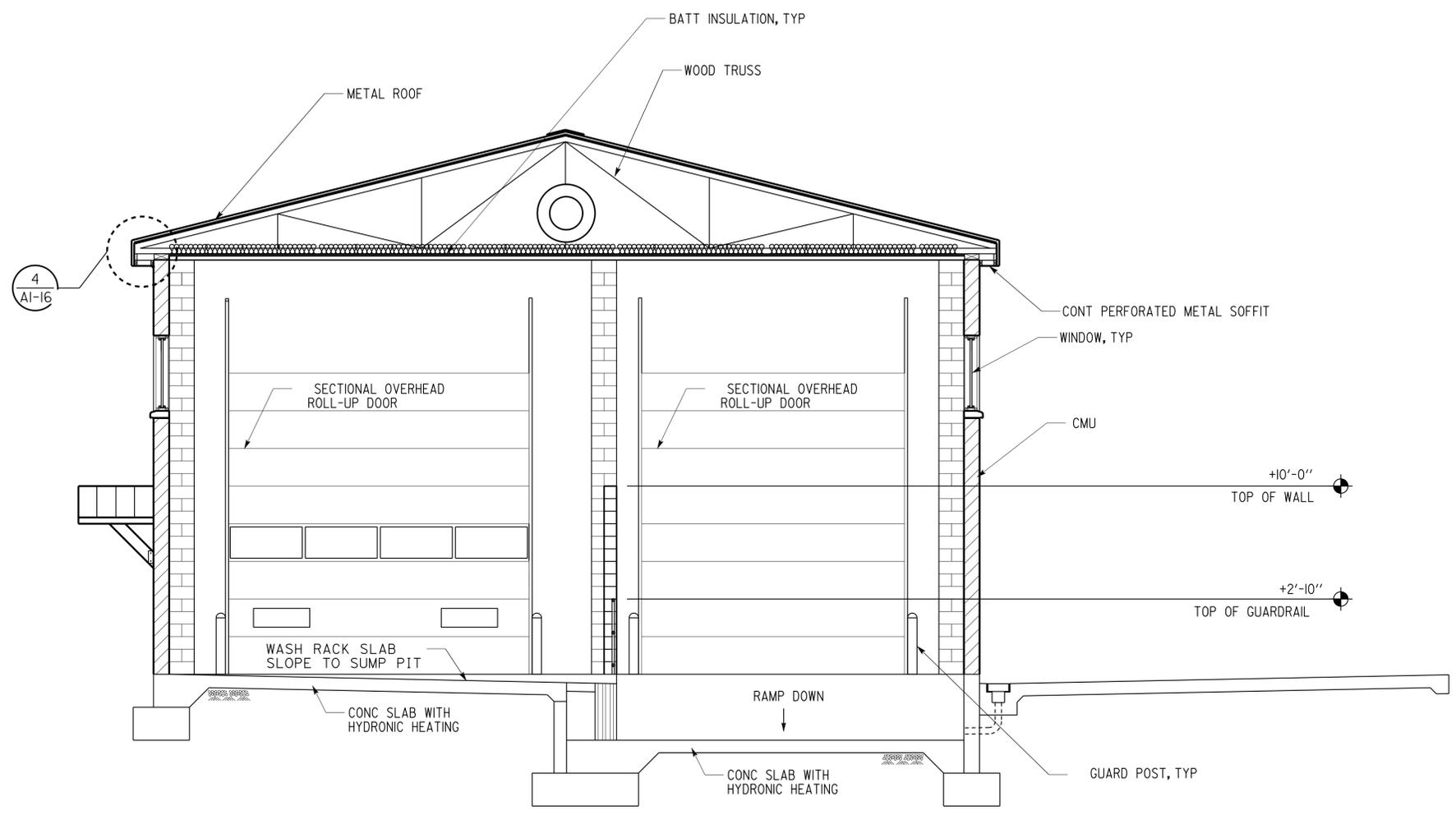
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		29	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 8-25-14
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061
 Reviewed by: *Y. A. Wang*
 Y. A. WANG
 Date: 10-04-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *Aaron Greer*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007

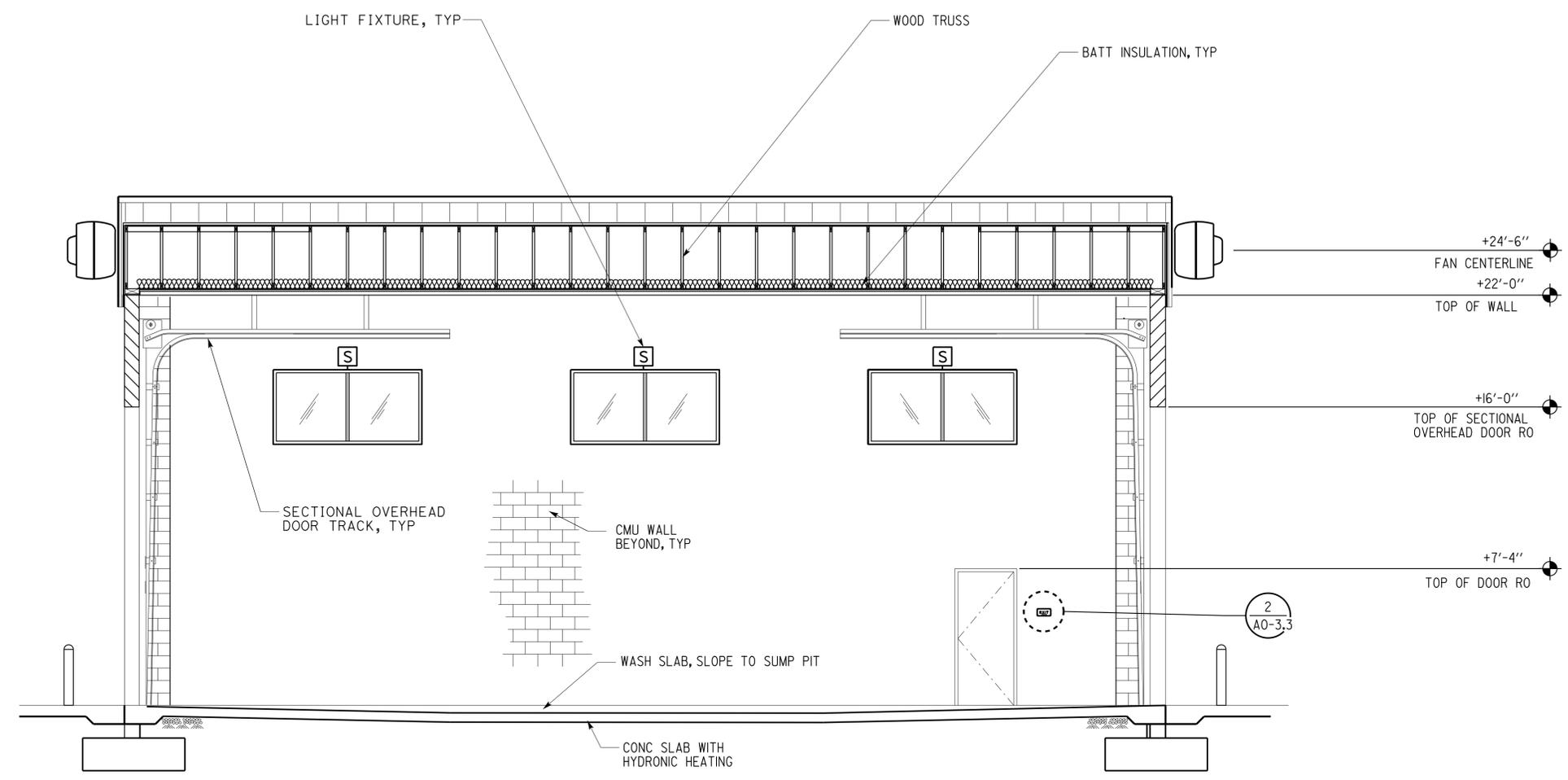


SECTION B
 SCALE 1/4" = 1'-0"

A1-11.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:46	DESIGN BY Max Amirbagheri CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION		SHEET
	DETAILS BY Max Amirbagheri CHECKED Donald Alsey		QUANTITIES BY CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07130002061 EA 2W5401	WASH BUILDING	SECTION B	A1-11
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF X X

26-AUG-2014 08:46

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		30	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: AARON GREER Approval date: 10-16-13 CSFMA 01-15-II-0007
Reviewed by: Y. A. WANG Date: 10-04-13	

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

A1-12.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:46	DESIGN BY Max Amirbagheri CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION SECTION C	SHEET OF A1-12
	DETAILS BY Max Amirbagheri CHECKED Donald Alsey			POST MILE		
	QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07130002061 EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES 04-13-12 08-28-13	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X

26-AUG-2014 08:46

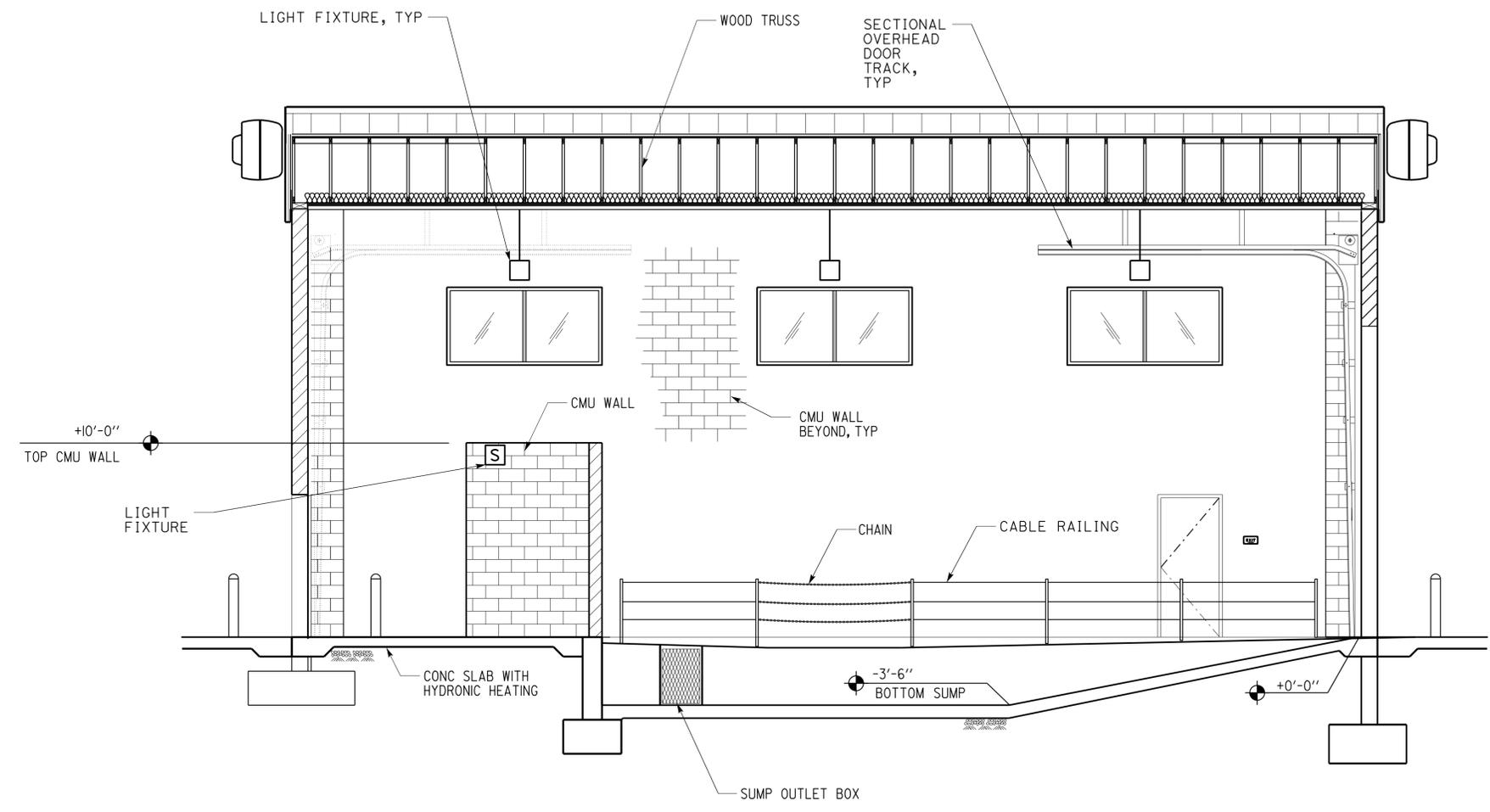
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		31	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 8-25-14
 PLANS APPROVAL DATE
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ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 10-04-13

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007



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

A1-13.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:46	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION		SHEET
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey		ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	WASH BUILDING	SECTION D	A1-13
QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07130002061		EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	

26-AUG-2014 08:46

DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		32	97

Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 8-25-14
 PLANS APPROVAL DATE
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DOOR FRAME AND DOOR SCHEDULE

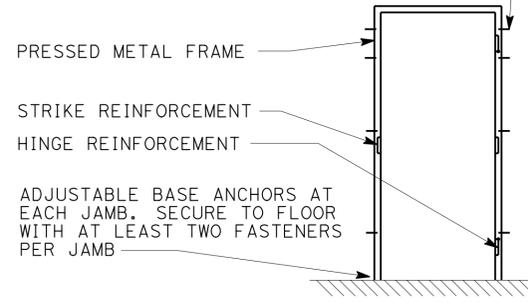
DOOR NO.	DOOR TYPE	OPENING SIZE WIDTH X HT	DOOR THICKNESS	DOOR		FRAME				HDWR GROUP	GLAZING	LOUVER	SIGN DETAIL NO.	DETAILS			REMARKS
				MAT	FIN	MAT	TYPE	FIN	WIDTH					HEAD	JAMB	THLD	
1	A	3'-0" x 7'-0"	1 3/4"	METAL	PAINT	METAL	1	PAINT	8 3/4"	1			2,6/A0-3.3	1 A1-17	2 A1-17	3 A1-17	See Notes: 1, 2
2	B	3'-0" x 7'-0" (PAIR)	1 3/4"	METAL	PAINT	METAL	2	PAINT	8 3/4"	2			2,6/A0-3.3	4 A1-17	5 A1-17	3 A1-17	See Notes: 1, 2
3	C1	16'-0" x 16'-0"		METAL	PAINT	METAL		PAINT	TRACK		Y	Y		1 A1-18	2 A1-18	3 A1-18	See Notes: 1, 3
4	C2	14'-0" x 16'-0"		METAL	PAINT	METAL		PAINT	TRACK		Y	Y		1 A1-18	2 A1-18	3 A1-18	See Notes: 1, 3
5	C1	16'-0" x 16'-0"		METAL	PAINT	METAL		PAINT	TRACK		Y	Y		1 A1-18	2 A1-18	3 A1-18	See Notes: 1, 3

- Notes:
- Insulated door.
 - Mount EXIT sign, interior, strike side, +8'-0" FF
 - Manually operated louver.

ACCESSIBILITY DESIGN APPROVAL STAMP
 DOT / DES / OTA
 PROJECT ID
07130002061
 Reviewed by: *[Signature]*
 Y. A. WANG
 Date: 10-04-13

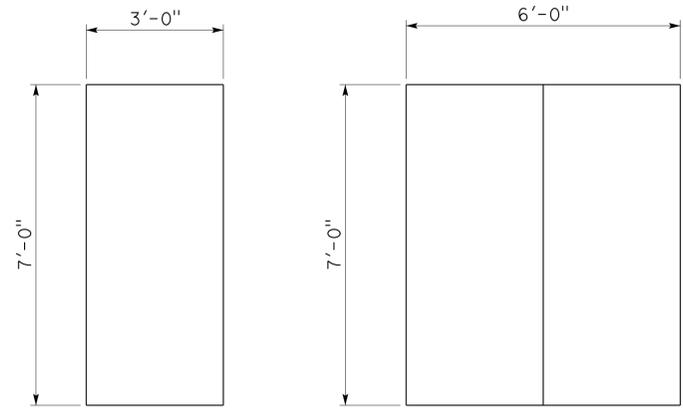
CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: *[Signature]*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007

JAMB ANCHOR, 4 PER JAMB. LOCATE AN ANCHOR ABOVE EACH HINGE REINFORCEMENT AND BELOW THE TOP HINGE REINFORCEMENT. ANCHORS ON STRIKE SIDE TO OCCUR DIRECTLY OPPOSITE THOSE ON HINGE SIDE. FOR FRAMES OVER 4'-0" WIDE, INSTALL TWO ANCHORS AT HEAD.



DOOR FRAME ANCHORAGE

NO SCALE

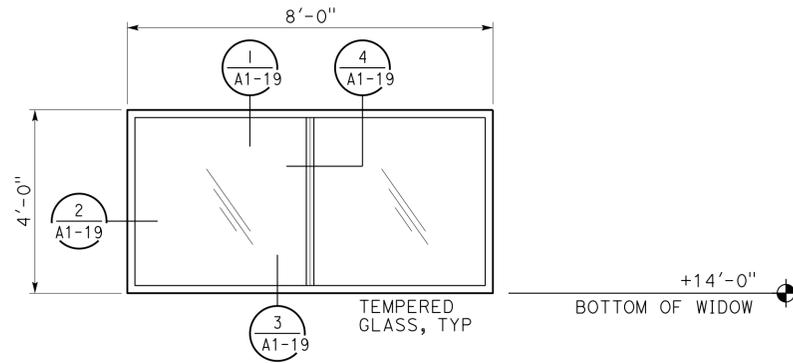


DOOR TYPE A

DOOR TYPE B

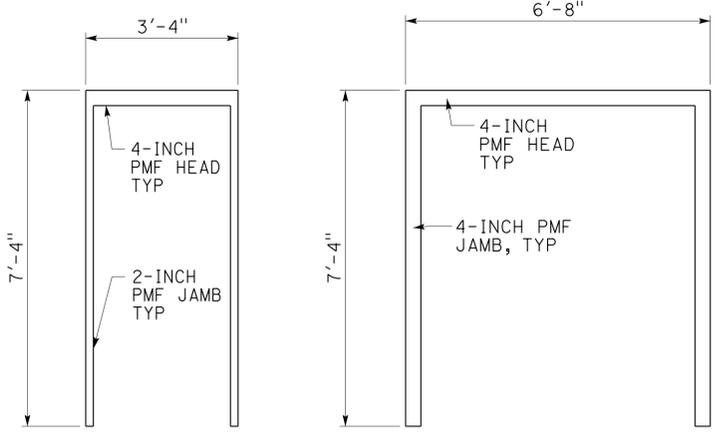
DOOR TYPE

NO SCALE



WINDOW TYPE

NO SCALE

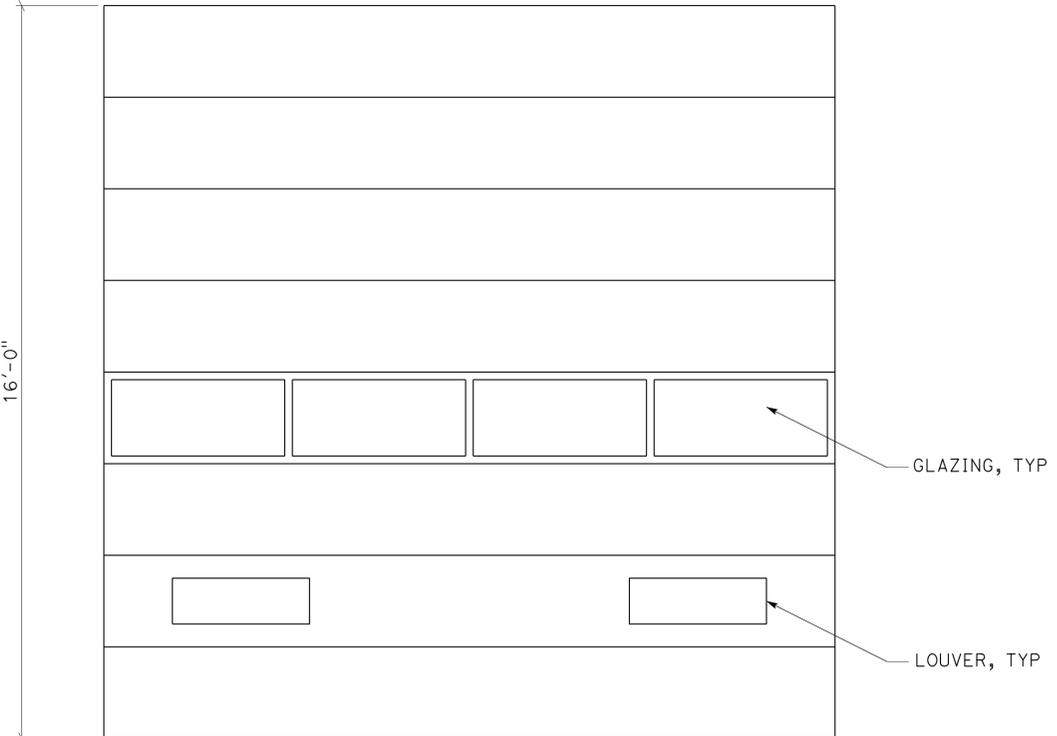


FRAME TYPE 1

FRAME TYPE 2

FRAME TYPE

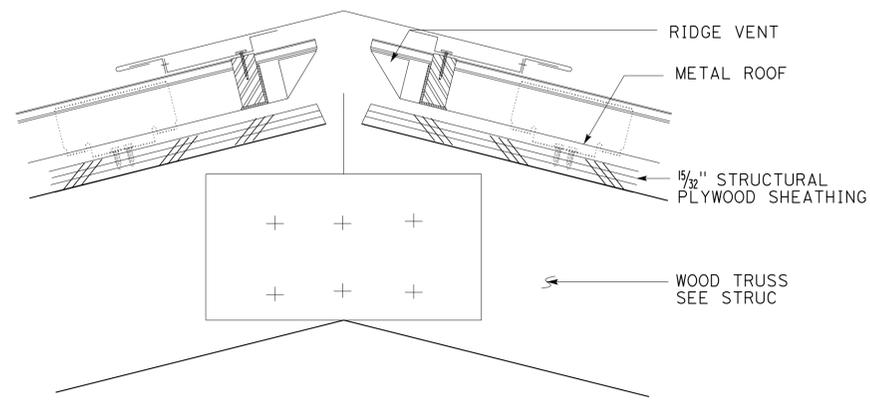
NO SCALE



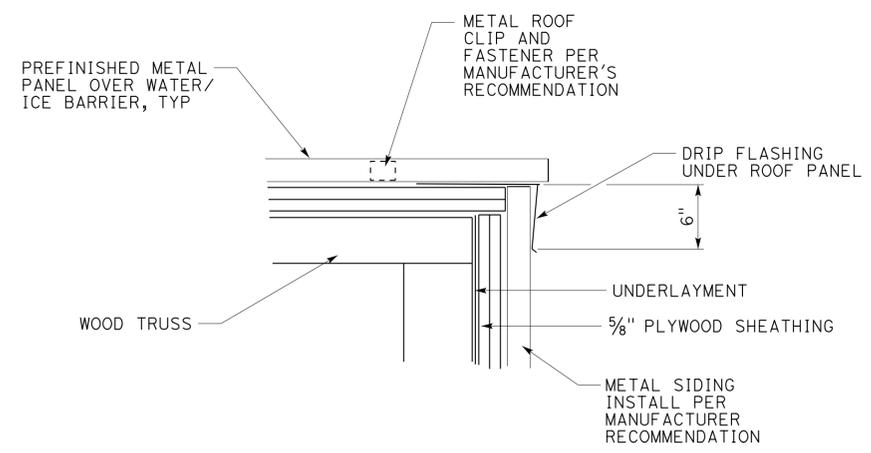
DOOR TYPE C1 WIDTH: 16'-0"
DOOR TYPE C2 WIDTH: 14'-0"

A1-14.dgn TAEMWW Imperial Rev. 7/10 28-AUG-2014 15:41	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION		SHEET OF A1-14
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey			POST MILE	WASH BUILDING	DOOR & WINDOW SCHEDULE	
	QUANTITIES BY	CHECKED	UNIT PROJECT NUMBER & PHASE 3600 07130002061	EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	28-AUG-2014 15:41

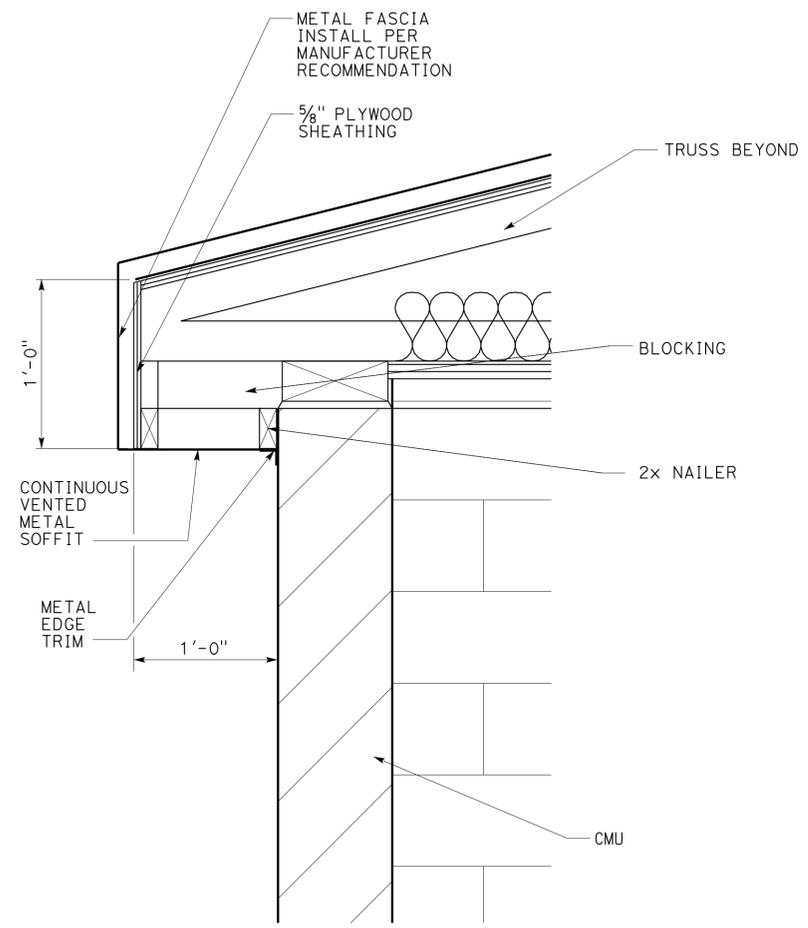
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		34	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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1 VENTED ROOF RIDGE
NTS



2 EAVE
SCALE 1/2" = 1'-0"



3 SOFFIT DETAIL
SCALE 1/2" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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: AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007
Reviewed by: Y. A. WANG Date: 10-04-13	

A1-16.dgn TAEMWW Imperial Rev. 7/10 28-AUG-2014 15:41	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION		SHEET
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey		PROJECT NUMBER & PHASE 3600 07130002061	POST MILE	WASH BUILDING	ROOF DETAILS	A1-16
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3			UNIT	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
				EA 2W5401	04-13-12 08-28-13		X X	

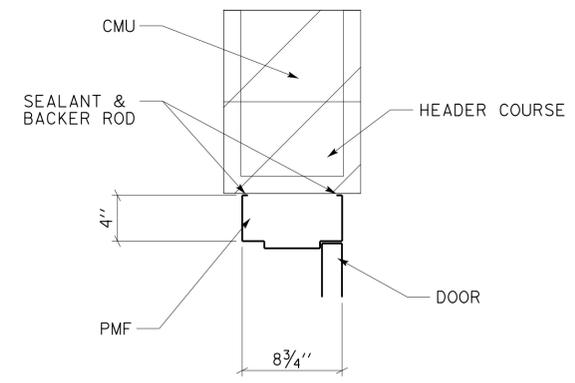
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DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
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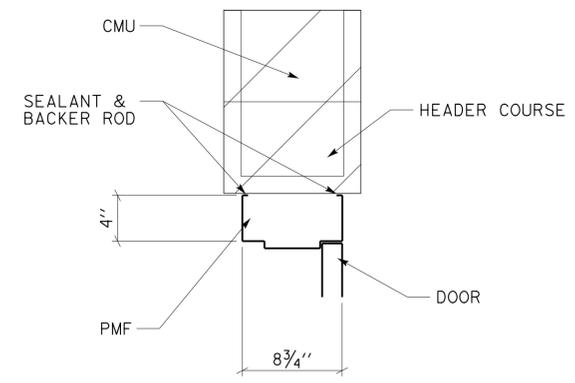
Donald E. Alsey 10-04-13
 LICENSED ARCHITECT DATE
 LICENSED ARCHITECT No. C-26676 Exp. 07-31-15
 STATE OF CALIFORNIA

8-25-14
PLANS APPROVAL DATE
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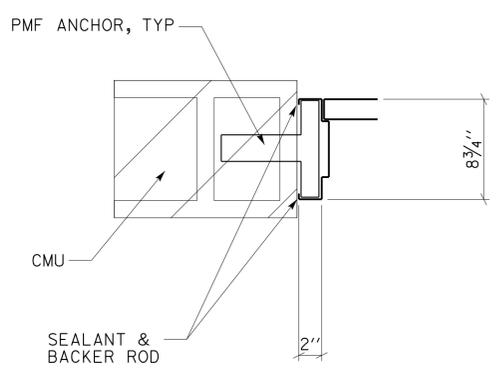
ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061 Reviewed by: <i>[Signature]</i> Y. A. WANG Date: 10-04-13	CALIFORNIA STATE FIRE MARSHAL APPROVED Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times. Reviewed by: <i>[Signature]</i> AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007
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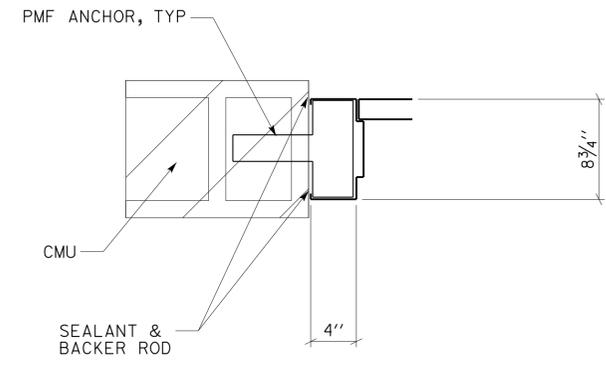
1 DOOR HEADER
SCALE 1-1/2" = 1'-0"



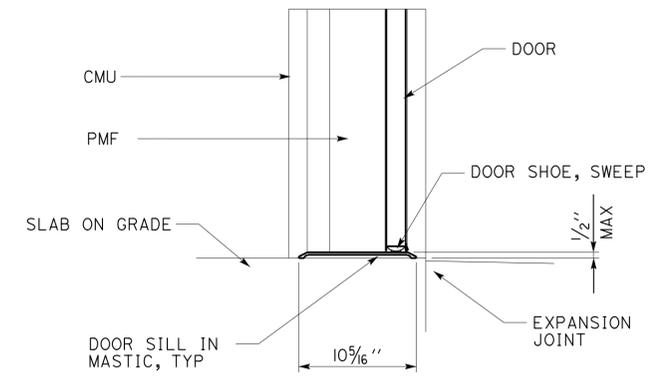
4 DOOR HEADER (PAIR)
SCALE 1-1/2" = 1'-0"



2 DOOR JAMB
SCALE 1-1/2" = 1'-0"



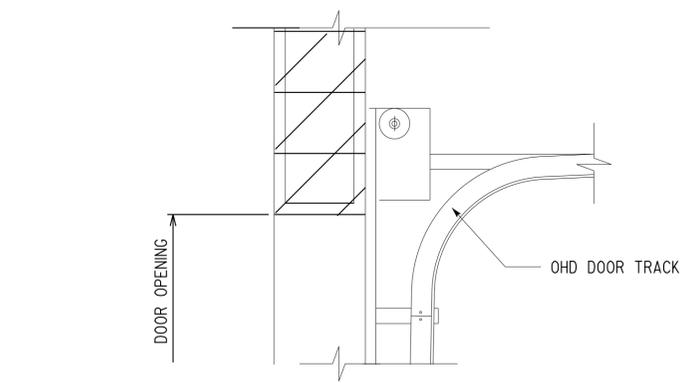
5 DOOR JAMB (PAIR)
SCALE 1-1/2" = 1'-0"



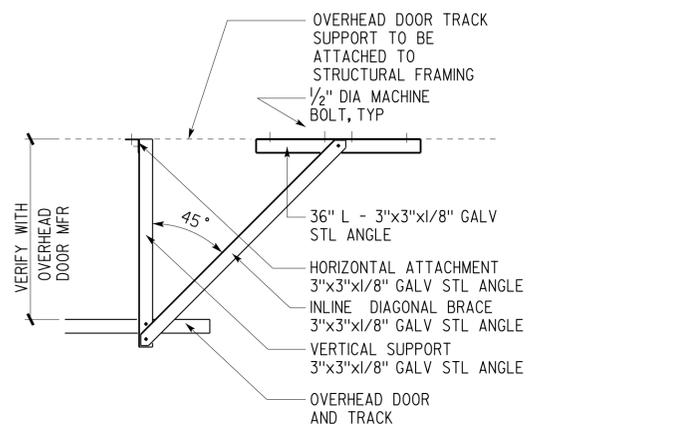
3 DOOR SILL
SCALE 1-1/2" = 1'-0"

A1-17.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:46	DESIGN BY Max Amirbagheri CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION		SHEET
	DETAILS BY Max Amirbagheri CHECKED Donald Alsey		QUANTITIES BY CHECKED	WASH BUILDING	DOOR DETAILS		A1-17
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT PROJECT NUMBER & PHASE 3600 07130002061	EA 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF X X

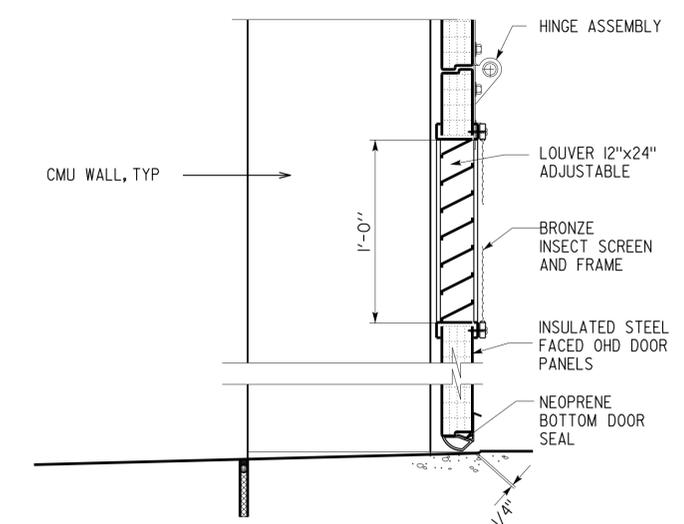
26-AUG-2014 08:46



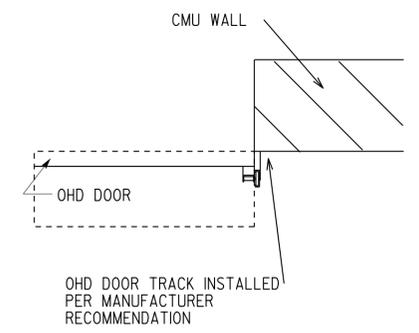
1 SECTIONAL OVERHEAD DOOR HEAD
SCALE 1" = 1'-0"



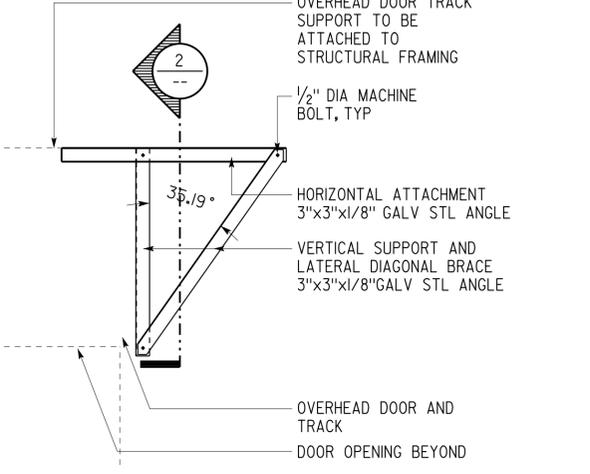
2 OVERHEAD DOOR TRACK AND SUPPORT
SCALE 3/4" = 1'-0"



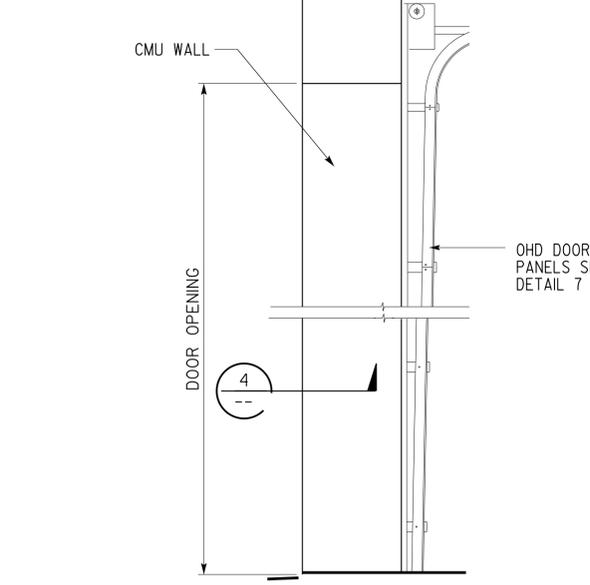
3 SECTIONAL OVERHEAD THRESHOLD
SCALE 2" = 1'-0"



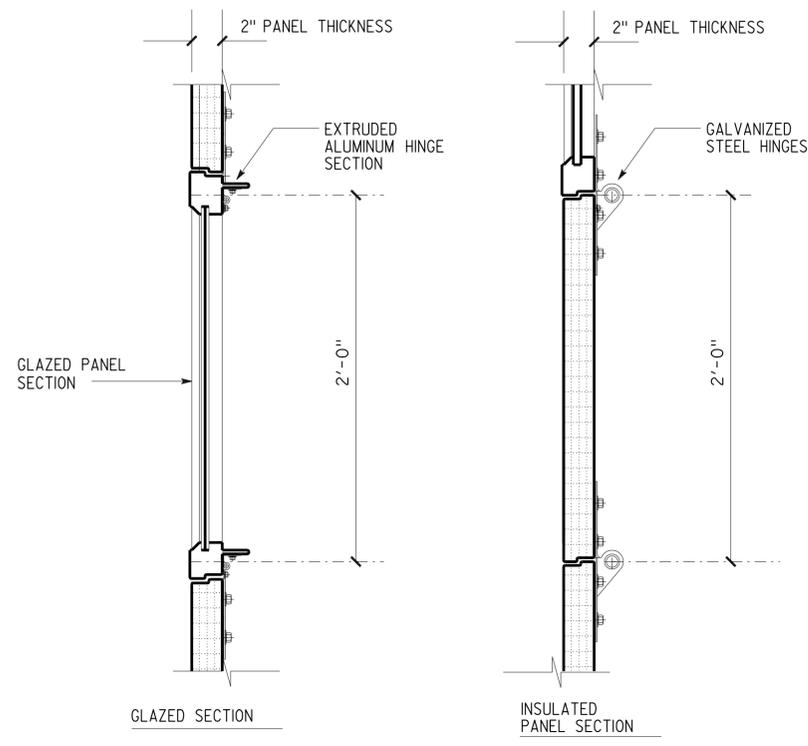
4 SECTIONAL OVERHEAD JAMB
SCALE 1" = 1'-0"



5 OVERHEAD DOOR TRACK SUPPORT
SCALE 3/4" = 1'-0"

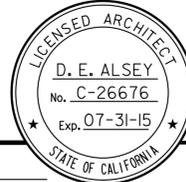


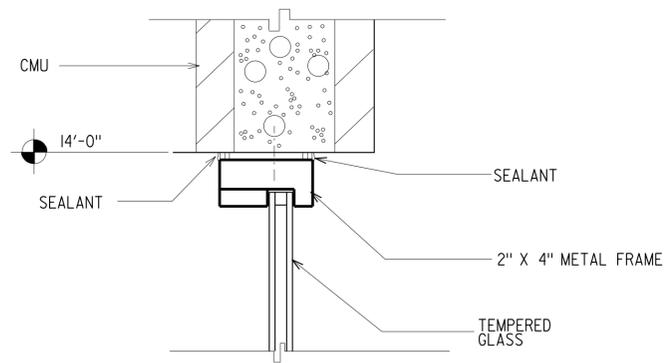
6 SIDE ELEVATION
SCALE 1/2" = 1'-0"



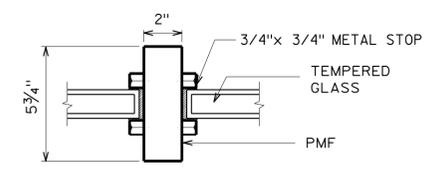
7 SECTIONAL OVERHEAD DOOR PANELS
SCALE 2" = 1'-0"

DESIGN BY Max Amirbagheri CHECKED Donald Alsey DETAILS BY Max Amirbagheri CHECKED Donald Alsey QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725 POST MILE	LEBEC MAINTENANCE STATION WASH BUILDING	SHEET OF A1-18
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT 3600 PROJECT NUMBER & PHASE 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF X X	EA 2W5401

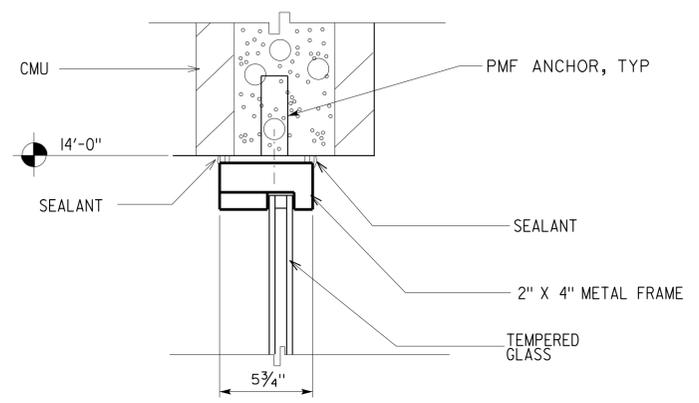
DIST.	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
07	Ker	5725		37	97
Donald E. Alsey LICENSED ARCHITECT			10-04-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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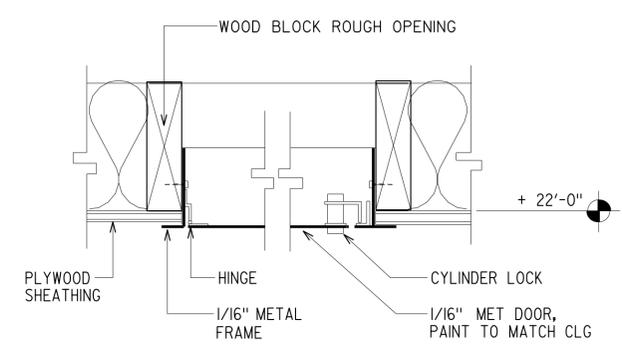
1 WINDOW HEADER
SCALE 1-1/2" = 1'-0"



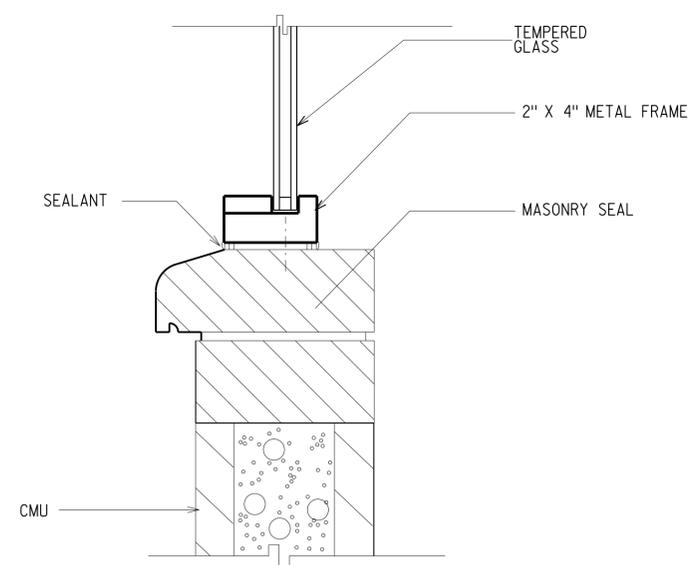
4 MULLION
NO SCALE



2 WINDOW JAMB
SCALE 1-1/2" = 1'-0"



5 ATTIC ACCESS
NO SCALE

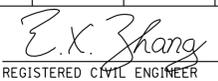
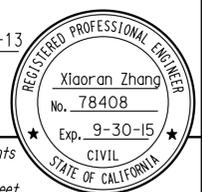


3 WINDOW SILL
SCALE 1-1/2" = 1'-0"

ACCESSIBILITY DESIGN APPROVAL STAMP DOT / DES / OTA PROJECT ID 07130002061	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:  AARON GREER Approval date: 10-16-13 CSFM# 01-15-II-0007
Reviewed by:  Y. A. WANG Date: 10-04-13	

A1-19.dgn TAEMWW Imperial Rev. 7/10 26-AUG-2014 08:46	DESIGN BY Max Amirbagheri	CHECKED Donald Alsey	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 50M5725	LEBEC MAINTENANCE STATION WASH BUILDING WINDOW & ATTIC ACCESS DETAILS	SHEET A1-19
	DETAILS BY Max Amirbagheri	CHECKED Donald Alsey		PROJECT NUMBER & PHASE 3600 07130002061 EA 2W5401	POST MILE DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY) 04-13-12 08-28-13
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS							

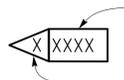
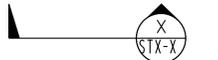
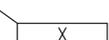
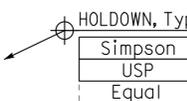
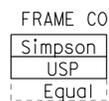
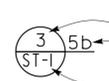
26-AUG-2014 08:46

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		38	97
 REGISTERED CIVIL ENGINEER			10-24-13 DATE		
8-25-14 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>					

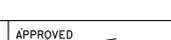
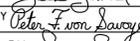
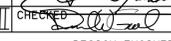
ABBREVIATIONS

AAD	ADHESIVE ANCHORAGE DEVICE	HD	HOLDOWN
AB	ANCHOR BOLT	Hex	HEXAGON
AC	ASPHALT CONCRETE	Horiz	HORIZONTAL
Alt	ALTERNATE	HSB	HIGH STRENGTH BOLT
APA	AMERICAN PLYWOOD ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION
APC	ALTERNATIVE PIPE CULVERT	Jt	JOINT
Bldg	BUILDING	LOL	LAYOUT LINE
Blkg	BLOCKING	LVL	LAMINATED VENEER LUMBER
BN	BOUNDARY NAILING	m	METER
Btm	BOTTOM	Max	MAXIMUM
CB	CARRIAGE BOLT	MEA	MECHANICAL EXPANSION ANCHOR
CIDH	CAST IN DRILLED HOLE	Mech	MECHANICAL
CJ	CONTROL JOINT	Mfr	MANUFACTURER
Clr	CLEAR	mm	MILLIMETER
CMU	CONCRETE MASONRY UNIT	Min	MINIMUM
Conc	CONCRETE	MIW	MALLEABLE IRON WASHER
Const	CONSTRUCTION	OC	ON CENTER
Cont	CONTINUOUS	OG	ORIGINAL GRADE
CP	COMPLETE PENETRATION WELD	OH	OPPOSITE HAND
Dbi	DOUBLE	Opt	OPTIONAL
DF	DOUGLAS FIR	P	PITCH
Dia	DIAMETER	PDF	POWER DRIVEN FASTENER
DIP	DUSTILE IRON PIPE	Plwd	PLYWOOD
DN	DIAMETER NOMINAL	PT	PRESSURE TREATED
do	DITTO	PW	PUDDLE WELD
(E)	EXISTING	PWB	PREFABRICATED WOOD I BEAM
Ea	EACH	RCP	REINFORCED CONCRETE PIPE
EL	ELEVATION	Reinf	REINFORCED, REINFORCING
Elec	ELECTRICAL	Req'd	REQUIRED
Embed	EMBEDMENT	SDSTS	SELF DRILL, SELF TAP SCREW
EN	EDGE NAIL	Sim	SIMILAR
Eq	EQUAL	SPS	STRUCTURAL PLYWOOD SHEATHING
Exp	EXPANSION	Sq	SQUARE
FDGM	FREE DRAINING GRANULAR MATERIAL	Stagg	STAGGERED
FG	FINISH GRADE	Std	STANDARD
FL	FLOW LINE	SW	STUD WELD
Fir	FLOOR	Sym	SYMMETRICAL
FN	FACE (FIELD) NAIL	T&G	TONGUE-AND-GROOVE
FOC	FACE OF CONCRETE	TN	TOE NAIL
FOM	FACE OF MASONRY	TS	TUBE STEEL
FOS	FACE OF STUD	Typ	TYPICAL
Ftg	FOOTING	UON	UNLESS OTHERWISE NOTED
Ga	GAGE	Vert	VERTICAL
Galv	GALVANIZED		
GLM	GLUE LAMINATED MEMBER		
Gyp Bd	GYPSUM BOARD		

SYMBOLS

	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		STRUCTURE BACKFILL
	LENGTH SHEARWALL SCHEDULE SYMBOL REFERENCE		STRUCTURE EXCAVATION
	GLUE LAMINATED MEMBER SECTION		ORIGINAL GROUND
	NORTH ARROW		LIMITS OF STRUCTURE BACKFILL (SHOWN ON PLAN VIEWS)
	PARTIAL SECTION CUT		FREE DRAINING GRANULAR MATERIAL
	FULL SECTION CUT		BOTTOM OF FOOTING
	REVISION CALLOUT		ELEVATION OR WORKING POINT
	GRID LINE INDICATOR		EXISTING FEATURES
	CENTER LINE		HOLDOWN, Typ (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	STATION LINE		FRAME CONNECTOR (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)
	STEEL PLATE		DETAIL NUMBER OR NOTE NUMBER ADDITIONAL REFERENCE (IF REQUIRED) SHEET NUMBER
	DIAMETER		
	SQUARE		

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

FILE NO. XS-25-0	DESIGN BY 	CHECKED 	APPROVED 
DRAWING DATE 1-04	DETAILS BY 	CHECKED 	DESIGN SUPERVISOR
	SUBMITTED BY 	DESIGN ENGINEER	

BRIDGE No. 5275	POST MILE
LEBEC MAINTENANCE STATION	
LEGEND	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3599	CONTRACT No.: 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
PROJECT NUMBER & PHASE: 07130002061			1-16-04 04-27-12 08-24-12	ST-1

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 must be sheathed with 3/8" structural plywood sheathing.
- All roofs must be sheathed with 5/8" structural plywood sheathing.
- Plywood for floors and roofs must be placed face grain perpendicular to supports. Where possible, plywood must be placed in full sheets and staggered one-half sheet length. Any partial plywood sheet must 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 must be Douglas Fir-Larch (DF) quality grade stamped. Grade stamps must indicate compliance with the grading requirements of WWPA, WCLIB or other approved lumber inspection agency.
- Structural plywood sheathing must be APA grade stamped plywood conforming to Voluntary Product Standard PSI, Grade C-D, Exposure 1. Thickness and span rating must 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 must be engineered, stress rated and factory laminated with adhesive for wet use.
- Exposed members must be "architectural appearance" grade and non-exposed members must be "industrial appearance" grade.
- All wood in direct contact with concrete or masonry must be pressure treated Douglas Fir-Larch.
- Joists framed into the side of wood girders must be supported by joist hangers.
- Joists must 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 must not be less than 2x in thickness and the full depth of the joist.
- Joists and roof rafters 1'-0" or deeper must 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 must 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 must 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 must 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 must be fastened w/6-16d to the plate across the opening.
- Equivalent metal bridging or ties may be submitted to the Engineer for approval.

B MINIMUM NAILING SCHEDULE

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

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

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		39	97

E.K. Zhang
REGISTERED CIVIL ENGINEER DATE 10-24-13

8-25-14
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Xiaoran Zhang
No. 78408
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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C MECHANICAL FASTENER NOTES

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

Size	Malleable Iron Washer	Steel Plate Washer
1/2" Ø	2 1/2" Ø x 5/16"	2" x 2" x 1/4"
5/8" Ø	2 3/4" Ø x 5/16"	2" x 2" x 1/4"
3/4" Ø	3" Ø x 7/16"	2" x 2" x 1/4"
7/8" Ø	3 5/16" Ø x 3/8"	3" x 3" x 1/4"
1" Ø	4" Ø x 1/2"	3" x 3" x 1/4"

Place under Bolt Heads & Nuts bearing on Wood

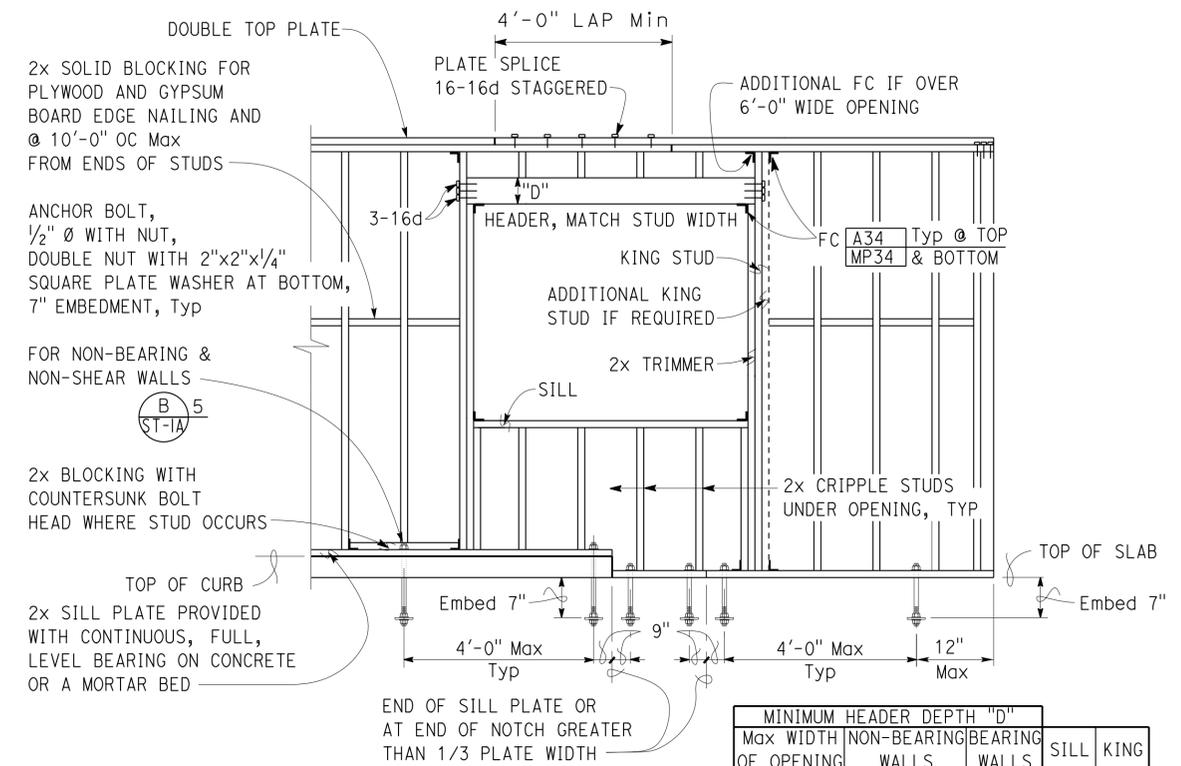
- Fastener alternatives for non-bearing and non-shear walls: Two minimum per member and at 9" from ends.
 - 1/8" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
 - 1/4" Ø expansion anchorage device embedded 1 1/2" minimum at 2'-0" OC.
 - 1/2" Ø anchor bolt with 2 1/2" embedment @ 4'-0" OC.
- Equivalent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

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

FILE NO. XS-25-1	DESIGN BY <i>Sean Seandel</i>	CHECKED <i>Joe G. ...</i>	APPROVED <i>R.E. Travis</i>	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET ST-1a
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR	POST MILE	WOOD FRAMING STANDARD - NOTES		
TAEWW Imperial - CCSC Rev. 02/13				UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)

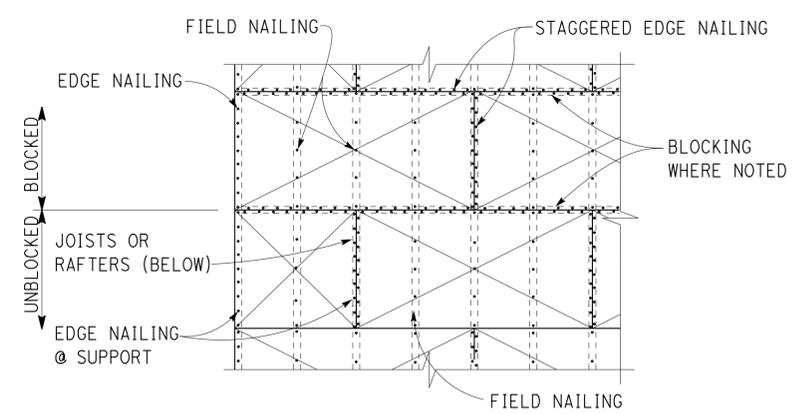
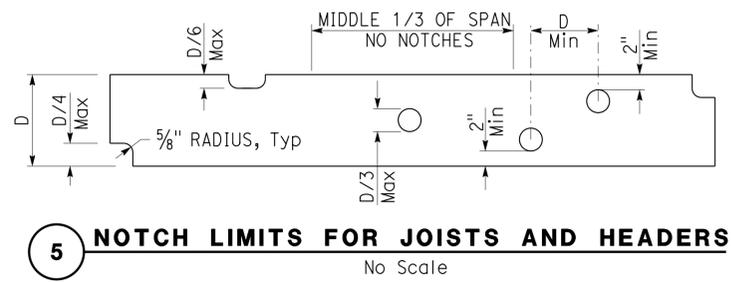
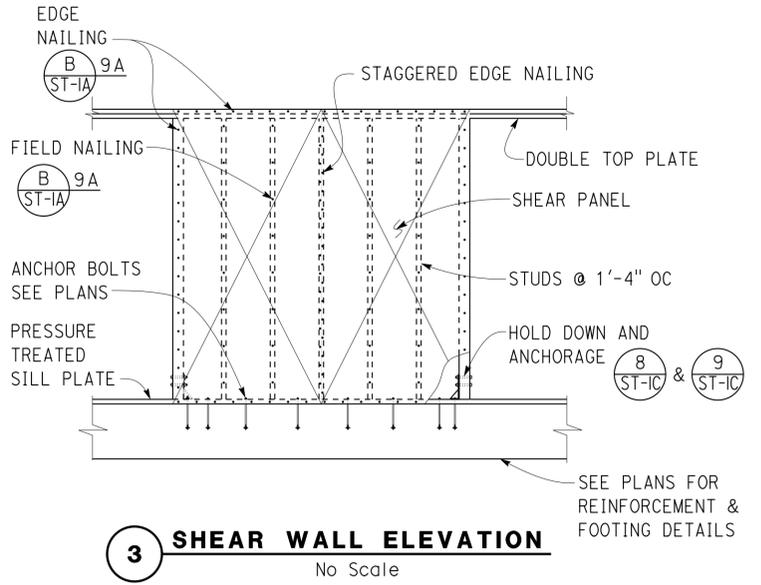
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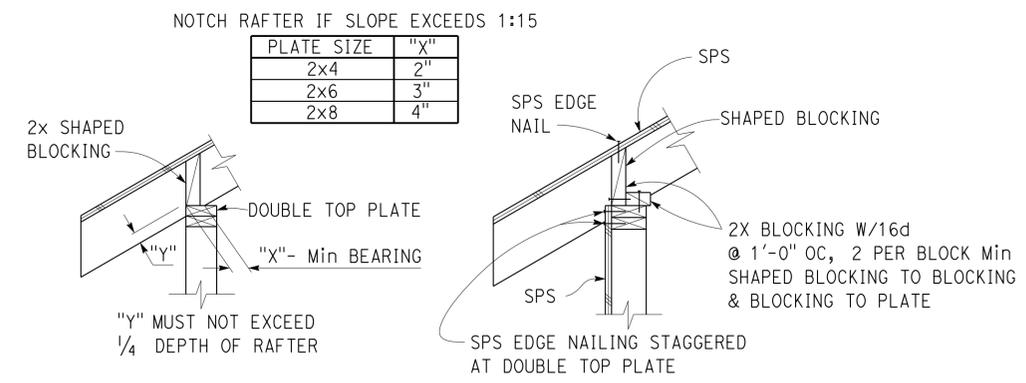


1 TYPICAL WALL AND OPENING FRAMING
No Scale

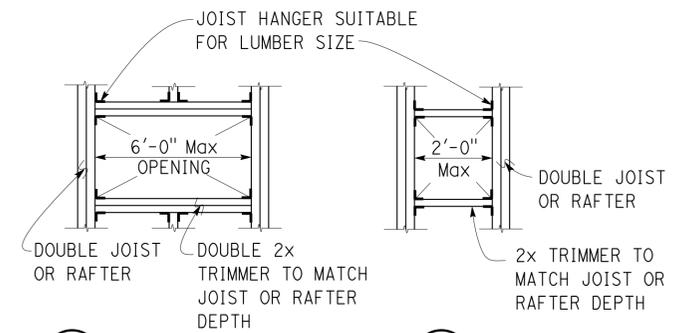
Max WIDTH OF OPENING	MINIMUM HEADER DEPTH "D"		SILL	KING
	NON-BEARING WALLS	BEARING WALLS		
4'-0"	4"	6"	2x	2x
8'-0"	6"	8"	2-2x	2-2x
10'-0"	8"	10"	2-2x	2-2x
12'-0"	10"	12"	3-2x	2-2x



2 STRUCTURAL PLYWOOD LAYOUT
No Scale



4 EXTERIOR WALL TOP PLATE DETAIL
No Scale



6 FRAMING AT OPENINGS
No Scale

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FILE NO. XS-25-1	DESIGN BY <i>Sean Seandel</i>	CHECKED <i>Joe C. ...</i>	APPROVED <i>RE Travis</i>
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED <i>...</i>	DESIGN SUPERVISOR
SUBMITTED BY <i>Sean Seandel</i>		DESIGN ENGINEER	

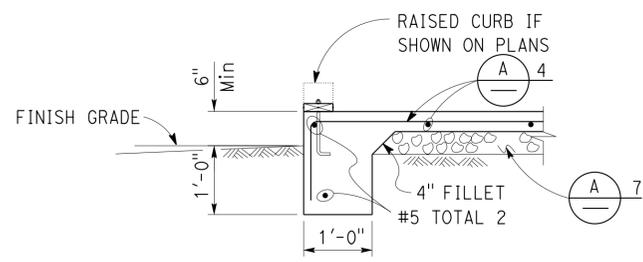
BRIDGE No. 5275	POST MILE
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

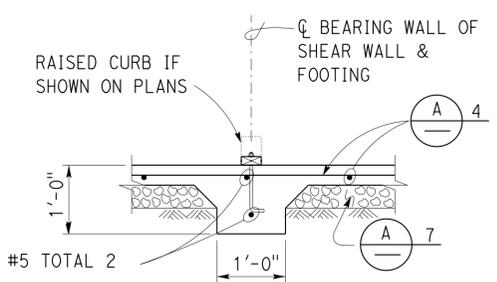
LEBEC MAINTENANCE STATION
WOOD FRAMING STANDARD - DETAILS

SHEET ST-1b OF

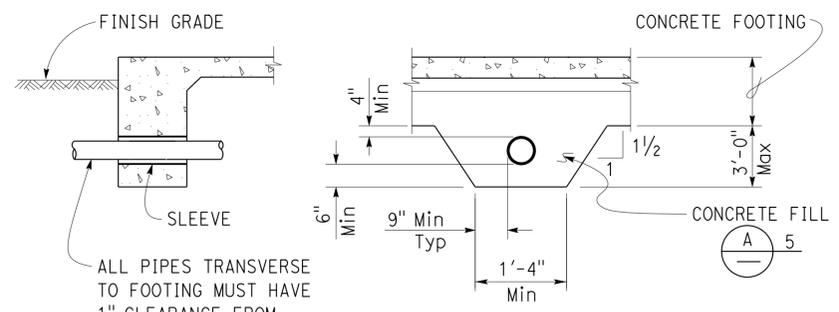
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		41	97
E.X. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
8-25-14			DATE	No. 78408	
PLANS APPROVAL DATE				Exp. 9-30-15	
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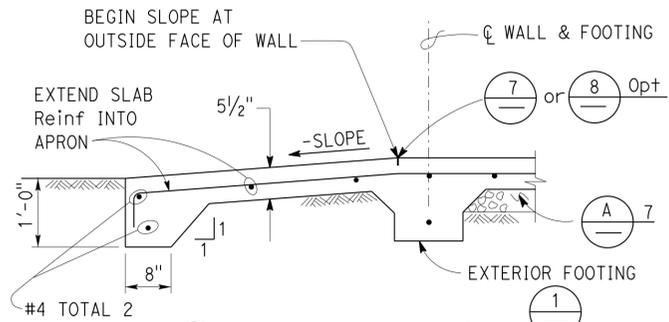
1 EXTERIOR FOOTING
NO SCALE



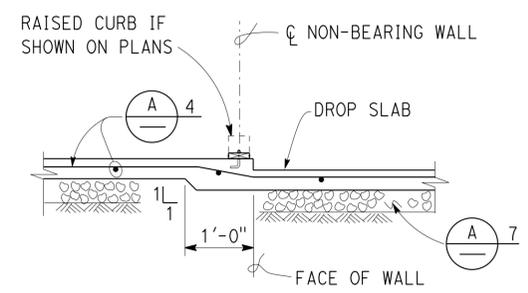
5 INTERIOR FOOTING
NO SCALE



9 PIPE DETAILS THROUGH FOOTING
NO SCALE



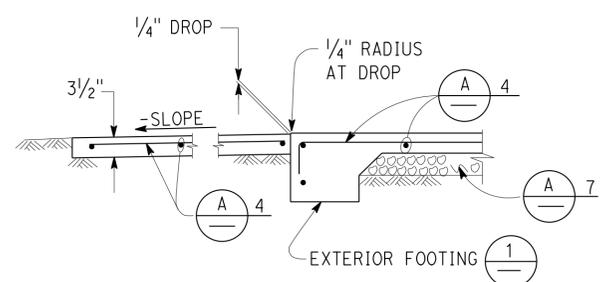
2 DRIVEWAY APRON
NO SCALE



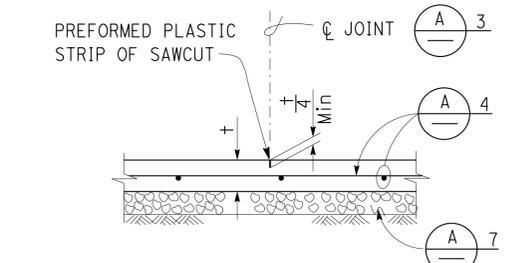
6 DROP SLAB AT NON-BEARING WALL
NO SCALE

NOTE:
ALL PIPES TRANSVERSE TO FOOTING MUST HAVE 1" CLEARANCE FROM SLEEVE ALL AROUND

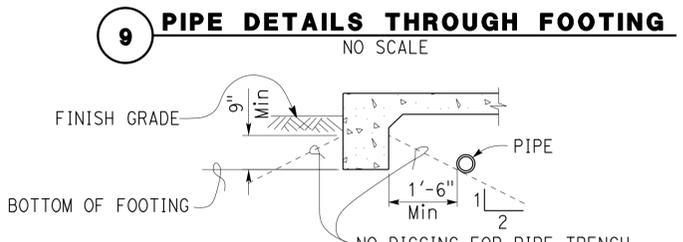
NOTE:
No Pipes Permitted beneath Interior or Exterior Isolated Footing.



3 WALKWAY APRON
NO SCALE



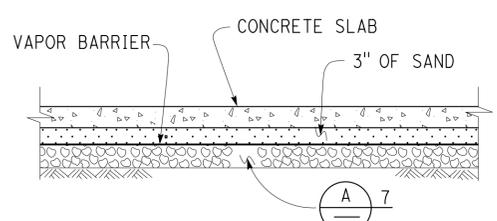
7 CONTROL JOINT
NO SCALE



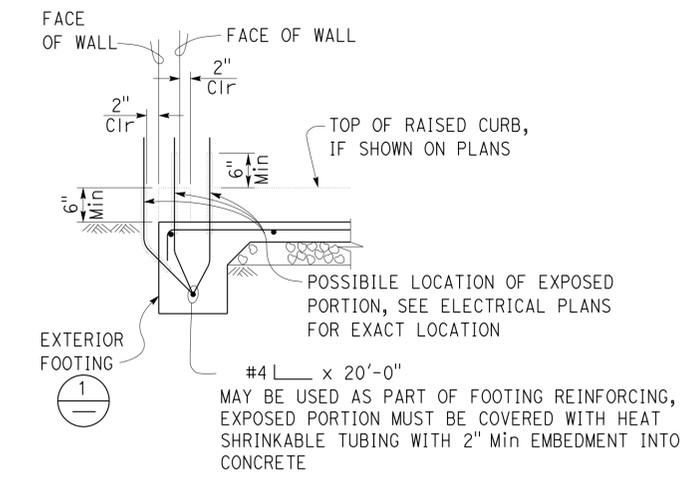
10 PIPE DETAILS PARALLEL TO FOOTING
NO SCALE

NOTE:
For Pipe Cover, see Specifications: Earthwork for Building Work.

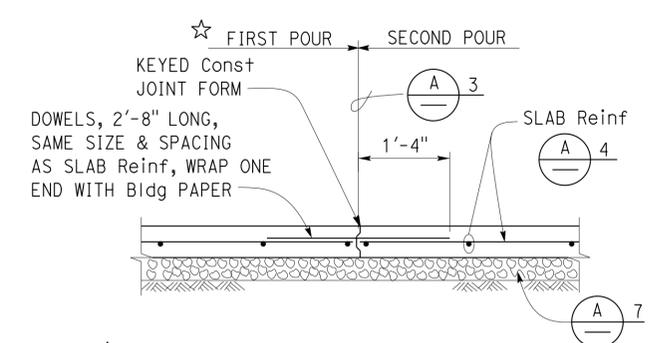
NOTE:
NO DIGGING FOR PIPE TRENCH PARALLEL TO FOOTING BELOW THESE LINES, EXTERIOR FOOTING SHOWN, INTERIOR OR EXTERIOR ISOLATED FOOTINGS ARE SIMILAR



11 MOISTURE BARRIER
NO SCALE

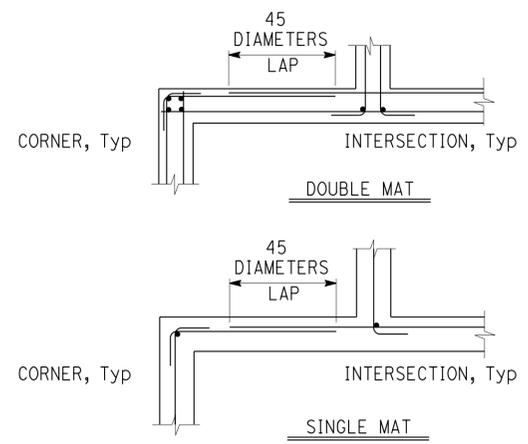


4 GROUND BAR DETAIL
NO SCALE



8 CONTRACTION JOINT
NO SCALE

★ Slab concrete may be poured continuously across the Control Joint, to cover as large an area as practical.



12 CORNER/INTERSECTION REINF SPLICE
NO SCALE

A CONCRETE NOTES

- The following minimum concrete cover must be provided for reinforcement.

	Minimum Cover
a. Concrete cast against and permanently exposed to earth	3"
b. Concrete exposed to earth or weather but cast in forms:	
#6 thru #18 bars	2"
#5 bar and smaller, W31 or D31 Wire, and smaller	1 1/2"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
#14 and #18 Bar	1 1/2"
#11 Bar and smaller	3/4"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1 1/2"
- Splices in continuous reinforcement as in Walls, Wall Footings, etc. #8 or smaller must have a lap of 45 diameters and the splices in adjacent bars must not be less than 5'-0" apart.
- Continuous Bars in spandrels, Wall Beams, etc. must lap Top Bars at center of span and Bottom Bars at supports.
- Contraction Joints and Control Joints must divide slab into areas not exceeding 25 square yards without reentrant corners and with length to width ratios not exceeding 1.5 to 1. Joint spacing must not exceed 15'-0".
- Slab Thickness (±) Reinforcement

3/2"	#3 @ 18 Each way, place in center of Slab
5/2"	#4 @ 18 Each way, place in center of Slab
- Concrete fill is to be placed before Footing is poured. Make the same width as the Footing and the full width of the Pipe trench. Concrete fill not required for pipes less than 2" diameter for pipes more than 3'-0" below bottom of footing.
- See Mechanical and Architectural Plans for size and locations of pipe, vents, ducts and other similar openings. See Electrical Plans for conduits and outlet boxes in floors, walls, etc.
- Place 4" of free draining granular material under slabs.

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

FILE NO. XS-25-1	DESIGN BY Sean Sandoz	CHECKED Lee G. ...	APPROVED R.C. ...
DRAWING DATE 1-04	DETAILS BY Peter F. ...	CHECKED ...	DESIGN SUPERVISOR

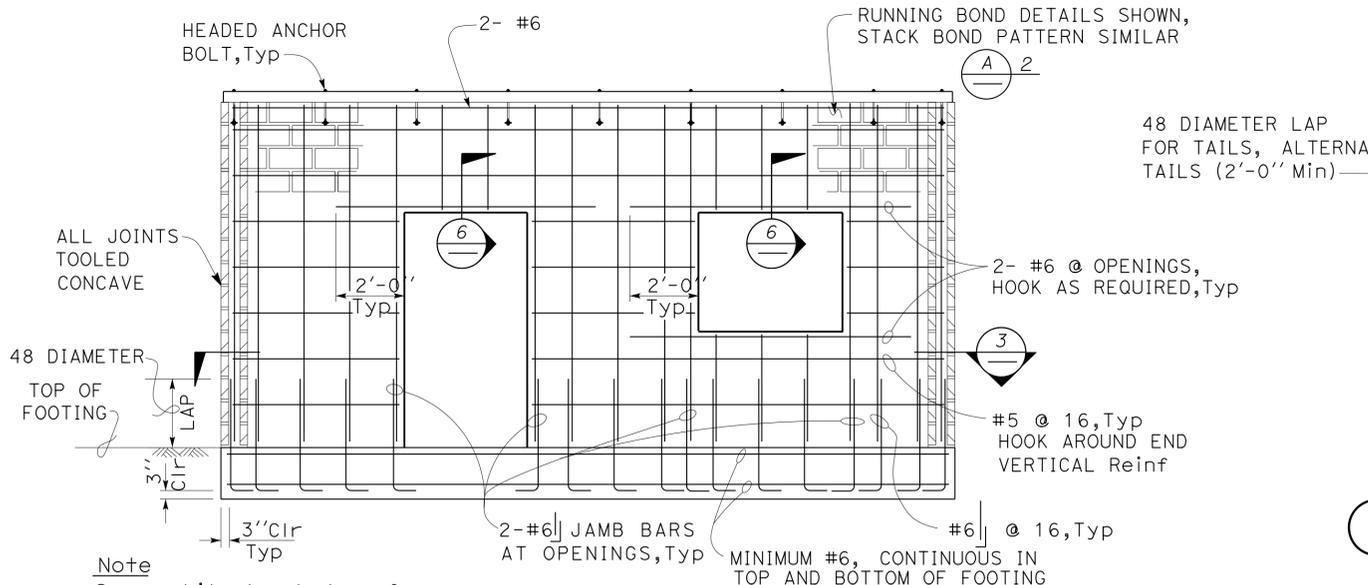
STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 5275	LEBEC MAINTENANCE STATION	SHEET ST-2
DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE	CONCRETE STANDARD	

UNIT: 3599	CONTRACT No.: 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)
PROJECT NUMBER & PHASE: 07130002061			1-16-04 11-14-05 04-27-12 08-24-12 07-21-14

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		42	97

E.X. Zhang
 REGISTERED CIVIL ENGINEER
 8-25-14
 PLANS APPROVAL DATE
 10-24-13
 DATE
 No. 78408
 Exp. 9-30-15
 CIVIL
 STATE OF CALIFORNIA

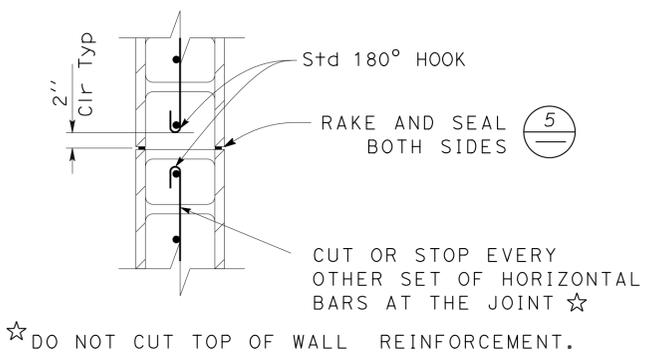
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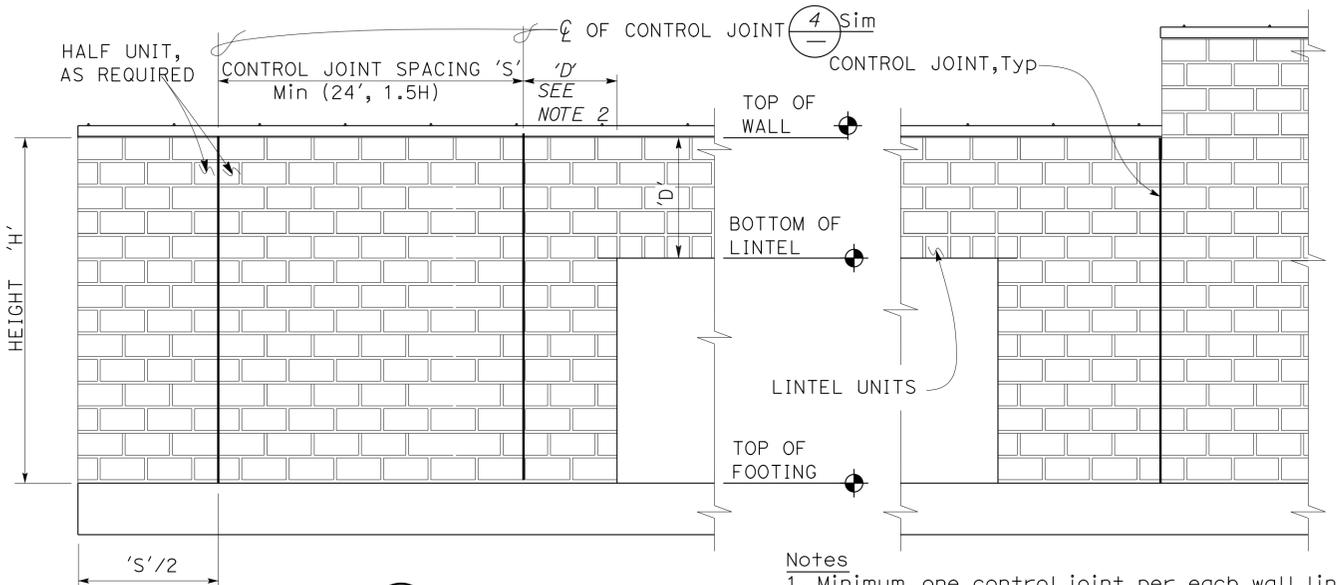
1 WALL ELEVATION
NO SCALE

3 WALL T-JOINT
NO SCALE

8 WOOD TOP PLATE DETAIL
NO SCALE

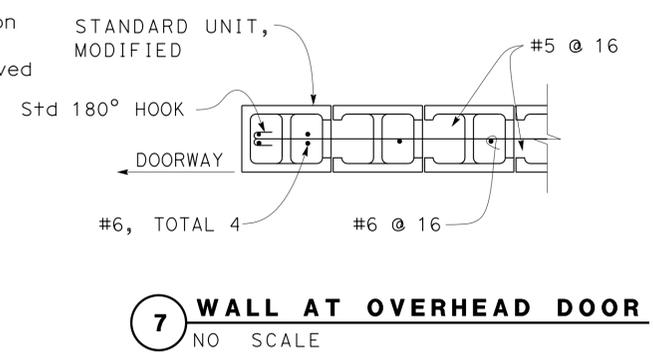


4 CONTROL JOINT DETAIL
NO SCALE

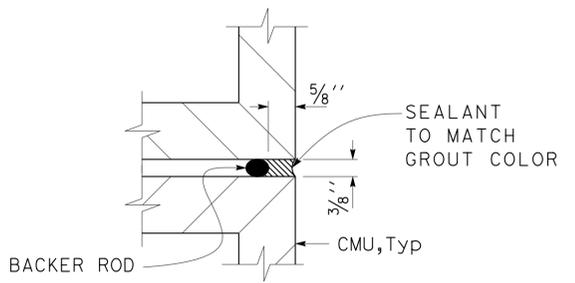


2 WALL ELEVATION
NO SCALE

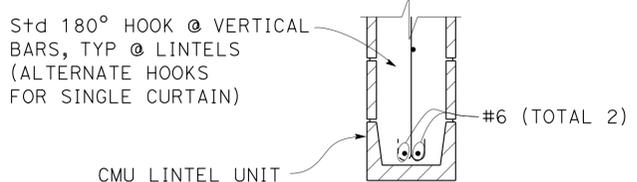
- Notes
- Minimum one control joint per each wall line.
 - For openings less than 6 ft, control joint on one side is permitted. D max = 40"
 - Location of the control joints must be approved by the Engineer.



7 WALL AT OVERHEAD DOOR
NO SCALE



5 JOINT SEAL DETAIL
No Scale



6 LINTEL DETAIL
NO SCALE

A REINFORCED CONCRETE MASONRY UNIT NOTES

- All walls must be solid grout, open end units, UON.
- Stack bond requires open end bond beam units throughout.
- All vertical reinforcement must be centered in cell, UON. the minimum coverage of reinforcement from the exposed surface of concrete masonry unit must be 2".
- Reinforcement splices must be as follows:
 - Lap splice for a #7 or smaller bar must be 48 diameters.
 - Lintel lap splices are not permitted for bottom bars.
- Mechanical expansion anchors must have 1 1/2" minimum distance to any edge of the masonry unit. Minimum embedment measured from the outside face of the unit must be 2".
- Pipes must not be embedded in any masonry wall except when shown on plans or as approved by the Engineer.
- Electrical conduit, panels or fixtures may be placed in cells with the following restrictions:
 - The conduits must not interfere with the reinforcing steel.
 - Conduit placement must not inhibit the complete filling of the cells with grout.
 - Horizontal run of 3/4" maximum size conduit may be placed in a bond beam course that does not have horizontal reinforcement.
 - Recesses more than 1" deep for electrical panels or fixtures must have similar reinforcement as doors and windows.
- Steel washers must be provided for all anchor bolts.
- See architectural and mechanical plans for offsets, sizes and locations of ducts, wall openings, vents and other details not shown on structural sheets.

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

DESIGN BY EDWARD ZHANG	CHECKED DAI LU	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET ST-3
DETAILS BY PETER VON SAVOYE	CHECKED EDWARD ZHANG		POST MILE	CONCRETE MASONRY UNIT TYPICAL DETAILS		OF
QUANTITIES BY	CHECKED					

UNIT: 3599 CONTRACT No.: 2W5401
 PROJECT NUMBER & PHASE: 07130002061
 DISREGARD PRINTS BEARING EARLIER REVISION DATES
 REVISION DATES (PRELIMINARY STAGE ONLY)
 06-18-13 | 07-24-13 | 07-21-14

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3
 TAEWW Imperial - CCSC Rev. 02/13
 D:\CADDuser\Projects\Dist_07\0713000206_Lebec_Washrack\0713000206_Lebec_Washrack_Re-Expedite_08-15-14\st0_03.dgn

PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2007 California Building Code (2006 IBC).

DETAIL NOTES

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		43	97

E.K. Zhang
REGISTERED CIVIL ENGINEER DATE 10-24-13

8-25-14
PLANS APPROVAL DATE

Xiaoran Zhang
No. 78408
Exp. 9-30-15
CIVIL ENGINEER
STATE OF CALIFORNIA

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LOADS

SEISMIC: Occupancy Category = II
Importance Factor I = 1.0
Site Soil Class = B
 $S_S = 1.500$ $S_{DS} = 1.000$
 $S_I = 1.007$ $S_{DI} = 0.671$
 Seismic Design Category = D
Seismic Force-Resisting System:

North - South

R = 5.00 $C_S = 0.2000$

East - West

R = 5.00 $C_S = 0.2000$

WIND: Basic Wind Speed = 85 mph $q_h = 11$ psf
 Importance Factor I = 1.0 GCpf = 2.0
 Exposure B GCpi = 0.55

LIVE LOAD: Roof = 20 psf

SNOW LOAD: $C_e = .9$ $C_t = 1.0$ I = 1.0
 $P_g = 20$ psf
 $P_f = 13$ psf

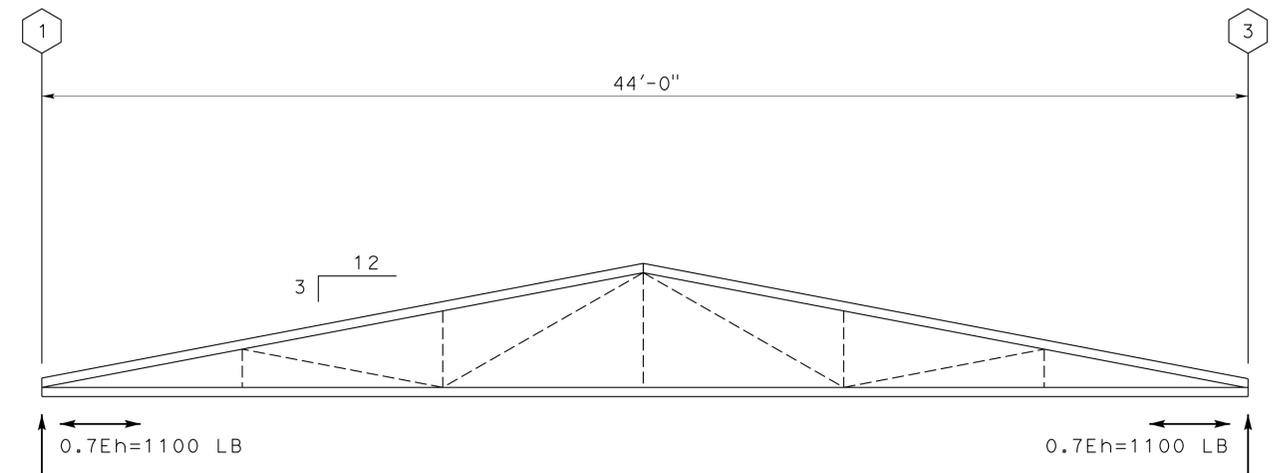
- For Concrete see: "Concrete Standard"
- For Masonry see: "Concrete Masonry Unit Typical Details"
- For Wood see: "Wood Framing Standard"
- All bolts must be hex head machine bolts, with hex head nuts; unless otherwise noted.
- All lock washers must be helical spring lock washers.

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design):
 $f'_c = 3,000$ psi
 $f_y = 60,000$ psi
 (Reinforcement must be epoxy coated)

REINFORCED CONCRETE MASONRY UNITS:
 (Allowable Stress Design):
 $f'_m = 2,000$ psi
 $f_y = 60,000$ psi
 (Reinforcement must be epoxy coated)
 INSPECTION LEVEL 1

FOUNDATION:
 Foundation Review Report dated : May 28, 2013
 Allowable Soil Pressure (DL + LL) : = 2,500 psf

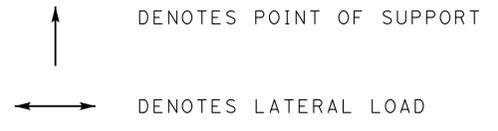


1 PROFILE
NO SCALE

A PRE-ENGINEERED WOOD TRUSS REQUIREMENTS

UNIFORM LOADS:	TOP CHORD	BOTTOM CHORD
DEAD:	10 PSF	4 PSF
LIVE:	20 PSF	
WIND:	56 PLF	UPWARD

- DEFLECTION:
 LIVE LOAD ----- L/360
 TOTAL LOAD ----- L/240
- CAMBER MUST BE 1.5 TIMES DEAD LOAD DEFLECTION



DESIGN BY Edward Zhang	CHECKED Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION WASH BUILDING	SHEET ST1-0 OF	
DETAILS BY David W Good	CHECKED Edward Zhang			POST MILE			DESIGN CRITERIA & DETAIL NOTES
QUANTITIES BY	CHECKED						

UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

09-14-09 08-24-12 07-24-13 07-22-14

TAEMWW Imperial - CCSC Rev. 02/13 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

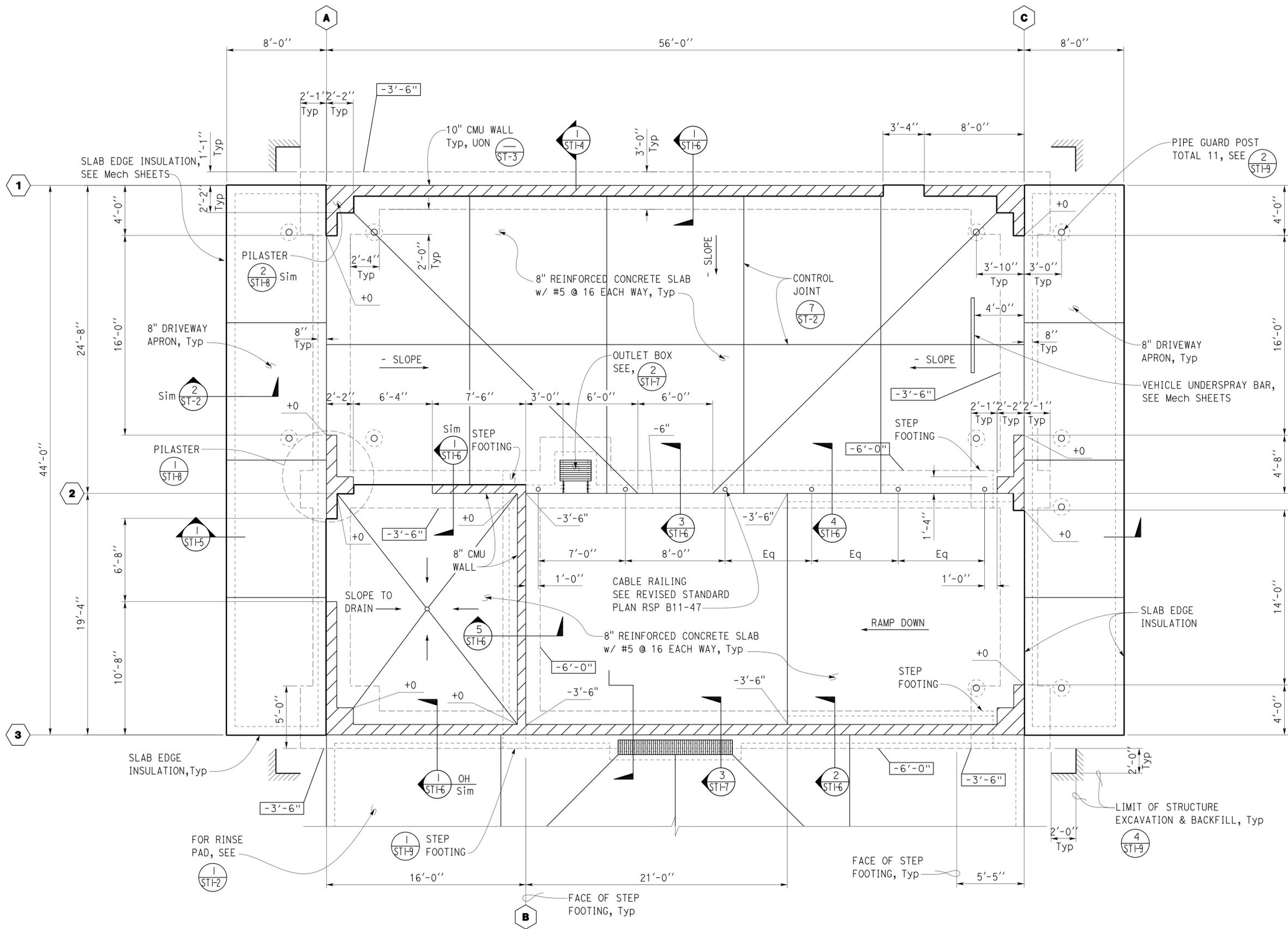
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		44	97

E.X. Zhang
REGISTERED CIVIL ENGINEER
DATE 10-24-13
PLANS APPROVAL DATE 8-25-14

REGISTERED PROFESSIONAL ENGINEER
Xiaoran Zhang
No. 78408
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

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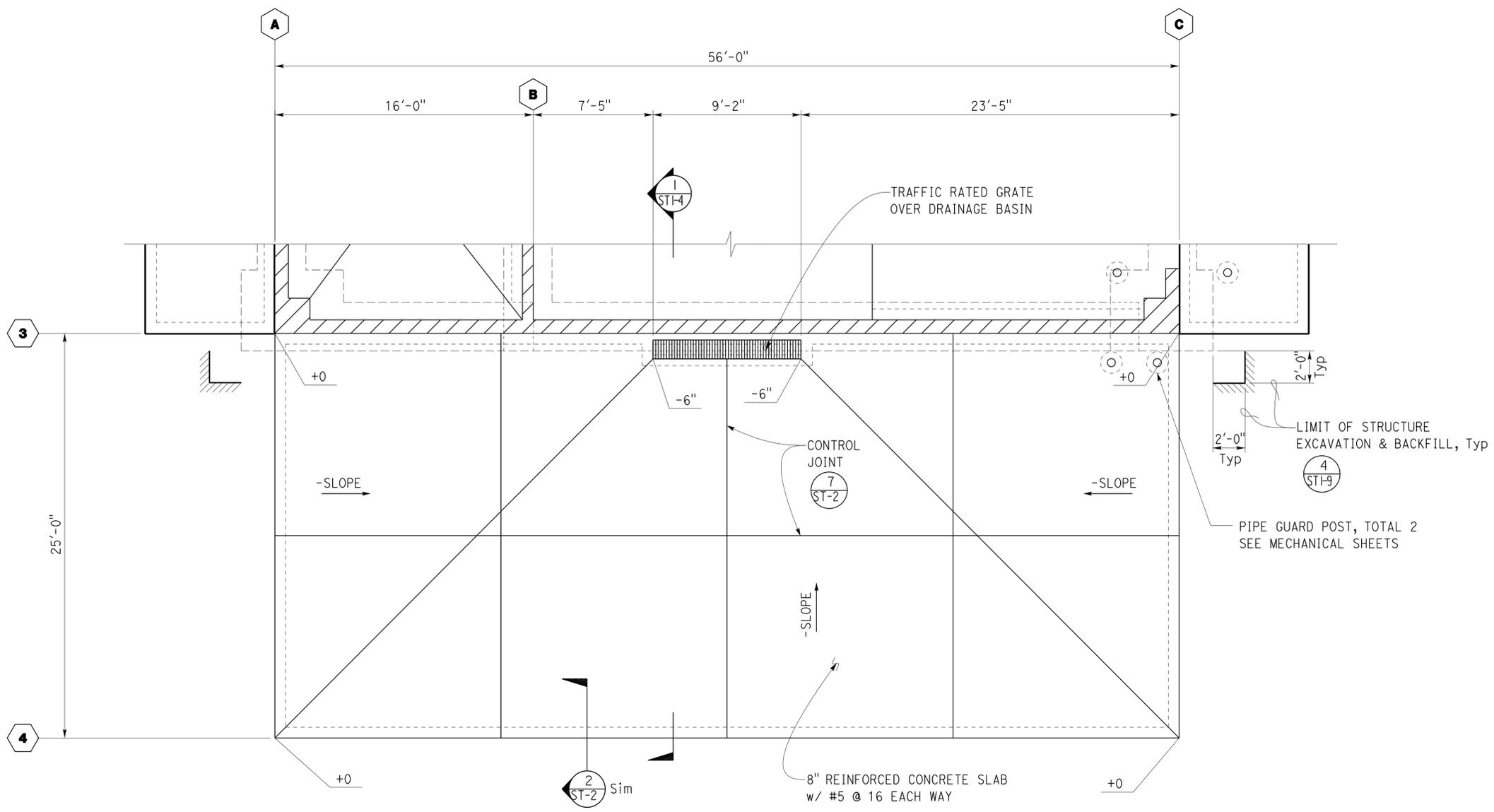
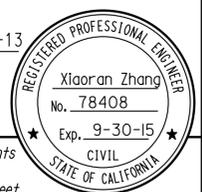


1 FOUNDATION PLAN
1/4" = 1'-0"

ELEVATION 3580.30 = DATUM 0'-0"

	DESIGN BY	Edward Zhang	CHECKED	Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	5275	LEBEC MAINTENANCE STATION WASH BUILDING	FOUNDATION PLAN	SHEET	ST1-1
	DETAILS BY	David W Good	CHECKED	Edward Zhang			POST MILE				SHEET	OF
	QUANTITIES BY		CHECKED		UNIT: 3599	CONTRACT No.: 2W5401	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)			
TAEWW Imperial - CCSC Rev. 02/13		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0	1	2	3	PROJECT NUMBER & PHASE: 07130002061 REVISION DATES: 07-08-13, 07-15-13, 07-24-13, 08-08-13, 07-31-14			

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		45	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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1 FOUNDATION PLAN
 $\frac{1}{4}'' = 1'-0''$
 ELEVATION 3580.30 = DATUM 0'-0"



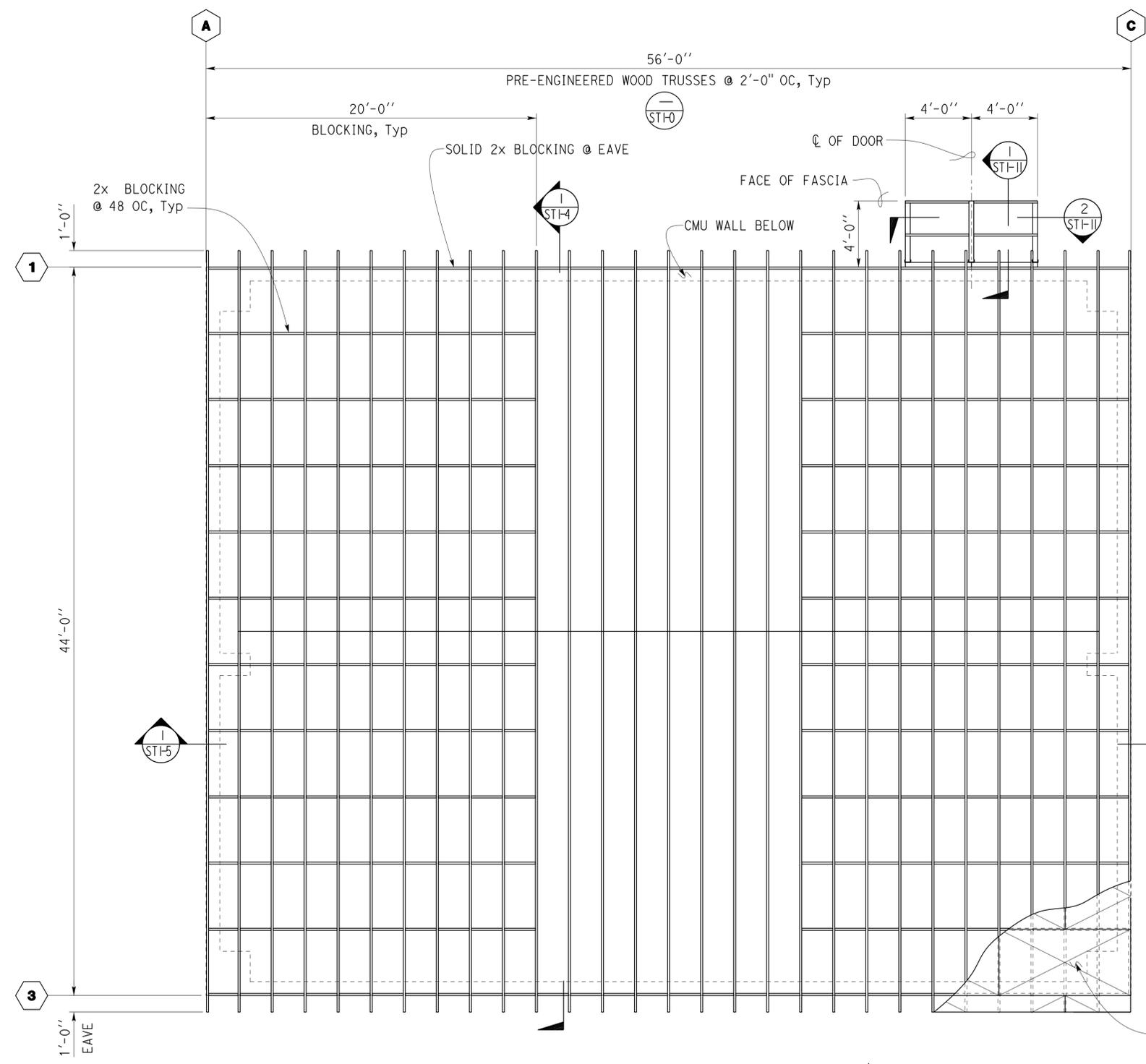
DESIGN BY Edward Zhang CHECKED Sean Samuel	DETAILS BY David W Good CHECKED Edward Zhang	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION WASH BUILDING	FOUNDATION PLAN	SHEET OF ST1-2
					POST MILE			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		SHEET OF	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		46	97

<i>E.K. Zhang</i>	10-24-13
REGISTERED CIVIL ENGINEER	DATE
8-25-14	
PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER	
Xiaoran Zhang	
No. 78408	
Exp. 9-30-15	
CIVIL	
STATE OF CALIFORNIA	

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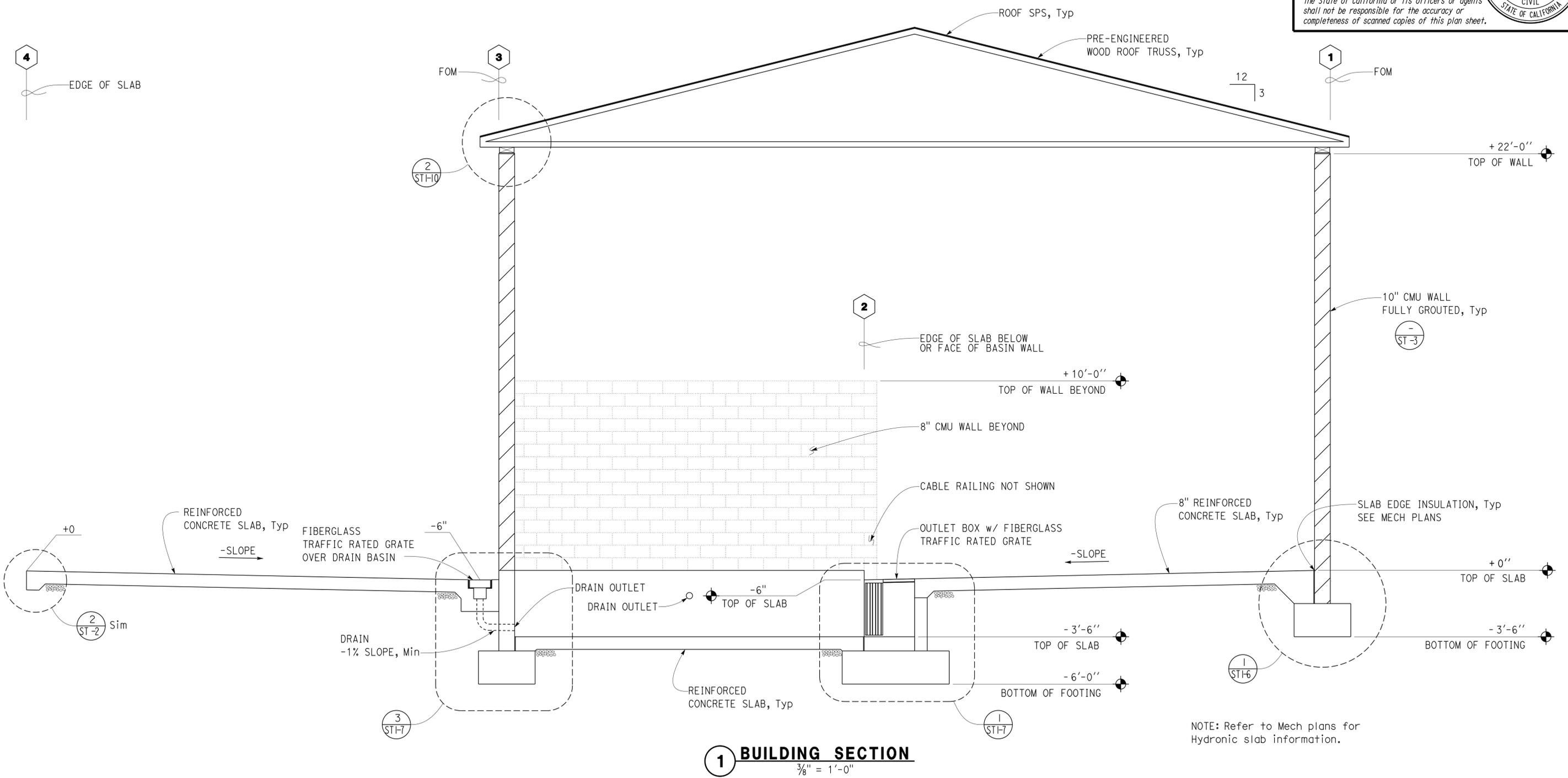
1 ROOF FRAMING PLAN
 1/4" = 1'-0"

ROOF SPS 1 1/2" CDX EXPOSURE 1
 w/ 32/16 SPAN RATING, Typ
 10d NAILING:
 4" CONTINUOUS EDGES
 6" OTHER EDGES
 12" FIELD

DESIGN BY Edward Zhang CHECKED Sean Samuel	DETAILS BY David W Good CHECKED Edward Zhang	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET ST1-3
					POST MILE	WASH BUILDING	ROOF FRAMING PLAN	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
TAEWW Imperial - CCSC Rev. 02/13			D:\CADDuser\Projects\Dist_07\0713000206_Lebec_Washrack\0713000206_Lebec_Washrack_Re-Expedite_08-15-14\st1_03.dgn		07-11-13 07-22-14			

26-AUG-2014 08:50

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		47	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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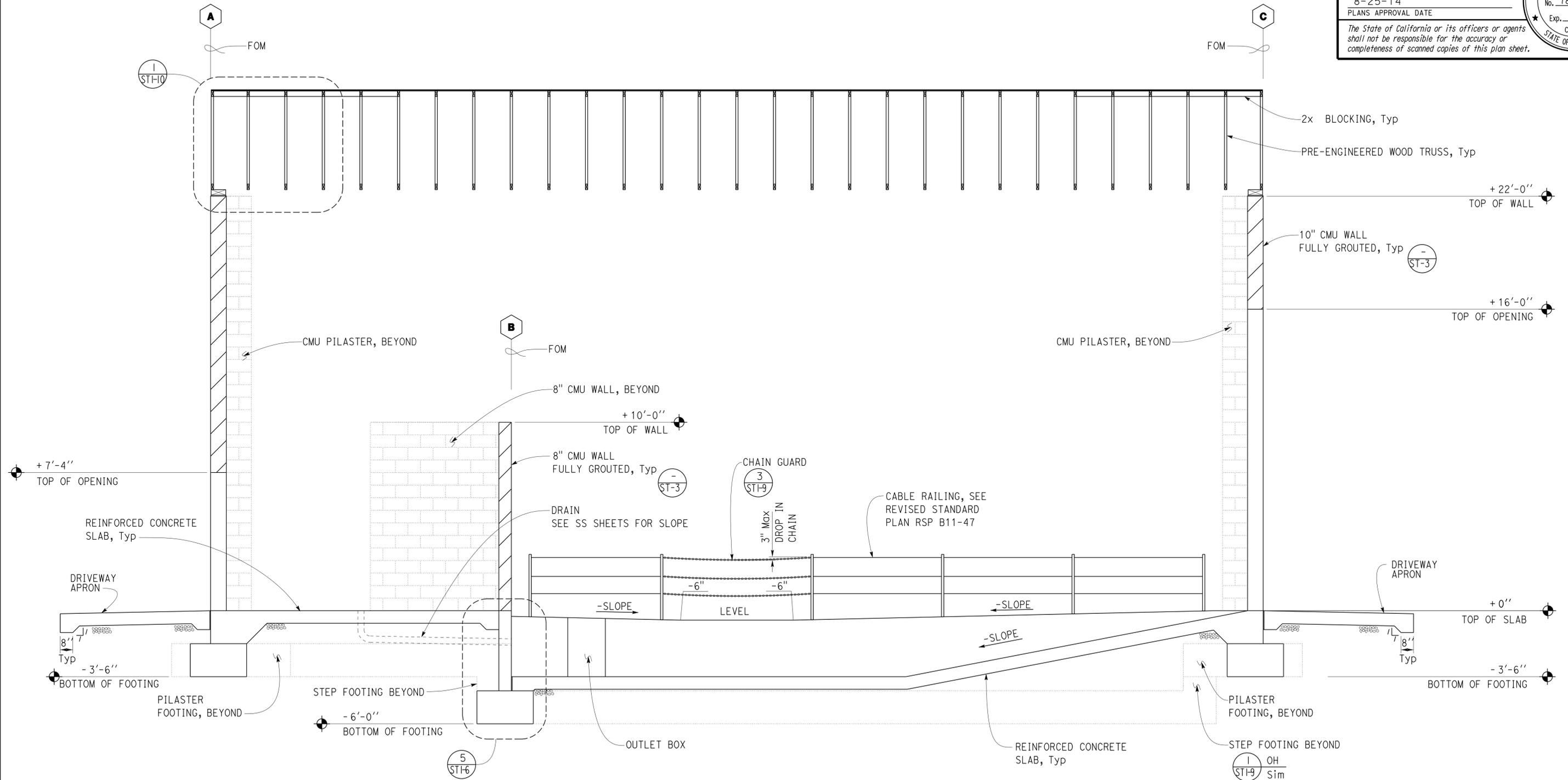
1 BUILDING SECTION
 $\frac{3}{8}'' = 1'-0''$

NOTE: Refer to Mech plans for Hydronic slab information.

DESIGN BY Edward Zhang CHECKED Sean Samuel	DETAILS BY David W Good CHECKED Edward Zhang	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET
					POST MILE	WASH BUILDING	BUILDING SECTION	ST1-4
					UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF



Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		48	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14				Exp. 9-30-15	
PLANS APPROVAL DATE				CIVIL	
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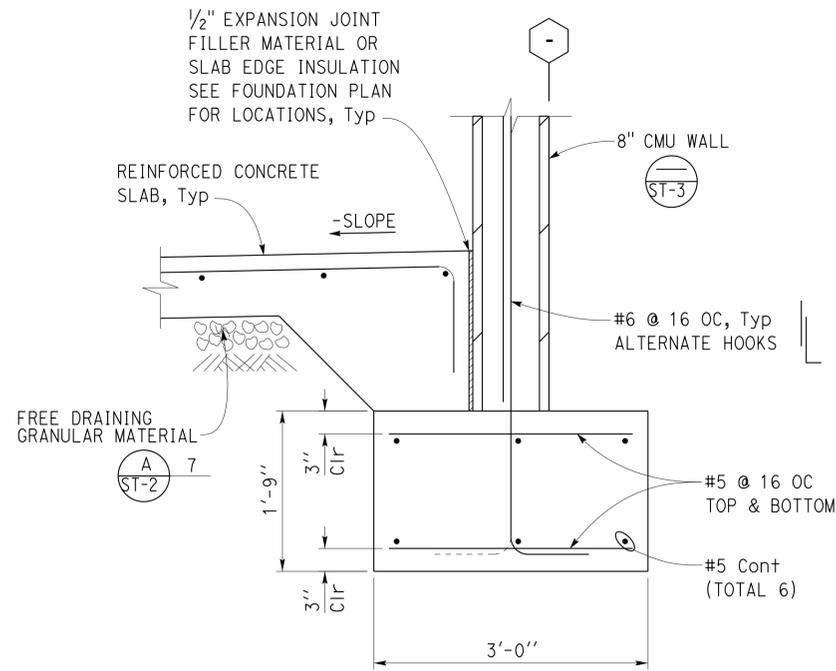


1 LONGITUDINAL SECTION
 $\frac{3}{8}'' = 1'-0''$

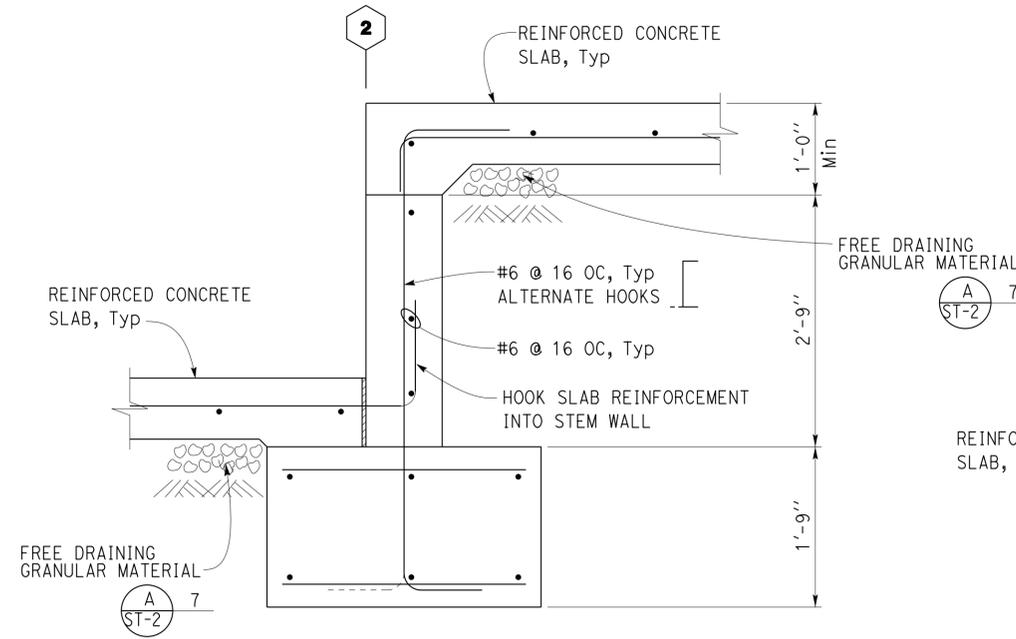
NOTE: Refer to Mech plans for Hydronic slab information.

DESIGN BY Edward Zhang CHECKED Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET ST1-5
			POST MILE	WASH BUILDING	LONGITUDINAL SECTION	
DETAILS BY David W Good CHECKED Edward Zhang	UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			OF
QUANTITIES BY CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	07-11-13	07-16-13	07-24-13	07-31-14

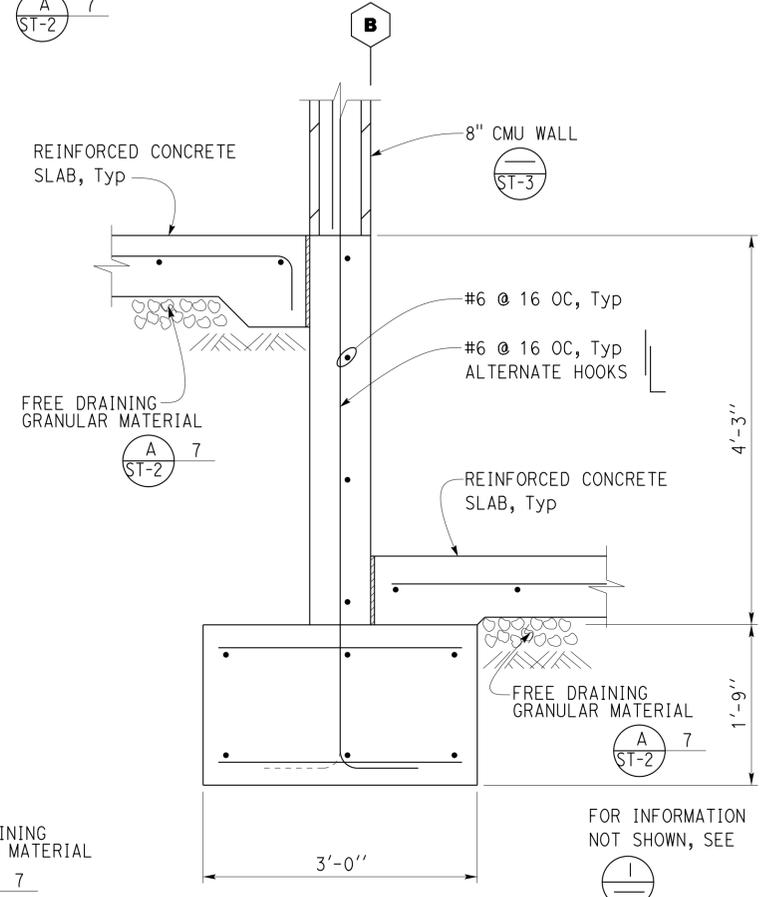
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		49	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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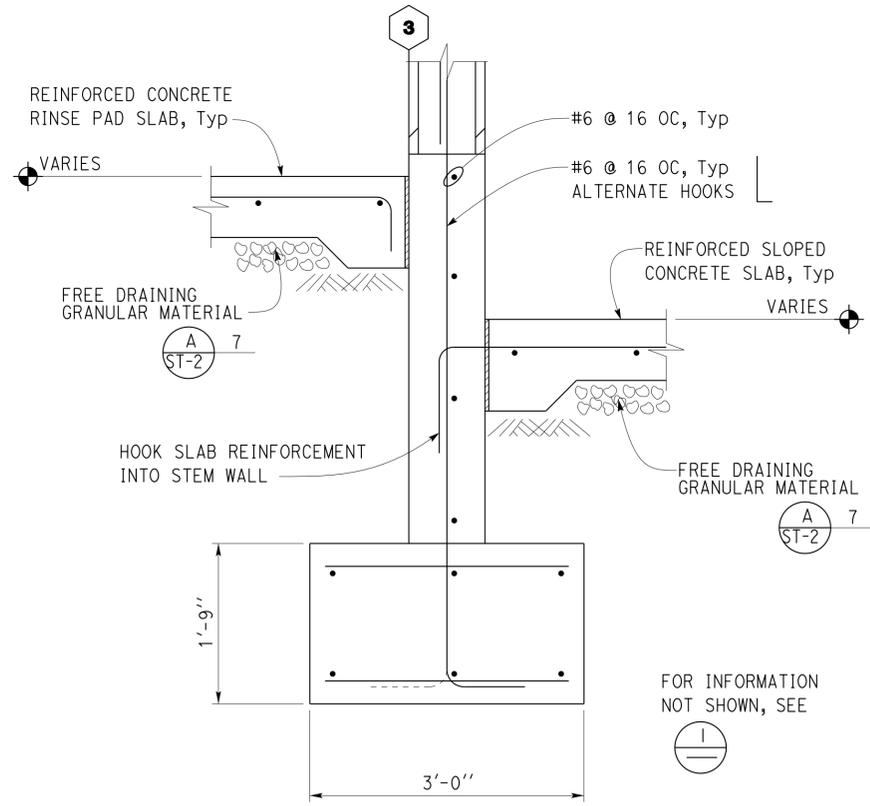
1 EXTERIOR FOOTING
1" = 1'-0"



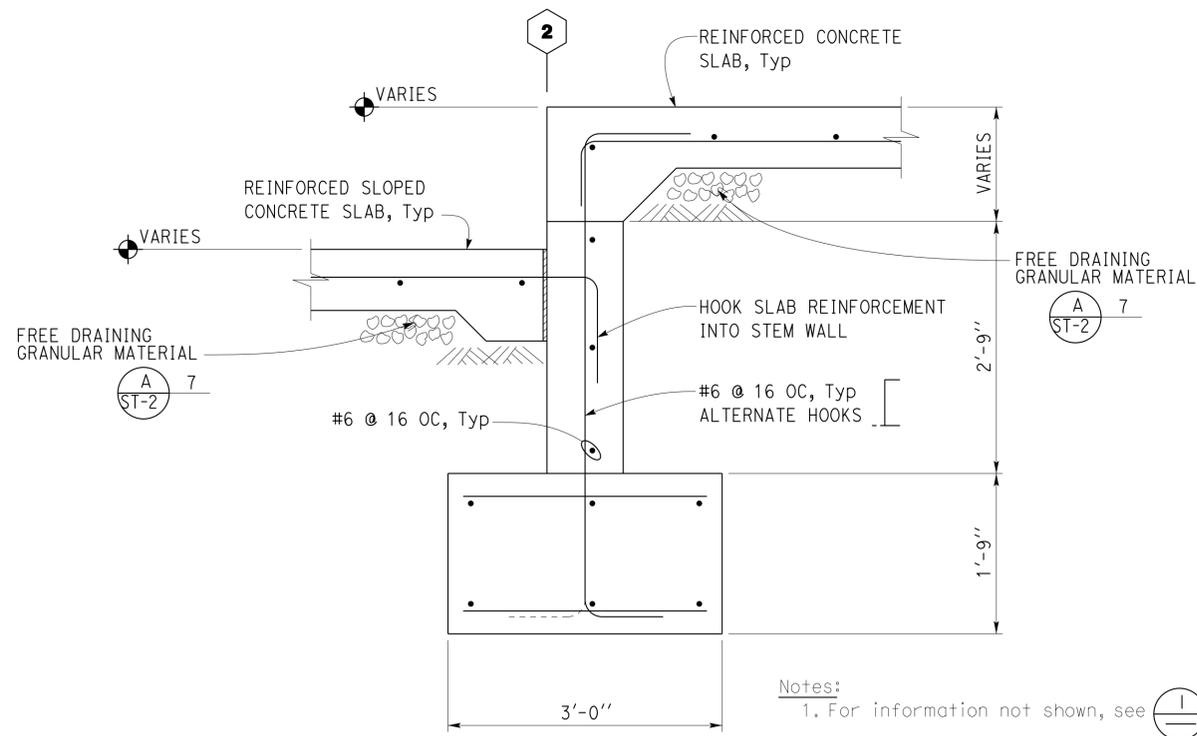
2 INTERIOR FOOTING
1" = 1'-0"



3 INTERIOR FOOTING
1" = 1'-0"



4 STEM WALL FOOTING
1" = 1'-0"



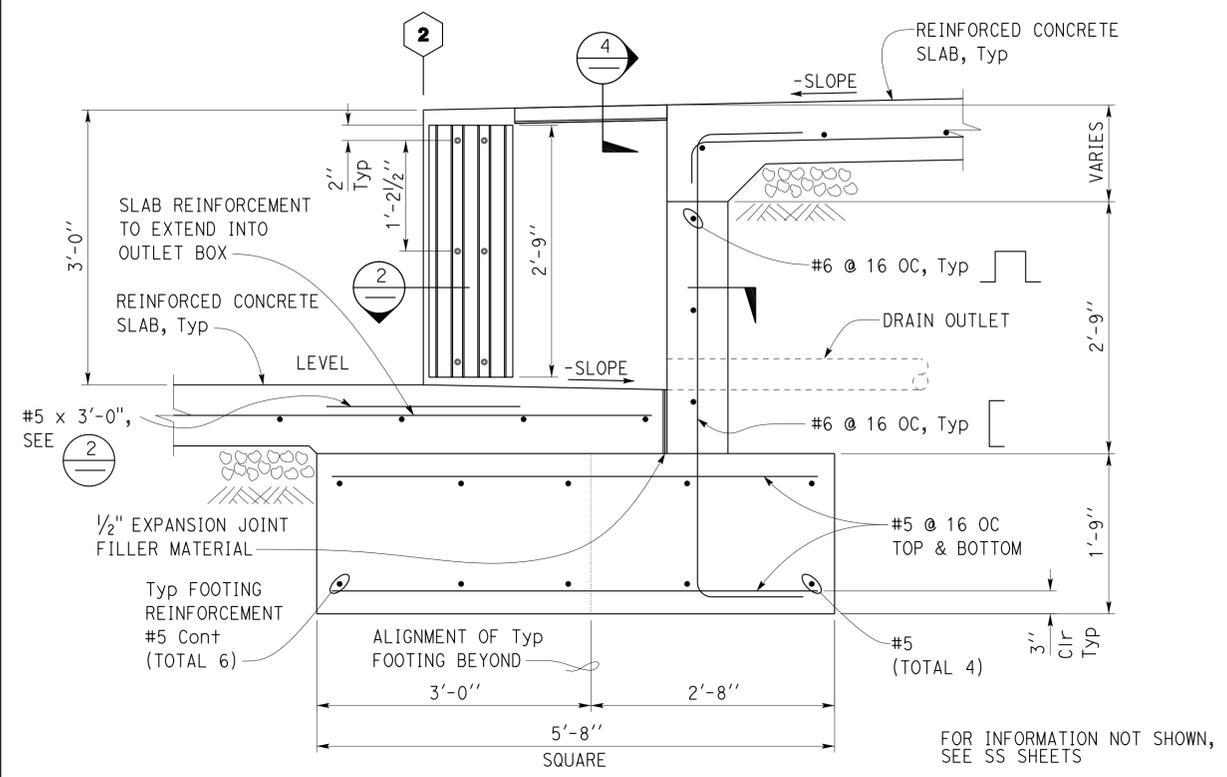
5 INTERIOR FOOTING
1" = 1'-0"

Notes:
1. For information not shown, see (1)
2. Cable railing not shown.

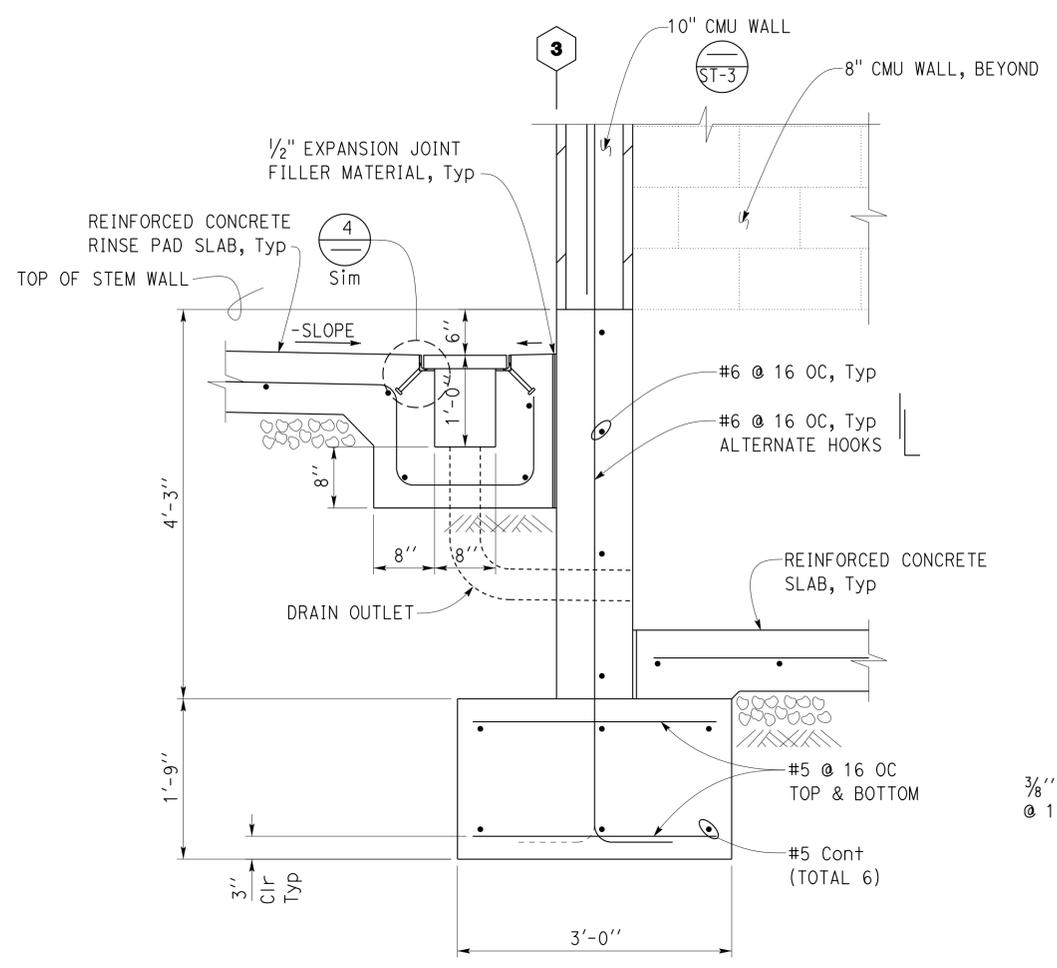
Notes:
1. For information not shown, see (1)
2. Cable railing not shown.

DESIGN BY Edward Zhang	CHECKED Sean Samuel	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET ST1-6	
DETAILS BY David W Good	CHECKED Edward Zhang			POST MILE	WASH BUILDING	FOUNDATION DETAILS		OF
QUANTITIES BY	CHECKED			DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	07-22-13/07-31-14		SHEET OF		

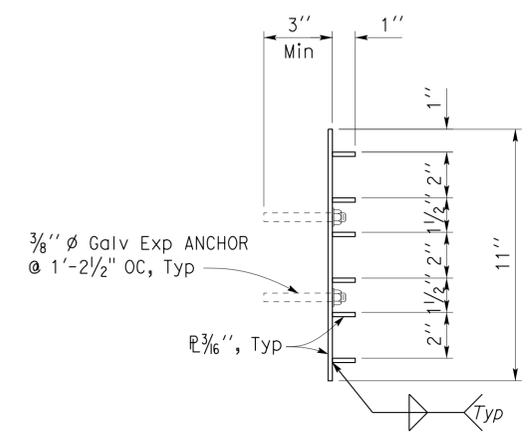
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		50	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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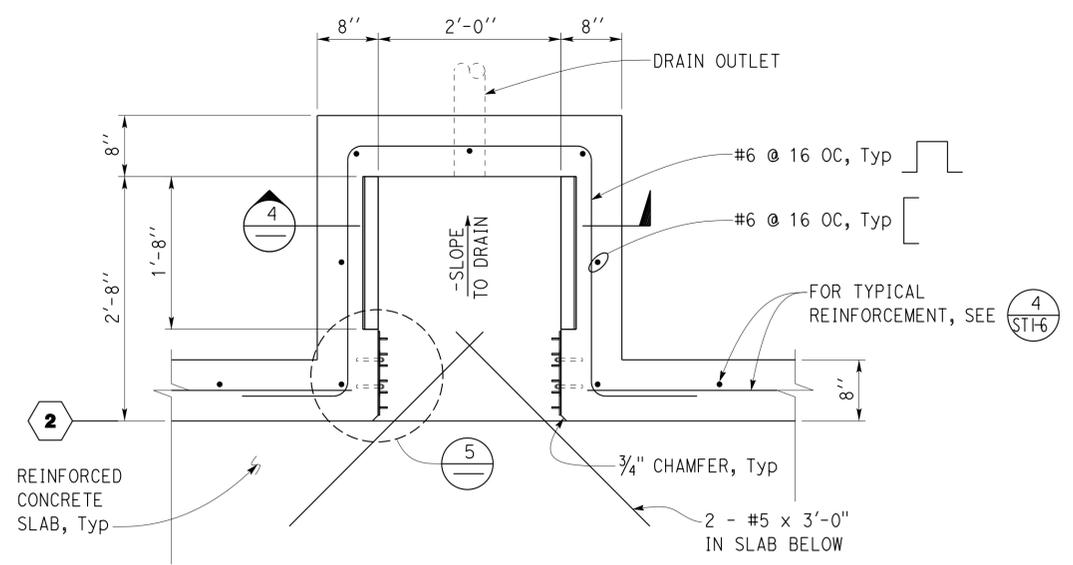
1 OUTLET BOX FOOTING
1" = 1'-0"



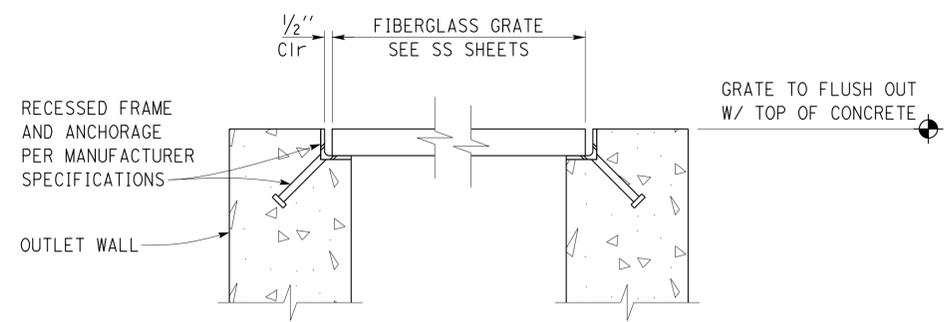
3 FOOTING AT BASIN
1" = 1'-0"



5 GATE GUIDES
1" = 1'-0"



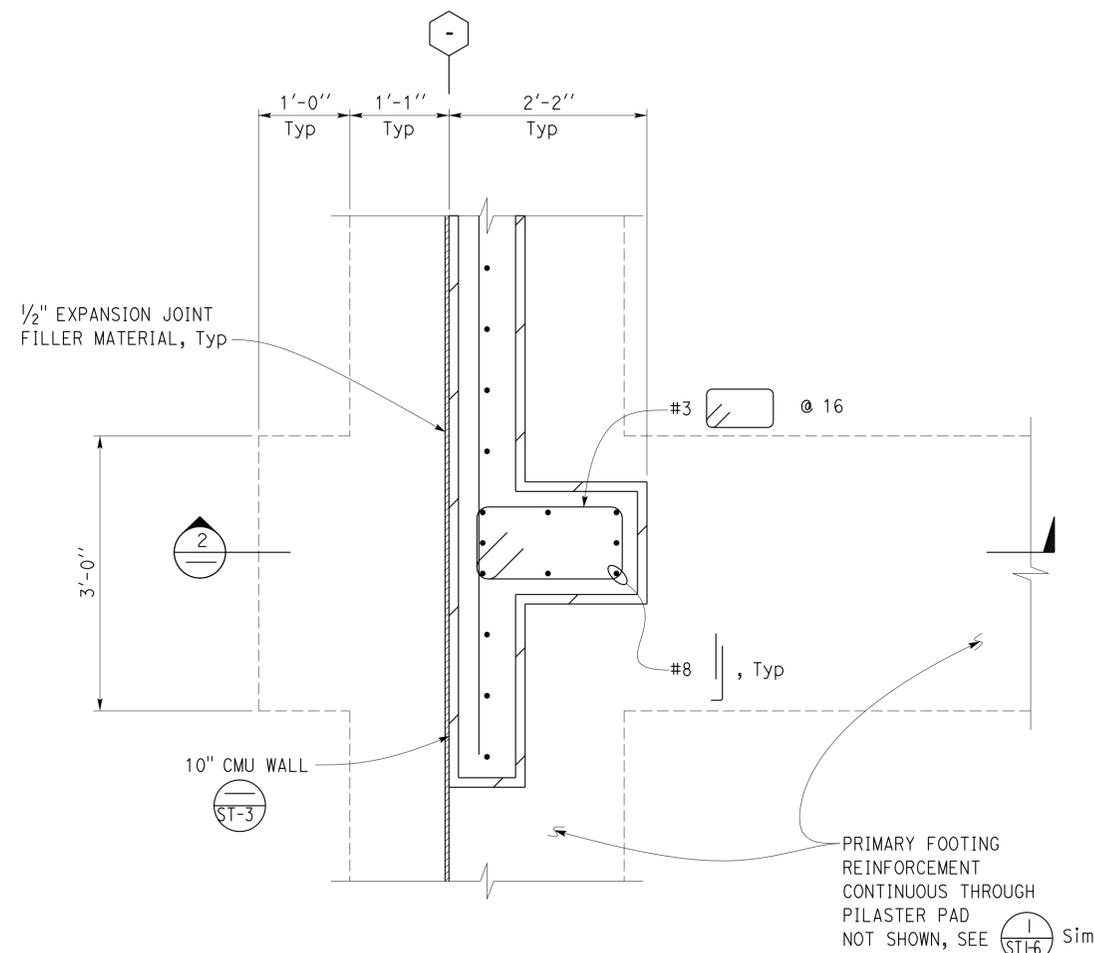
2 OUTLET BOX
1" = 1'-0"



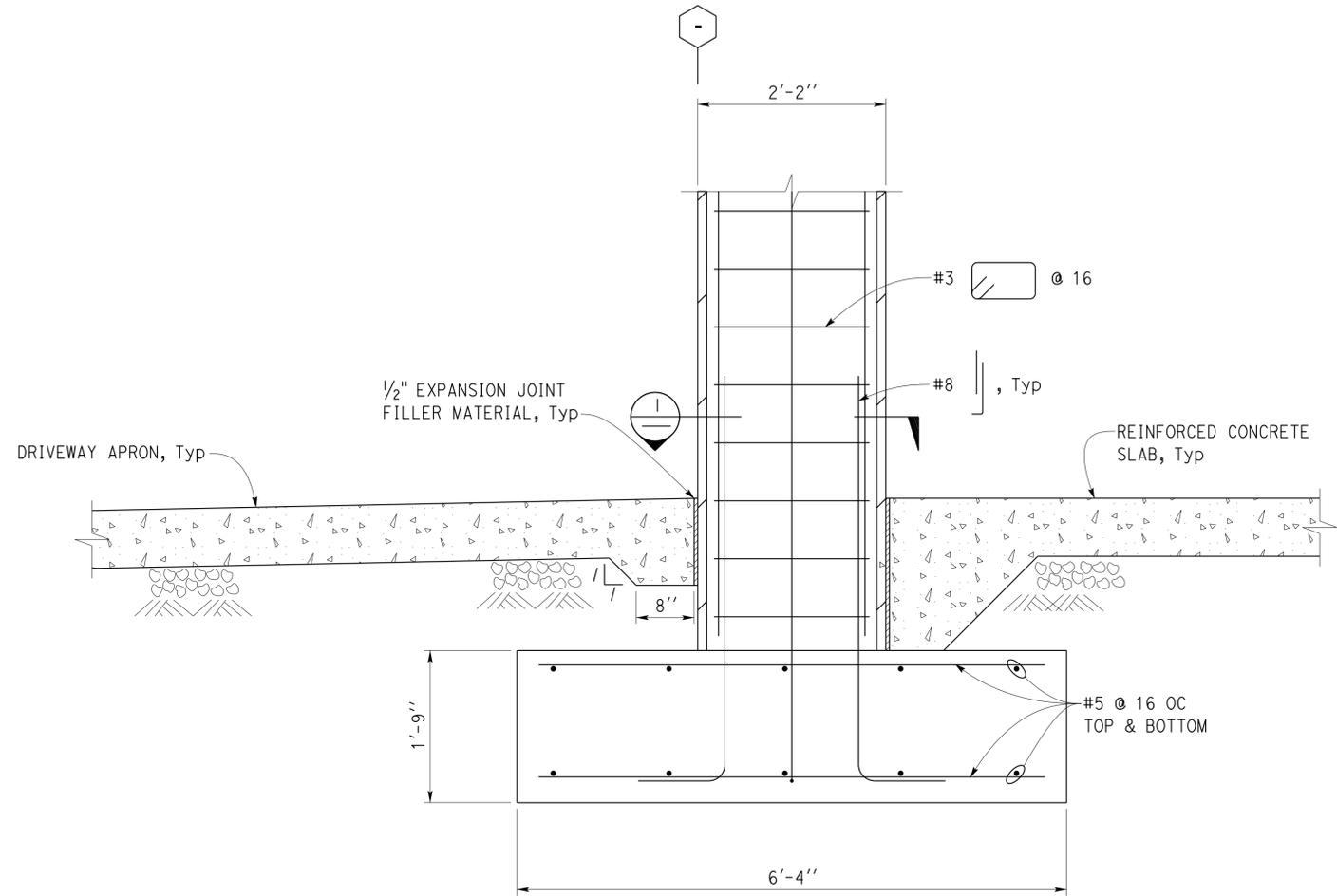
4 GRATE AND FRAME SECTION
2" = 1'-0"

DESIGN	BY	Edward Zhang	CHECKED	Sean Samuel	BRIDGE No.	5725	LEBEC MAINTENANCE STATION	SHEET	ST1-7
	DETAILS	BY	David W Good	CHECKED					
QUANTITIES	BY		CHECKED		POST MILE		WASH BUILDING	OUTLET BOX AND BASIN DETAILS	
STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION					DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN		REVISION DATES (PRELIMINARY STAGE ONLY)		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		
TAEWW Imperial - CCSC Rev. 02/13					0 1 2 3		07-23-13 08-08-13 07-22-14		
D:\CADDuser\Projects\Dist_07\0713000206_Lebec_Washrack\0713000206_Lebec_Washrack_Re-Expedite_08-15-14\st1_07.dgn									

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		51	97
<i>E.K. Zhang</i> REGISTERED CIVIL ENGINEER			10-24-13 DATE	REGISTERED PROFESSIONAL ENGINEER Xiaoran Zhang No. 78408 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA	
8-25-14 PLANS APPROVAL DATE					
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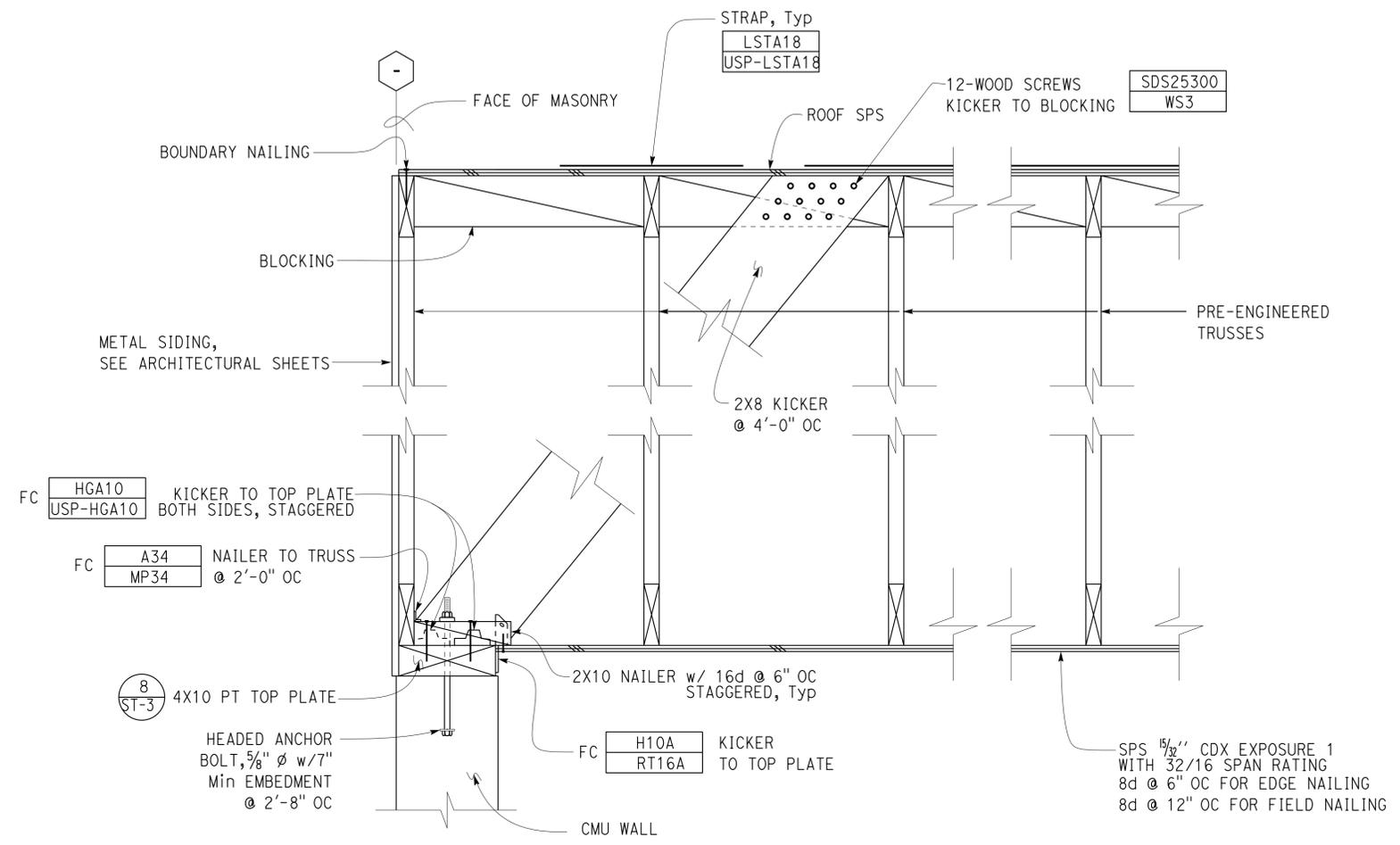
1 PILASTER SECTION
1" = 1'-0"



2 PILASTER DETAIL
1" = 1'-0"

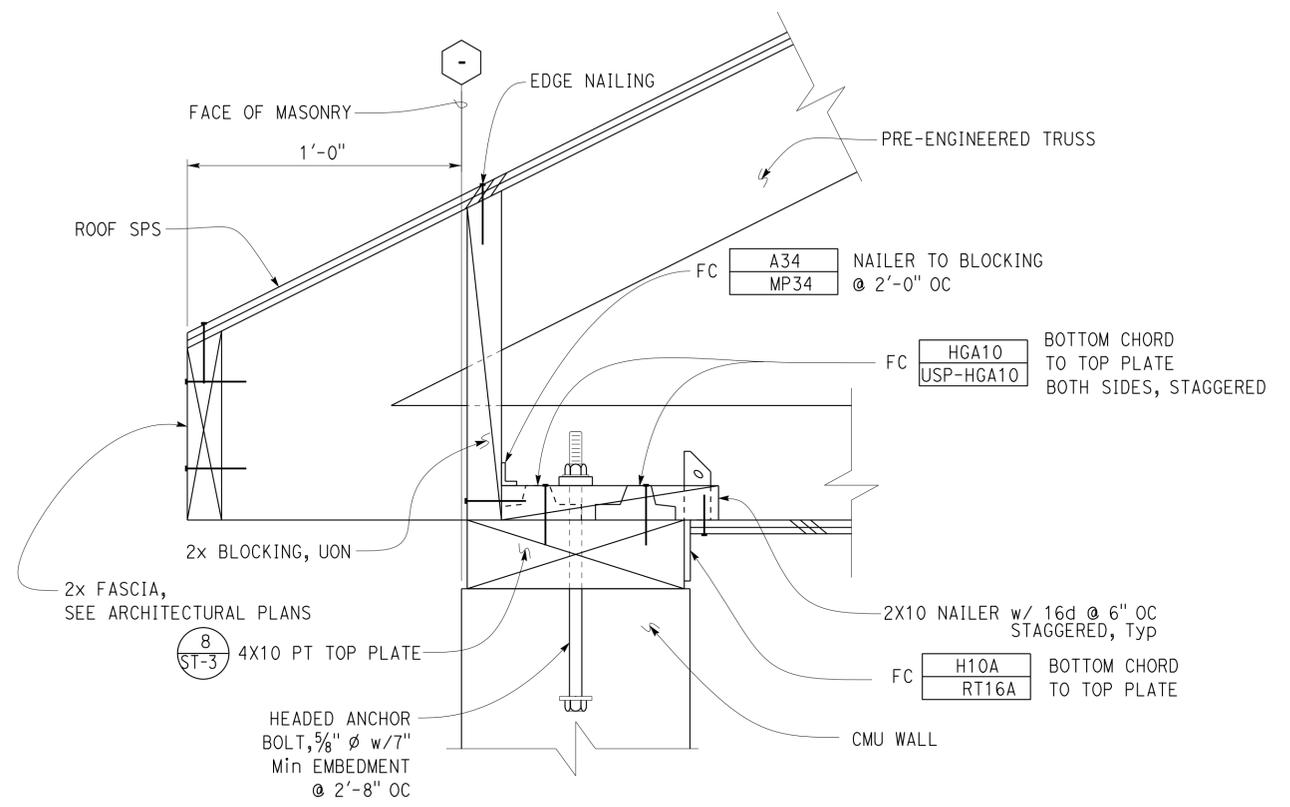
DESIGN BY Edward Zhang CHECKED Sean Samuel	DETAILS BY David W Good CHECKED Edward Zhang	QUANTITIES BY CHECKED	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 5275	LEBEC MAINTENANCE STATION		SHEET
					POST MILE	WASH BUILDING	PILASTER FOOTING DETAILS	
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			UNIT: 3599 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)	
0 1 2 3			07-23-13 07-31-14				SHEET OF	

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		53	97
E.X. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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: Leveling mortar not shown for clarity.

1 ROOF FRAMING AT GABLE
1/2" = 1'-0"

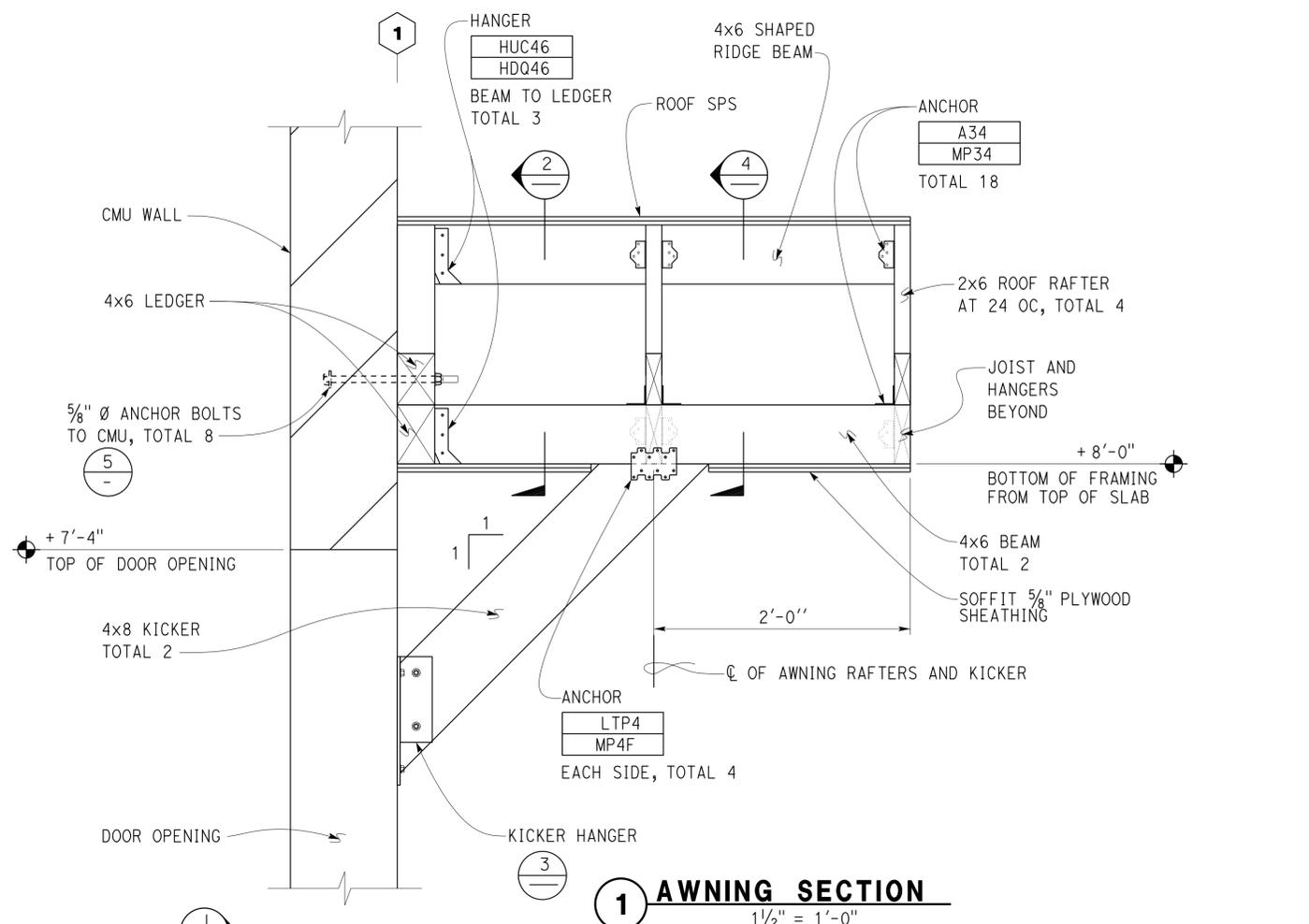


Note: Leveling mortar not shown for clarity.

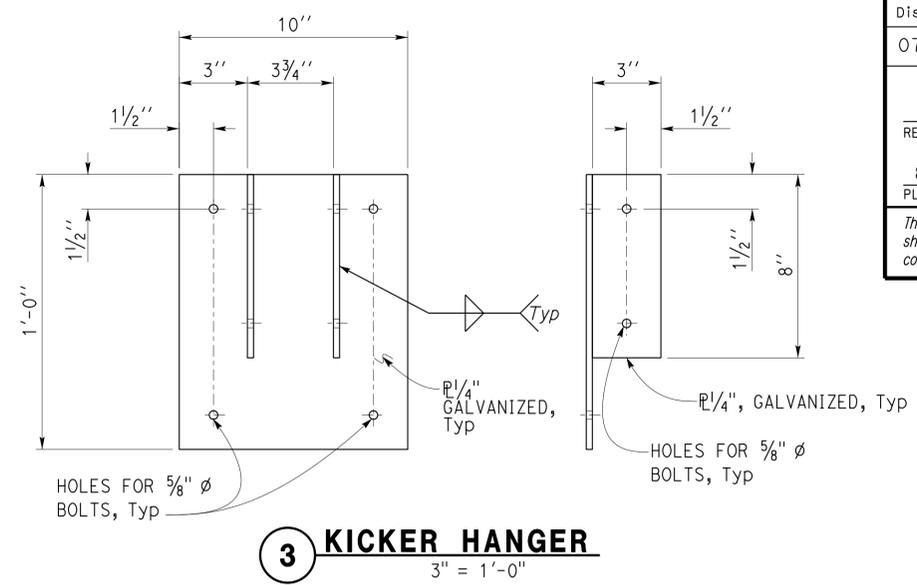
2 TRUSS TO TOP PLATE
3" = 1'-0"

DESIGN BY Edward Zhang	CHECKED Sean Samuel	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	LEBEC MAINTENANCE STATION		SHEET ST1-10
				5275	WASH BUILDING	ROOF DETAILS	
DETAILS BY David W Good	CHECKED Edward Zhang	DEPARTMENT OF TRANSPORTATION	PROJECT NUMBER & PHASE: 07130002061	POST MILE	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY	CHECKED	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3599 CONTRACT No.: 2W5401		05-23-12 07-24-12 08-01-14		

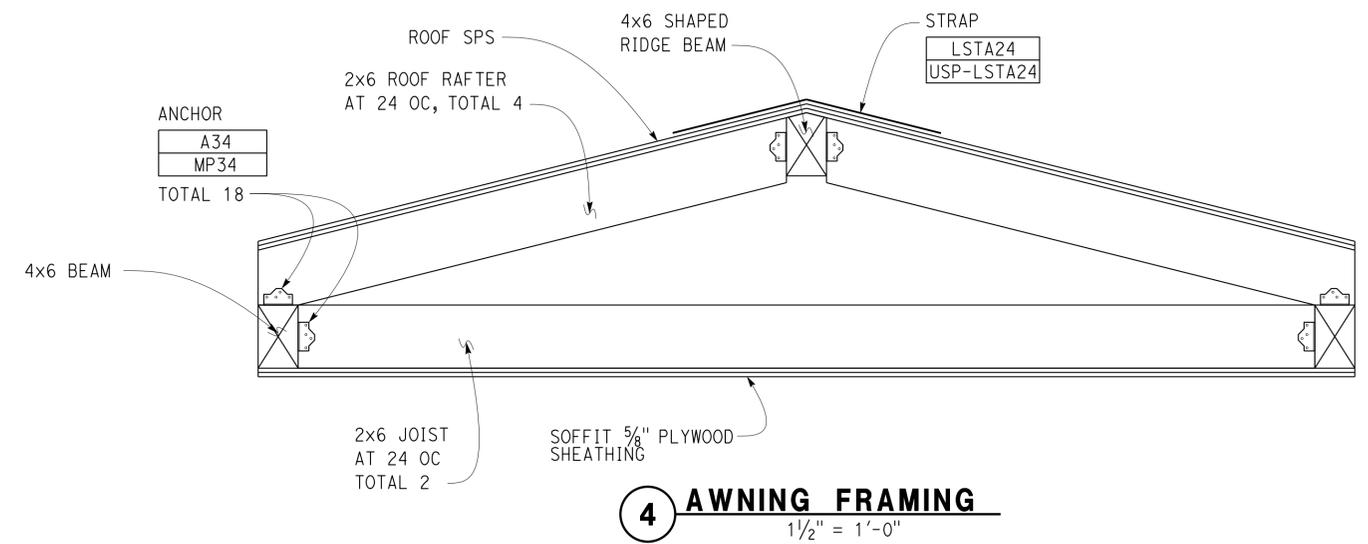
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		54	97
E.K. Zhang			10-24-13	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED CIVIL ENGINEER			DATE	No. 78408	
8-25-14			PLANS APPROVAL DATE	Exp. 9-30-15	
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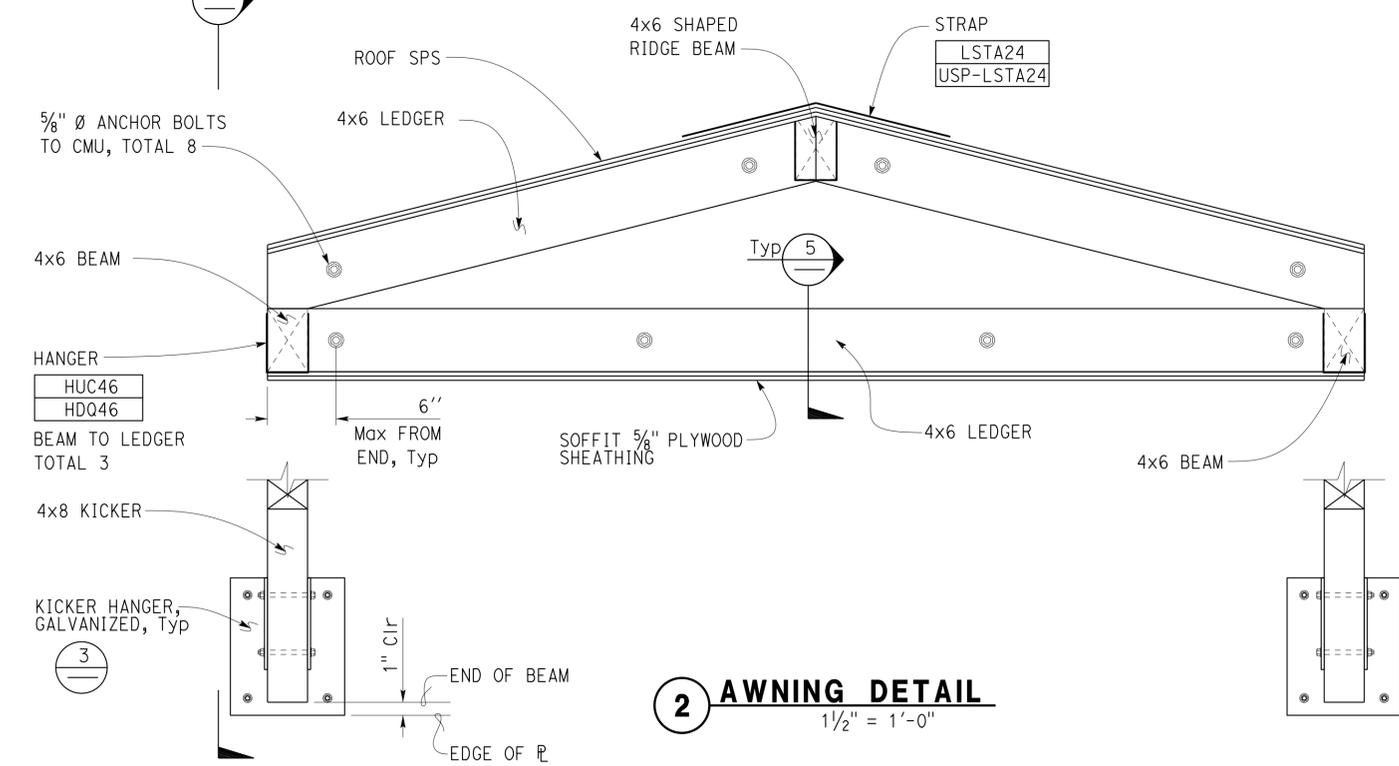
1 AWNING SECTION
1 1/2" = 1'-0"



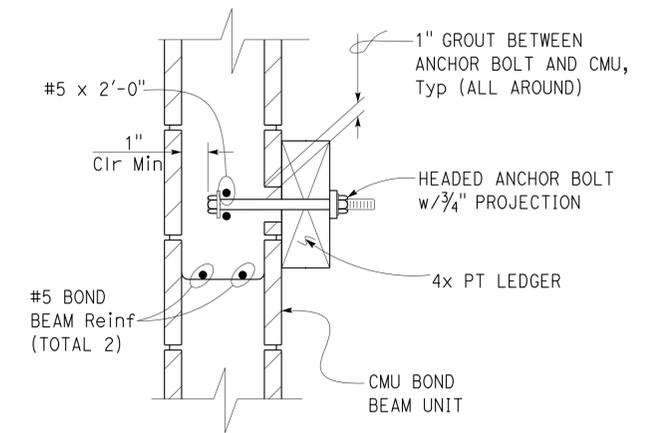
3 KICKER HANGER
3" = 1'-0"



4 AWNING FRAMING
1 1/2" = 1'-0"



2 AWNING DETAIL
1 1/2" = 1'-0"



5 WOOD LEDGER DETAIL
No Scale

DESIGN	BY Edward Zhang	CHECKED Sean Samuel
DETAILS	BY David W Good	CHECKED Edward Zhang
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 5275
POST MILE

LEBEC MAINTENANCE STATION
WASH BUILDING
AWNING DETAILS

SHEET ST1-11 OF

PLUMBING

- — — — COLD WATER
- A — COMPRESSED AIR
- F — FIRE SERVICE WATER LINE
- G — GAS
- 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
- G — ELBOW, TURNED DOWN
- O — ELBOW, TURNED UP
- — — — REDUCER, CONCENTRIC
- — — — PRESSURE GAUGE (WITH GAGE COCK AND SNUBBER)
- — — — STRAINER
- — — — UNION
- — — — UNION, INSULATING
- O — VALVE, BALL
- Z — VALVE, CHECK
- — — — VALVE, GAS
- — — — VALVE, GATE
- — — — VALVE, SAFETY RELIEF
- — — — VALVE, PRESSURE REDUCING
- — — — VALVE, PRESSURE/TEMPERATURE
- — — — WATER HAMMER ARRESTOR

HEATING, VENTILATING AND AIR CONDITIONING

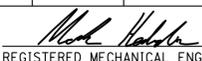
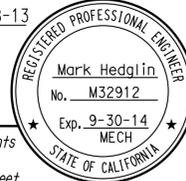
- — — — BALANCE DAMPER
- — — — FLEXIBLE DUCT
- EA — EXHAUST AIR
- RA — RETURN AIR
- SA — SUPPLY AIR
- ☒ SIZE EXHAUST REGISTER
- □ OR ☒ SIZE RETURN REGISTER, SEE NOTE
- ← □ OR ☒ SIZE SUPPLY DIFFUSER, SEE NOTE
- ⊙ T THERMOSTAT
- ⊙ TS TIME SWITCH
- ⊙ EF EXHAUST FAN
- ⊙ FE FIRE EXTINGUISHER
- ☒ CHLF COMBINATION HEAT LAMP, LIGHT AND FAN UNIT

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
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 Reviewed by: AARON GREER
 Approval date: 10-16-13
 CSFM # 01-15-II-0007

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		55	97
 REGISTERED MECHANICAL ENGINEER			11-08-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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MECHANICAL ABBREVIATIONS

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> A/C AIR CONDITIONING ABS ACRYLONITRILE BUTADIENE STYRENE AC ASPHALT CONCRETE AD AIR DROP AP ALTERNATIVE PIPE ATF AUTOMATIC TRANSMISSION FLUID BFP BACKFLOW PREVENTER BLDG BUILDING BTU BRITISH THERMAL UNIT BTUH BRITISH THERMAL UNIT PER HOUR BV BALANCING VALVE C CONDUIT CAP CAPACITY CHLF COMBINATION HEAT LAMP, LIGHT AND FAN UNIT CI CAST-IRON CO CLEANOUT COTF CLEANOUT THROUGH FLOOR COTG CLEANOUT THROUGH GRADE CV CHECK VALVE CW COLD WATER CFM CUBIC FEET PER MINUTE D DEPTH DIA DIAMETER DWV DRAIN/WASTE/VENT DB DRY BULB DF DRINKING FOUNTAIN DH DUCT HEATER (E) EXISTING EA EXHAUST AIR EEW&S EMERGENCY EYEWASH AND SHOWER EF EXHAUST FAN ELEV ELEVATION ELECT ELECTRICAL ESP EXTERNAL STATIC PRESSURE EWC ELECTRIC WATER COOLER EWL ELECTRIC WATER HEATER °F FARENHEIT FC FLEXIBLE CONNECTION FD FLOOR DRAIN FDC FIRE DEPARTMENT CONNECTION FE FIRE EXTINGUISHER FG FINISH GRADE FL FLOW LINE FH FIRE HYDRANT FS FLOW SWITCH FTR FLUE THRU ROOF | <ul style="list-style-type: none"> GA GAUGE GALV GALVANIZED GH GROUND HYDRANT GV GLOBE VALVE GPM GALLONS PER MINUTE GSP GALVANIZED STEEL PIPE GV GATE VALVE GWH GAS WATER HEATER GYP GYPSUM H HEIGHT HB HYDRANT BOX H/C HOT WATER, HIGH PRESSURE CLEANER HF HOSE FAUCET HVAC HEATING, VENTILATING AND AIR CONDITIONING HW HOT WATER HWH HOT WATER HEATER HZ HERTZ ID INSIDE DIAMETER IE INVERT ELEVATION IN INCH IPS INTERNATIONAL PIPE STANDARD IVF INDUSTRIAL VENTILATION FAN KS KITCHEN SINK KW KILOWATT LAV LAVATORY LPG LIQUIFIED PETROLEUM GAS L/S LITERS PER SECOND MAX MAXIMUM MH MANHOLE MIN MINIMUM MS MOP SINK (N) NEW NIC NOT IN CONTRACT NO. NUMBER NPT NATIONAL PIPE THREAD NST NATIONAL STANDARD THREAD NPS NOMINAL PIPE SIZE OA OUTSIDE AIR OC ON CENTER OD OUTSIDE DIAMETER OG ORIGINAL GROUND PH PHASE POC POINT OF CONNECTION PVC POLYVINYL CHLORIDE PCC PORTLAND CEMENT CONCRETE PSI POUNDS PER SQUARE INCH PRV PRESSURE REDUCING VALVE | <ul style="list-style-type: none"> R RADIUS RH RADIANT HEATER REG REGISTER RCP REINFORCED CONCRETE PIPE RV RELIEF VALVE REQ REQUIRED RA RETURN AIR RD ROOF DRAIN SDS SANITARY DUMP STATION SS SANITARY SEWER SCH SCHEDULE S/S SERVICE SINK SHR SHOWER STD STANDARD S.P. STATIC PRESSURE STA STATION SA SUPPLY AIR SF SUPPLY FAN TCV TEMPERATURE CONTROL VALVE TP TRAP PRIMER TOT TOTAL TS TIME SWITCH TYP TYPICAL UH UNIT HEATER UR URINAL V VENT VAC VOLTAGE, ALTERNATING CURRENT VB VALVE BOX VR VENT RISER VTR VENT THRU ROOF W WIDTH W/ WITH W/O WITHOUT WB WET BULB WC WATER CLOSET W.C. WATER COLUMN W.H. WALL HYDRANT W.H.A. WATER HAMMER ARRESTOR WLS WATER LEVEL SWITCH WP WEATHERPROOF WSI WASH SINK WSP WELDED STEEL PIPE |
|---|--|--|

APPROVED FOR MECHANICAL WORK ONLY.

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: x-small;">DESIGN</td> <td style="font-size: x-small;">BY Mark Hedglin</td> <td style="font-size: x-small;">CHECKED Eric Schmitz</td> </tr> <tr> <td style="font-size: x-small;">DETAILS</td> <td style="font-size: x-small;">BY Mark Hedglin</td> <td style="font-size: x-small;">CHECKED Eric Schmitz</td> </tr> <tr> <td style="font-size: x-small;">QUANTITIES</td> <td style="font-size: x-small;">BY Mark Hedglin</td> <td style="font-size: x-small;">CHECKED Eric Schmitz</td> </tr> </table>	DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz	DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz	QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	LEBEC MAINTENANCE STATION ABBREVIATIONS	SHEET M0-0
DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz												
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz												
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz												
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF							

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 Approval date: 10-16-13
 CSFM# 01-15-II-0007

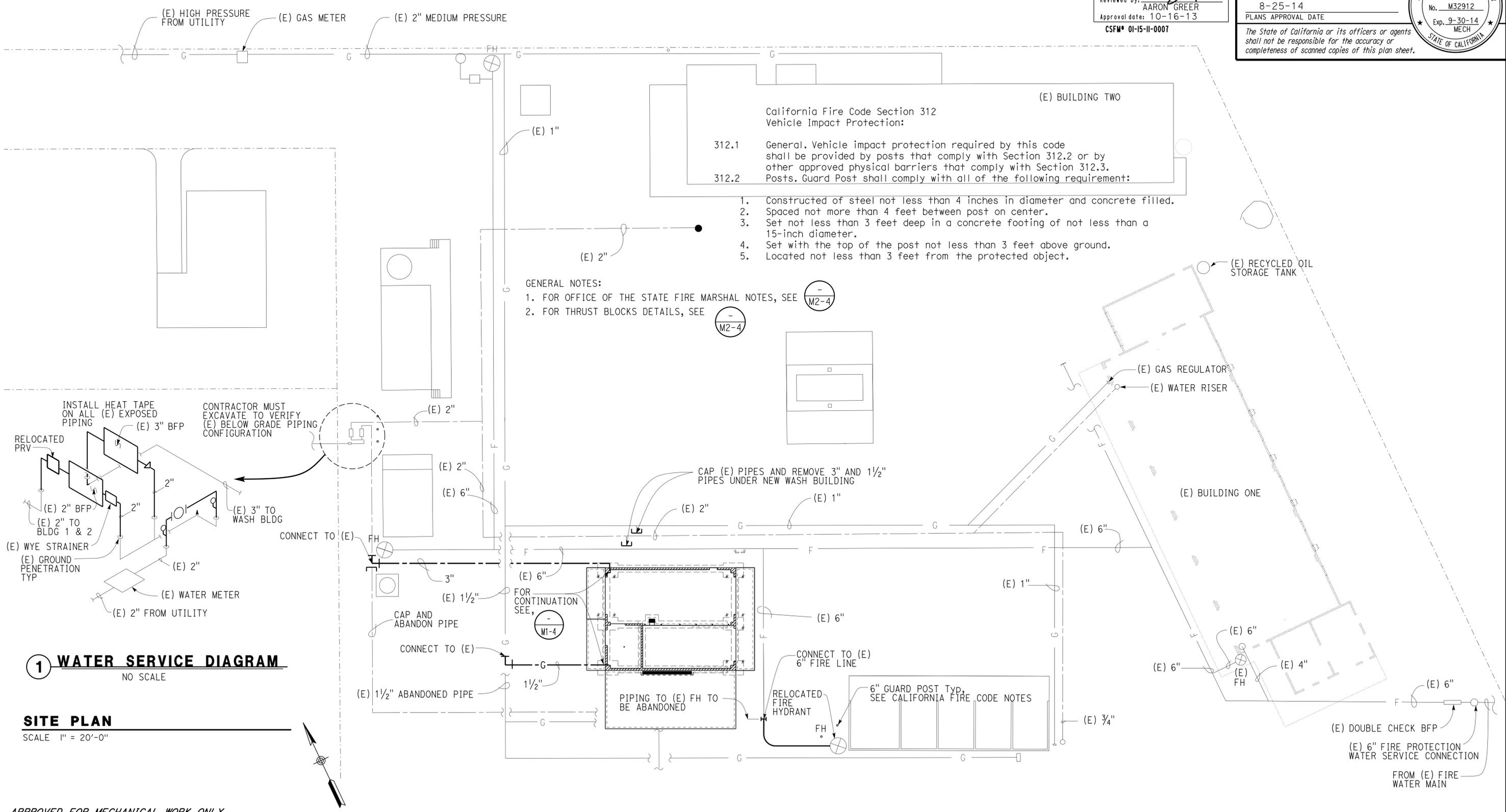
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		57	97

REGISTERED MECHANICAL ENGINEER Mark Hedglin DATE 11-08-13

8-25-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 No. M32912
 Exp. 9-30-14
 MECH
 STATE OF CALIFORNIA

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California Fire Code Section 312
 Vehicle Impact Protection:

312.1 General. Vehicle impact protection required by this code shall be provided by posts that comply with Section 312.2 or by other approved physical barriers that comply with Section 312.3.

312.2 Posts. Guard Post shall comply with all of the following requirement:

1. Constructed of steel not less than 4 inches in diameter and concrete filled.
2. Spaced not more than 4 feet between post on center.
3. Set not less than 3 feet deep in a concrete footing of not less than a 15-inch diameter.
4. Set with the top of the post not less than 3 feet above ground.
5. Located not less than 3 feet from the protected object.

GENERAL NOTES:
 1. FOR OFFICE OF THE STATE FIRE MARSHAL NOTES, SEE (M2-4)
 2. FOR THRUST BLOCKS DETAILS, SEE (M2-4)

1 WATER SERVICE DIAGRAM
 NO SCALE

SITE PLAN
 SCALE 1" = 20'-0"

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 50M5725
 POST MILE

LEBEC MAINTENANCE STATION
 MODIFIED MECHANICAL SITE PLAN

SHEET **M0-2** OF

CALIFORNIA STATE FIRE MARSHAL APPROVED
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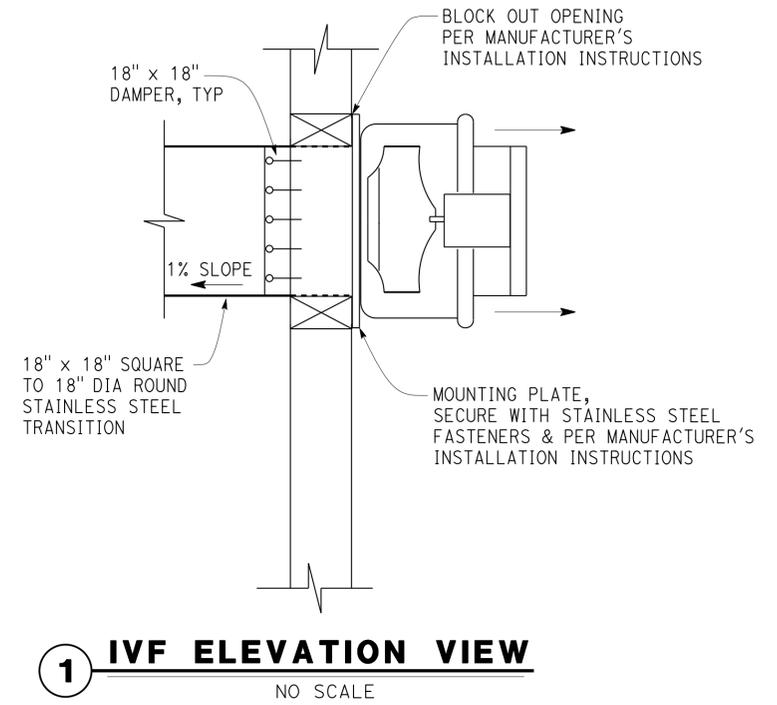
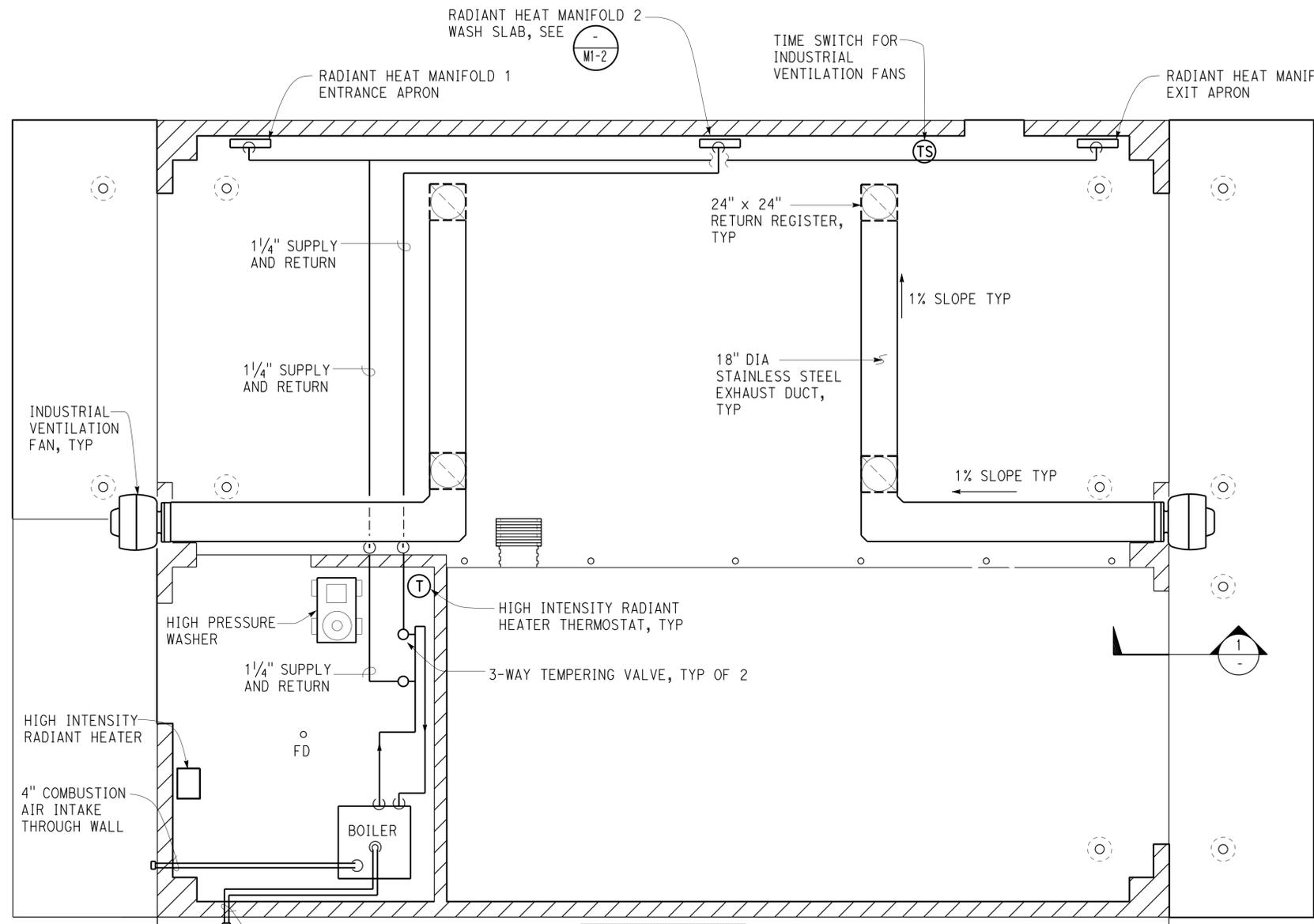
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		58	97

11-08-13
 REGISTERED MECHANICAL ENGINEER DATE

8-25-14
 PLANS APPROVAL DATE

Mark Hedglin
 No. M32912
 Exp. 9-30-14
 MECH
 STATE OF CALIFORNIA

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HEAT DISTRIBUTION PIPING AND EXHAUST FAN
 1/4" = 1'-0"

- NOTES:**
- All heat distribution piping must be filled with 35% propylene glycol solution.
 - All overhead piping must be installed at roof level and support from wall and or roof structure and route to avoid conflict with overhead door and other installations.
 - For radiant heating schematic, see MI-3

EQUIPMENT SCHEDULE

EQUIPMENT TYPE	CAPACITY	Rating	v-PH-HZ
BOILER	94% AFUE	200,000 BTUH	115-1-60
INDUSTRIAL VENTILATION FAN	4,800 CFM @ 1" S.P.	2 HP	230-3-60
INDUSTRIAL VACUUM*	150 CFM	2 x 1.6 HP	120-1-60
HIGH PRESSURE WASHER	3.0 GPM @ 3,500 PSI	13 HP	--
HIGH INTENSITY RADIANT HEATER	--	50,000 BTU	120-1-60

* SEE MI-4 FOR LOCATION

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN BY Mark Hedglin	CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION RADIANT PIPING PLAN	SHEET M1-1
DETAILS BY Mark Hedglin	CHECKED Eric Schmitz		POST MILE		
QUANTITIES BY Mark Hedglin	CHECKED Eric Schmitz		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN		

UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

05/17/13 06/20/13 07/22/13 08/27/13 11/8/13

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

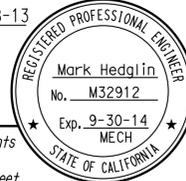
TAEWW Imperial - CCSC Rev. 01/13

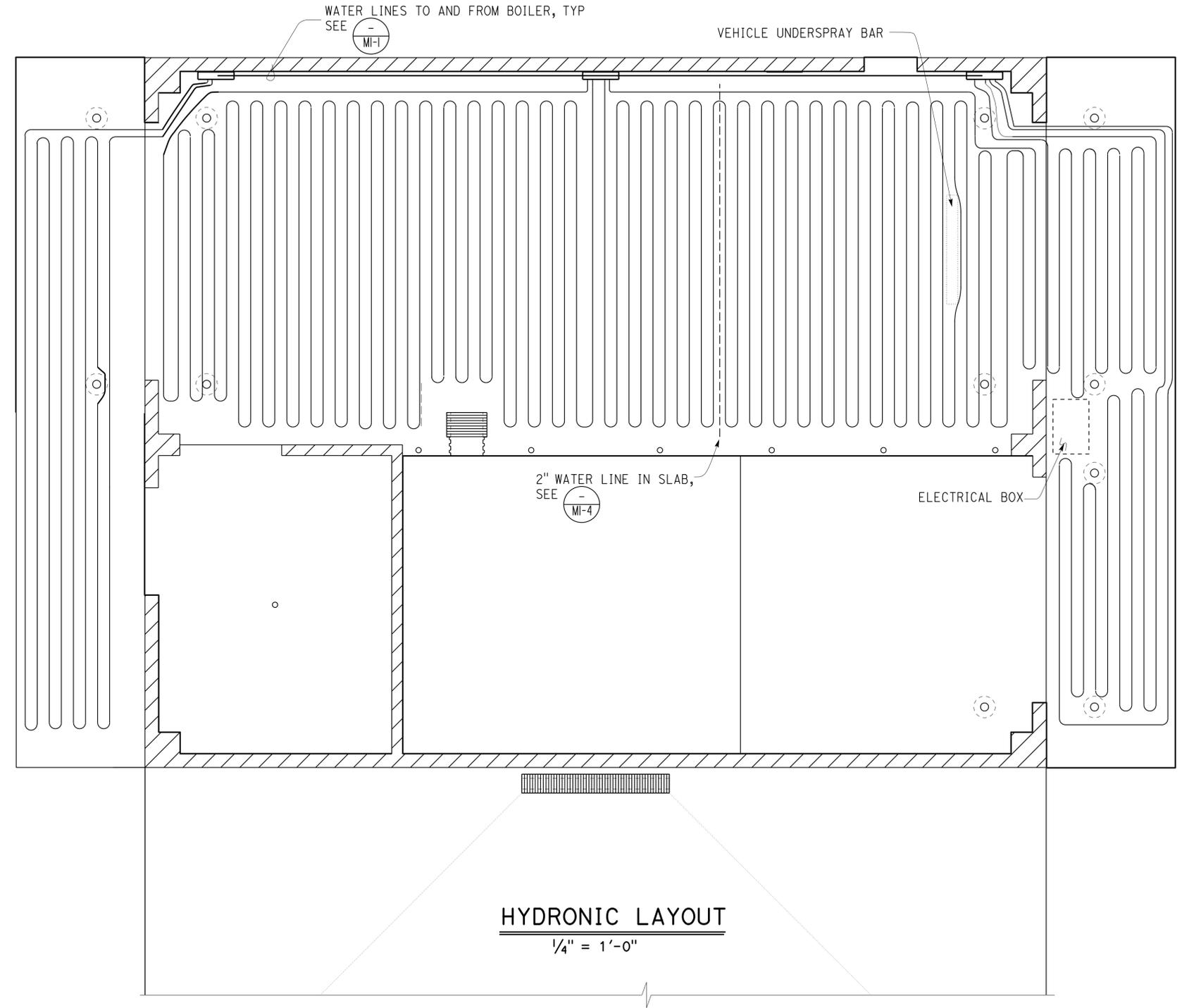
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 Approval date: 10-16-13

CSFM# 01-15-II-0007

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		59	97
<u>Mark Hedglin</u> REGISTERED MECHANICAL ENGINEER			11-08-13 DATE		
8-25-14 PLANS APPROVAL DATE					
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NOTES:

- All hydronic heating tubes must be 5/8" diameter PEX tubing and must be filled with 35% propylene glycol solution.
- All tubes to have 9" spacing except when returning to manifolds or limited by structure. Route tubes to avoid piping, guard posts, and equipment boxes in slab.
- Tubes to be placed 1'-0" from edges of slab.
- Provide insulation at the edges of heated slab.
- For tube in slab see (2/M2-1)
- For tubes crossing at expansion joints see (4/M2-1) and for construction joints see (5/M2-1)
- Tube layout diagrammatic actual layout as approved by the Engineer.

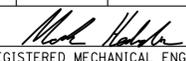
HYDRONIC LAYOUT
 1/4" = 1'-0"

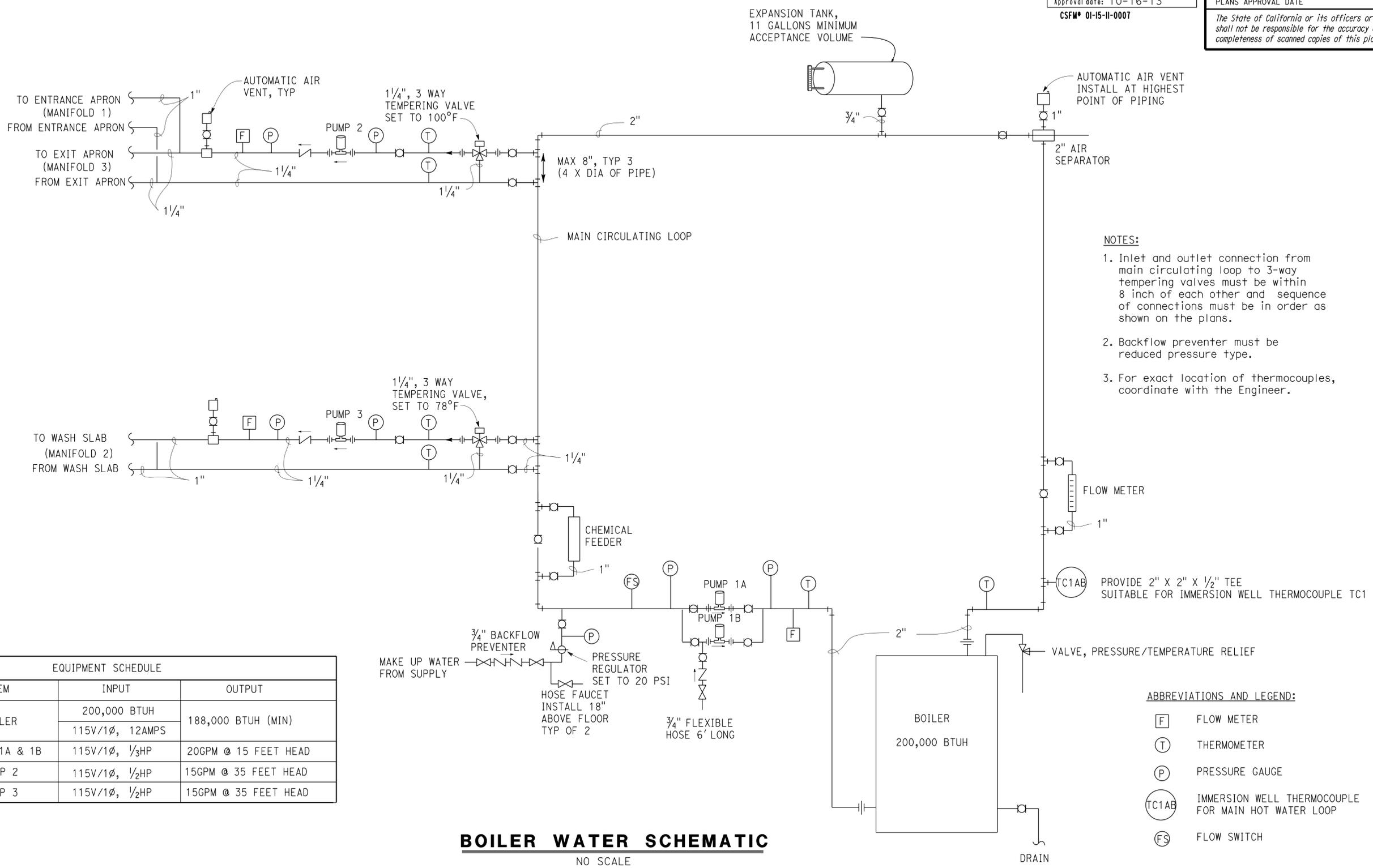
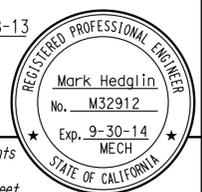
APPROVED FOR MECHANICAL WORK ONLY.

DESIGN BY <u>Mark Hedglin</u> CHECKED <u>Eric Schmitz</u> DETAILS BY <u>Mark Hedglin</u> CHECKED <u>Eric Schmitz</u> QUANTITIES BY <u>Mark Hedglin</u> CHECKED <u>Eric Schmitz</u>	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION RADIANT HEATING FLOOR PLAN	SHEET OF M1-2		
			POST MILE		DISREGARD PRINTS BEARING EARLIER REVISION DATES → <table border="1"> <tr> <th>REVISION DATES (PRELIMINARY STAGE ONLY)</th> <th>SHEET</th> <th>OF</th> </tr> <tr> <td>05/21/13 06/20/13 07/22/13 08/27/13 11/8/13</td> <td></td> <td></td> </tr> </table>	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET
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05/21/13 06/20/13 07/22/13 08/27/13 11/8/13							
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3		UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	C:\exped\te\0713000206_lebec_washrack\M1_2.dgn				

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- NOTES:**
- Inlet and outlet connection from main circulating loop to 3-way tempering valves must be within 8 inch of each other and sequence of connections must be in order as shown on the plans.
 - Backflow preventer must be reduced pressure type.
 - For exact location of thermocouples, coordinate with the Engineer.

- ABBREVIATIONS AND LEGEND:**
- [F] FLOW METER
 - [T] THERMOMETER
 - [P] PRESSURE GAUGE
 - [TC1AB] IMMERSION WELL THERMOCOUPLE FOR MAIN HOT WATER LOOP
 - [FS] FLOW SWITCH

EQUIPMENT SCHEDULE		
ITEM	INPUT	OUTPUT
BOILER	200,000 BTUH	188,000 BTUH (MIN)
	115V/1Ø, 12AMPS	
PUMP 1A & 1B	115V/1Ø, 1/3HP	20GPM @ 15 FEET HEAD
PUMP 2	115V/1Ø, 1/2HP	15GPM @ 35 FEET HEAD
PUMP 3	115V/1Ø, 1/2HP	15GPM @ 35 FEET HEAD

BOILER WATER SCHEMATIC
 NO SCALE

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

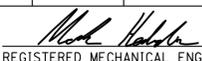
DIVISION OF ENGINEERING SERVICES
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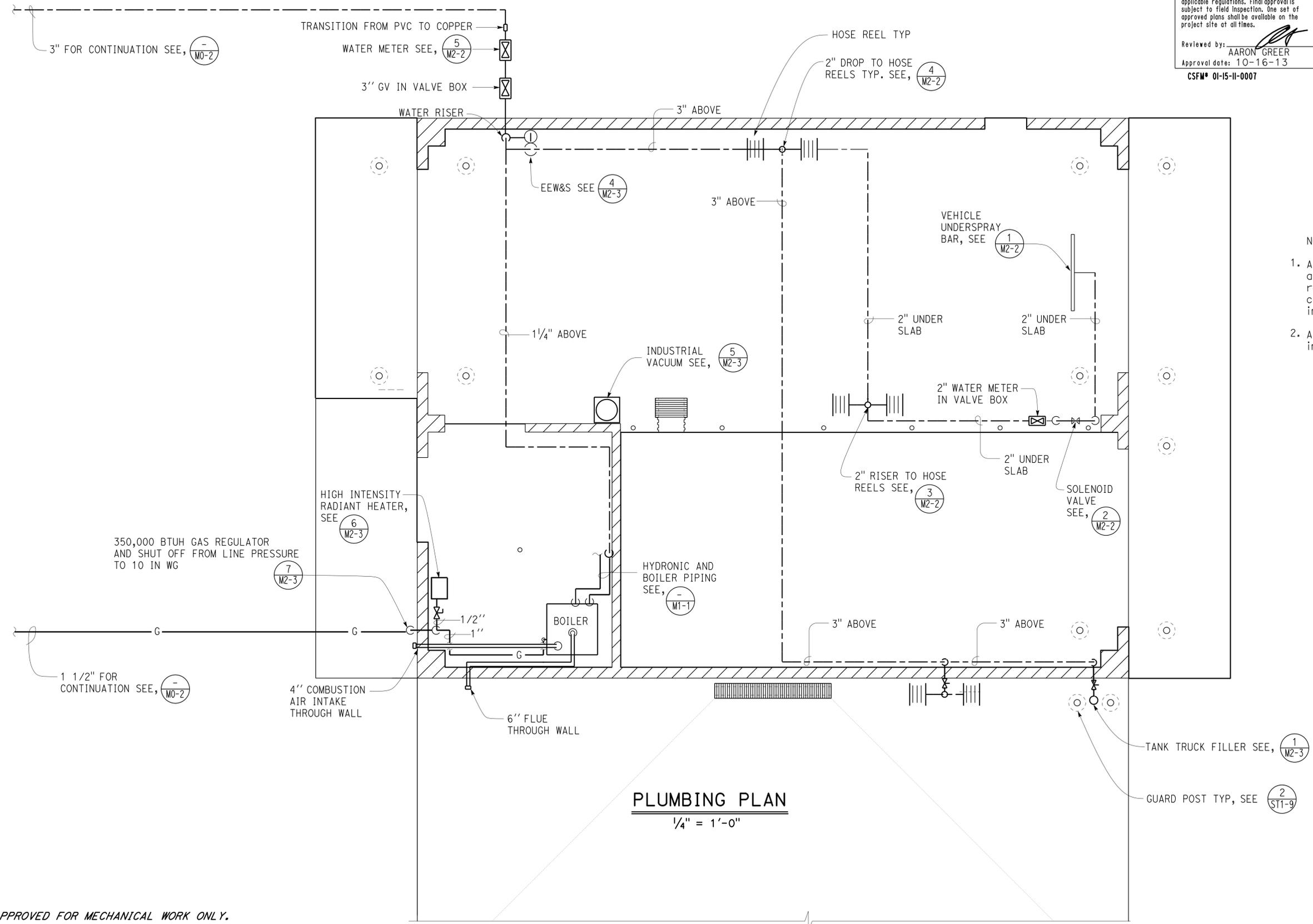
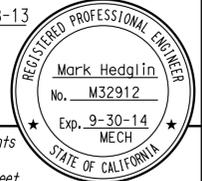
BRIDGE No. 50M5725
 POST MILE

LEBEC MAINTENANCE STATION
 BOILER SCHEMATIC

SHEET M1-3 OF

CALIFORNIA STATE FIRE MARSHAL APPROVED
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 Reviewed by: AARON GREER
 Approval date: 10-16-13
 CSFM # 01-15-II-0007

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		61	97
 REGISTERED MECHANICAL ENGINEER			11-08-13	DATE	
8-25-14			PLANS APPROVAL DATE		
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- NOTES:
1. All overhead piping must be installed at roof level, supported from wall or roof structure and route to avoid conflict with overhead door and other installations.
 2. All exposed water piping must be insulated.

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

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

BRIDGE No.
 50M5725
 POST MILE

LEBEC MAINTENANCE STATION
 PLUMBING PLAN

SHEET
M1-4

CALIFORNIA STATE FIRE MARSHAL
APPROVED
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Reviewed by: *Aaron Greer*
 AARON GREER
 Approval date: 10-16-13
 CSFM# 01-15-II-0007

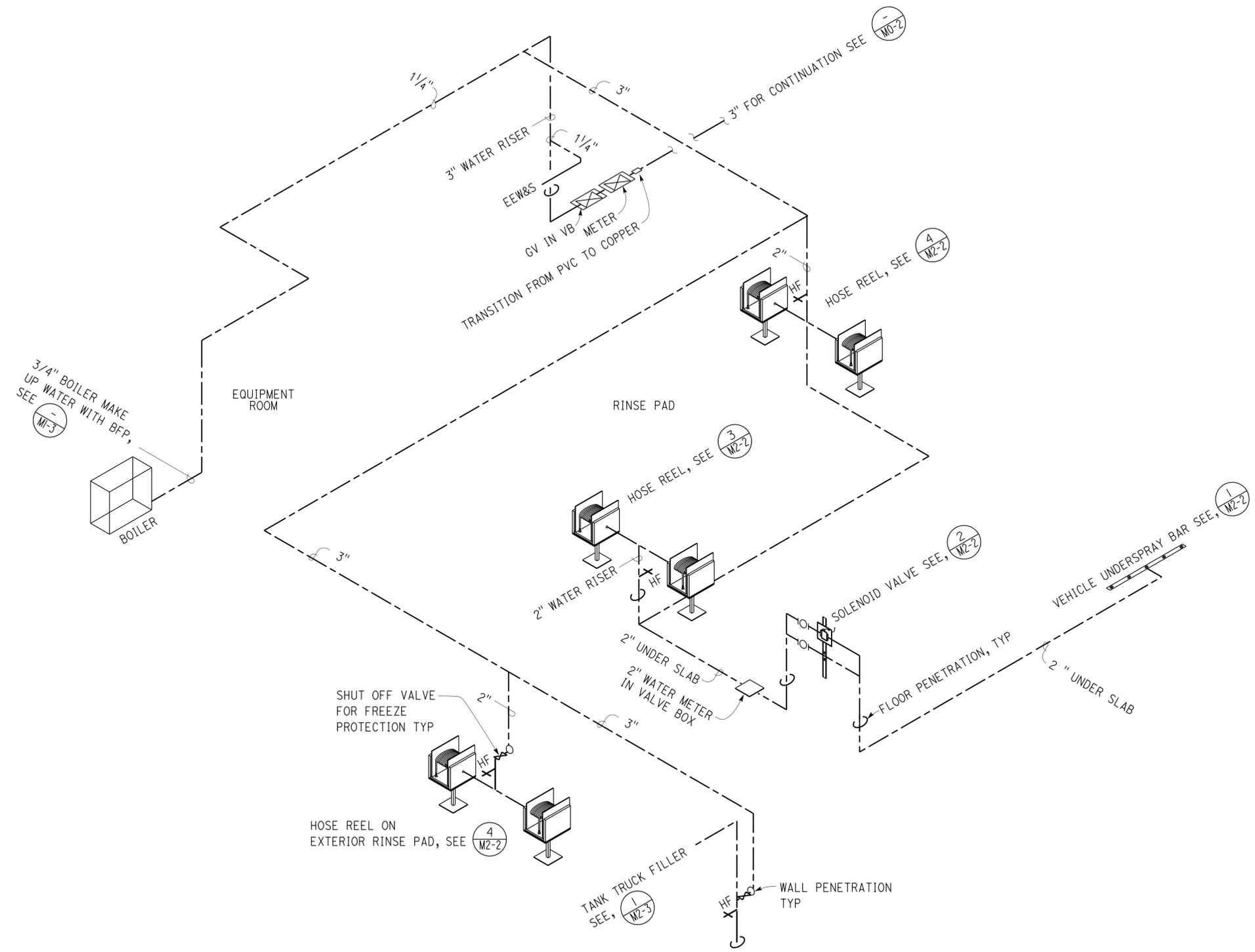
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		62	97

REGISTERED MECHANICAL ENGINEER DATE 11-08-13

8-25-14
 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
 Mark Hedglin
 No. M32912
 Exp. 9-30-14
 MECH
 STATE OF CALIFORNIA

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WATER ISOMETRIC
 NO SCALE

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN BY Mark Hedglin CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION WATER ISOMETRIC	SHEET M1-5
DETAILS BY Mark Hedglin CHECKED Eric Schmitz		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		OF
QUANTITIES BY Mark Hedglin CHECKED Eric Schmitz		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES REVISION DATES (PRELIMINARY STAGE ONLY) 05/17/13 06/20/13 07/11/13 08/21/13 11/8/13	SHEET OF

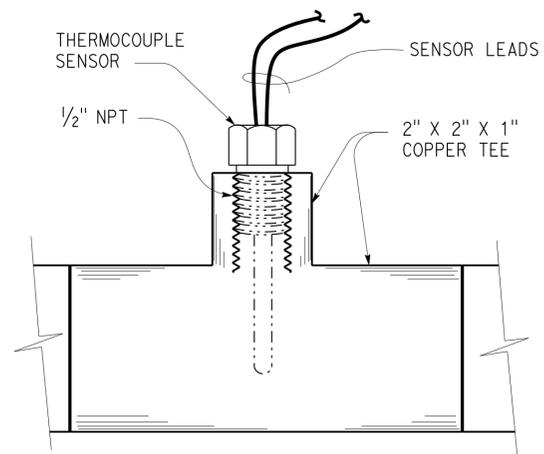
TAEWW Imperial - CCSC Rev. 01/13

C:\expedite\0713000206_1ebec_washrack\M1_5.dgn

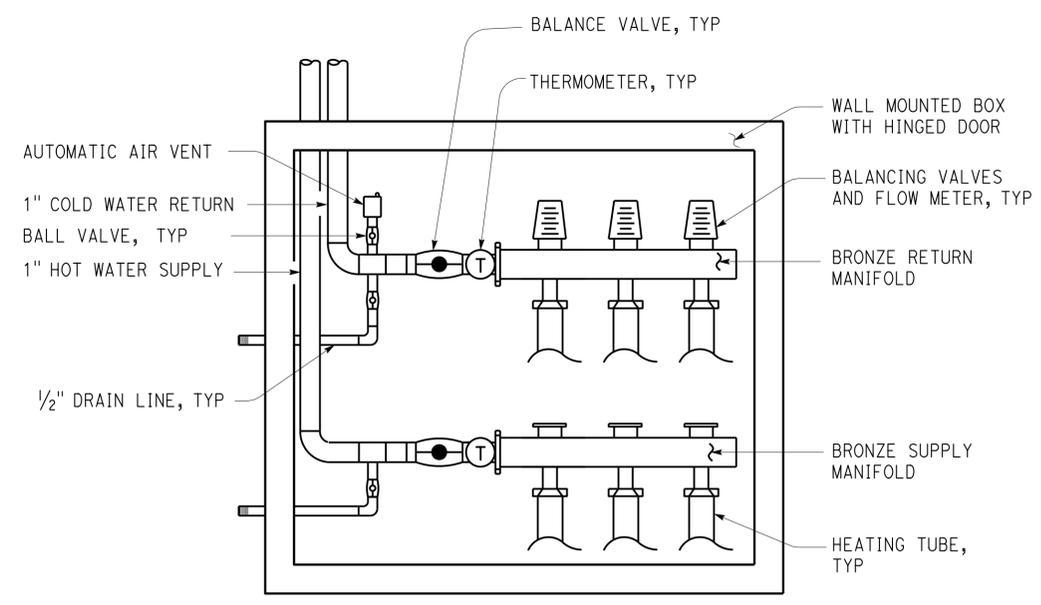
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REGISTERED MECHANICAL ENGINEER <u>Mark Hedglin</u> No. M32912 Exp. 9-30-14 MECH STATE OF CALIFORNIA			11-08-13	DATE	
8-25-14			PLANS APPROVAL DATE		
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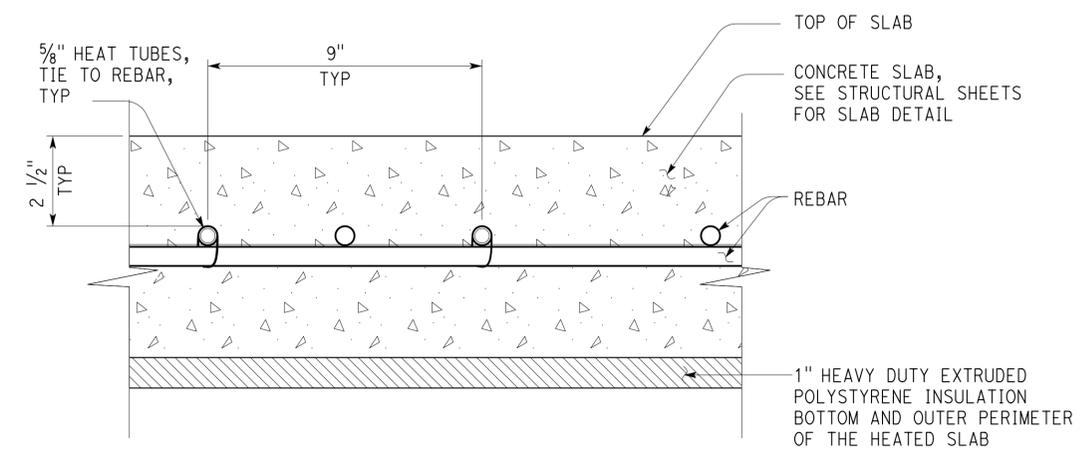


1 THERMOCOUPLE IN PIPE
NO SCALE

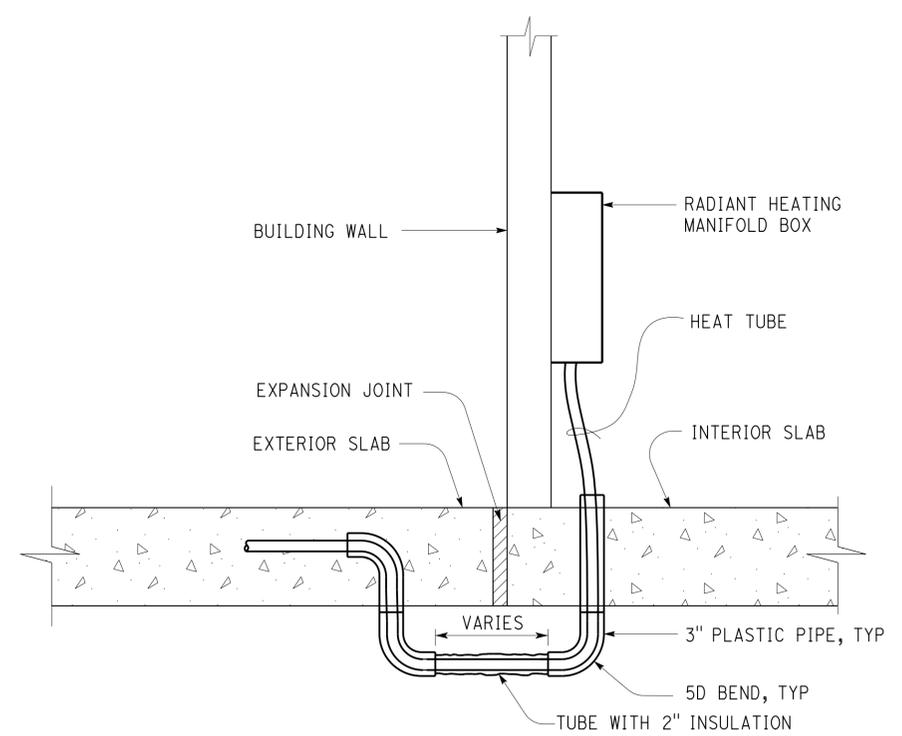


NOTE:
 1. 3-BRANCH MANIFOLD SHOWN, 1 AND 2 BRANCHES MANIFOLD SIMILAR.

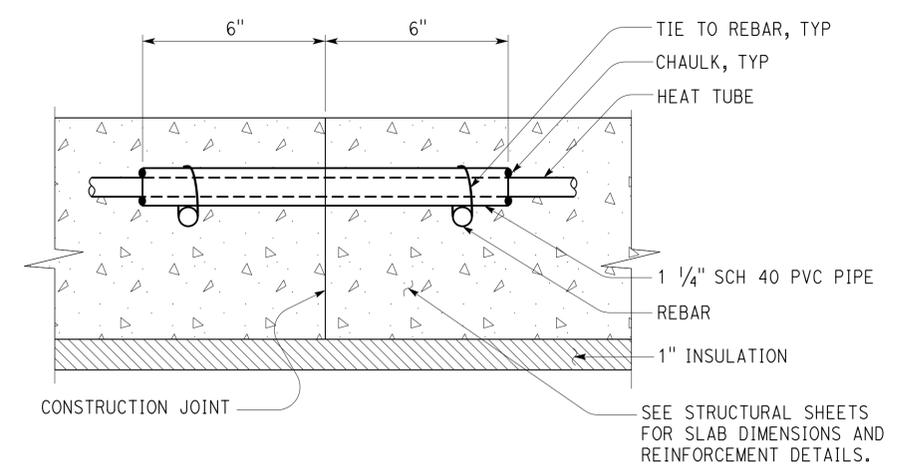
3 RADIANT HEATING MANIFOLD
NO SCALE



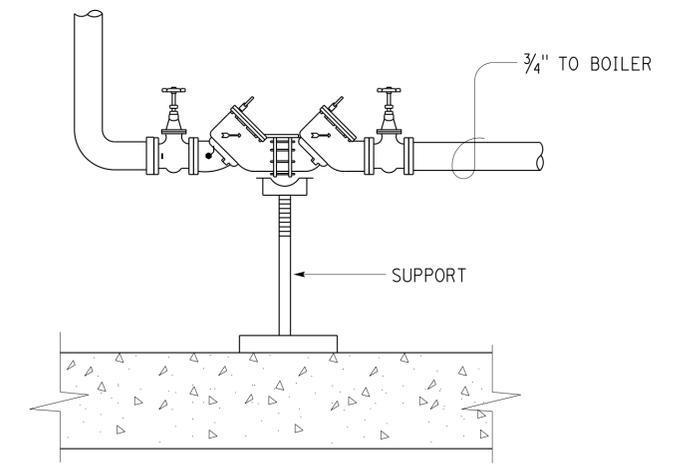
2 HEATING TUBES IN SLAB
NO SCALE



4 HEATING TUBE AT EXPANSION JOINT
NO SCALE



5 HEATING TUBE AT CONSTRUCTION JOINT
NO SCALE



6 BACKFLOW PREVENTER
NO SCALE

- NOTES:
- SEE STRUCTURAL SHEETS FOR SLAB DETAILS.
 - PROVIDE ONE PENETRATION FOR EACH SUPPLY AND RETURN.
 - 1" HEAVY DUTY EXTRUDED POLYSTYRENE INSULATION MUST BE INSTALLED AT BOTTOM AND OUTER PERIMETER OF THE HEATED SLAB.

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	LEBEC MAINTENANCE STATION MECHANICAL DETAILS NO. I	SHEET	
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz			50M5725		POST MILE	M2-1
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz						
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
TAEWW Imperial - CCSC Rev. 01/13						05/17/13 06/20/13 07/22/13 08/23 11/8/13		

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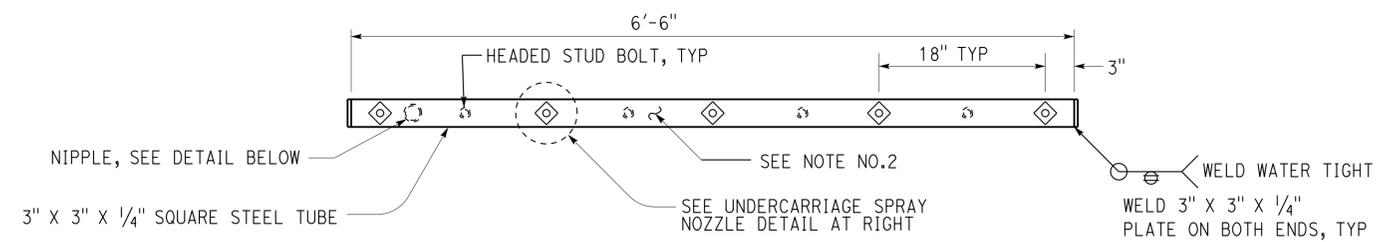
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		64	97

11-08-13
 REGISTERED MECHANICAL ENGINEER DATE

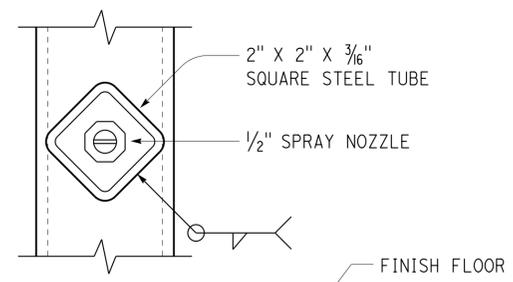
8-25-14
 PLANS APPROVAL DATE

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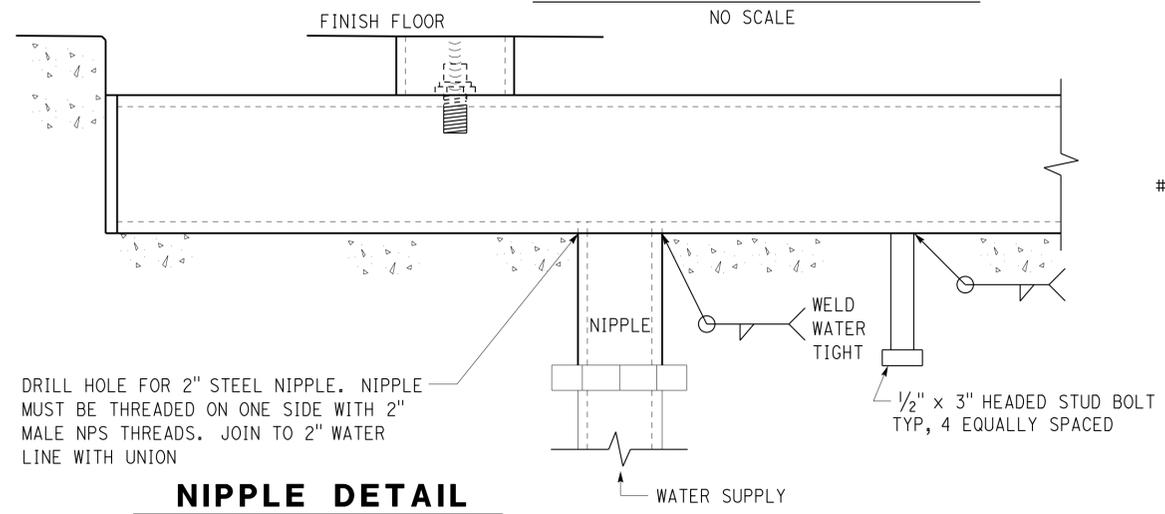
REGISTERED PROFESSIONAL ENGINEER
 Mark Hedglin
 No. M32912
 Exp. 9-30-14
 MECH
 STATE OF CALIFORNIA



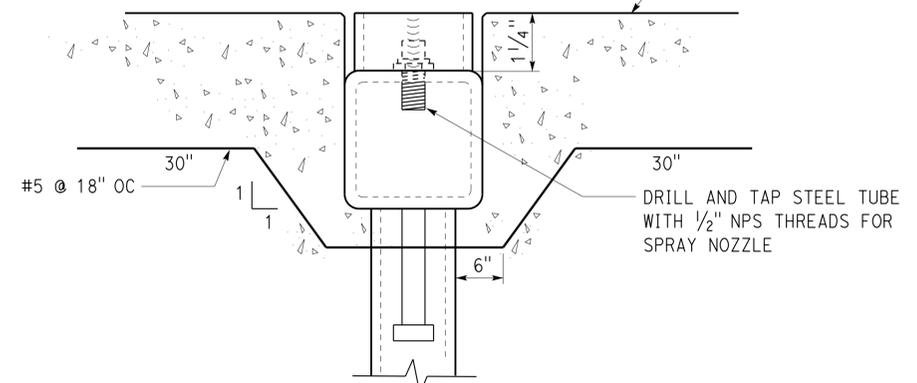
VEHICLE UNDERSPRAY BAR
 NO SCALE



UNDERCARRIAGE SPRAY NOZZLE DETAIL
 NO SCALE

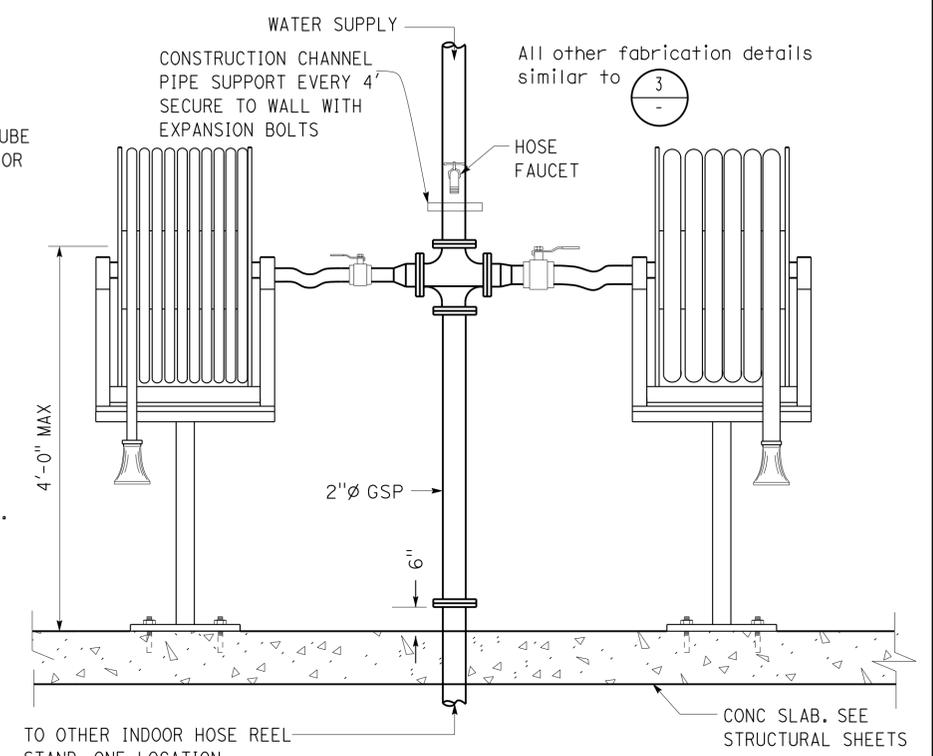


NIPPLE DETAIL
 NO SCALE

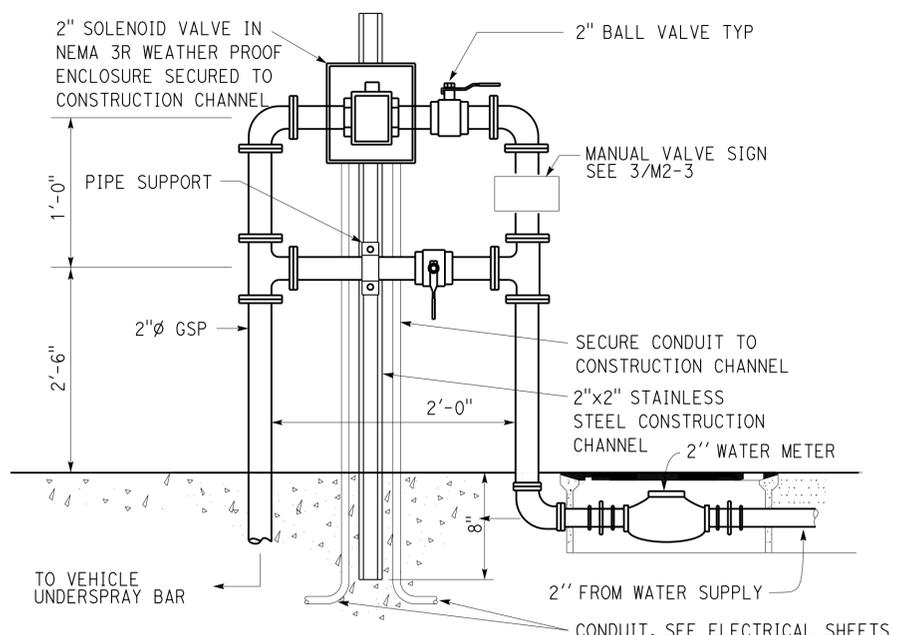


1 VEHICLE UNDERSPRAY BAR DETAIL
 NO SCALE

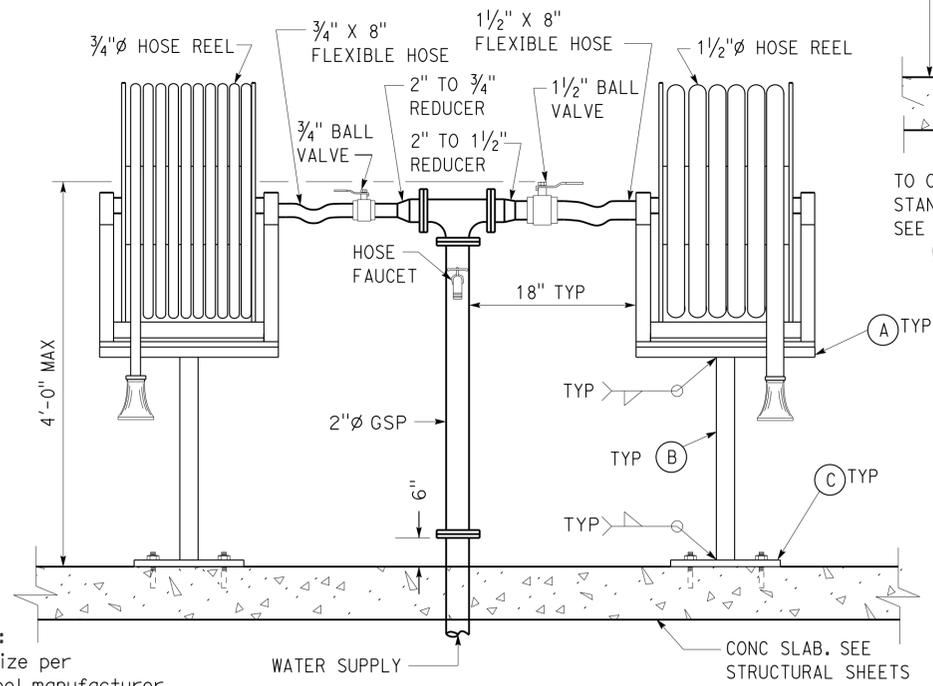
- General Notes:
- All steel parts must be galvanized.
 - No concrete to be placed on top of square steel tube.



4 HOSE REEL DETAIL
 NO SCALE



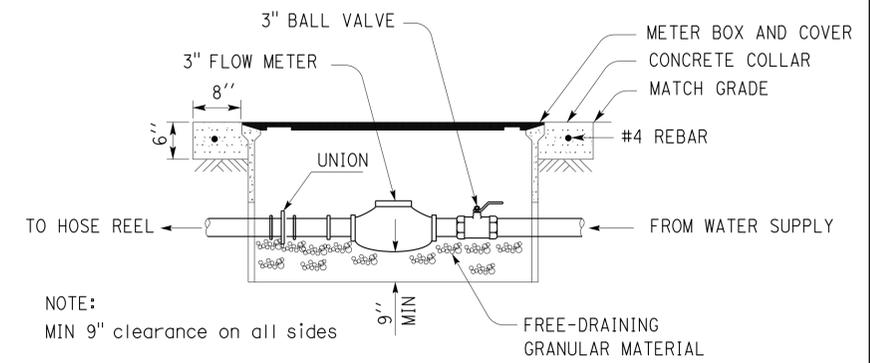
2 SOLENOID VALVE DETAIL
 NO SCALE



3 HOSE REEL DETAIL
 NO SCALE

- FABRICATION NOTES TYP:
- 1/4" Steel plate, size per template from reel manufacturer.
 - 3" Square steel tube.
 - 9"x9"x1/4" steel plate. Secure with 4-3/8" x 3" bolts with washers, paint color to match equipment BLDG.

APPROVED FOR MECHANICAL WORK ONLY.



5 WATER METER
 NO SCALE

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

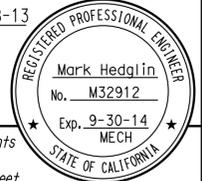
DIVISION OF ENGINEERING SERVICES
 ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN

BRIDGE No. 50M5725
 POST MILE

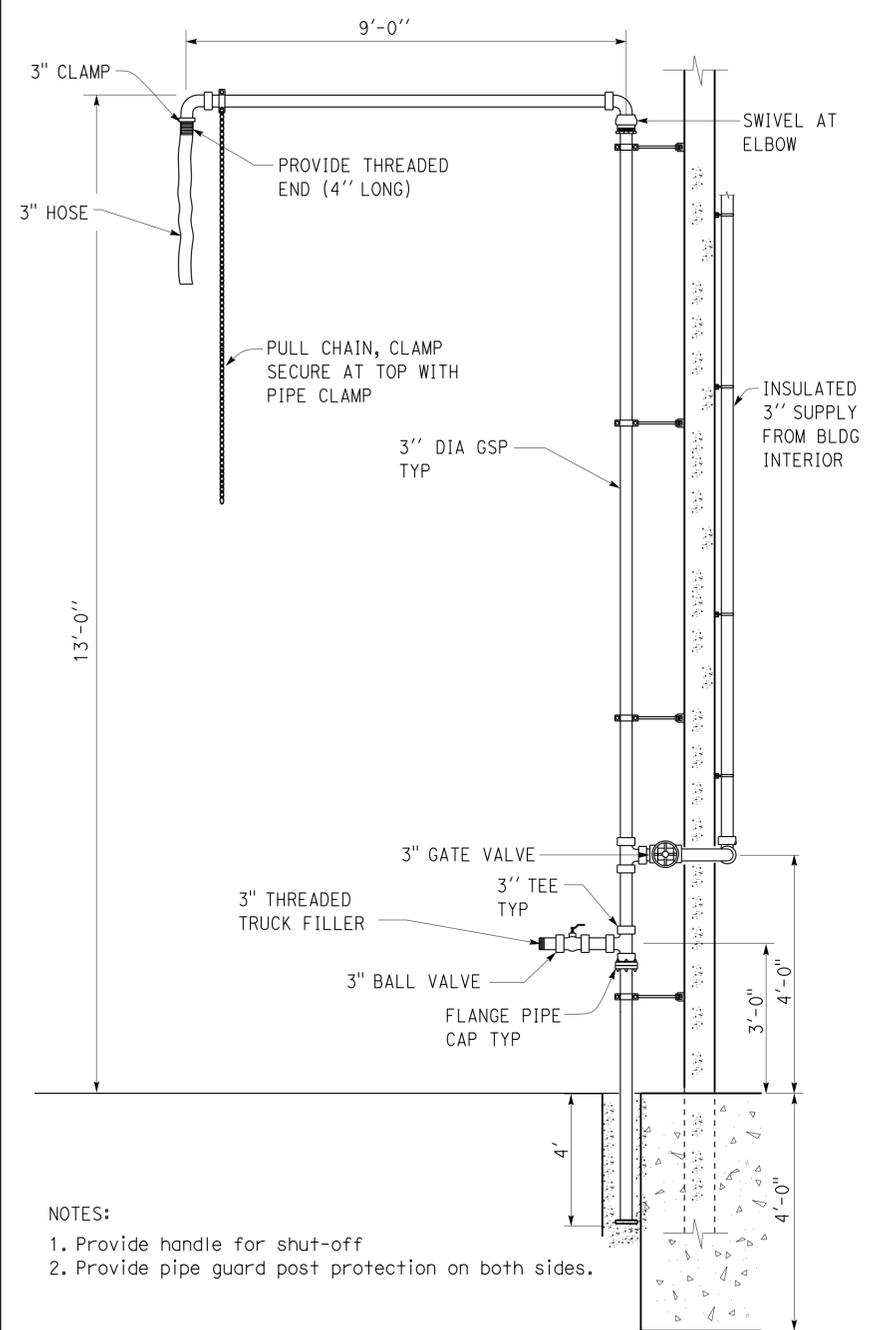
LEBEC MAINTENANCE STATION
 MECHANICAL DETAILS NO. 2

SHEET M2-2

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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8-25-14			PLANS APPROVAL DATE		
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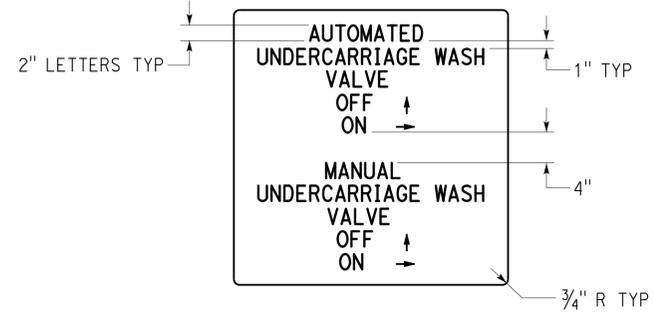


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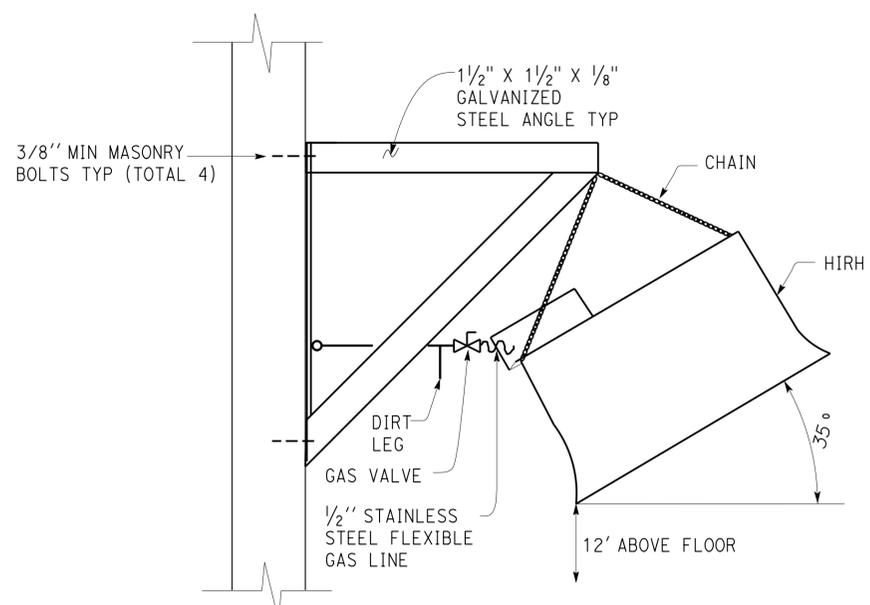
NOTES:
 1. Provide handle for shut-off
 2. Provide pipe guard post protection on both sides.

1 TANK TRUCK FILLER
NO SCALE

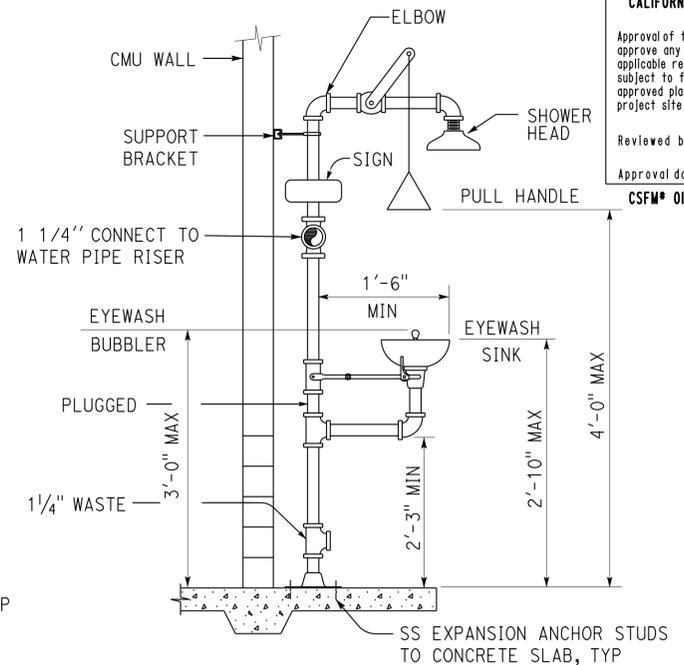


3 UNDERCARRIAGE WASH VALVE SIGN
NO SCALE

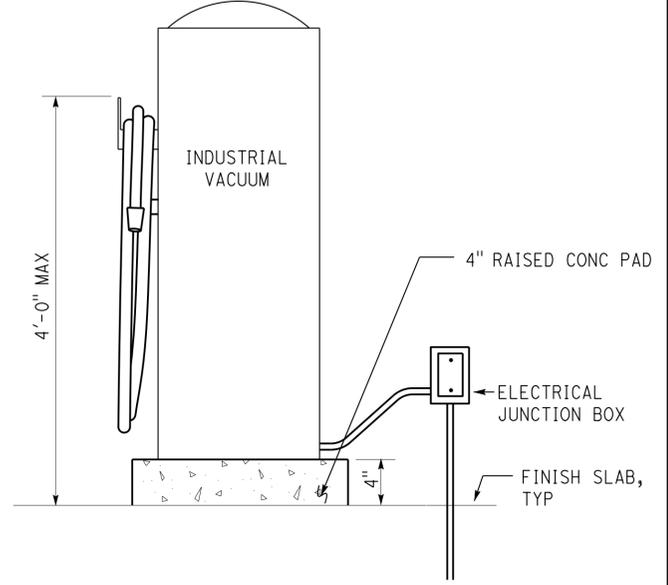
NOTES:
 1. Red letters on white background
 2. Sign to be 3'-0" x 3'-0"



6 HIGH INTENSITY RADIANT HEATER MOUNTING
NO SCALE

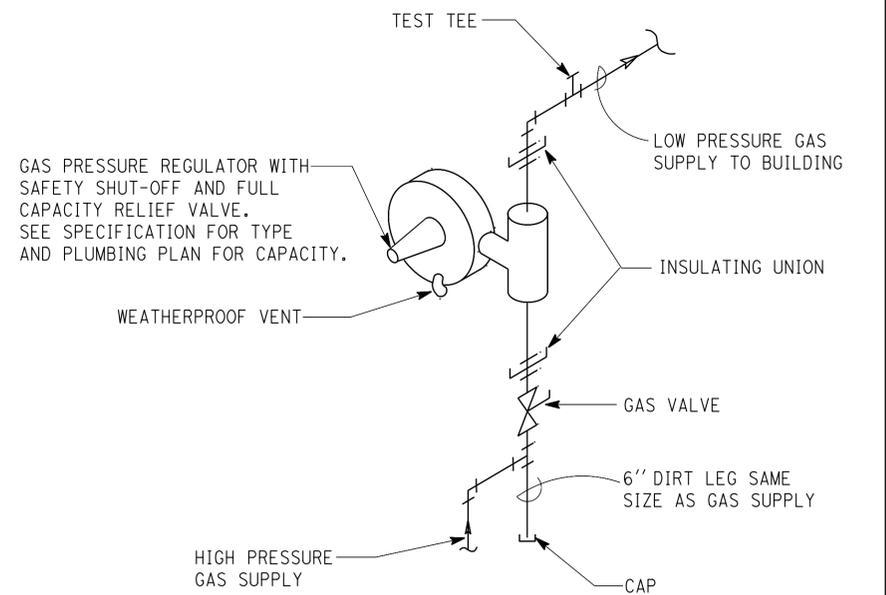


4 EMERGENCY EYEWASH AND SHOWER
NO SCALE



5 INDUSTRIAL VACUUM
NO SCALE

NOTE: SECURE TO CONCRETE ISLAND PER MANUFACTURER'S INSTALLATION INSTRUCTIONS WITH STAINLESS STEEL FASTENERS.



7 GAS PRESSURE REGULATOR
NO SCALE

APPROVED FOR MECHANICAL WORK ONLY.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	LEBEC MAINTENANCE STATION MECHANICAL DETAILS NO. 3	SHEET
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz			50M5725		OF
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz			POST MILE		M2-3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS			0 1 2 3	UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

OFFICE OF STATE FIRE MARSHAL NOTES:

- Prior to installation, all plans and specification shall be approved by the Office of the State Fire Marshal.
- Inspection are required: 1-prior to pouring thrust blocks, 2-for hydrostatic testing, and 3-for flush schedule all all inspections 72 hours in advance. Inspection canceled after 1 p.m. on the day before the scheduled date will be subject to a re-inspection fee. Call the local Deputy State Fire Marshal for inspection scheduling.
- Installation, inspection, and testing shall conform to 2010 NFPA 13 and 2010 NFPA 24.
- Private fire hydrants shall be approved and wet barrel style with a minimum of one 2 1/2" and one 4" outlet. The 4" outlet shall face the fire department access road. All outlets shall be provided with National Standard Threads (NST).
- Fire hydrants supply piping shall be a minimum of 6 inches in diameter. The lowest operating nut shall be a minimum of 18" above grade and the hydrant flange shall be a minimum of 2" above grade.
- Fire hydrants shall be a minimum of 40 feet from all structures. A keyed gate valve shall be provided for each hydrant in a accessible location. Valves shall not be located in parking stalls.
- All pipes shall be approved for use in fire service system (Class 150 minimum). Class 200 pipe shall be used where the pressure may exceed 150 PSI.
- All ferrous pipe and fittings shall be protected with a loose 8-mil polyethylene tube. The ends of the tube and any splices made for "T"s or other piping components shall be sealed with 2" tape, approved for underground use. All bolted joints shall be cleaned and thoroughly coated with asphalt or other corrosion retarding material after assembly and prior to poly-tube installation.
- A 12" bed of clean fill sand shall be provided below and above the pipe (total 24).
- All bolts used for underground connections shall be stainless steel.
- A minimum of 30" of cover, from finish grade to the top of the pipe, shall be provided. When surface loads are expected, a minimum of 36" cover shall be provided.
- Thrust blocks, or other approved method of thrust restraint, shall be provided wherever pipe changes direction.
- The trench shall be excavated for thrush blocks and inspected prior to pour. All corrosion protection shall be in place.
- A hydrostatic test (200 psi for two hours or 50 psi over maximum static pressure, whichever is greater) shall be witnessed by a Deputy Fire Marshal. The trench shall be back-filled between the joints to prevent movement on the pipe.
- The system shall be thoroughly flushed before connection is made to overhead piping. Flow shall be through a minimum of a 4" hose or pipe unless otherwise approved by the Deputy State Fire Marshal. A Deputy Fire Marshal shall witnessed the flush.
- Private hydrants, sprinkler control valves, detector check assemblies, post indicating valves and fire department connections shall be painted OSHA red.
- All control valves shall be locked in the open position. Valves shall be monitored if they serve 100 or more sprinkler heads.

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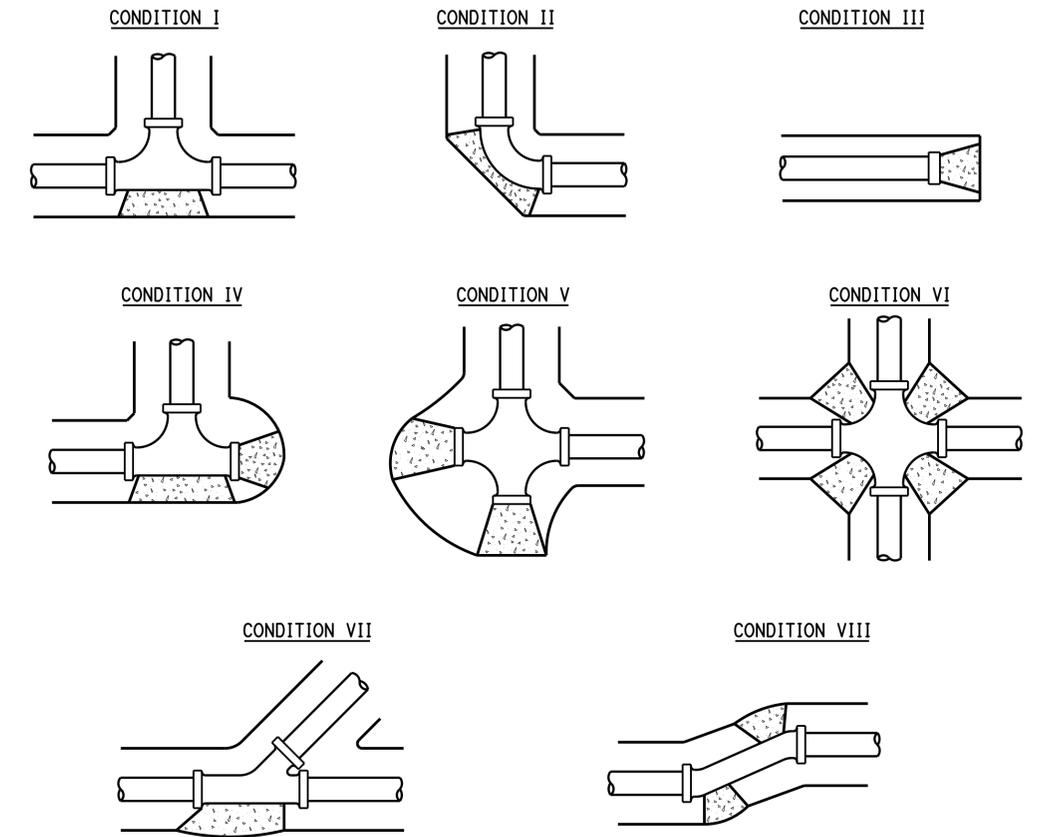
REGISTERED MECHANICAL ENGINEER  11-08-13 DATE

8-25-14 PLANS APPROVAL DATE

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THRUST BLOCKS RESTRAINTS



Pipe Size	CONDITION							
	I	II	III	IV	V	VI	VII	VIII
<6"	2.0	2.9	2.0	2@ 2.0	2@ 2.0	4@ 1.6	2.0	2@ 1.6
6"	4.3	4.0	4.3	2@ 4.3	2@ 4.3	4@ 3.3	4.3	2@ 3.3
8"	7.4	10.6	7.4	2@ 7.4	2@ 7.4	4@ 5.7	7.4	2@ 5.7
10"	12.1	17.1	12.1	2@ 12.1	2@ 12.1	4@ 9.3	12.1	2@ 9.3
12"	17.1	24.1	17.1	2@ 17.1	2@ 17.1	4@ 13.2	17.2	2@ 13.2

- NOTES:
- Thrust blocks areas based on 225 psi and 200 psf soil pressure with 2 1/2" feet of cover minimum.
 - Thrust blocks bearing faces must be placed against undisturbed soil, approved compacted backfill, or Class 100-E-100 slurry.
 - Thrust blocks must be Class 500-C-3250 concrete, unless specified otherwise.
 - To facilitate future removal of thrust blocks and line extension use cardboard separators between blocks, if needed.

DESIGN BY Mark Hedglin	CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION GENERAL NOTES	SHEET M2-4
DETAILS BY Mark Hedglin	CHECKED Eric Schmitz			POST MILE		
QUANTITIES BY Mark Hedglin	CHECKED Eric Schmitz					

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

UNIT: 3615 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 05/11/13, 06/20/13, 07/22/13, 08/27/13, 11/8/13

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GRAPHIC SYMBOLS FOR ELECTRICAL WIRING AND LAYOUT DIAGRAMS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	TRAFFIC SIGNAL LIGHT	S	SINGLE-POLE SWITCH
	POLE-TOP ELECTROLIER	S2	DOUBLE-POLE SWITCH
	POLE-ARM ELECTROLIER	S3	THREE-WAY SWITCH
		S4	FOUR-WAY SWITCH
	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	SCHLF	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP
	RECESSED FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE	SD	DIMMER SWITCH
	EXIT LIGHT	SDTS	DIGITAL TIMER SWITCH
	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE	SF	FAN SWITCH
	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE	SH	HEATER SWITCH
	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED FIXTURES	SHP	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
	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.	SK	KEY OPERATED SWITCH
	EXAMPLE : (4) F2-2x32	SL	LIGHT SWITCH
	├── 32 WATT LAMPS	SM	MOTION SENSOR SWITCH
	├── 2 LAMPS	SMC	MOMENTARY CONTACT SWITCH
	├── DESIGN TYPE	S1	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
	├── FLUORESCENT	S2	OCCUPANCY SENSOR WALL SWITCH, BILEVEL
	└── NUMBER OF FIXTURES	SRC	REMOTE CONTROL SWITCH
	BLANK OUTLET	ST	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
	JUNCTION BOX	SVS	VARIABLE SPEED MOTOR CONTROL SWITCH
	DROP CORD	SWP	WEATHERPROOF SWITCH
	SINGLE RECEPTACLE OUTLET	TS	TIMER SWITCH
	DUPLEX RECEPTACLE OUTLET	▣	PUSHBUTTON
	DUPLEX RECEPTACLE OUTLET (WITH GFCI)	▣ L	PUSHBUTTON STATION, NC, WITH LOCKING DEVICE FOR OPEN
	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)	▣	PUSHBUTTON STATION MOTOR CONTROL
	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET	▣	BUZZER
	DUPLEX, SPECIAL PURPOSE RECEPTACLE OUTLET	▣	BELL
	RANGE OUTLET	▣	COMBINATION BELL-BUZZER
	CLOCK HANGER RECEPTACLE	▣ PS	PRESSURE SWITCH
	FAN HANGER RECEPTACLE	▣ R	CONTROL RELAY
	FLOOR SINGLE RECEPTACLE OUTLET	▣ FS	FLOW SWITCH
	FLOOR DUPLEX RECEPTACLE OUTLET	▣ PEU	PHOTOELECTRIC UNIT
	FLOOR SPECIAL PURPOSE OUTLET	▣ C	HAND DRYER NOZZLE
	FLOOR RADIO OUTLET	▣ H	HAND DRYER
	FLOOR TELEPHONE OUTLET	▣	FLUSH-MOUNTED PANELBOARD AND CABINET
	MULTI-FLOOR OUTLET, 2 OR MORE GANG	▣	SURFACE-MOUNTED PANELBOARD AND CABINET
	MULTI-OUTLET ASSEMBLY	▣	LIGHTING PANEL
	SWITCH AND SINGLE RECEPTACLE	▣	POWER PANEL
	SWITCH AND DUPLEX RECEPTACLE	▣	COMBINATION LIGHTING AND POWER
	RADIO OUTLET	▣ MC	MOTOR CONTROLLER
	COMMUNICATION OUTLET	▣	DISCONNECT SWITCH
	SOUND SYSTEM LOUD SPEAKER OUTLET	▣	CONDUIT CONCEALED IN CEILING OR WALL
	RADIO OUTLET	▣	CONDUIT CONCEALED IN FLOOR
	THERMOSTAT	▣	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
—SM—	SURFACE METAL RACEWAY
(2) 1/2" C, PVC, 2#12	CONDUCTOR INFO (PER CONDUIT) CONDUIT TYPE CONDUIT SIZE NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT)
—MC—	CONDUIT, RIGID STEEL, UNDERGROUND
—PVC—	CONDUIT, POLYVINYL CHLORIDE, UNDERGROUND
~~~~~	CONDUIT, FLEXIBLE
—○—	CONDUIT, TURN UP
—●—	CONDUIT, TURN DOWN
—▲—	CONDUIT SEAL, EXPLOSION-PROOF
—X—	CONDUIT, EXPANSION JOINT
—▶—	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
○	POLE
⊙	OCCUPANCY SENSOR
⊙ P	OCCUPANCY SENSOR POWER PACK
⊙ P	MANUAL PULL STATION
⊙ AV	AUDIO/VISUAL ALARM DEVICE
⊙ H	HEAT DETECTOR
⊙ S	SMOKE DETECTOR
⊙ G	GLASS BREAK DISCRIMINATOR
⊙ C	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
⊙ C	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
⊙ K	KEYPAD FOR ALARM SYSTEM
⊙ W	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
□	PULL BOX-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
□ (T)	PULL BOX (TRAFFIC-RATED)-LETTER INDICATES TYPE OF PULL BOX (E-ELECTRICAL, T-TELEPHONE, R-RADIO)
⊙ CHLF	COMBINATION HEAT, LIGHT, AND FAN UNIT
▲	SECTION/ELEVATION LETTER
EE-2	SHEET NUMBER
1	DETAIL NUMBER
EE-2	SHEET NUMBER

**REMODEL WORK**

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

**GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS**

SYMBOL	DESCRIPTION
— —	CIRCUIT BREAKER, SINGLE-POLE
— — —	CIRCUIT BREAKER, DOUBLE-POLE
— — — —	CIRCUIT BREAKER, THREE-POLE
GFCI	CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
— —	CIRCUIT BREAKER, SINGLE-POLE, SWITCHED NEUTRAL
— — —	CONTACT, NORMALLY OPEN
— — —	CONTACT, NORMALLY CLOSED
— — —	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
— — —	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
— — —	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
— — —	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
— — —	CONTACT, SINGLE-POLE, DOUBLE-THROW
— — —	OPERATING COIL
— — —	FLOAT SWITCH
— — —	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
— — —	TIMER SWITCH
— — —	THERMAL OVERLOAD
— — —	FUSE
— — —	RESISTOR
— — —	VARIABLE RESISTOR
— — —	TRANSFORMER WINDING
— — —	GROUNDING ELECTRODE
— — —	ENCLOSURE BOND
— — —	PILOT LIGHT (A=AMBER, G=GREEN, R=RED)
— — —	INDICATING LIGHT (A=AMBER, G=GREEN, R=RED)
— — —	GENERATOR
— — —	MOTOR
— — —	FAN MOTOR

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		67	97

Jaswinder S Sandhu 11-05-13  
REGISTERED ELECTRICAL ENGINEER DATE

8-25-14  
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  
J. S. Sandhu  
No. E 11803  
Exp. 9-30-14  
ELEC  
STATE OF CALIFORNIA

CALIFORNIA STATE FIRE MARSHAL APPROVED

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

Reviewed by: AARON GREER  
Approval date: 10-16-13  
CSFM# 01-15-II-0007

DESIGN BY Steven Roy DETAILS BY Kathi Andreasen QUANTITIES BY Steven Roy	CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION	SHEET EEO-0
	CHECKED Steven Roy			POST MILE		
	CHECKED Jesse Sandhu					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET 1 OF 22		
TAEMWW Imperial - CCSC Rev. 01/13			04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-21-13 11-05-13			

26-AUG-2014 10:33

**ABBREVIATIONS**

<b>A</b>		<b>F</b>	
A/C	AIR CONDITIONING UNIT	F	FUSE
ACS	AIR COMPRESSOR STARTER	FA	AC FUSE
AFCI	ARC FAULT CIRCUIT INTERRUPTER	FD	DC FUSE
AI	ANALOG INPUT	FL	FAILURE LIGHT
AL	ALARM LIGHT	FLA	FLASHER
AO	ANALOG OUTPUT	Flex	FLEXIBLE CONDUIT
AR	ALARM RESET	FLS	FLOW SWITCH
ATS	AUTOMATIC TRANSFER SWITCH	FR	FAILURE RESET or FLAME RESISTANT
AUTO	AUTOMATIC	FS	FLOAT SWITCH
AVC	AIR VOLUME CONTROLLER		
<b>B</b>		<b>G</b>	
BC	BARE COPPER	G	GROUND
BD	BUILDING DISCONNECT		
BP	BOOSTER PUMP		
Brk	BREAKER		
<b>C</b>		<b>I</b>	
Cat	CATEGORY	IL	INDICATING LIGHT
CC	CENTER CHANNEL LIGHT	IR	INDUCTION RELAY
CD	CONTROL DISCONNECT	ISR	INTRINSICALLY SAFE RELAY
CM	CENTER MARGIN LIGHT		
CPU	CENTRAL PROCESSING UNIT		
CR	CONTROL RELAY		
CS	CURRENT SWITCH		
CT	CURRENT TRANSFORMER		
<b>D</b>		<b>J</b>	
DI	DIGITAL INPUT	JB	JUNCTION BOX
DO	DIGITAL OUTPUT		
DP	DUPLEX PLUG RECEPTACLE		
DS	DOOR SWITCH		
<b>E</b>		<b>L</b>	
(E)	EXISTING	L	LIGHT
EF	EXHAUST FAN	LC	LIGHTING CONTACTOR
ENET	ETHERNET NETWORK	LCD	LIQUID CRYSTAL DISPLAY
		LCP	LIGHTING CONTROL PANEL
		LD	LIGHT DISCONNECT
		LDCI	LEAK DETECTOR CIRCUIT INTERRUPTER
		LL	LIQUID LEVEL RELAY
		LLC	LIQUID LEVEL CONTROLLER
		LP	LIGHT PANEL
		LS	LIGHT SWITCH
		LT	LIGHT TRANSFORMER
		LTO	LIGHT TRANSFORMER OVERLOAD
		LTPD	LIGHT TRANSFORMER PRIMARY DISCONNECT
		LTSD	LIGHT TRANSFORMER SECONDARY DISCONNECT

<b>M</b>		<b>N</b>	
MB	MAIN BREAKER	(N)	NEW
MC	METALLIC CONDUIT	Nav	NAVIGATIONAL LIGHTS
MCP	MOTOR CIRCUIT PROTECTOR	NSW	NEUTRAL SWITCHING BREAKER
MCC	MOTOR CONTROL CENTER		
MD	MOTOR DISCONNECT		
MH	MOUNTING HEIGHT		
MR	MASTER RELAY/STARTER		
MS	MOTOR SAVER		
MSB	MAIN SWITCHBOARD		
MTS	MANUAL TRANSFER SWITCH		
<b>O</b>		<b>P</b>	
O/C	ON CENTER	PB	PUSHBUTTON
OIT	OPERATOR INTERFACE TERMINAL	PCP	PUMP CONTROL PANEL
OL	OVERLOAD	PD	PUMP DISCONNECT
		PFR	PHASE FAILURE RELAY
		PFRD	PHASE FAILURE RELAY DISCONNECT
		PL	PILOT LIGHT
		PLC	PROGRAMMABLE LOGIC CONTROLLER
		PS	POWER SUPPLY or PRESSURE SWITCH
		PTS	POWER TRANSFER SWITCH
		PV	PHOTOVOLTAIC
<b>R</b>		<b>S</b>	
RD	RECEPTACLE DISCONNECT	S	STARTER COIL
RECEPT	RECEPTACLE	Sch	SCHEDULE
Req'd	REQUIRED	SD	SERVICE DISCONNECT
RES	RESISTOR	SFR	SEAL FAILURE RELAY
RIO	REMOTE INPUT/OUTPUT	SL	SUMP LIGHT
RLM	REDUNDANCY LINK MODULE	SPR	STANDBY POWER RECEPTACLE
Rm	ROOM	Sq	SQUARE
RTB	RADIO TERMINAL BOARD	SS	SELECTOR SWITCH
		ST	STARTER
		SST	STAINLESS STEEL
		SV	SOLENOID VALVE
		SWIM	SLOW WEIGH-IN-MOTION

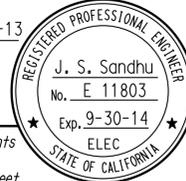
<b>T</b>		<b>U</b>	
TB	TERMINAL BLOCK	UPS	UNINTERRUPTIBLE POWER SUPPLY
TBD	TO BE DETERMINED		
TC	TELEPHONE CABLE		
TDR	TIME DELAY RELAY		
TGLS	TOGGLE SWITCH		
TM	TIME METER		
TPC	TEMPERATURE PROCESS CONTROLLER		
TS	TIMER SWITCH or TEMPERATURE SWITCH		
TSW	TEST SWITCH		
TTB	TELEPHONE TERMINAL BOARD		
<b>V</b>		<b>W</b>	
VFD	VARIABLE FREQUENCY DRIVE	WLS	WATER LEVEL SWITCH
		WP	WEATHERPROOF
		WSMS	WEIGH STATION MESSAGE SIGN

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		68	97

*Jaswinder S Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE

8-25-14  
 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: *Aaron Greer*  
 AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007

**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 NOTES**

[RLD] Relocated equipment.

**STANDARD PLANS**

Dated June, 2010

- RSP ES-1A
- RSP ES-1B
- RSP ES-1C
- RSP ES-4A
- RSP ES-4C
- RSP ES-4D
- RSP ES-4E
- RSP ES-5A
- RSP ES-5B
- RSP ES-5D
- ES-13A
- ES-13B

**SYMBOLS**

- ∠ ANGLE
- ° DEGREES
- Δ DELTA
- ∅ PHASE
- ± PLUS OR MINUS

DESIGN	BY	Steven Roy	CHECKED	Jesse Sandhu	BRIDGE No. 50M5725 POST MILE	SHEET OF <b>EE0-1</b> 2 22	
	DETAILS	BY	Kathi Andreasen	CHECKED			Steven Roy
	QUANTITIES	BY	Steven Roy	CHECKED			Jesse Sandhu

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION  
 DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN  
 LEBEC MAINTENANCE STATION NOTES AND ABBREVIATIONS

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES: 04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13  
 REVISION DATES (PRELIMINARY STAGE ONLY)

TAEWW Imperial - CCSC Rev. 01/13  
 P:\dist_07\0713000206_lebec_washrack\exped\fe\ee0_01.dgn

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

Project Name: <b>LEBEC MAINTENANCE STATION</b>	Date: <b>09/11/13</b>
Project Address: <b>32682 GOLDEN STATE HIGHWAY LEBEC, CA 93243</b>	Total Hardscape Illuminated Area: <b>600 SQFT</b>

**General Information**  
 Phase of Construction:  New Construction  Addition  Alteration

**Documentation Author's Declaration Statement**  
 • I Certify that this Certificate of Compliance documentation is accurate and complete.

Name: **STEVEN ROY** Signature: *Steven Roy*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Date: **09/11/13**

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

City/State/Zip: **SACRAMENTO, CA 95816** Phone: **(916) 227-8529**

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

Name: **JASWINDER GILL** Signature: *Jaswinder Gill*

Company: **CALIFORNIA DEPARTMENT OF TRANSPORTATION** Phone: **(916) 227-9492**

Address: **1801 30TH STREET, MS9-3/11H** License #: **E18551**

City/State/Zip: **SACRAMENTO, CA 95816** Date: **12/13/14**

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

**Outdoor Lighting Mandatory Measures**  
 Indicate location on building plans of Mandatory Measures Note Block: **EE0-4**

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

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

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

**2008 Nonresidential Compliance Forms July 2010**

GENERAL NOTE:  
 FORM OLTG-1C, PARTS 3 OF 4 AND 4 OF 4 ARE SHOWN ON SHEET EE0-3 OTHER CHECKED FORMS ARE AVAILABLE UPON REQUEST.

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

COMPLIANCE FIXTURE/LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST  
 Project Name: **LEBEC MAINTENANCE STATION** Date: **09/11/13**

INSTALLATION CERTIFICATE, OLTG-1-INST (Retain a copy and verify form is completed and signed.) Field Inspection   
 CERTIFICATE OF ACCEPTANCE, OLTG-2A (Retain a copy and verify form is completed and signed.) Field Inspection

Luminaire Schedule					Installed Watts					
A	B	C	D	E	F		G	H	I	
Name Or Item Tag	Luminaire Description See footnote below (i.e., lamp pole-top shoe-box 400 watt metal halide)	Cutoff Designation	Watts per Luminaire 1	Special Features	How wattage was determined		Number of Luminaires	Installed Watts (D x G)	Field Inspector 2	
					Default from NA-8	According to S 130 (d or e)			Pass	Fail
L2	Wall Mount, 74-Watt LED, LED Engine Driver and PEC	FC	74	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	8	592	<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>
Enter total into OLTG-1C; Page 4 of 4; Row H; Total Installed Watts:								<b>592</b>		

1. Type of luminaire (i.e.: post top, wall pack, surface, shoe box); for non-incandescent luminaires, indicate nominal lamp wattage and lamp type (i.e.: fluorescent incandescent, HID); ballast type (i.e.: electronic or magnetic); number of lamps and number of ballast per luminaire. For incandescent luminaires the luminaire wattage listed in column D shall be the maximum relamping rated wattage on a permanent factory-installed label on the luminaire. NOT the wattage of the lamp (bulb) used, in accordance with Section 130 (d or e).  
 2. If Fail then describe on Page 2 of the Inspection Checklist Form and take appropriate action to correct. Verify building plans if necessary.

**EXEMPT LUMINAIRES** Field Inspection   
 Name or Symbol Description of exempt luminaires in accordance with S 147

**MANDATORY CONTROLS** Field Inspection

#	Description	Location	#	Description	Location
8	Photoelectric cell	EXTERIOR LIGHTS			

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

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

Field Inspector Notes or Discrepancies:

**2008 Nonresidential Compliance Forms July 2010**

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		69	97

Jaswinder Gill Sandhu 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE  
 8-25-14  
 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: *Aaron Greer*  
 Approval date: 10-16-13  
 CSFM# 01-15-11-0007



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

Project Name: <b>LEBEC MAINTENANCE STATION</b>		Date: <b>9/11/13</b>
Project Address: <b>32682 GOLDEN STATE HIGHWAY LEBEC, CA 93243</b>	Climate Zone: <b>16</b>	Building CFA: <b>2552 SQ FT</b>
Unconditioned Floor Area:		

<b>General Information</b>			
Building Type:	<input checked="" type="checkbox"/> Nonresidential	<input type="checkbox"/> High-Rise Residential	<input type="checkbox"/> Hotel/Motel
	<input type="checkbox"/> Schools	<input type="checkbox"/> Relocatable Public Schools	<input checked="" type="checkbox"/> Conditioned Spaces
			<input type="checkbox"/> Unconditioned Spaces
Phase of Construction:	<input checked="" type="checkbox"/> New Construction	<input type="checkbox"/> Addition	<input type="checkbox"/> Alteration
Method of Compliance:	<input type="checkbox"/> Complete Building	<input checked="" type="checkbox"/> Area Category	<input type="checkbox"/> Tailored

**Documentation Author's Declaration Statement**  
 • I Certify that this Certificate of Compliance documentation is accurate and complete.

Name:	<b>STEVEN ROY</b>	Signature:	<i>Steven Roy</i>
Company:	<b>CALIFORNIA DEPARTMENT OF TRANSPORTATION</b>	Date:	<b>4/30/13</b>
Address:	<b>1801 30TH STREET, MS9-3/11H</b>	If applicable: CEA # CEPE #	
City/State/Zip:	<b>SACRAMENTO, CA 95816</b>	Phone:	<b>(916) 227-8529</b>

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

Name:	<b>JASWINDER S. GILL</b>	Signature:	<i>Jaswinder S Gill</i>
Company:	<b>CALIFORNIA DEPARTMENT OF TRANSPORTATION</b>	Phone:	<b>(916) 227-8529</b>
Address:	<b>1801 30TH STREET, MS9-3/11H</b>	License #	<b>E 18551</b>
City/State/Zip:	<b>SACRAMENTO, CA 95816</b>	Date:	<b>4/30/13</b>

**Lighting Mandatory Measures**  
 Indicate location on building plans of Mandatory Measures Note Block:     This Sheet    

<b>LIGHTING COMPLIANCE FORMS &amp; WORKSHEETS (Check box if worksheet is included)</b>	
<input checked="" type="checkbox"/>	LTG-1C Pages 1 through 4 Certificate of Compliance. All pages required on plans for all submittals.
<input type="checkbox"/>	LTG-2C Lighting Controls Credit Worksheet
<input type="checkbox"/>	LTG-3C Indoor Lighting Power Allowance
<input type="checkbox"/>	LTG-4C Pages 1 through 4 Tailored Method Worksheet
<input type="checkbox"/>	LTG-5C Pages 1 and 2 Line Voltage Track Lighting Worksheet

**2008 Nonresidential Compliance Forms July 2010**

**GENERAL NOTE:**  
 Form LTG-1C, page 2 of 4 (Conditional spaces) is shown on sheet EE0-5. Form LTG-1C, pages 3 of 4, and 4 of 4 are shown on sheet EE0-6. Other checked forms are available upon request.

CALIFORNIA ENERGY COMMISSION MANDATORY MEASURES:

**BUILDING LIGHTING SHUT-OFF**

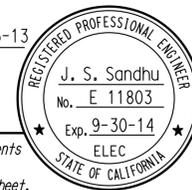
- Occupancy sensors for Rinse Station and Sump Pit.

**BUILDING EXTERIOR LIGHTING**

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

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		71	97

<i>Jaswinder S Sandhu</i> 11-05-13	
REGISTERED ELECTRICAL ENGINEER	DATE
8-25-14	
PLANS APPROVAL DATE	
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 Reviewed by: *Aaron Greer*  
 Approval date: 10-16-13  
 CSFM# 01-15-11-0007

DESIGN BY	Steven Roy	CHECKED	Jesse Sandhu
DETAILS BY	Kathi Andreasen	CHECKED	Steven Roy
QUANTITIES BY	Steven Roy	CHECKED	Jesse Sandhu

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No.	50M5725
POST MILE	

**LEBEC MAINTENANCE STATION**  
 INDOOR COMPLIANCE FORM 1

SHEET **EE0-4**





NOTES:

- A. For removal work, see Architectural and Wastewater sheets.
- B. Verify exact location of existing underground utilities conduit run prior to trenching.

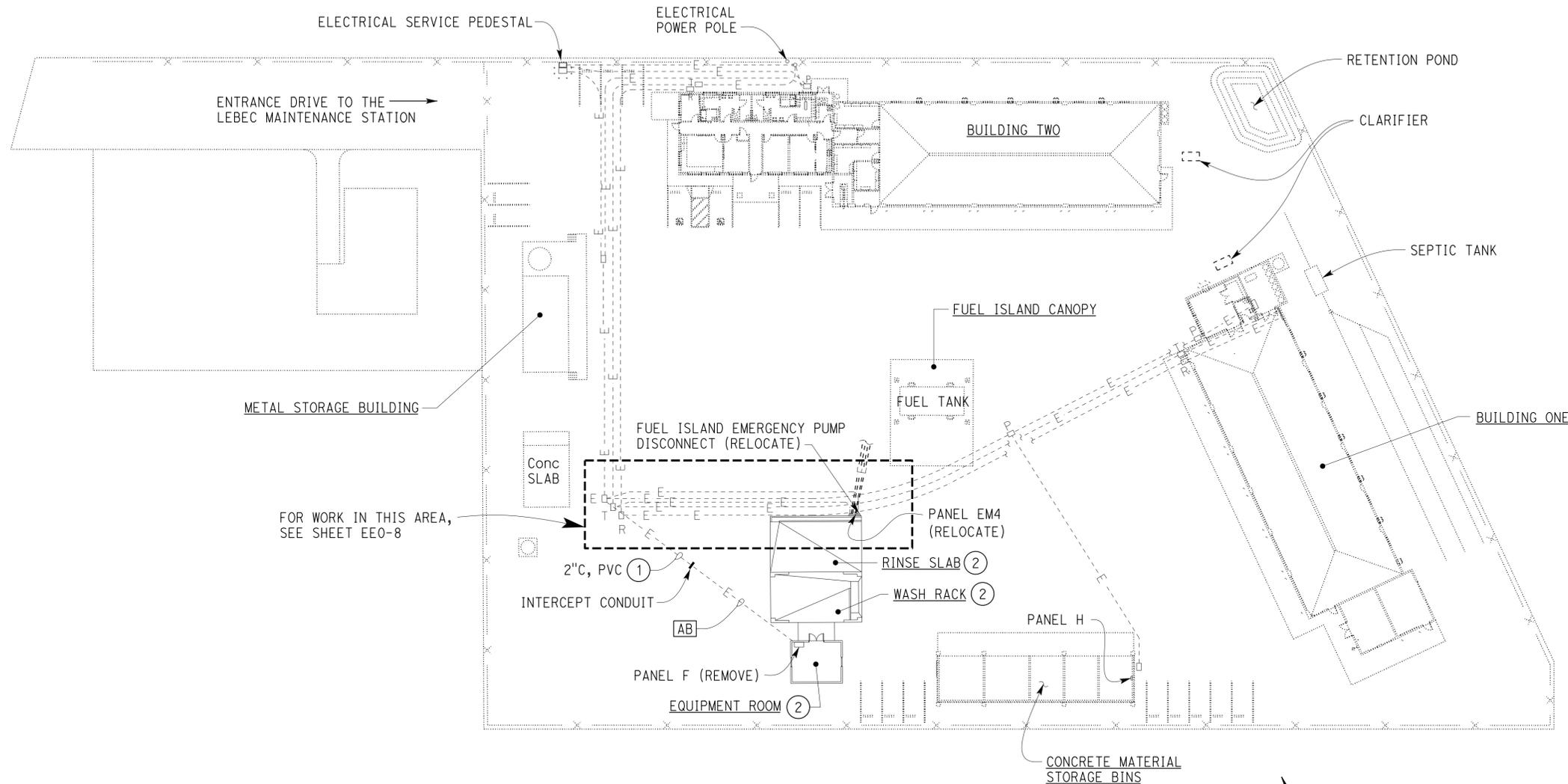
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		74	97

Reviewed by: *Jasvinder S. Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE  
 8-25-14  
 PLANS APPROVAL DATE  
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REGISTERED PROFESSIONAL ENGINEER  
 J. S. Sandhu  
 No. E 11803  
 Exp. 9-30-14  
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- LEGEND:
- ① Pull back existing conductors inside the pull box for reuse.
  - ② Remove all electrical equipment, devices, light fixtures, conduits, and conductors from inside the room prior to demolition of the building.



**SITE PLAN**  
 1" = 30'

APPROVED FOR ELECTRICAL WORK ONLY.

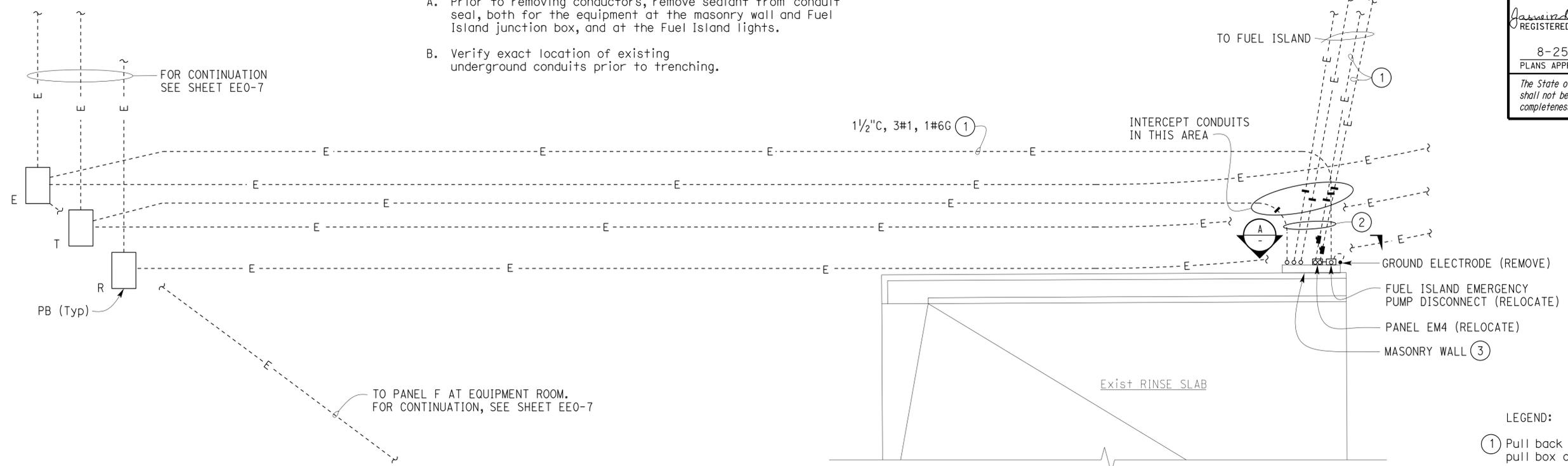
 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN	BY Steven Roy	CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	LEBEC MAINTENANCE STATION EXISTING SITE PLAN	SHEET
	DETAILS	BY Kathi Andreasen	CHECKED Steven Roy			50M5725		8
QUANTITIES	BY Steven Roy	CHECKED Jesse Sandhu	POST MILE			22		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
							04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13	8 22

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		75	97

J. S. Sandhu 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE  
 8-25-14  
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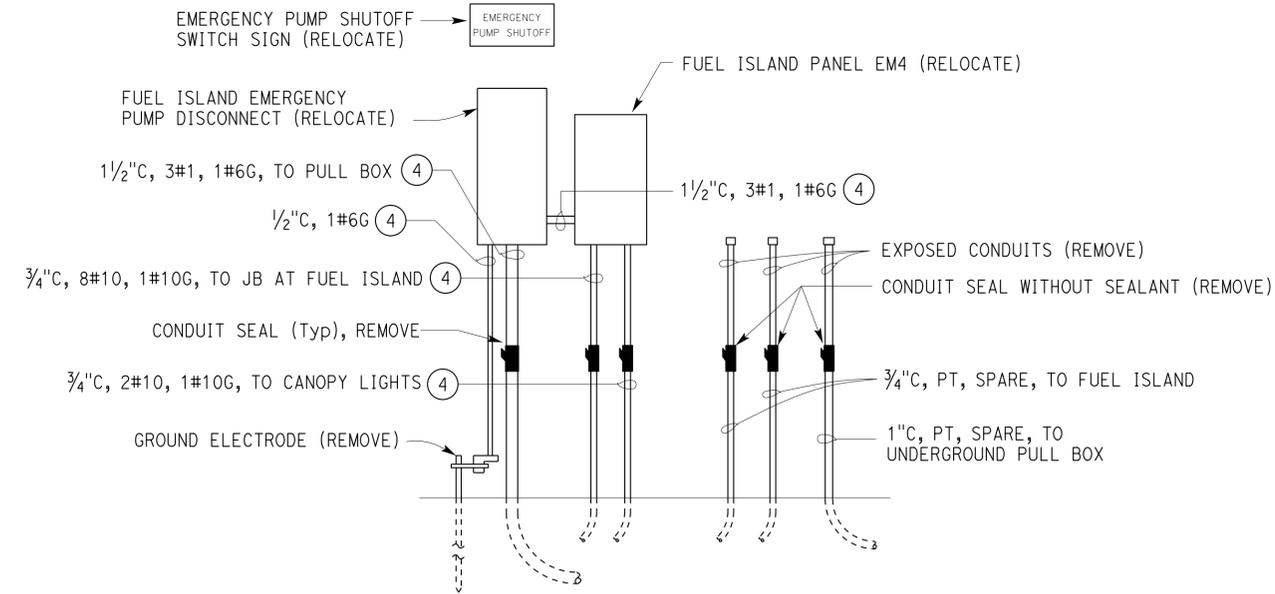
**REGISTERED PROFESSIONAL ENGINEER**  
 J. S. Sandhu  
 No. E 11803  
 Exp. 9-30-14  
 ELEC  
 STATE OF CALIFORNIA

- NOTES:
- Prior to removing conductors, remove sealant from conduit seal, both for the equipment at the masonry wall and Fuel Island junction box, and at the Fuel Island lights.
  - Verify exact location of existing underground conduits prior to trenching.



**ENLARGED SITE PLAN**  
1" = 5'

- LEGEND:
- Pull back conductors all the way up to the pull box or junction box as applicable.
  - Remove exposed portion of conduit. Extend this conduit to new location. For continuation, see sheets EE0-9 and EE0-10.
  - For removal work, see Architectural plans.
  - Remove conduit and conductors.



**A ELEVATION**  
NO SCALE

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DESIGN BY Steven Roy	CHECKED Jesse Sandhu	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	BRIDGE No. 50M5725 POST MILE	<b>LEBEC MAINTENANCE STATION</b> ENLARGED EXISTING SITE PLAN	SHEET <b>EE0-8</b>	
						DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
						UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061
DETAILS BY Kathi Andreasen	CHECKED Steven Roy	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF 9 22
QUANTITIES BY Steven Roy	CHECKED Jesse Sandhu		04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3		P:\dist_07\0713000206_lebec_washrack\expedit\ee0_08.dgn			

NOTES:

- A. For exact location of Enclosed Wash Rack and Wastewater system, see Architectural and Wastewater sheets.
- B. Verify exact location of existing underground utilities conduit run prior to trenching.

**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]*  
 AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007

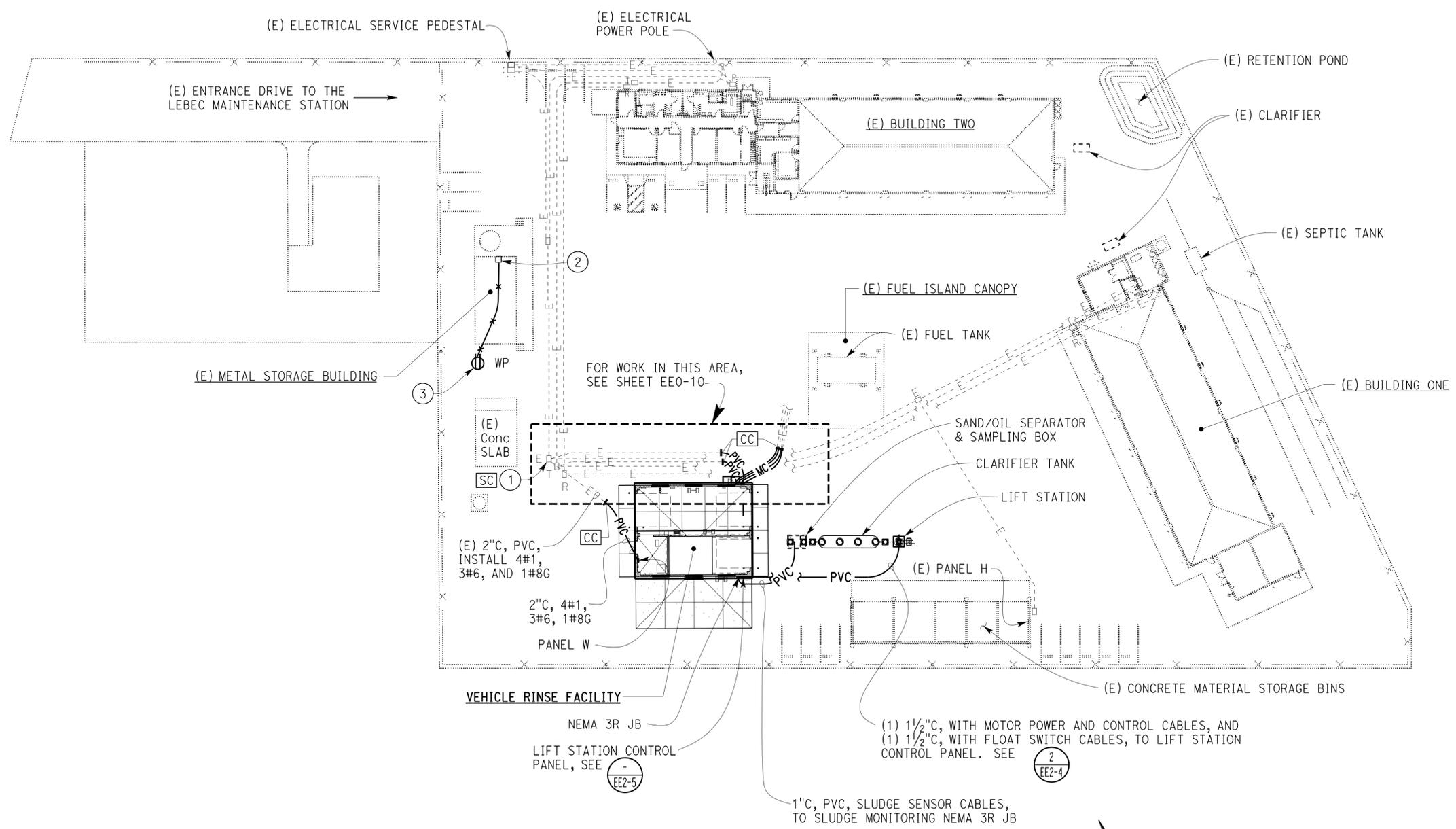
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		76	97

Reviewed by: *J. S. Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE

8-25-14  
 PLANS APPROVAL DATE

*J. S. Sandhu*  
 No. E 11803  
 Exp. 9-30-14  
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- LEGEND:
- ① Remove excess length of existing conductors prior to making splices.
  - ② Existing panel EM6. Panel is Square D, Type NQ0D. Install 20 A, IP circuit breaker.
  - ③ Receptacle for heat tape at (E) backflow preventers.

**SITE PLAN**

1" = 30'

APPROVED FOR ELECTRICAL WORK ONLY.

DESIGN	BY Steven Roy	CHECKED Jesse Sandhu
DETAILS	BY Kathi Andreasen	CHECKED Steven Roy
QUANTITIES	BY Steven Roy	CHECKED Jesse Sandhu

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 50M5725  
 POST MILE

**LEBEC MAINTENANCE STATION**  
 MODIFIED SITE PLAN

SHEET **EE0-9** OF 22



NOTES:

- A. For exact location of oil/water separator, settling tank, and lift station, see Wastewater sheets.
- B. For exact location of exhaust fans, and hydronic heating pumps, see Mechanical sheets.
- C. Provide sludge sensor cable, from sensor unit to the monitoring systems, via NEMA 3R junction box and splice the cable inside the box as needed. Coil minimum 5 feet of each sensor cable inside the box. See Water and Wastewater sheets for sludge sensor and cable specification.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		78	97

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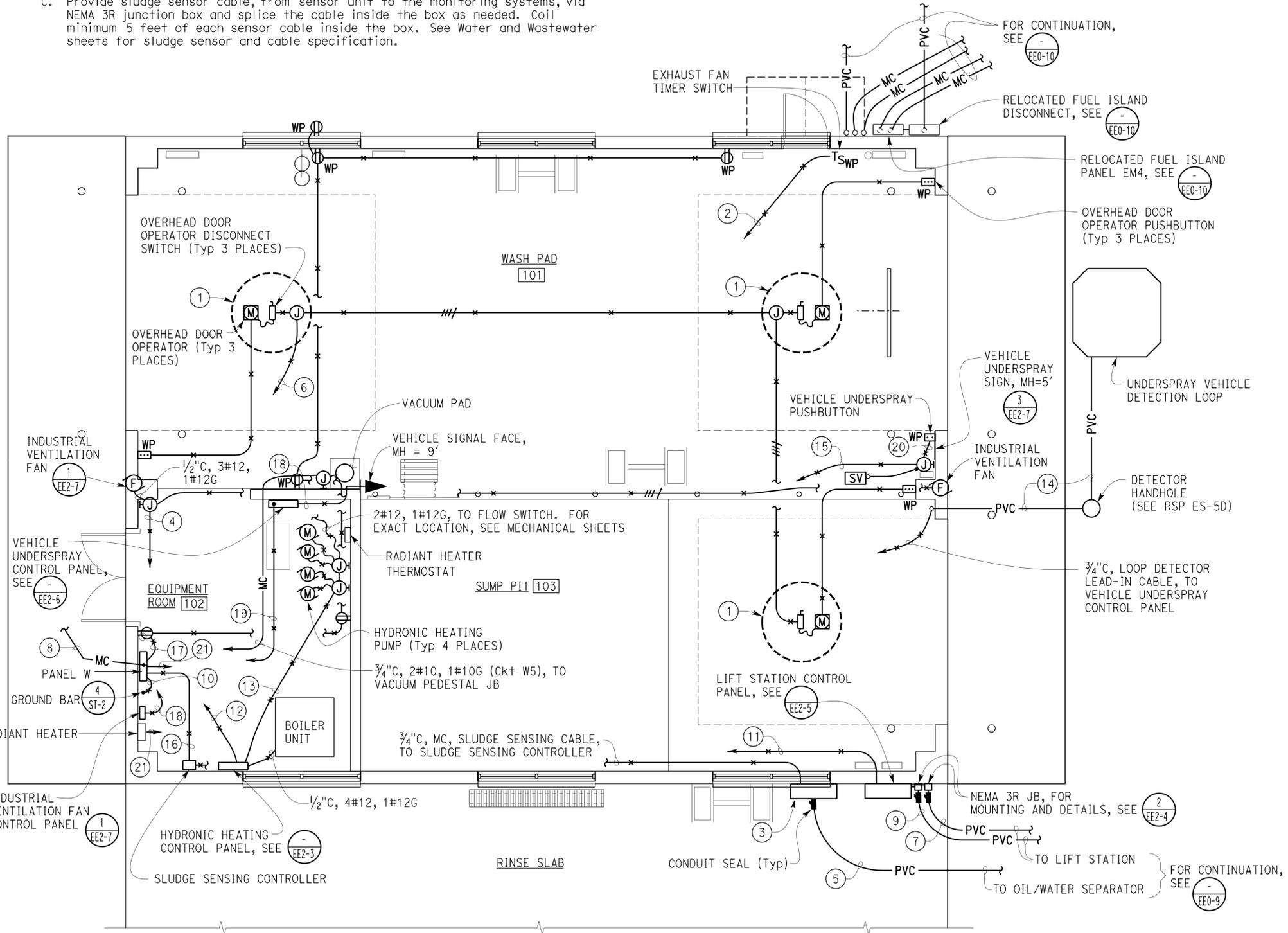
Reviewed by: AARON GREER  
 Approval date: 10-16-13  
**CSFM 01-15-II-007**

Reviewed by: Jawinder S Sandhu 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE

8-25-14  
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**REGISTERED PROFESSIONAL ENGINEER**  
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- LEGEND:
- ① Location of overhead door operator is shown arbitrarily only. Exact location depends upon unit furnished. Install any additional conduits, wires and cables not shown but necessary for the automatic operation of the overhead door. All wires and cables must be installed in conduits. Install the following conduits for the overhead door operator system:
    - 1/2" C, 3#12, and 1#12G, in between the overhead door operator disconnect and the overhead door operator;
    - 1/2" C, control conductors as required, in between the overhead door operator pushbutton and overhead door operator;
    - 1/2" C, control conductors as required, in between the overhead door operator and reversing edge limit switch. Reversing edge limit switch is not shown for clarity;
    - 1/2" C, control conductors as required, in between the overhead door operator and the door operating chain limit switch. Limit switch is not shown for clarity.
  - ② 2#12, 1#12G, to Industrial Ventilation Fan Control Panel.
  - ③ Weatherproof NEMA 3R junction box. Install terminal blocks for splicing if necessary.
  - ④ 3#12, 1#12G, to Industrial Ventilation Fan Control Panel.
  - ⑤ 1" C, PVC, sludge sensor cables, to sludge monitoring systems.
  - ⑥ 3#12, 1#12G (Ckt W2-4-6).
  - ⑦ 1 1/2" C, 2 motor cables, 1#12G, to Lift Station.
  - ⑧ 2" C, PVC, 4#1, 3#6, 1#8G, to pull box. For continuation, see EEO-9.
  - ⑨ 1 1/2" C, MC, (3) float switch cables, to Lift Station.
  - ⑩ 1/2" C, 1#6G.
  - ⑪ 3/4" C, 3#10, 1#10G to Panel W (Ckt W17-19).
  - ⑫ 1" C, 3#8, 1#8G (Ckt W18-20).
  - ⑬ 3/4" C, 10#12, 1#12G.
  - ⑭ 3/4" C, PVC, loop detector lead-in cable, to Vehicle Underspray Control Panel.
  - ⑮ 3/4" C, 5#12, 1#12G, to Underspray Control Panel.
  - ⑯ 3/4" C, 2#12, 1#12G (Ckt W13).
  - ⑰ 3/4" C, 2#12, 1#12G (Ckt W14).
  - ⑱ 3/4" C, 4#12, 1#12G (W8-10-12).
  - ⑲ 3/4" C, 2#12, 1#12G (Ckt W29).
  - ⑳ 3/4" C, 3#12, 1#12G.
  - ㉑ 3/4" C, 2#12, 1#12G to Radiant Heater Thermostat.

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

APPROVED FOR ELECTRICAL WORK ONLY.

DESIGN	BY	Steven Roy	CHECKED	Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	LEBEC MAINTENANCE STATION		SHEET EE1-1							
	DETAILS	BY	Kathi Andreasen	CHECKED				Steven Roy	WASH BUILDING		POWER PLAN						
	QUANTITIES	BY	Steven Roy	CHECKED				Jesse Sandhu	REVISION DATES (PRELIMINARY STAGE ONLY)								
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET OF							
TAEWW Imperial - CCSC Rev. 01/13					UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES		04-15-13	05-15-13	06-15-13	07-15-13	08-10-13	09-27-13	11-05-13	12	22

NOTES:

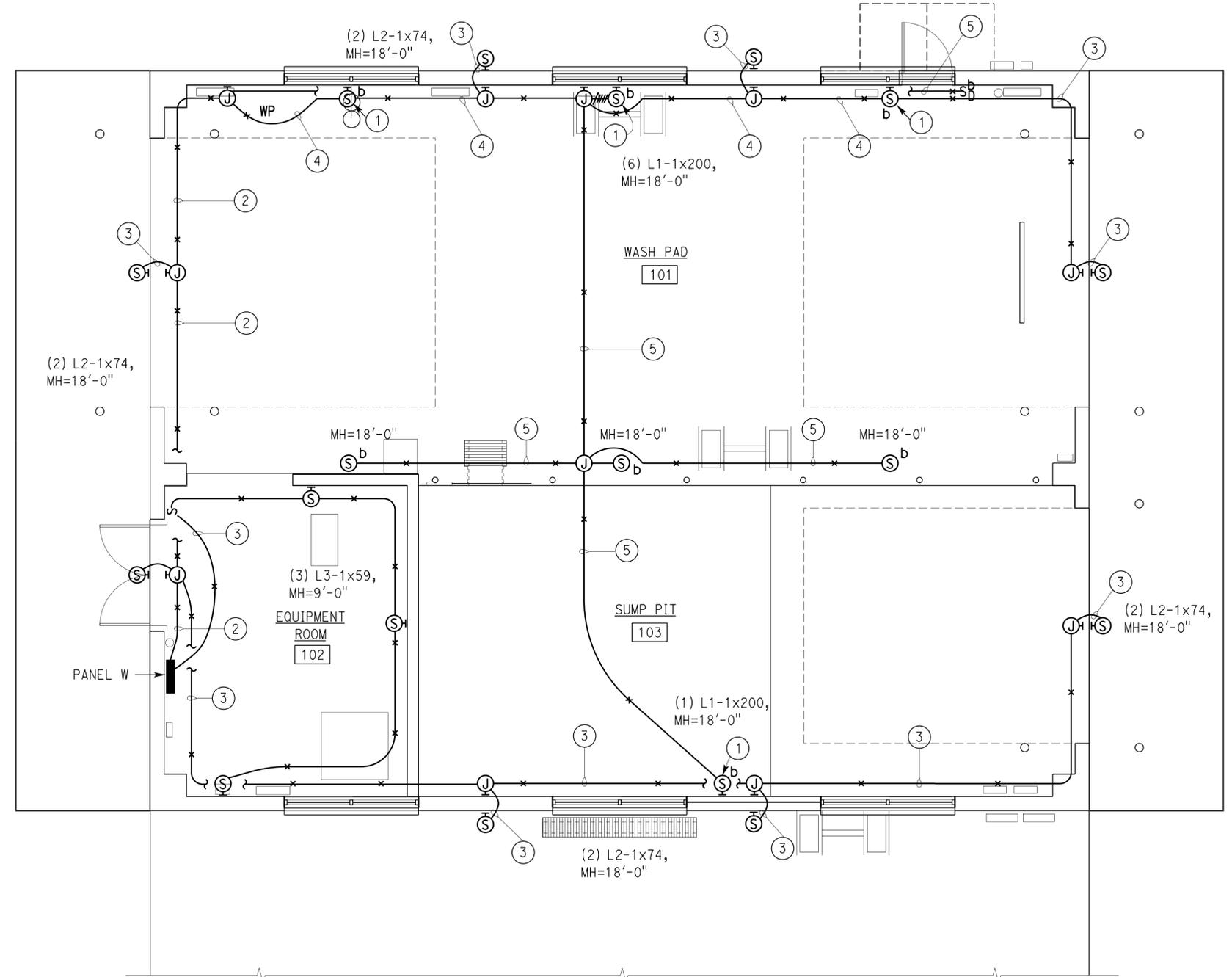
- A. Exposed conduits and junction boxes inside wash pad and sump pit must be rigid steel.
- B. For Lighting Fixture Schedule, see Electrical specification.
- C. All outdoor lights are fed by Panel W, Ckt 30. Lights in the wash pad and Sump Pit are fed by Panel W, Ckt 26. Lights in the Equipment Room are fed by Panel W, Ckt 24.
- D. Light in wash pad and sump pit are control by dimmer switch.

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: *Aaron Greer*  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007

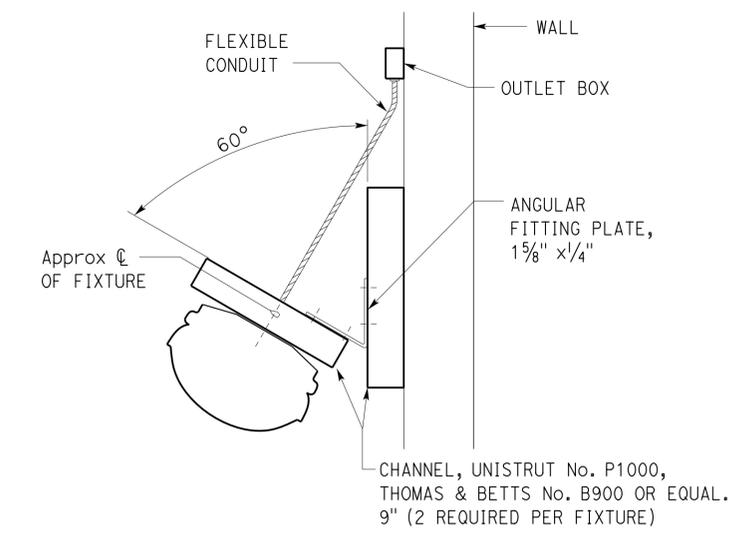
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		79	97

Reviewed by: *Jasvinder S. Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE  
 8-25-14  
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 J. S. Sandhu  
 No. E 11803  
 Exp. 9-30-14  
 ELEC  
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- LEGEND:
- ① For fixture installation, see  $\frac{1}{-}$ .
  - ② 3/4"C, 2#12, 1#12G (Ckt W26). and 2#12, 1#12G (Ckt W30).
  - ③ 2#12, 1#12G (Ckt W30).
  - ④ 3/4"C, 4#12, 1#12G(Ckt W26), and 2#12, 1#12G (Ckt W30).
  - ⑤ 3/4"C, 4#12, 1#12G (Ckt W26).



**1 FIXTURE MOUNTING DETAIL**  
 NO SCALE

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

DESIGN BY Steven Roy	CHECKED BY Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725	LEBEC MAINTENANCE STATION		SHEET EE1-2						
				POST MILE	WASH BUILDING	LIGHTING PLAN							
DETAILS BY Kathi Andreasen	CHECKED BY Steven Roy	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061		DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF						
QUANTITIES BY Steven Roy	CHECKED BY Jesse Sandhu	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	04-15-13	05-15-13	06-15-13	07-15-13	08-10-13	09-27-13	11-05-13	13	22

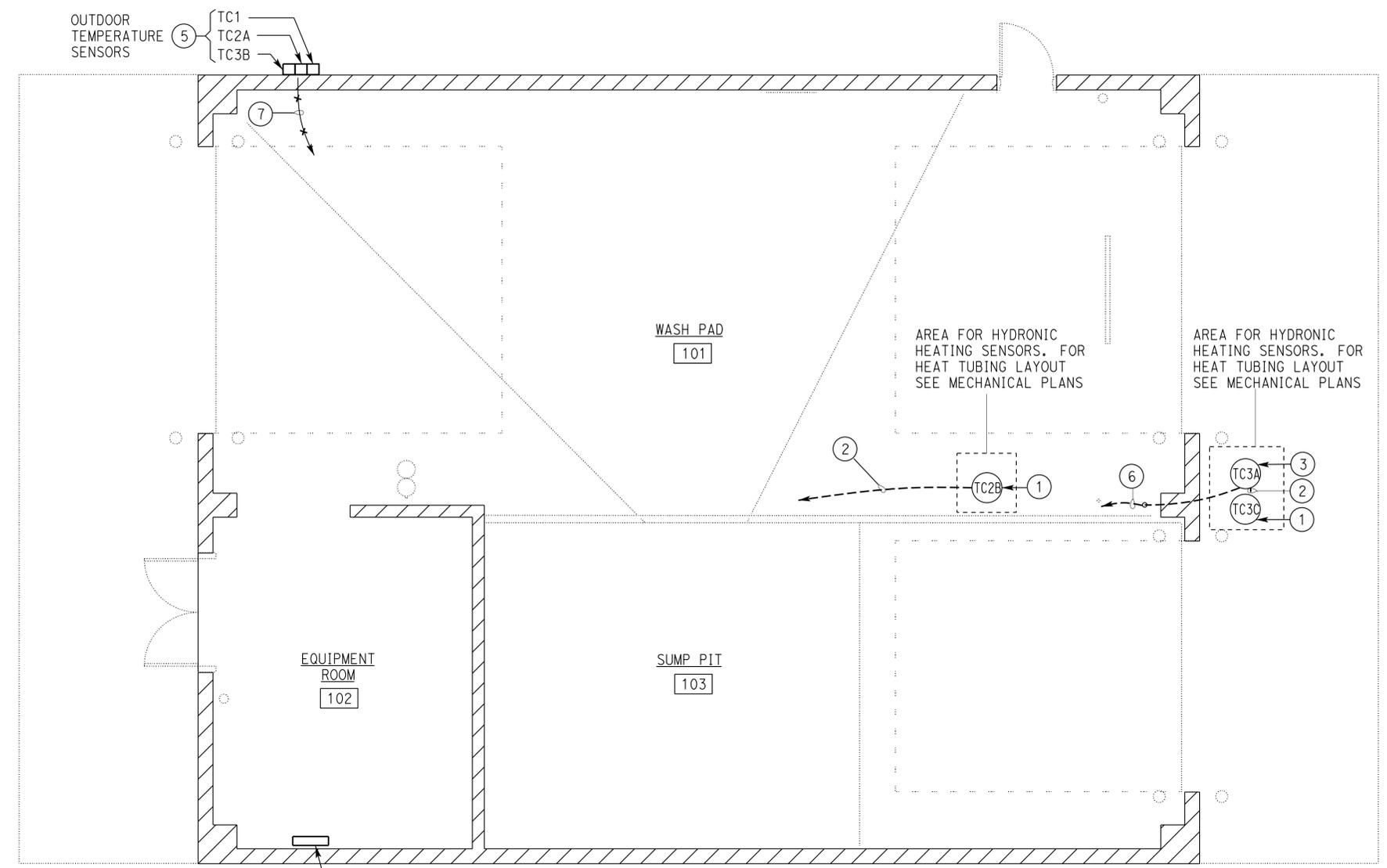
TAEWW Imperial - CCSC Rev. 01/13  
 P:\dist_07\0713000206_lebec_washrack\expd\fevee1_02.dgn

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		80	97

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 J. S. Sandhu  
 No. E 11803  
 Exp. 9-30-14  
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 STATE OF CALIFORNIA



**NOTES:**

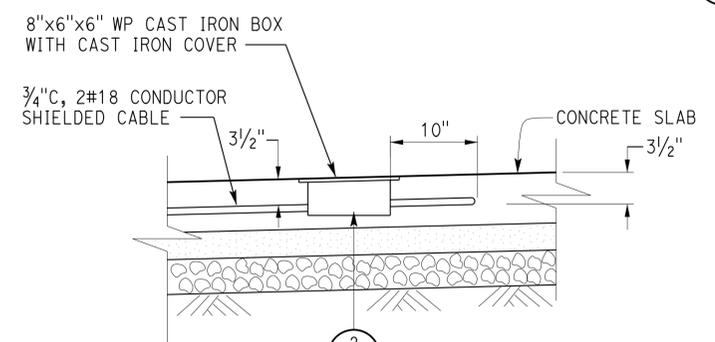
- A. Install thermosensors between heating tubes.
- B. For hydronic heating schematic diagrams and details, see sheets EE2-1 through EE2-3.
- C. All conduits for hydronic heating system must be rigid steel conduits.
- D. Fill thermowells with Heat Conductive Paste before inserting thermosensors.
- E. Coordinate sensor location with Hydronic Heating pipe location.

**LEGEND:**

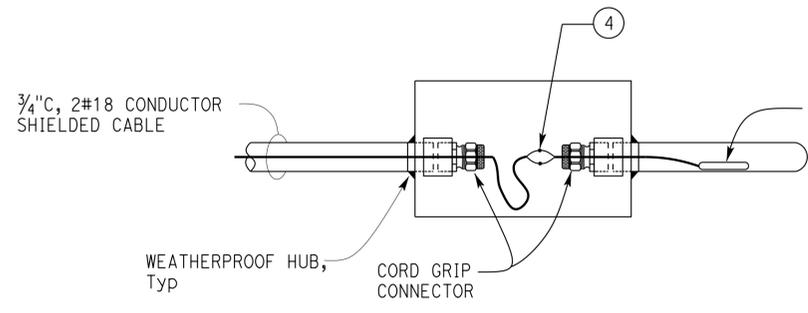
- ① Thermowell with thermosensor, see Detail 1 on this sheet.
- ② 3/4"C, one sensor cable, to Hydronic Heating Control Panel. Terminate sensor cable as required for operation.
- ③ Snow sensor, see Detail 3 on this sheet.
- ④ Solder shielded cable conductors to the pigtails of the sensor. Install clear heat shrink tubing over the soldered length.
- ⑤ Install sensors inside fiberglass type enclosure. Install insulating material inside enclosure for mounting sensors. Secure sensors to insulating material using a plastic strap. Install 14 gauge expanded metal cover on the enclosure for establishing air flow.
- ⑥ 1"C, two sensor cables to Hydronic Heating Control Panel. Terminate sensor cables as required for operation.
- ⑦ 3/4"C, (3) sensor cables to Hydronic Heating Control Panel. Terminate sensor cables as required for operation.

**PLAN**

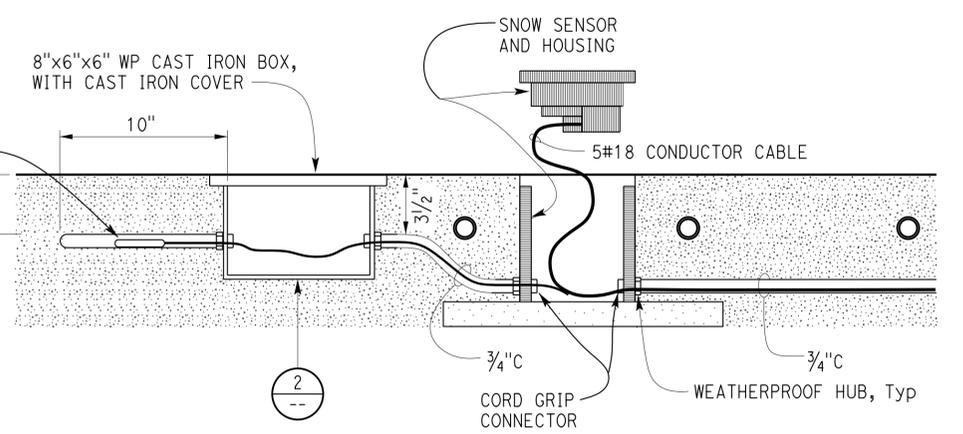
1/4" = 1'-0"



**1 HEATED SLAB DETAIL**  
NO SCALE



**2 DETAIL**  
NO SCALE



**3 SENSOR CABLE INSTALLATION**  
NO SCALE

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DESIGN	BY Steven Roy	CHECKED Jesse Sandhu
DETAILS	BY Kathi Andreasen	CHECKED Steven Roy
QUANTITIES	BY Steven Roy	CHECKED Jesse Sandhu

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

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

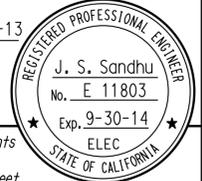
BRIDGE No. 50M5725  
 POST MILE

**LEBEC MAINTENANCE STATION**  
 WASH BUILDING  
 HYDRONIC HEATING SENSORS PLAN

SHEET **EE1-3** OF 22

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		81	97

*Jasvinder S. Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE



8-25-14  
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 AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007

MAIN: 125 A MAIN BREAKER  
 VOLTS: 240/120 V, 3 Ø, 4-WIRE

PANEL W

FEEDER SIZE: 4#1, 1#8G  
 LOCATION: EQUIPMENT ROOM AT WASH RACK

DESCRIPTION	AMPERES			Brk	Ckt	A	B	C	Ckt	Brk	AMPERES			DESCRIPTION
	A	B	C								A	B	C	
RADIANT HEATER	2			20/1	1	•			2		7			DOOR OPERATORS
SPACE		-		-	3		•		4	20/3		7		
VACUUM			20	30/1	5			•	6				7	
SPARE	-				7	•			8		14			EXHAUST FAN
		-		30/3	9		•		10	40/3		14		
			-		11			•	12				14	
SLUDGE SENSING CONTROLLER	1			20/1	13	•			14	20/1*	9			DUPLEX RECEPTACLES
SPACE		-		-	15		•		16	-		-		SPACE
LIFT STATION CONTROL PANEL			10		17			•	18				20	HYDRONIC HEATING CONTROL PANEL
	10			30/2	19	•			20	40/2	20			
SPACE		-		-	21		•		22	-		-		SPACE
PANEL H (MATERIALS STORAGE BIN)			9		23			•	24	20/1			2	EQUIPMENT ROOM LIGHTING
SPACE	7.2			50/2	25	•			26	20/1	10			WASHPAD LIGHTING
SPACE		-		-	27		•		28	-		-		SPACE
VEHICLE UNDERSPRAY CONTROL PANEL			2	20/1	29			•	30	20/1			6	OUTDOOR LIGHTING

*GFCI TYPE CIRCUIT BREAKER

A	B	C	TOTAL CONNECTED LOAD (AMPERES PER PHASE)
80.2	21	90	

NOTE: INSTALL WARNING PLATE READING "Caution B Phase Has 208 Volts to Ground" ON PANEL W

DESIGN BY Steven Roy	CHECKED BY Jesse Sandhu		DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	<b>LEBEC MAINTENANCE STATION</b>  WASH BUILDING	SHEET OF <b>EE1-4</b>	
				50M5725			
				POST MILE			
DETAILS BY Kathi Andreasen	CHECKED BY Steven Roy	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES →		REVISION DATES (PRELIMINARY STAGE ONLY) 04-15-13 05-15-13 06-15-13 07-15-13 09-10-13 09-27-13 11-05-13	SHEET OF 15 22
QUANTITIES BY Steven Roy	CHECKED BY Jesse Sandhu			P:\dist_07\07130002061_lebec_washrack\expedite\ee1_04.dgn			

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 AARON GREER  
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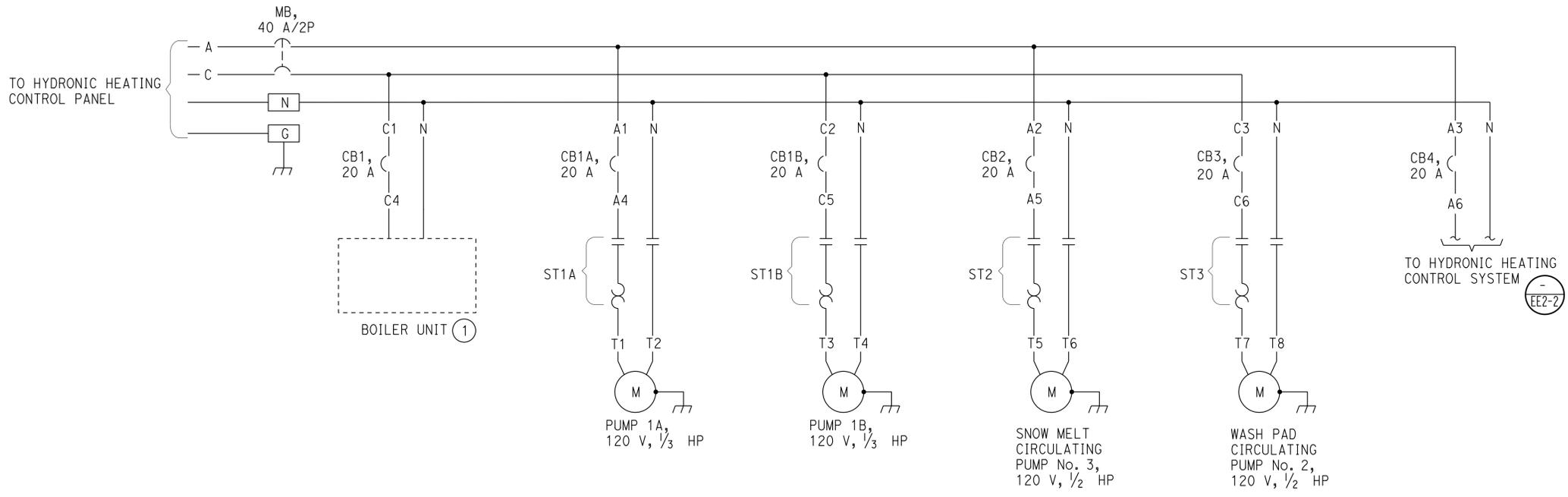
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		82	97

Reviewed by: *Jasvinder S. Sandhu* 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE  
 8-25-14  
 PLANS APPROVAL DATE

*J. S. Sandhu*  
 No. E 11803  
 Exp. 9-30-14  
 ELEC  
 STATE OF CALIFORNIA

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NOTE:  
 ① Boiler unit control power must always be "ON" even during standby and waiting for heat enable signal.



DESIGN BY Steven Roy	CHECKED Jesse Sandhu	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	BRIDGE No. 50M5725 POST MILE	<b>LEBEC MAINTENANCE STATION</b> HYDRONIC HEATING SCHEMATIC DIAGRAM 1	SHEET OF <b>EE2-1</b> 16 22	
						DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
						UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061
DETAILS BY Kathi Andreasen QUANTITIES BY Steven Roy	CHECKED Steven Roy CHECKED Jesse Sandhu	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13	TAEEMWW Imperial - CCSC Rev. 01/13	

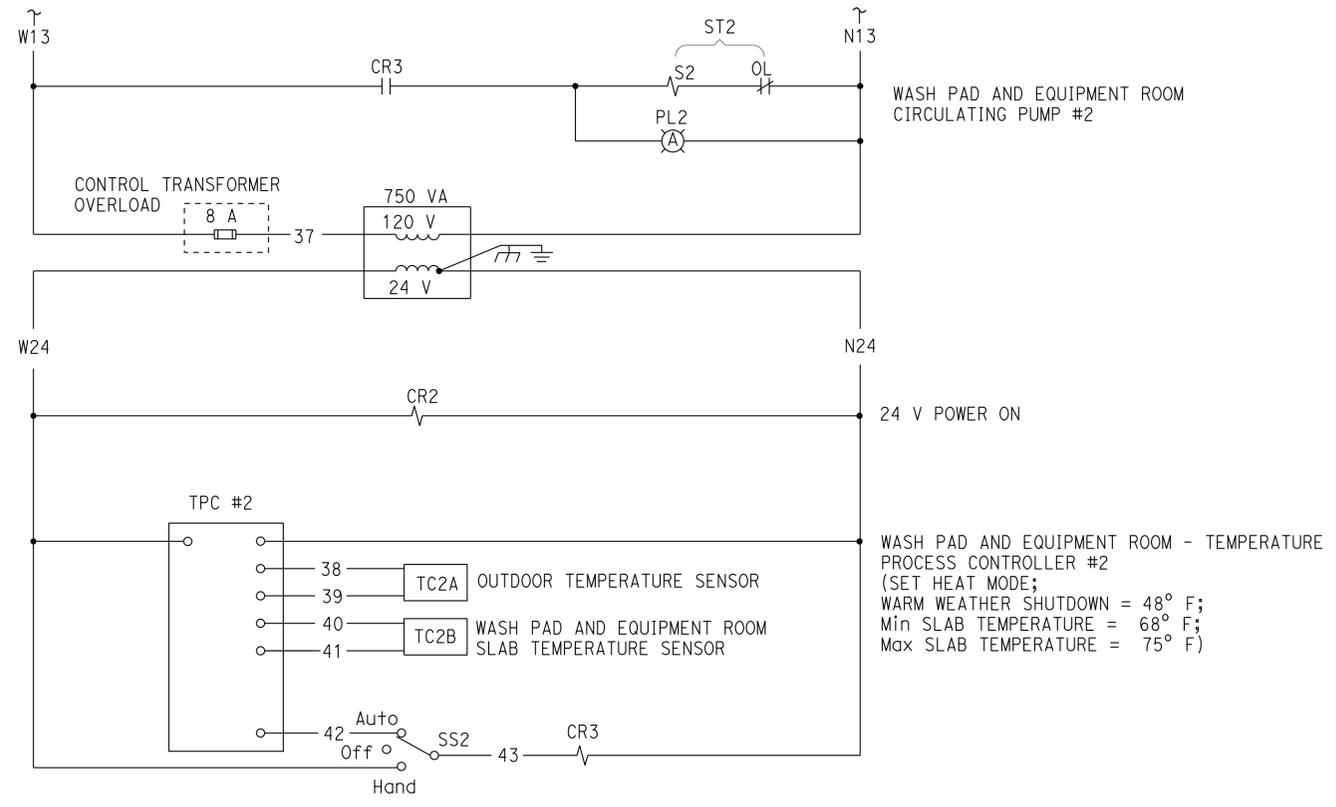
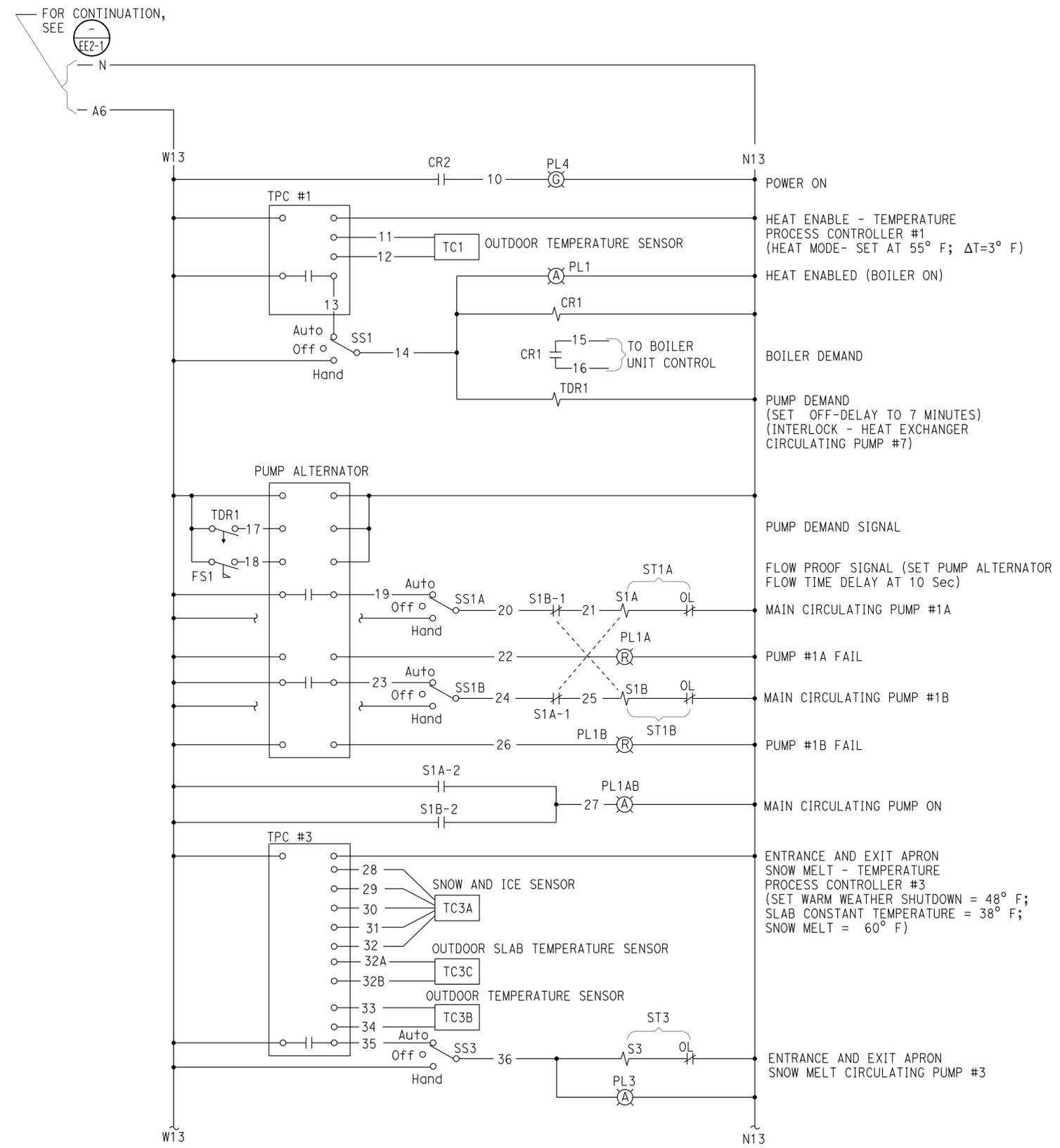
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		83	97

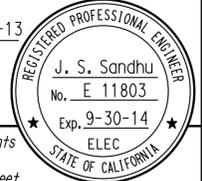
J. S. Sandhu 11-05-13  
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 PLANS APPROVAL DATE  
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**REGISTERED PROFESSIONAL ENGINEER**  
 J. S. Sandhu  
 No. E 11803  
 Exp. 9-30-14  
 ELEC  
 STATE OF CALIFORNIA

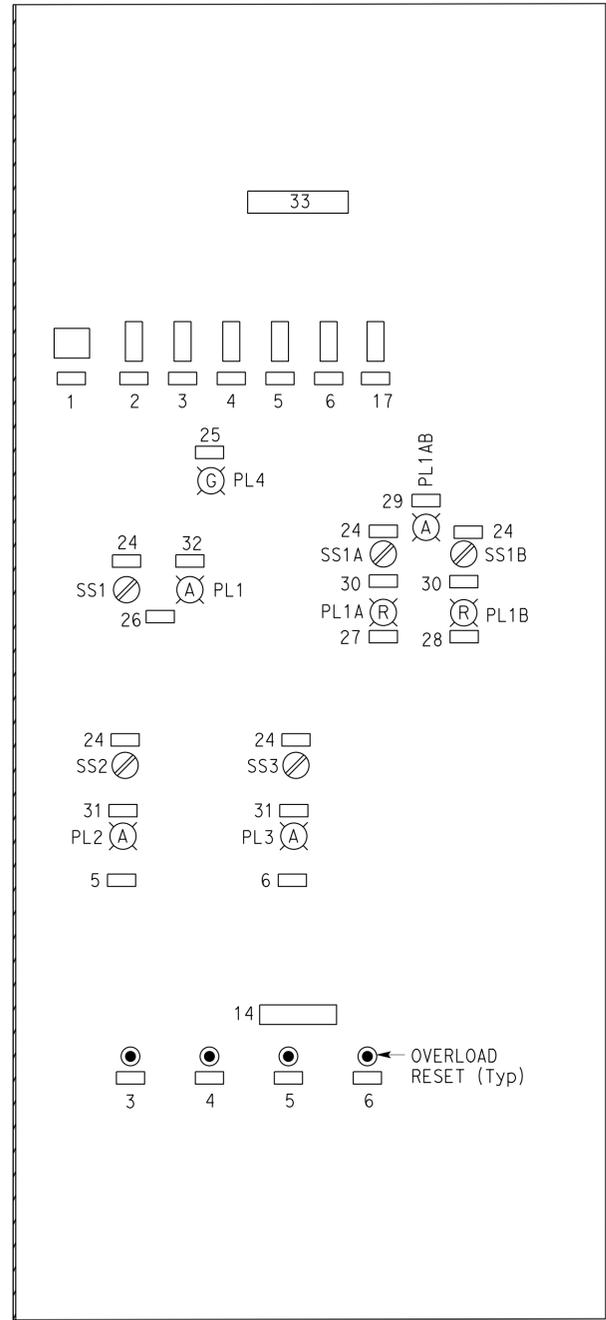
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: AARON GREER  
 Approval date: 10-16-13  
 CSFM* 01-15-II-0007



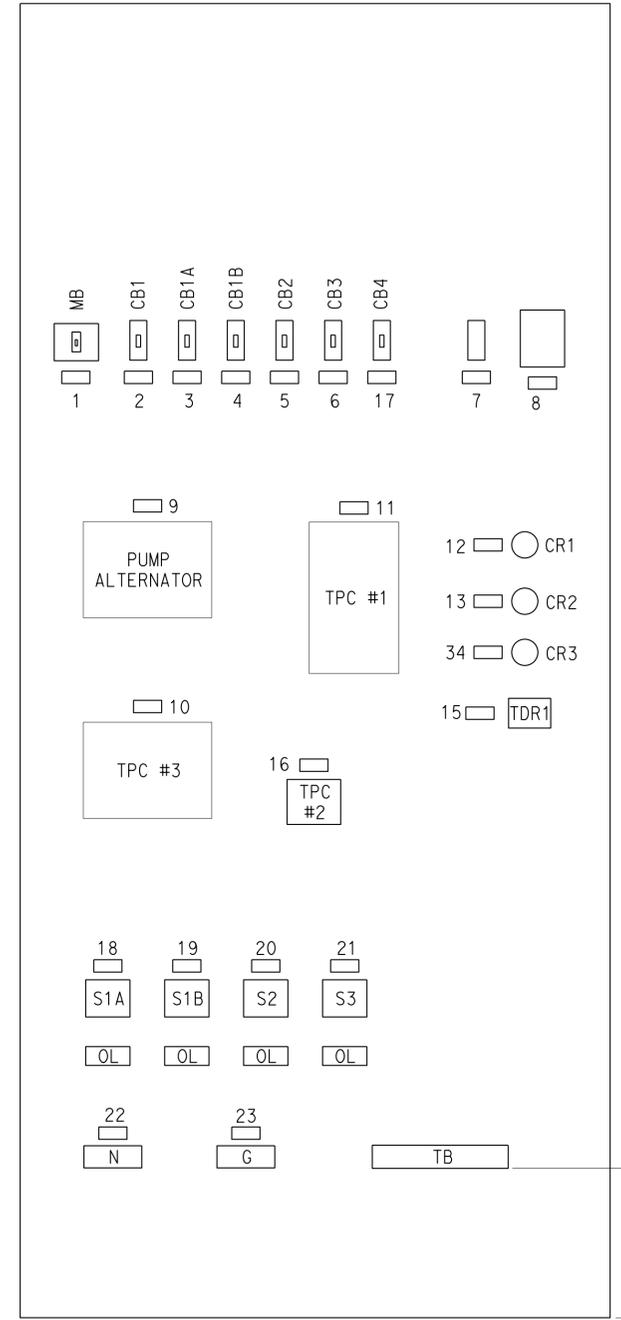
DESIGN BY Steven Roy CHECKED Jesse Sandhu DETAILS BY Kathi Andreasen CHECKED Steven Roy QUANTITIES BY Steven Roy CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	LEBEC MAINTENANCE STATION HYDRONIC HEATING SCHEMATIC DIAGRAM 2	SHEET 17 OF 22 OF 22
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13	SHEET 17 OF 22
	TAEWW Imperial - CCSC Rev. 01/13	P:\dist_07\0713000206_lebec_washrack\expedite\ee2_02.dgn			



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**HINGED DOOR**



**BACK MOUNTING PANEL**

**CONTROL PANEL LAYOUT**  
NO SCALE

NOTE:

Size cabinet as required to fit all devices.

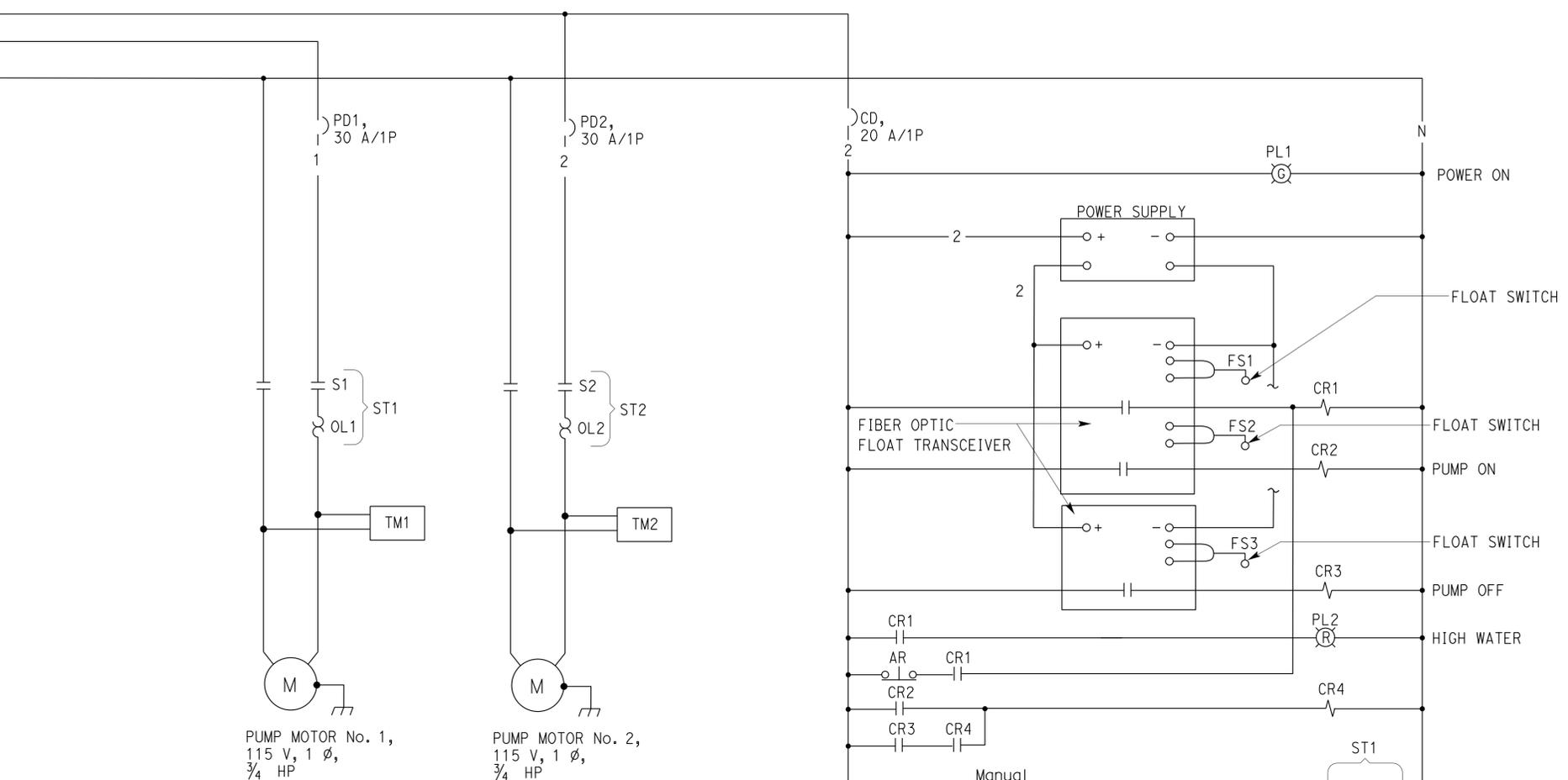
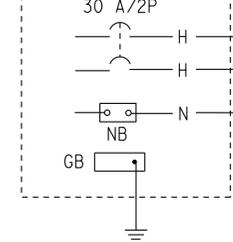
NAMEPLATE SCHEDULE			
TAG No.	TYPE	INSCRIPTION	LETTER HEIGHT
1	PLATE	MAIN CB	3/8"
2	PLATE	BOILER CONTROL	1/4"
3	PLATE	PUMP 1A	1/4"
4	PLATE	PUMP 1B	1/4"
5	PLATE	SNOW MELT PUMP	1/4"
6	PLATE	WASH PAD PUMP	1/4"
7	PLATE	CONTROL XFMR OVERLOAD	1/4"
8	PLATE	120/24 V XFMR	1/4"
9	PLATE	PUMP ALTERNATOR	1/4"
10	PLATE	TPC SNOW MELT	1/4"
11	PLATE	TPC HEAT ENABLE	1/4"
12	PLATE	CR1	1/4"
13	PLATE	CR2	1/4"
14	PLATE	OL RESET	1/4"
15	PLATE	TDR1	1/4"
16	PLATE	TPC WASH PAD	1/4"
17	PLATE	HYDRONIC HEATING CONTROL	1/4"
18	PLATE	ST PUMP 1A	1/4"
19	PLATE	ST PUMP 1B	1/4"
20	PLATE	ST WASH PAD	1/4"
21	PLATE	ST SNOW MELT	1/4"
22	PLATE	NEUTRAL	1/4"
23	PLATE	GROUND	1/4"
24	PLATE	HAND-OFF-AUTO	1/4"
25	PLATE	POWER	1/4"
26	PLATE	HYDRONIC HEAT ENABLE	1/4"
27	PLATE	MAIN PUMP 1A	1/4"
28	PLATE	MAIN PUMP 1B	1/4"
29	PLATE	MAIN PUMP RUN	1/4"
30	PLATE	PUMP FAILED	3/8"
31	PLATE	PUMP RUN	1/4"
32	PLATE	BOILER ENABLED	1/4"
33	PLATE	HYDRONIC HEATING CONTROL PANEL	1/4"
34	PLATE	CR3	1/4"

APPROVED FOR ELECTRICAL WORK ONLY.

DESIGN BY Steven Roy	CHECKED Jesse Sandhu	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES <b>ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN</b>	BRIDGE No. 50M5725	<b>LEBEC MAINTENANCE STATION</b> HYDRONIC HEATING CONTROL PANEL	SHEET <b>EE2-3</b>	
	DETAILS BY Kathi Andreasen			CHECKED Steven Roy			POST MILE
	QUANTITIES BY Steven Roy			CHECKED Jesse Sandhu			UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES  
 REVISION DATES (PRELIMINARY STAGE ONLY): 04-15-13, 05-15-13, 06-15-13, 07-15-13, 08-10-13, 09-27-13, 11-05-13  
 SHEET OF: 18 22  
 P:\dist_07\0713000206_lebec_washrack\exped\fe\ee2_03.dgn

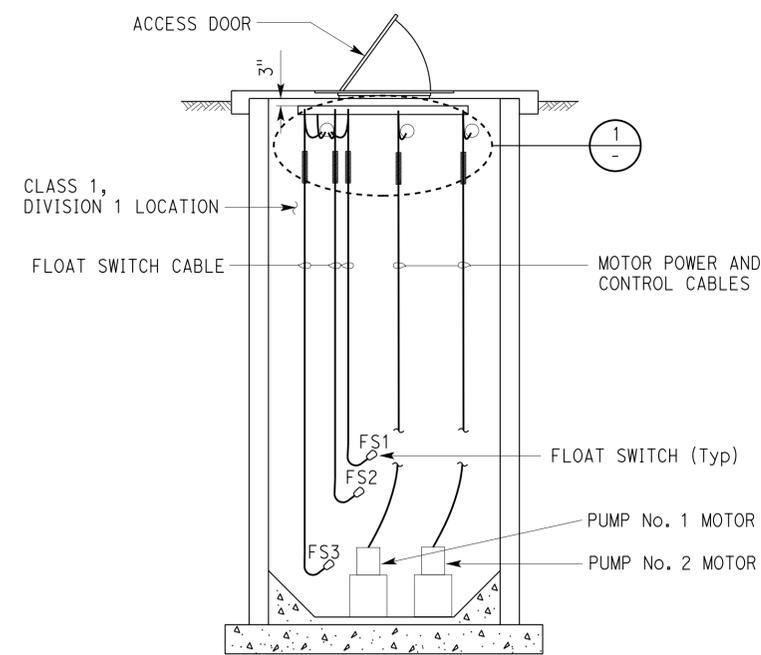
**LIFT STATION CONTROL PANEL**



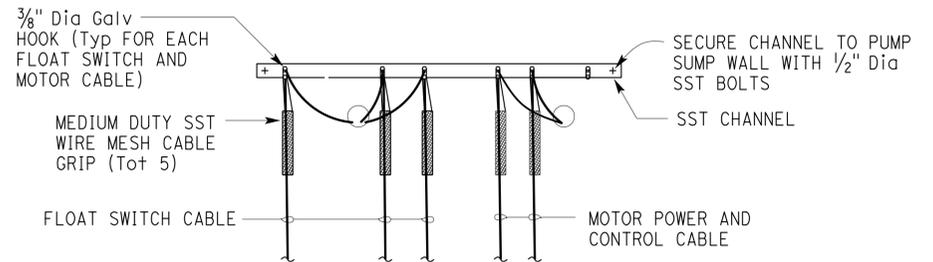
**LEGEND:**

- Use weatherproof NEMA 4X stainless steel junction box, sized as required. Splice fiber optic cables (float switch cables) inside junction box using approved splicing method. Polish fiber optic cable ends prior to splicing. Install suitable terminal blocks inside junction box for terminating sludge and level transducer conductors/cables as recommended by the transducer/cable manufacturer.
- NEMA 3R JB. Install power distribution type terminating blocks for terminating all conductors.

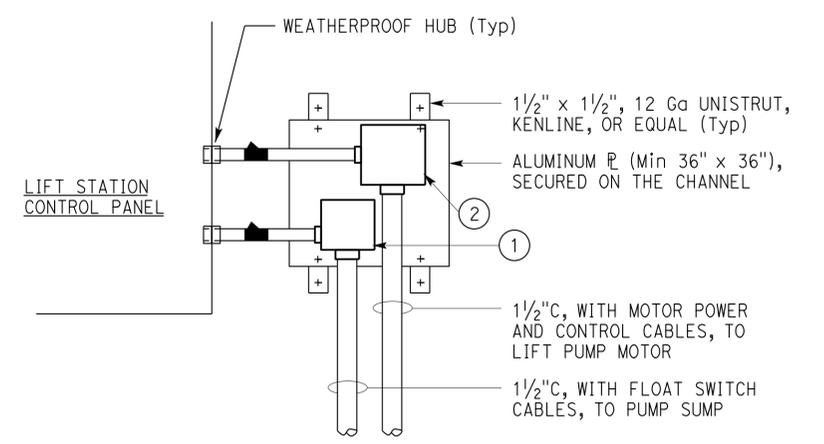
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 Reviewed by: *Aaron Greer*  
 AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007



**LIFT STATION**  
NO SCALE



**1 CABLE MOUNTING DETAIL**  
NO SCALE



**2 JUNCTION BOXES MOUNTING DETAIL**  
NO SCALE

DESIGN BY Steven Roy CHECKED Jesse Sandhu DETAILS BY Kathi Andreasen CHECKED Steven Roy QUANTITIES BY Steven Roy CHECKED Jesse Sandhu	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	LEBEC MAINTENANCE STATION LIFT STATION PUMP CONTROL SCHEMATIC DIAGRAM	SHEET OF <b>EE2-4</b> 22
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 04-15-13 05-15-13 06-15-13 07-15-13 09-10-13 09-27-13 11-05-13	SHEET OF 19 22
	TAEWW Imperial - CCSC Rev. 01/13 P:\dist_07\0713000206_lebec_washrack\expedite\ee2_04.dgn				

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		86	97

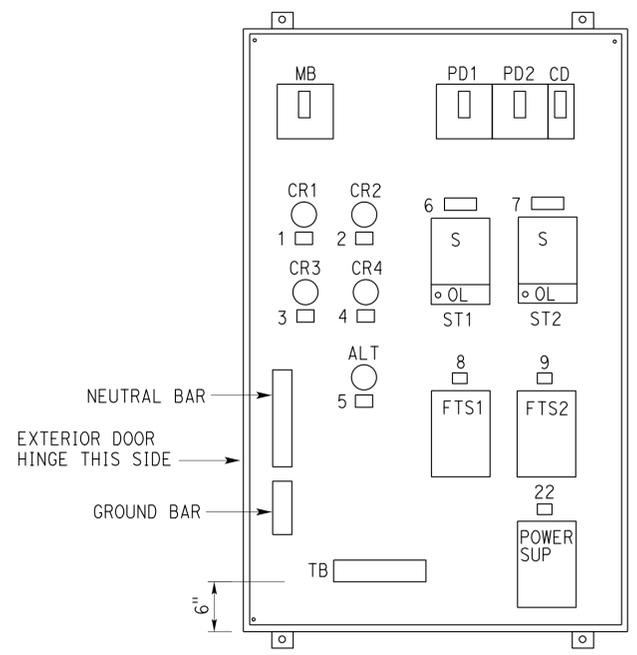
  

Reviewed by:	11-05-13
AARON GREER	DATE
Approval date: 10-16-13	
CSFM# 01-15-II-0007	

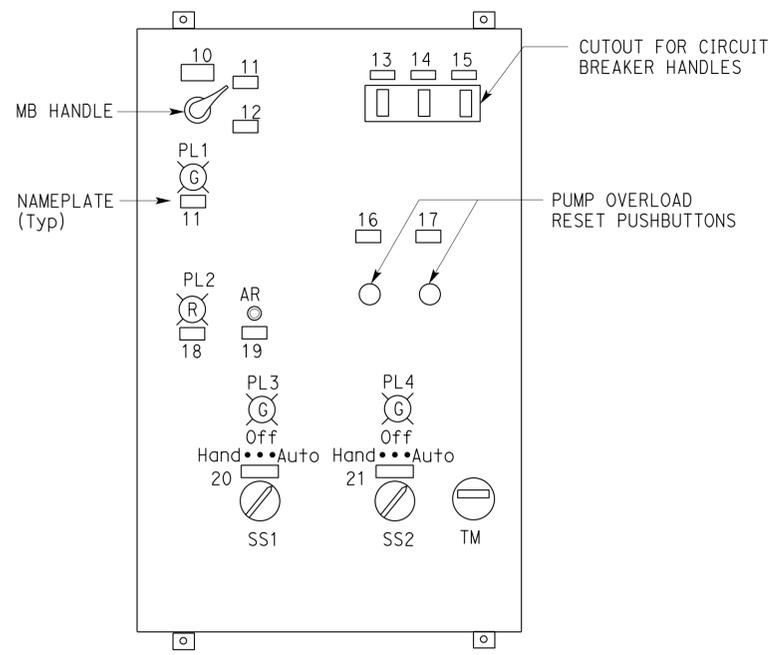
  

REGISTERED ELECTRICAL ENGINEER	11-05-13
J. S. Sandhu	DATE
No. E 11803	
Exp. 9-30-14	
ELEC	
STATE OF CALIFORNIA	

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(CONTROL PANEL EXTERIOR DOOR AND HINGED INTERIOR DEADFRONT DOOR NOT SHOWN)



(CONTROL PANEL EXTERIOR DOOR NOT SHOWN, HINGED INTERIOR DEADFRONT DOOR CLOSED)

- LEGEND:
- ① Install nameplate item 23 on exterior door.

NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
1	CR1	1/4"
2	CR2	1/4"
3	CR3	1/4"
4	CR4	1/4"
5	ALT	1/4"
6	ST1	1/4"
7	ST2	1/4"
8	FLOAT TRANSCEIVER 1	1/4"
9	FLOAT TRANSCEIVER 2	1/4"
10	MAIN	1/4"
11	ON	1/4"
12	OFF	1/4"
13	PUMP No. 1 DSC	1/4"
14	PUMP No. 2 DSC	1/4"
15	CONTROL DSC	1/4"
16	RESET SUMP PUMP No. 1	1/4"
17	RESET SUMP PUMP No. 2	1/4"
18	HIGH WATER ALARM	1/4"
19	ALARM RESET	1/4"
20	PUMP No. 1	1/4"
21	PUMP No. 2	1/4"
22	POWER SUPPLY	3/8"
23	LIFT STATION CONTROL PANEL	3/8"

**A ELEVATION**  
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY.

DESIGN BY Steven Roy	CHECKED Jesse Sandhu	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725	<b>LEBEC MAINTENANCE STATION</b> LIFT STATION CONTROL PANEL	SHEET <b>EE2-5</b>	
	DETAILS BY Kathi Andreasen			CHECKED Steven Roy			POST MILE
	QUANTITIES BY Steven Roy			CHECKED Jesse Sandhu			
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF 20 22	

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Reviewed by: *Aaron Greer*  
**AARON GREER**  
 Approval date: 10-16-13  
**CSFM# 01-15-II-0007**

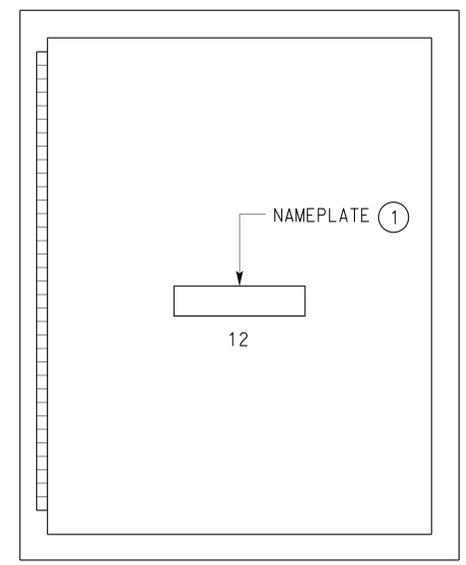
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		87	97

Reviewed by: *Jasvinder S. Sandhu* 11-05-13  
**REGISTERED ELECTRICAL ENGINEER** DATE

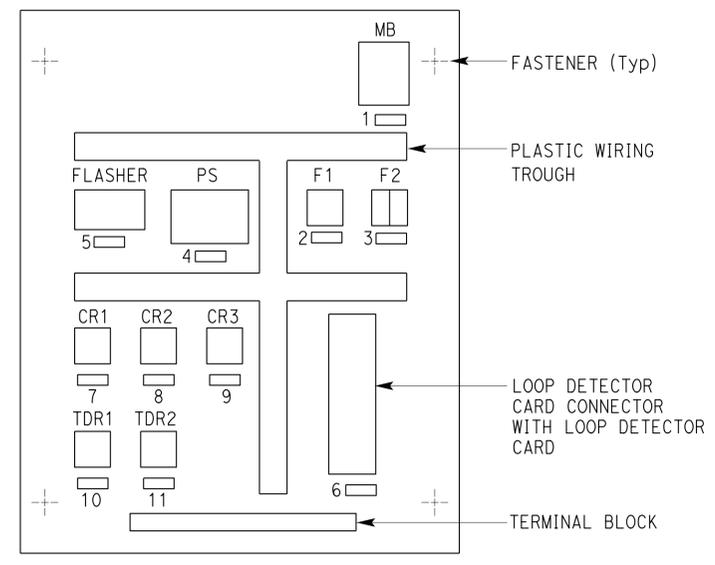
8-25-14  
**PLANS APPROVAL DATE**

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**REGISTERED PROFESSIONAL ENGINEER**  
**J. S. Sandhu**  
 No. E 11803  
 Exp. 9-30-14  
 ELEC  
 STATE OF CALIFORNIA



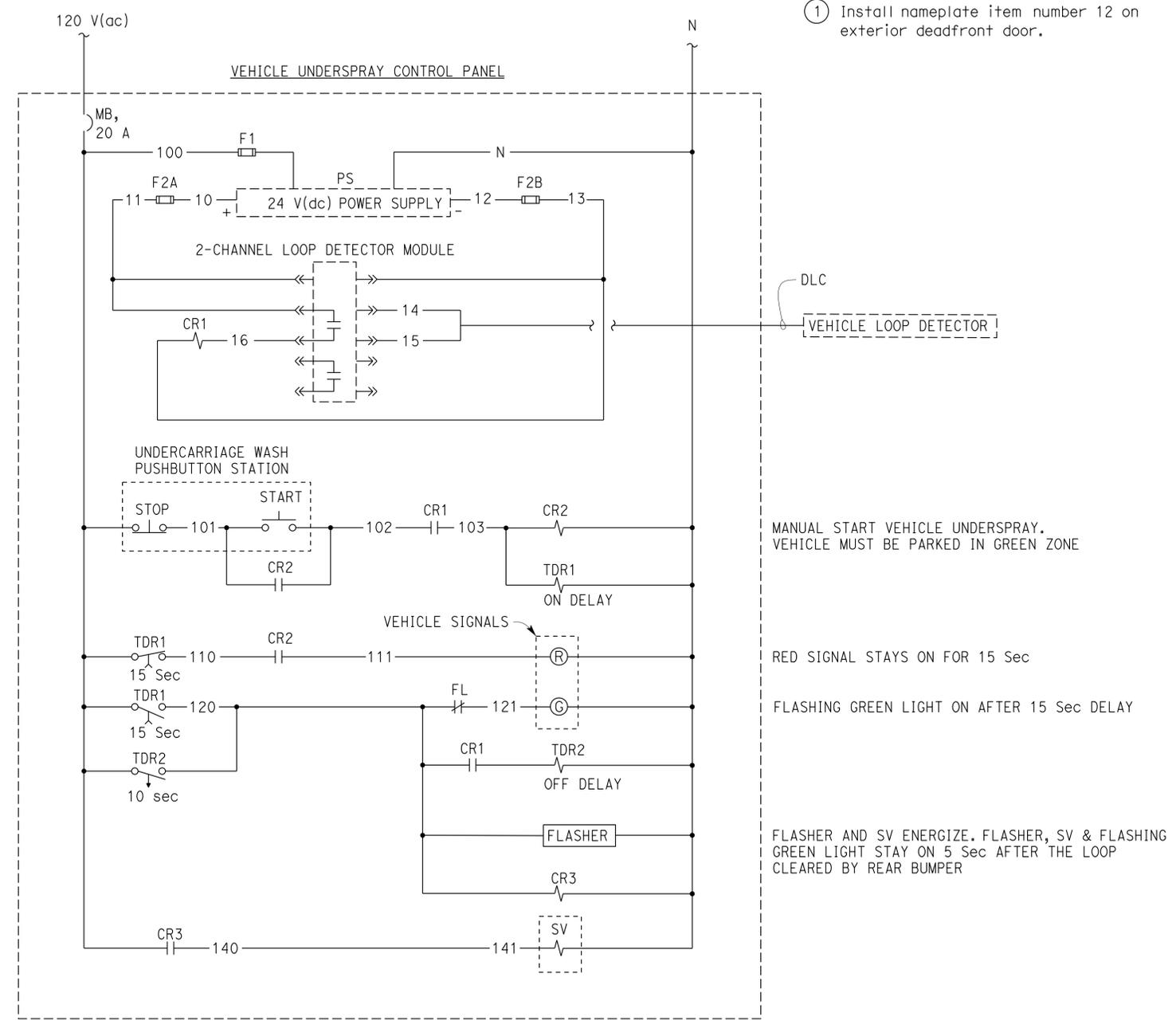
**EXTERIOR HINGED  
 DOOR MOUNTED EQUIPMENT**



**PANEL MOUNTED EQUIPMENT**

**VEHICLE UNDERSPRAY CONTROL PANEL**  
 NO SCALE

NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
1	MAIN BREAKER	1/8"
2	F1	1/8"
3	F2	1/8"
4	24 V(dc) PS	1/8"
5	FLASHER	1/8"
6	LOOP DETECTOR CARD	1/8"
7	CR1	1/8"
8	CR2	1/8"
9	CR3	1/8"
10	TDR1	1/8"
11	TDR2	1/8"
12	VEHICLE UNDERSPRAY CONTROL PANEL	1/4"



LEGEND:  
 ① Install nameplate item number 12 on exterior deadfront door.

MANUAL START VEHICLE UNDERSPRAY. VEHICLE MUST BE PARKED IN GREEN ZONE

RED SIGNAL STAYS ON FOR 15 Sec

FLASHING GREEN LIGHT ON AFTER 15 Sec DELAY

FLASHER AND SV ENERGIZE. FLASHER, SV & FLASHING GREEN LIGHT STAY ON 5 Sec AFTER THE LOOP CLEARED BY REAR BUMPER

APPROVED FOR ELECTRICAL WORK ONLY.

DESIGN	BY Steven Roy	CHECKED Jesse Sandhu
DETAILS	BY Kathi Andreasen	CHECKED Steven Roy
QUANTITIES	BY Steven Roy	CHECKED Jesse Sandhu

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 50M5725  
 POST MILE

**LEBEC MAINTENANCE STATION**  
 VEHICLE UNDERSPRAY CONTROL PANEL

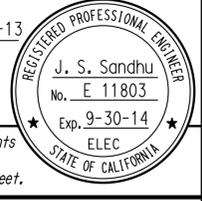
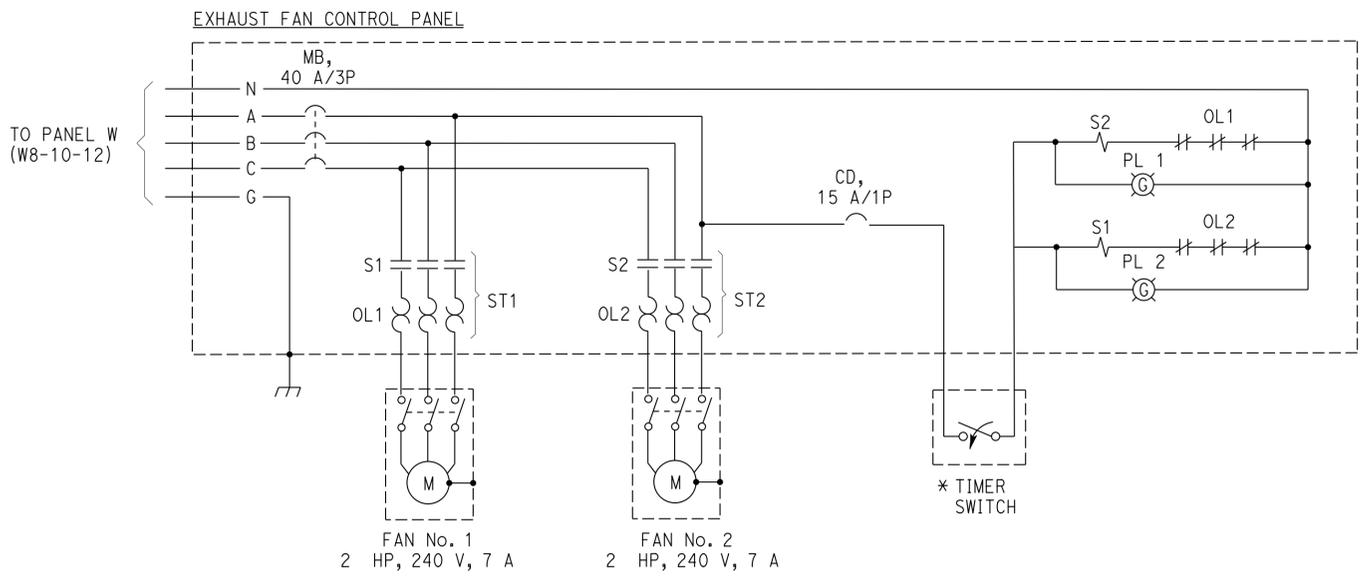
SHEET **EE2-6** OF 22

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		88	97

Jasvinder S. Sandhu 11-05-13  
 REGISTERED ELECTRICAL ENGINEER DATE

8-25-14  
 PLANS APPROVAL DATE

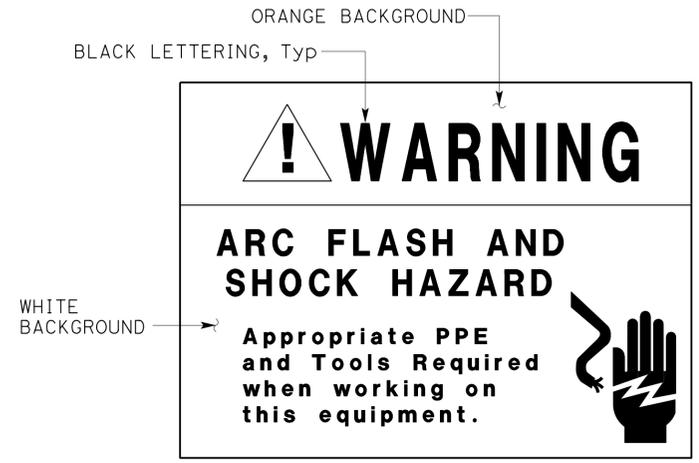
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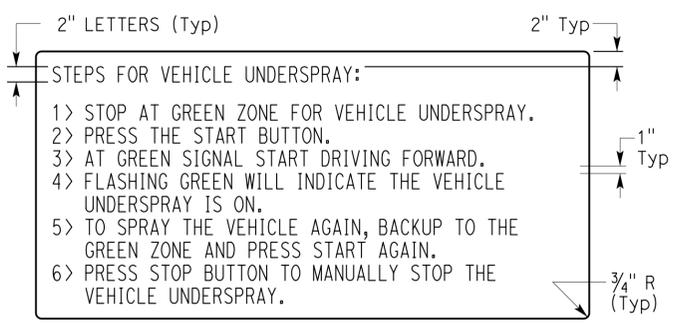
* Install warning sign near timer switch.  
 Warning sign shall read:  
 "BEFORE WASHING VEHICLES,  
 ENERGIZE EXHAUST FAN"

**1 EXHAUST FAN WIRING DIAGRAM**

- NOTES:
- A. Warning label must be constructed with high degree of chemical abrasion, heat resistance and UL recognized material.
  - B. Install Arc Flash Warning labels on the following equipment:
    - PANEL W
    - HYDRONIC HEATING PANEL
    - LIFT STATION CONTROL PANEL
    - EXHAUST FAN CONTROL PANEL
    - BOILER CONTROL PANEL
    - SLUDGE MONITORING PANEL
    - VEHICLE UNDERSPRAY CONTROL PANEL
  - C. Provide the Engineer with 15 additional warning labels for installation on existing equipment at the site.



**2 WARNING LABEL**  
 NO SCALE



**3 VEHICLE UNDERSPRAY SIGN**  
 NO SCALE

- NOTES:
1. Black letters on white background.
  2. Size as required.

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 AARON GREER  
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 CSFM# 01-15-II-0007

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				50M5725		
DETAILS BY Kathi Andreasen	CHECKED Steven Roy			POST MILE	DETAILS	
QUANTITIES BY Steven Roy	CHECKED Jesse Sandhu					
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3	UNIT: 3597 CONTRACT No.: 2W5401 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial - CCSC Rev. 01/13					04-15-13 05-15-13 06-15-13 07-15-13 08-10-13 09-27-13 11-05-13	22 22

# ABBREVIATIONS

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

# LEGEND

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

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		89	97
<u>Jerome Marcotte</u>		11-05-13		REGISTERED CIVIL ENGINEER DATE	
8-25-14		PLANS APPROVAL DATE			
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# PIPE FITTINGS AND VALVES

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

# GENERAL WORK NOTES

Verify all controlling field dimensions and conditions before ordering or fabricating any materials.

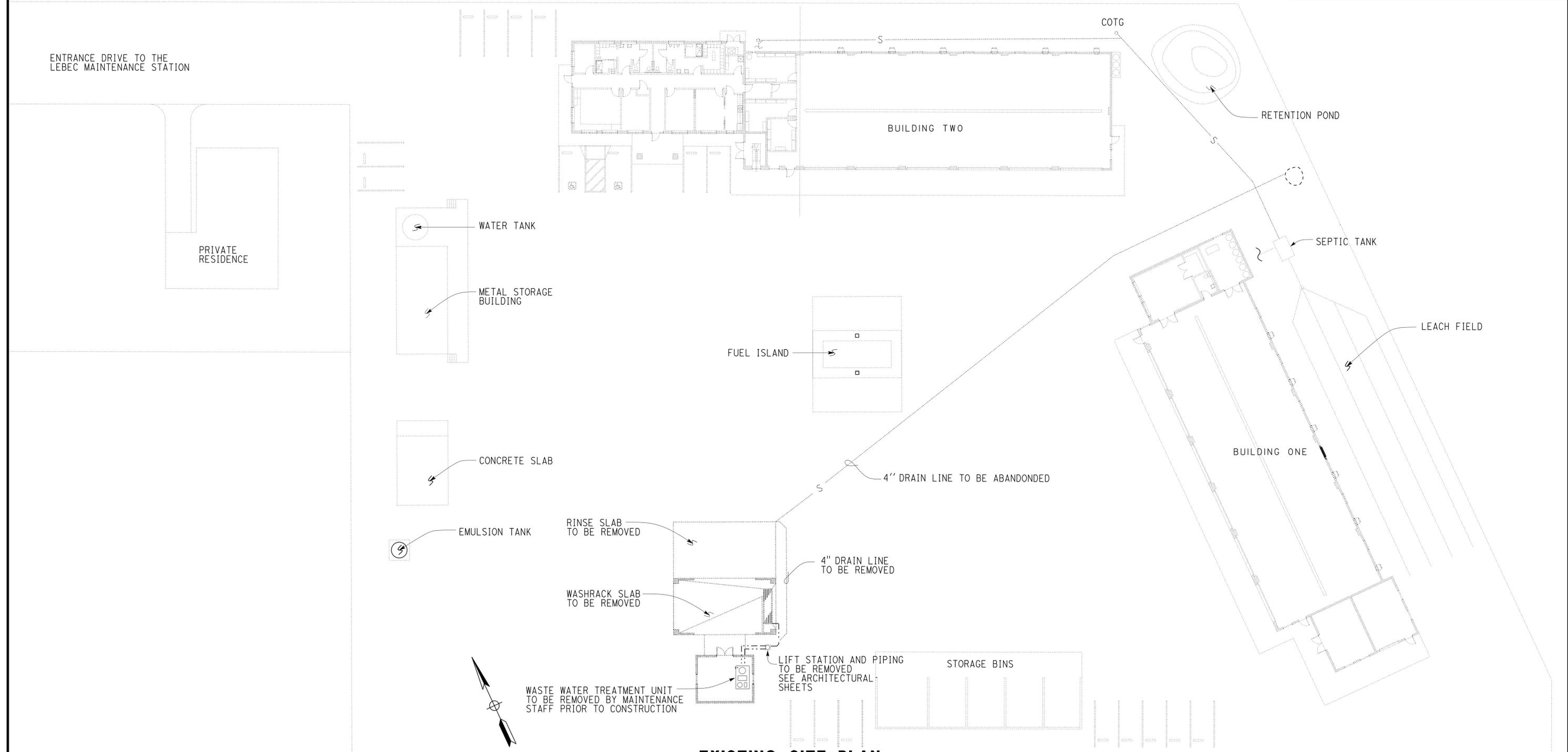
Verify exact location of all underground facilities and utilities prior to start of construction.

No 90 degree bends allowed on drain or sewer pipe. Where 90 degree bends are shown, use two 45 degree bends.

DESIGN	BY	Mark Hedglin	CHECKED	Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	50M5725	LEBEC MAINTENANCE STATION NOTES, LEGEND, AND ABBREVIATIONS	SHEET SS-0	
	DETAILS	BY	Mark Hedglin	CHECKED			Eric Schmitz	POST MILE			
	QUANTITIES	BY	Mark Hedglin	CHECKED			Eric Schmitz				
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS					0	1	2	3	UNIT: 3616 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061		
TAEWW Imperial - CCSC Rev. 01/13					DISREGARD PRINTS BEARING EARLIER REVISION DATES			REVISION DATES (PRELIMINARY STAGE ONLY)			

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 CSFM# 01-15-11-0007

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		90	97
<i>Jerome R. Marcotte</i> REGISTERED CIVIL ENGINEER			11-05-13 DATE	Jerome Marcotte No. C 36844 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA	
8-25-14			PLANS APPROVAL DATE		
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**EXISTING SITE PLAN**  
 SCALE 1" = 20'-0"

 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
	DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
	QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

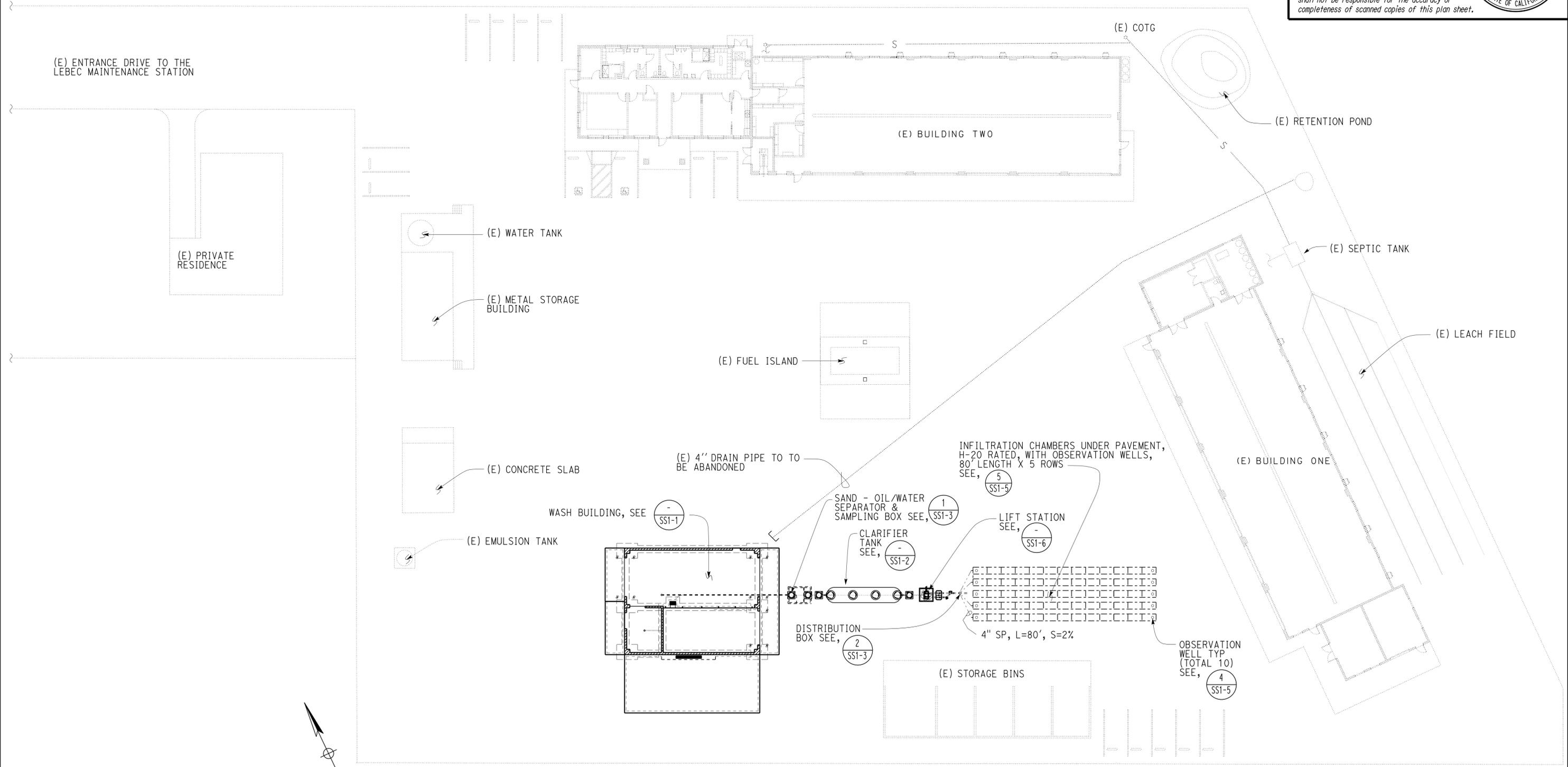
STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE No.
DEPARTMENT OF TRANSPORTATION	ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	50M5725
		POST MILE

LEBEC MAINTENANCE STATION		SHEET
EXISTING WASTE WATER SITE PLAN		SS0-1

UNIT: 3616	CONTRACT No. 07-2W5404	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
PROJECT NUMBER & PHASE: 07130002061			08/20/13, 07/22/13, 09/27/13, 11/5/13		

**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
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 Reviewed by: AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		91	97
<i>Jerome Marcotte</i> REGISTERED CIVIL ENGINEER			11-05-13 DATE	Jerome Marcotte No. C 36844 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA	
8-25-14			PLANS APPROVAL DATE		
<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>					



**SITE PLAN**

SCALE 1" = 20'-0"

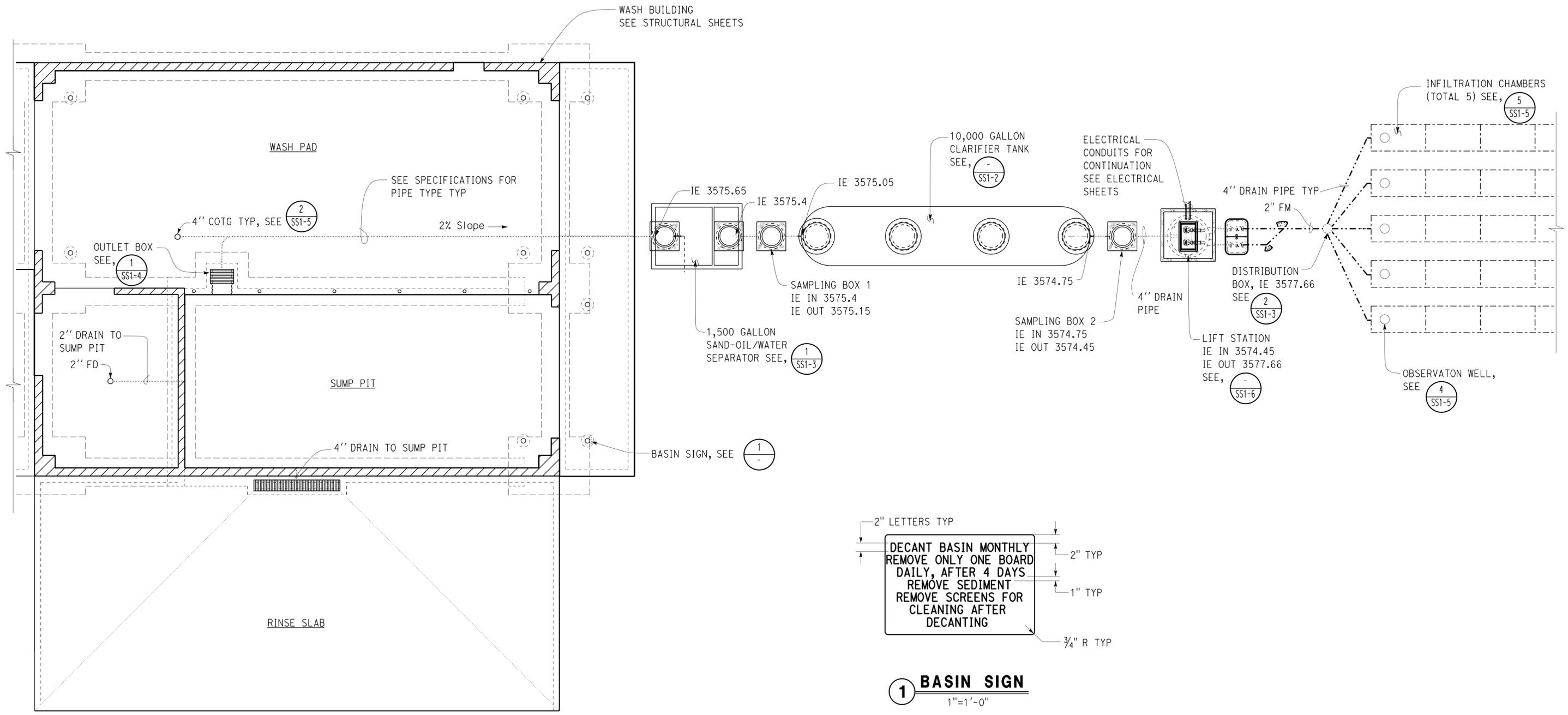
DESIGN BY Mark Hedglin CHECKED Eric Schmitz DETAILS BY Mark Hedglin CHECKED Eric Schmitz QUANTITIES BY Mark Hedglin CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	<b>LEBEC MAINTENANCE STATION</b> MODIFIED WASTE WATER SITE PLAN	SHEET <b>SS0-2</b> OF
	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3616 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 08/20/13 07/22/13 09/13 11/5/13	SHEET OF
	0 1 2 3	C:\expedite\0713000206_lebec_washrack\SS0_2.dgn			

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CSFM# 01-15-II-0007

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8-25-14 PLANS APPROVAL DATE					
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**WASTE WATER SYSTEM LAYOUT**  
 3/16" = 1'-0"

NOTES:  
 1. Red letters on white background  
 2. Sign to be 2'-0" x 3'-0"

NOTE:  
 FOR WATER PIPING AND WASH EQUIPMENT SEE MECHANICAL SHEETS.

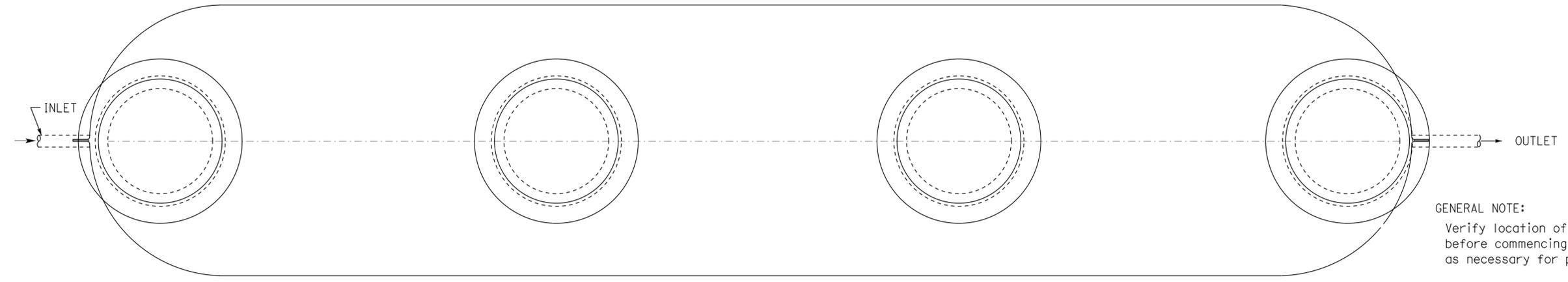
DESIGN BY Mark Hedglin CHECKED Eric Schmitz	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES	BRIDGE No. 50M5725	<b>LEBEC MAINTENANCE STATION</b> FLOOR PLAN	SHEET 92 OF 97
DETAILS BY Mark Hedglin CHECKED Eric Schmitz		ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	POST MILE		<b>SS1-1</b>
QUANTITIES BY Mark Hedglin CHECKED Eric Schmitz		UNIT: 3616 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0 1 2 3			

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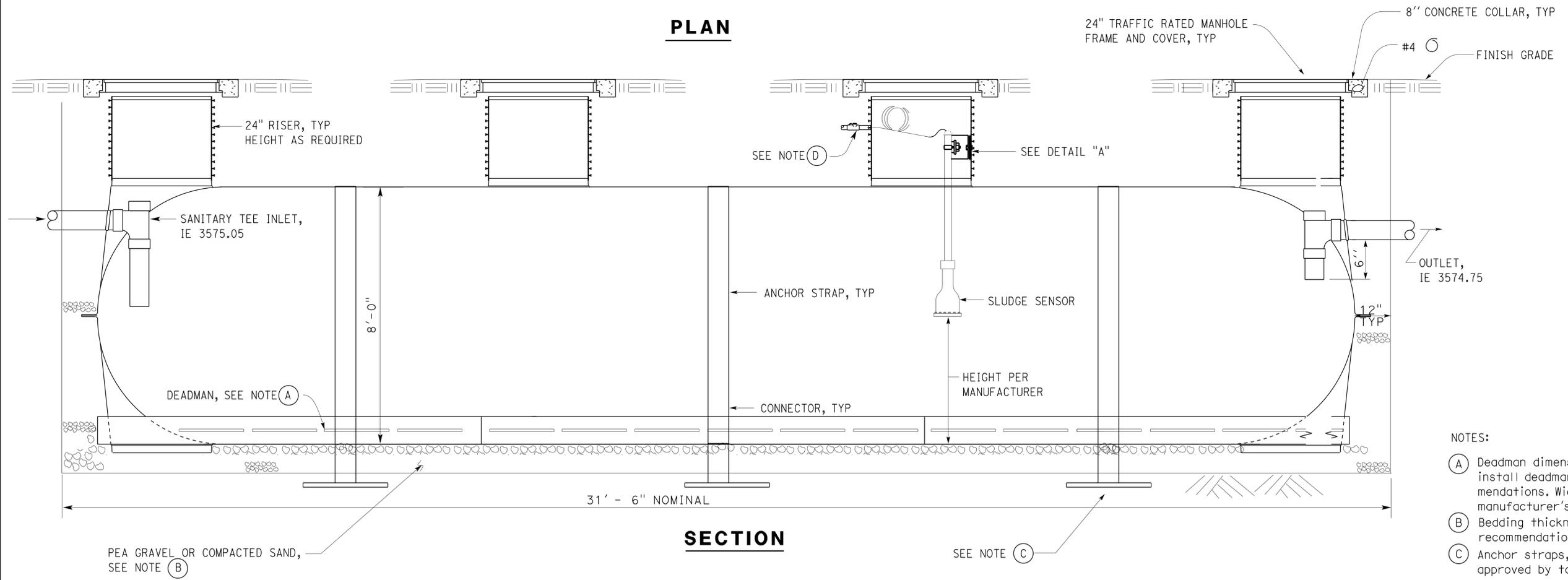
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<u>Jerome Marcotte</u> REGISTERED CIVIL ENGINEER			11-05-13 DATE	REGISTERED PROFESSIONAL ENGINEER Jerome Marcotte No. C 36844 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA	
8-25-14			PLANS APPROVAL DATE		
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**GENERAL NOTE:**  
 Verify location of underground conduits before commencing excavation. Relocate conduits as necessary for proper installation of tank.

**PLAN**



- NOTES:**
- (A) Deadman dimensions may vary by manufacturer. Install deadman per tank manufacturer's recommendations. Width and height of deadman per manufacturer's recommendation.
  - (B) Bedding thickness and depth per manufacturer's recommendation.
  - (C) Anchor straps, connectors, and deadman to be approved by tank manufacturer for use with tank.
  - (D) For electrical, see EE-sheets. Follow tank manufacturer's instructions for riser wall openings.

**1 10,000 GALLON CLARIFIER TANK**  
 No Scale

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

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

BRIDGE No.  
 50M5725  
 POST MILE

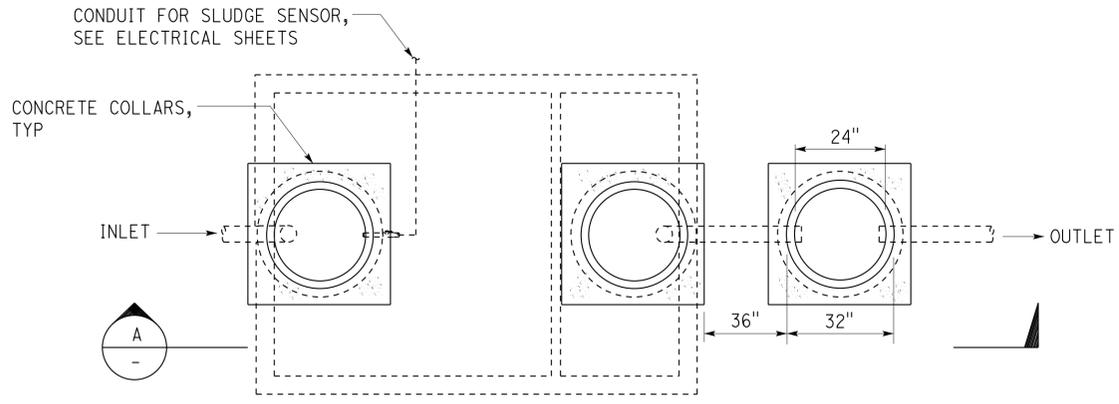
**LEBEC MAINTENANCE STATION**  
 CLARIFIER TANK DETAILS

SHEET  
**SS1-2**

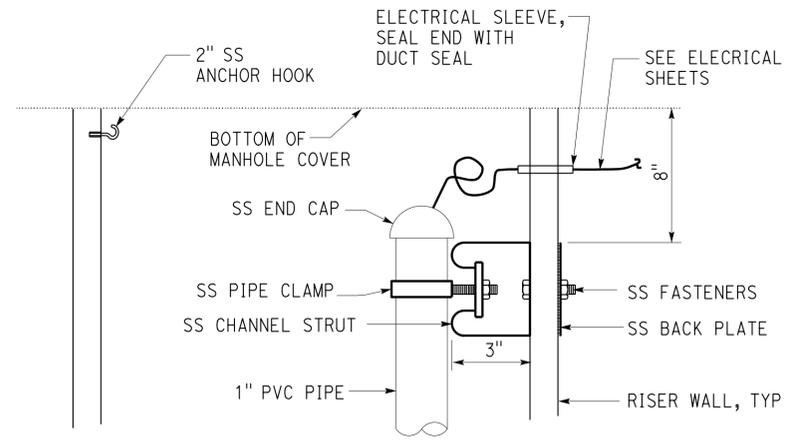
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
07	Ker	5725		94	97
<i>Jerome Marcotte</i> REGISTERED CIVIL ENGINEER		11-05-13 DATE			
8-25-14 PLANS APPROVAL DATE					
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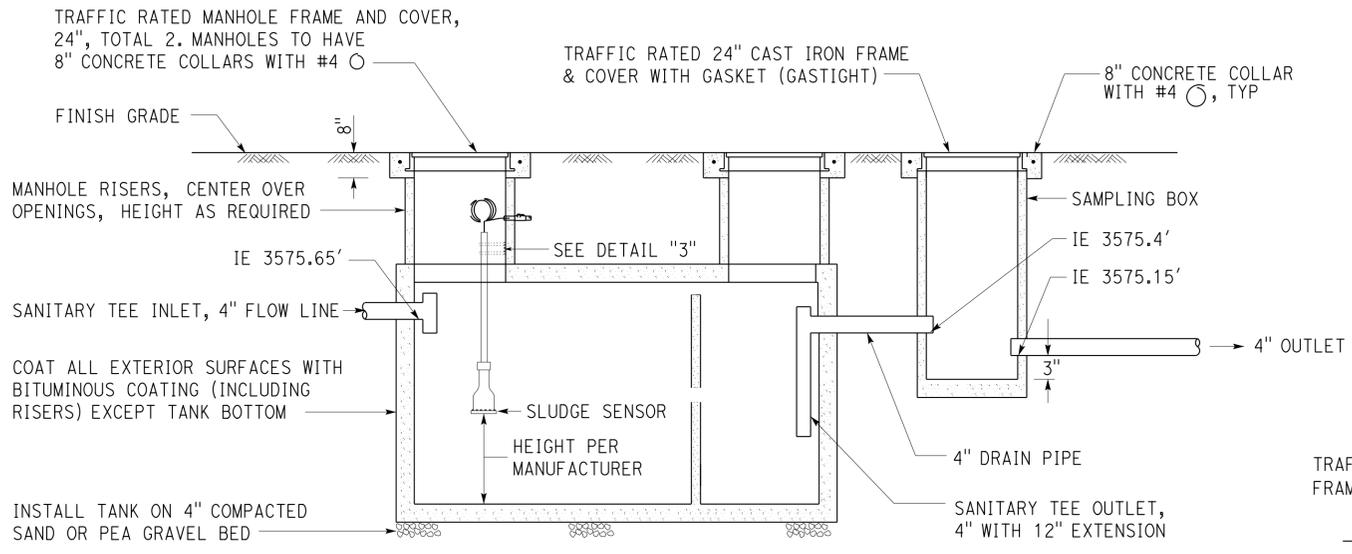
Reviewed by: *Aaron Greer*  
 AARON GREER  
 Approval date: 10-16-13  
 CSFM# 01-15-II-0007



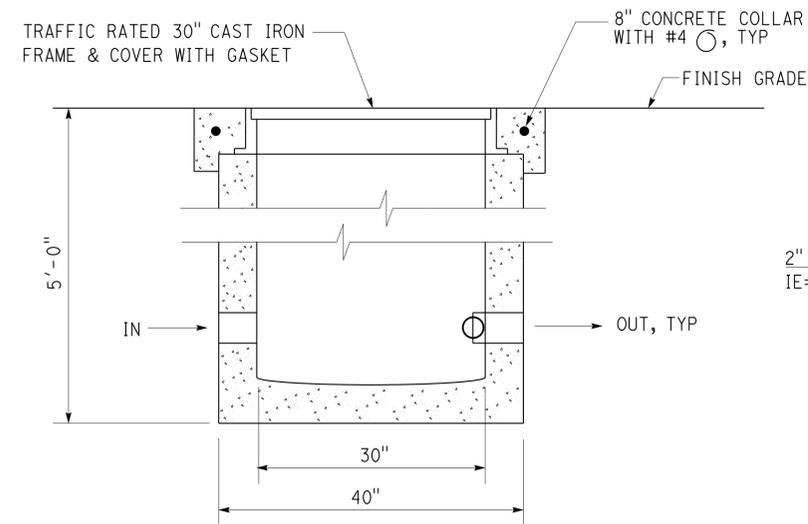
**1 1500 GALLON SAND-OIL/WATER SEPARATOR**  
 NO SCALE



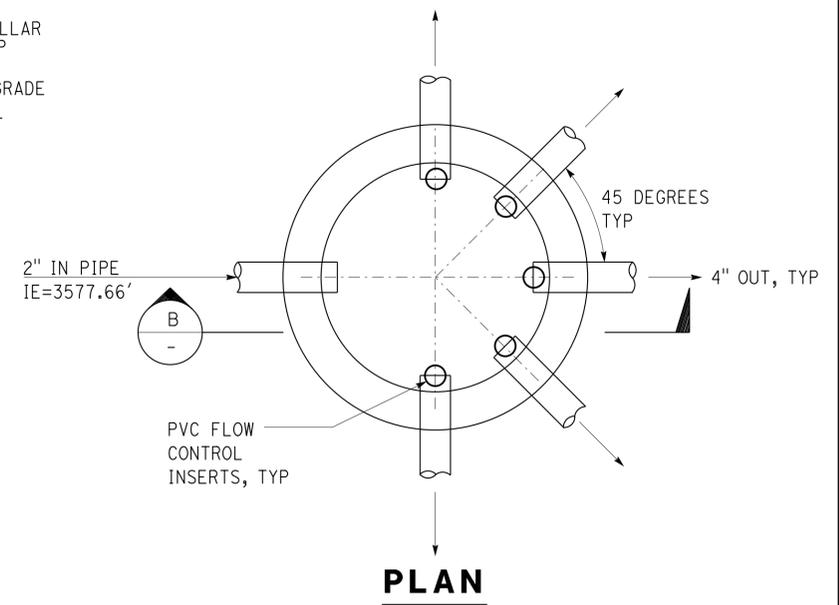
**3 SLUDGE SENSOR DETAIL**  
 NO SCALE



**A SECTION**



**B ELEVATION**



**PLAN**

**2 DISTRIBUTION BOX**  
 NO SCALE

- NOTES:
- TANK DIMENSIONS TO BE PER MANUFACTURER.
  - INSTALL ONE OIL ABSORBENT PILLOW IN THE FIRST CHAMBER OF SAND - OIL/WATER SEPARATOR.
  - ANCHOR STRAPS, CONNECTORS, AND DEADMEN TO BE APPROVED BY TANK MANUFACTURER FOR USE WITH TANK.
  - FOR ELECTRICAL, SEE EE-SHEETS. FOLLOW TANK MANUFACTURER'S INSTRUCTIONS FOR RISER WALL OPENINGS.
  - VERIFY LOCATION OF UNDERGROUND CONDUITS BEFORE COMMENCING EXCAVATION. RELOCATE CONDUITS AS NECESSARY FOR PROPER INSTALLATION OF TANKS.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

**STATE OF CALIFORNIA**  
 DEPARTMENT OF TRANSPORTATION

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

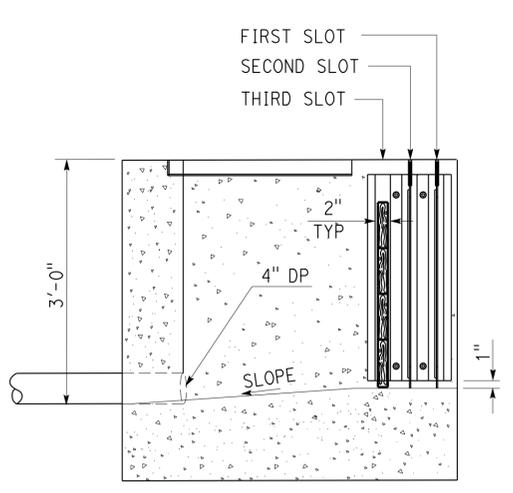
BRIDGE No. 50M5725  
 POST MILE

**LEBEC MAINTENANCE STATION**  
 1500 GALLON SAND-OIL/WATER SEPARATOR

SHEET **SS1-3** OF

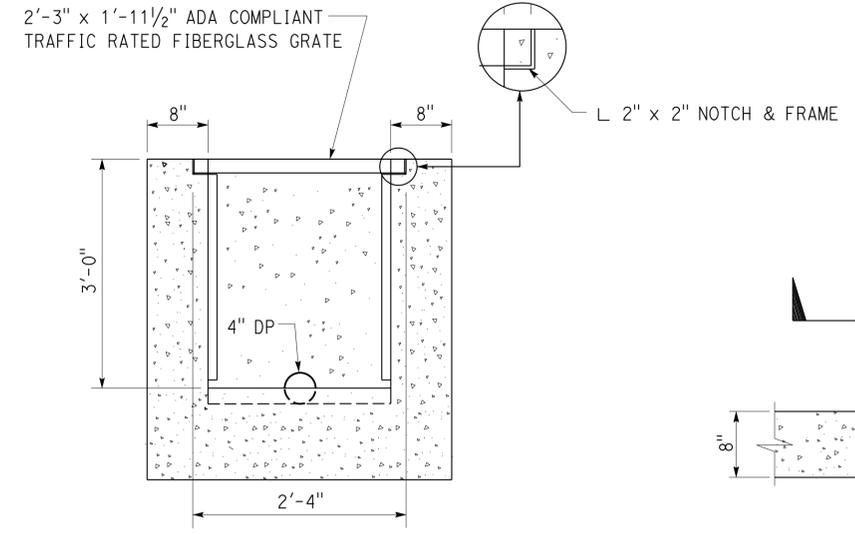
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 CSFM# 01-15-11-0007

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07	Ker	5725		95	97
<u>Jerome Marcotte</u> 11-05-13 REGISTERED CIVIL ENGINEER DATE			Jerome Marcotte No. C 36844 Exp. 06-30-14 CIVIL STATE OF CALIFORNIA		
8-25-14 PLANS APPROVAL DATE					
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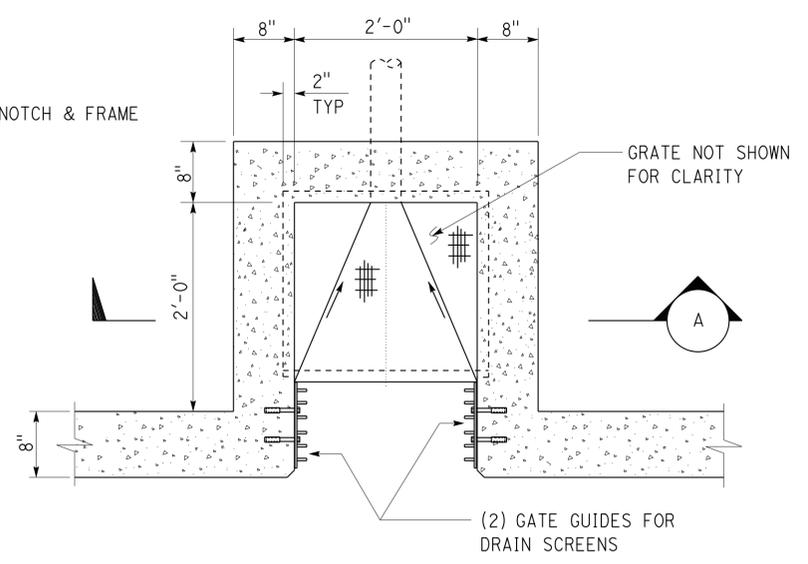
**SIDE VIEW**

NOTE:  
 FOR OUTLET BOX DETAILS, SEE

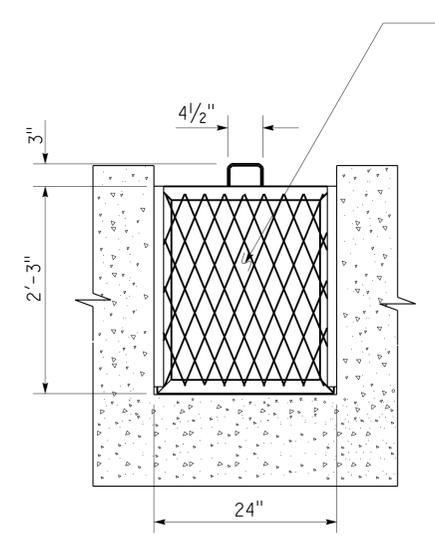


**A SECTION**

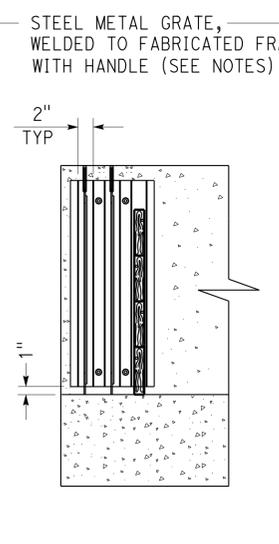
**1 OUTLET BOX**  
 1" = 1'-0"



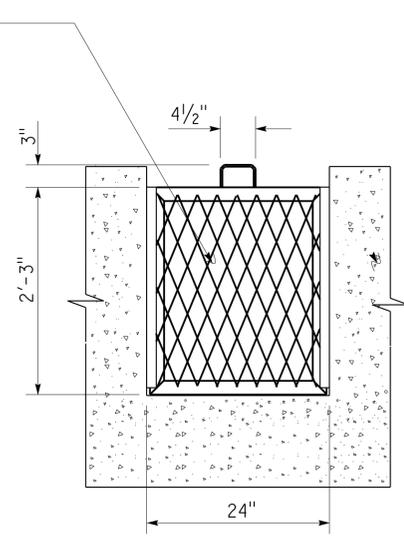
**PLAN VIEW**



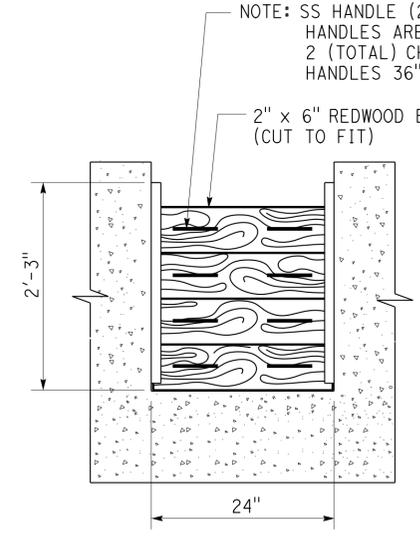
**FRONT VIEW**  
 FIRST SLOT



**SIDE VIEW**

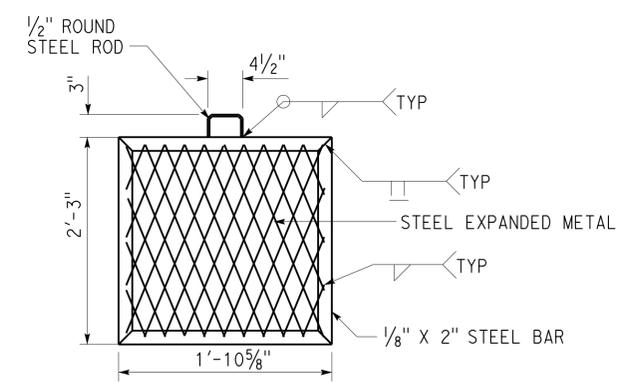


**FRONT VIEW**  
 SECOND SLOT

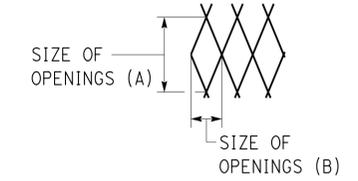


**FRONT VIEW**  
 THIRD SLOT

NOTE: SS HANDLE (2) PER BOARD (8 TOTAL) HANDLES ARE TO CLEAR SCREENS. 2 (TOTAL) CHERNE COVER HOOKS WITH 90° HANDLES 36" LONG TO BE PROVIDED.



**SCREEN FABRICATION DETAIL**  
 (TYP) FOR FIRST AND SECOND SCREENS  
 (SEE NOTES FOR OPENING SIZES)



**2 DRAIN SCREEN FILTER**  
 1" = 1'-0"

- NOTES:
- FOR FIRST SLOT, STYLE 1 1/2" #13 EXPANDED METAL, SIZE OF OPENINGS TO BE: (A) = 2 1/2" X (B) = 1 3/8"
  - FOR SECOND SLOT, STYLE 3/4" #13 EXPANDED METAL, SIZE OF OPENINGS TO BE: (A) = 1 1/8" X (B) = 3/4"
  - FILTER SCREENS TO BE HOT DIPPED GALVANIZED AFTER FABRICATION.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz

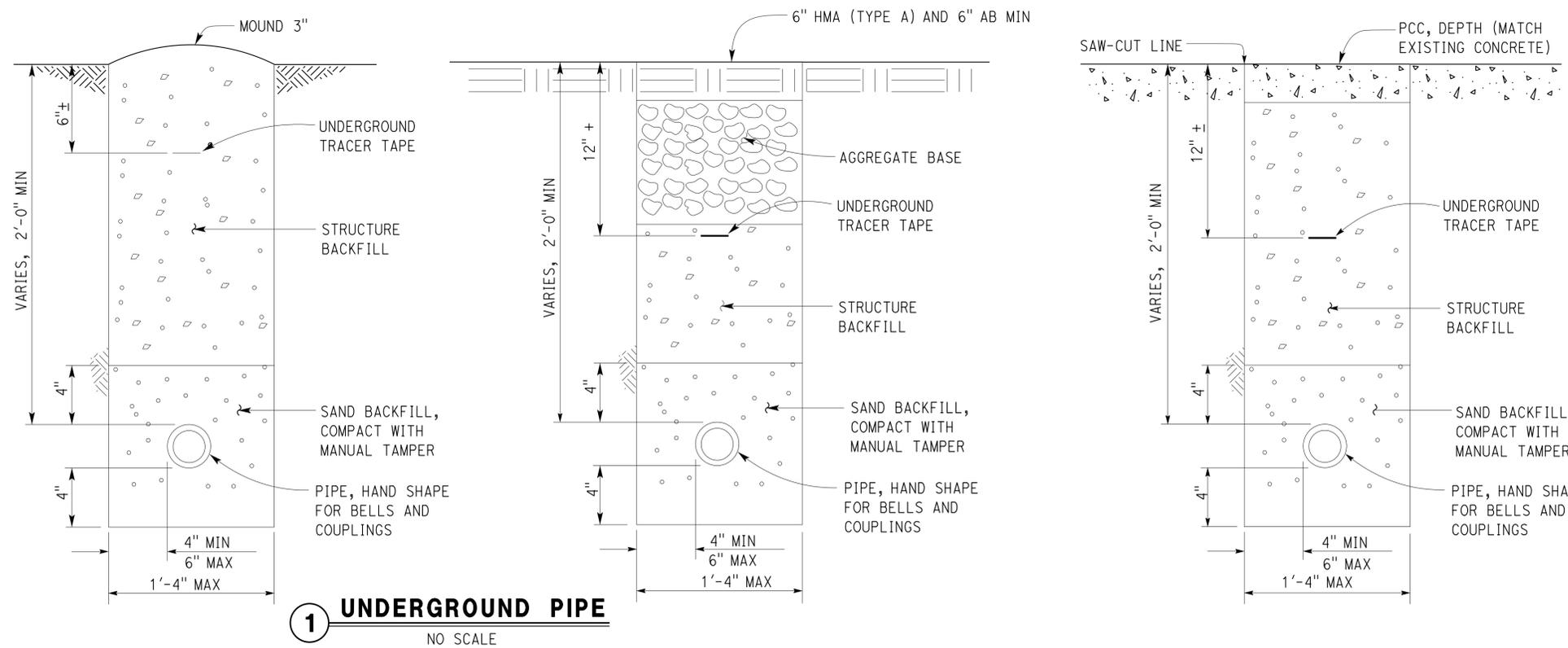
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 50M5725  
 POST MILE

LEBEC MAINTENANCE STATION  
 OUTLET BOX

SHEET SS1-4 OF



**1 UNDERGROUND PIPE**  
NO SCALE

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Approval date: 10-16-13  
CSFM# 01-15-II-0007

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07	Ker	5725		96	97

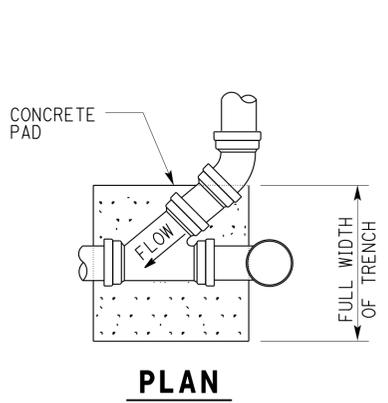
11-05-13  
DATE

8-25-14  
PLANS APPROVAL DATE

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**Jerome Marcotte**  
REGISTERED PROFESSIONAL ENGINEER  
No. C 36844  
Exp. 06-30-14  
CIVIL  
STATE OF CALIFORNIA

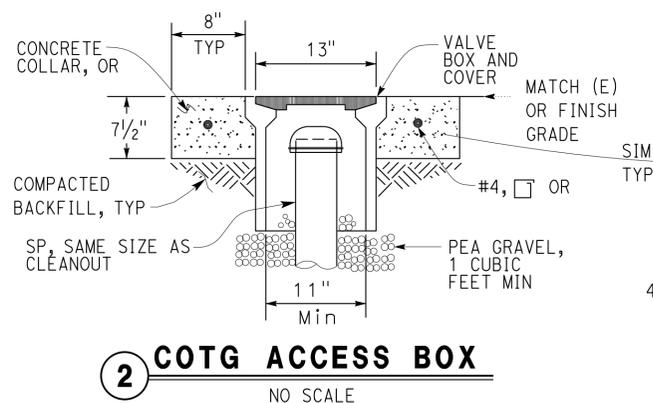
ACCEPTABLE FILL MATERIAL		
MATERIAL LOCATION	DESCRIPTION	COMPACTION DENSITY REQUIREMENT
(A)	CLEAN, CRUSHED, ANGULAR STONE, Nom. SIZE DISTRIBUTION 1 1/2"-2"	95% COMPACTION
(B)	CLEAN, CRUSHED, ANGULAR STONE, Nom. SIZE DISTRIBUTION 1 1/2"-2"	NO COMPACTION REQUIRED
(C)	GRANULAR WELL-GRADED SOIL/ AGGREGATE MIXTURES <35% FINES	BEGIN COMPACTION AFTER 12" OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" MAX LIFTS TO A MIN 95% COMPACTION ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 LBS. DYNAMIC FORCE NOT TO EXCEED 20,000 LBS.
(D)	AGGREGATE BASE	95% COMPACTION



**PLAN**

**3 CLEANOUT (AT BEND)**  
NO SCALE

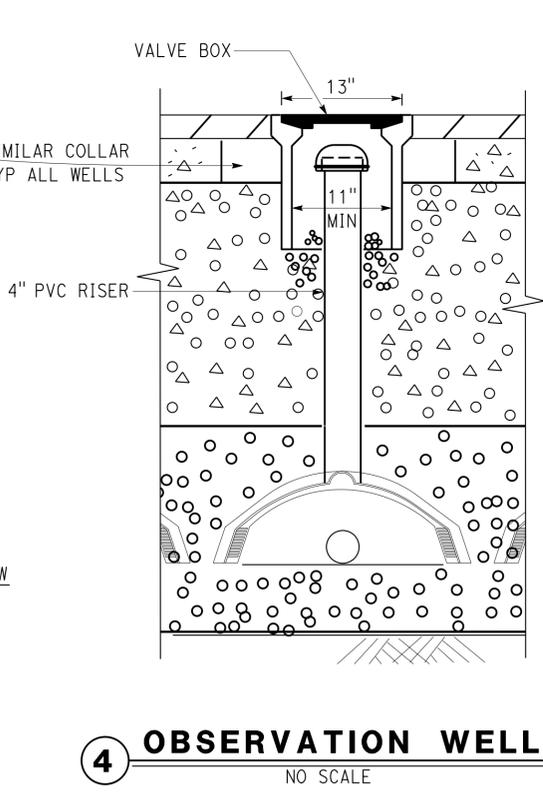
**ELEVATION**



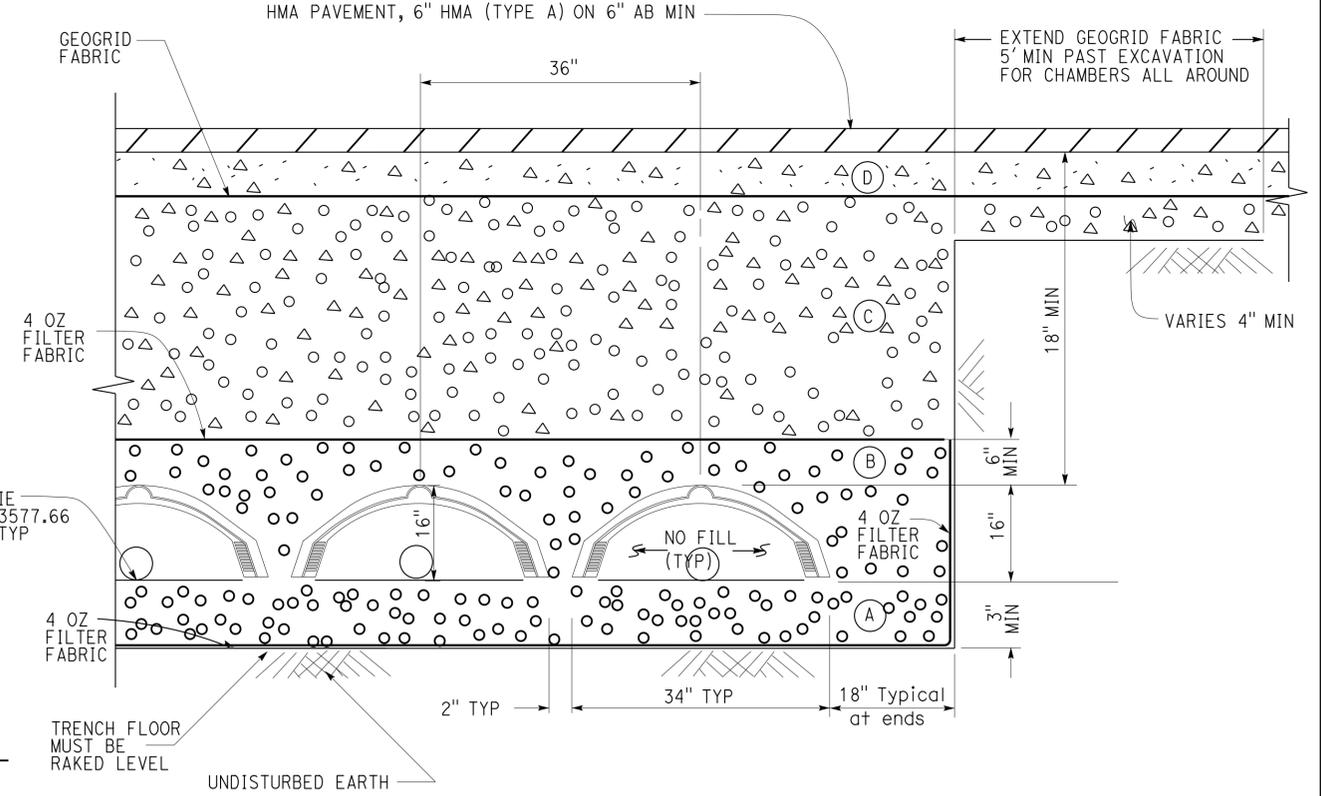
**ELEVATION**

**2 COTG ACCESS BOX**  
NO SCALE

**PLAN**



**4 OBSERVATION WELL**  
NO SCALE



**5 INFILTRATION CHAMBERS**  
NO SCALE

NOTE:  
PLACE 2 PER INFILTRATION CHAMBER, ONE IN THE CENTER AND ONE AT THE END OF EACH CHAMBER.

DESIGN	BY Mark Hedglin	CHECKED Eric Schmitz	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	<b>LEBEC MAINTENANCE STATION</b>  DETAILS	SHEET	
DETAILS	BY Mark Hedglin	CHECKED Eric Schmitz			50M5725		POST MILE	<b>SS1-5</b>
QUANTITIES	BY Mark Hedglin	CHECKED Eric Schmitz						

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

UNIT: 3616 CONTRACT No. 07-2W5404 PROJECT NUMBER & PHASE: 07130002061

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY): 08/01/13, 09/20/13, 07/11/13, 09/11/13, 11/5/13

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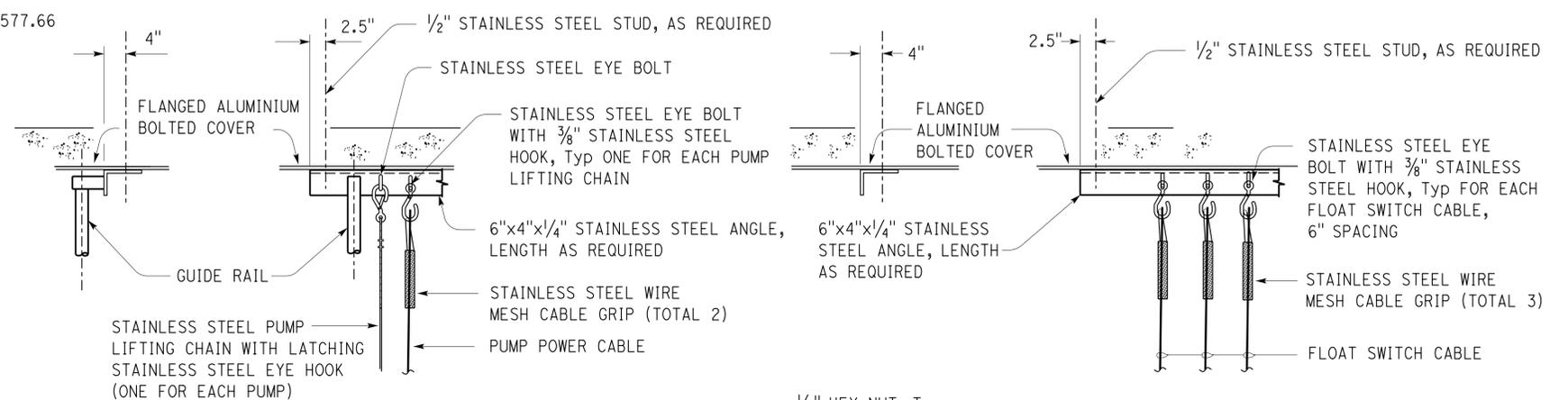
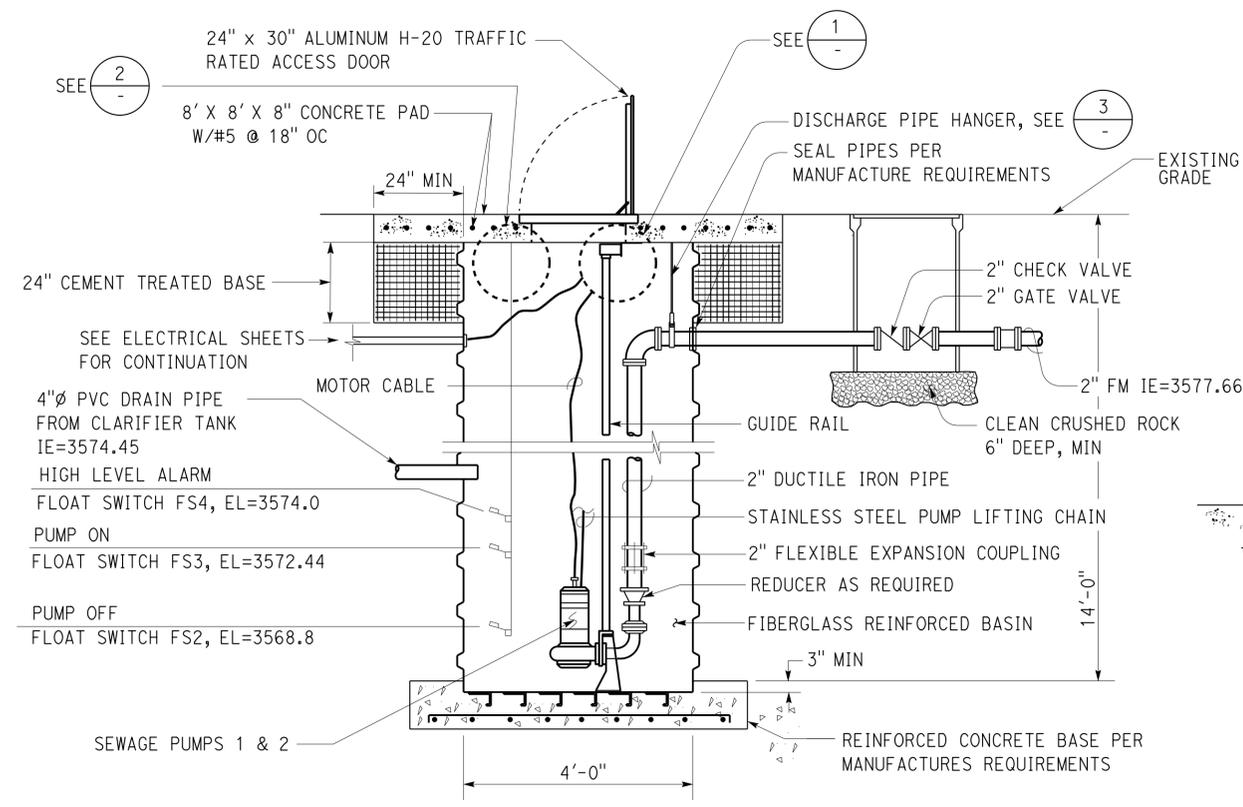
11-05-13  
 REGISTERED CIVIL ENGINEER DATE

8-25-14  
 PLANS APPROVAL DATE

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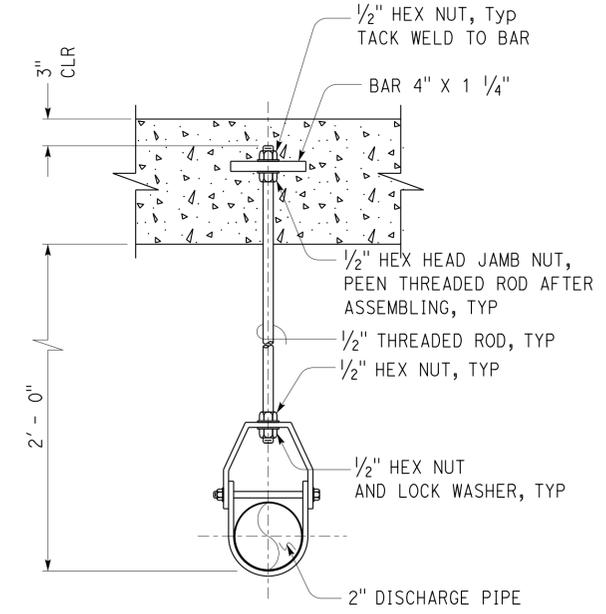
REGISTERED PROFESSIONAL ENGINEER  
 Jerome Marcotte  
 No. C 36844  
 Exp. 06-30-14  
 CIVIL  
 STATE OF CALIFORNIA

EQUIPMENT	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (FT)	HP	VOLTS	PHASE
SEWAGE PUMP (NO. 1 & 2)	20 30 62	10 5 3	1/3	208	3



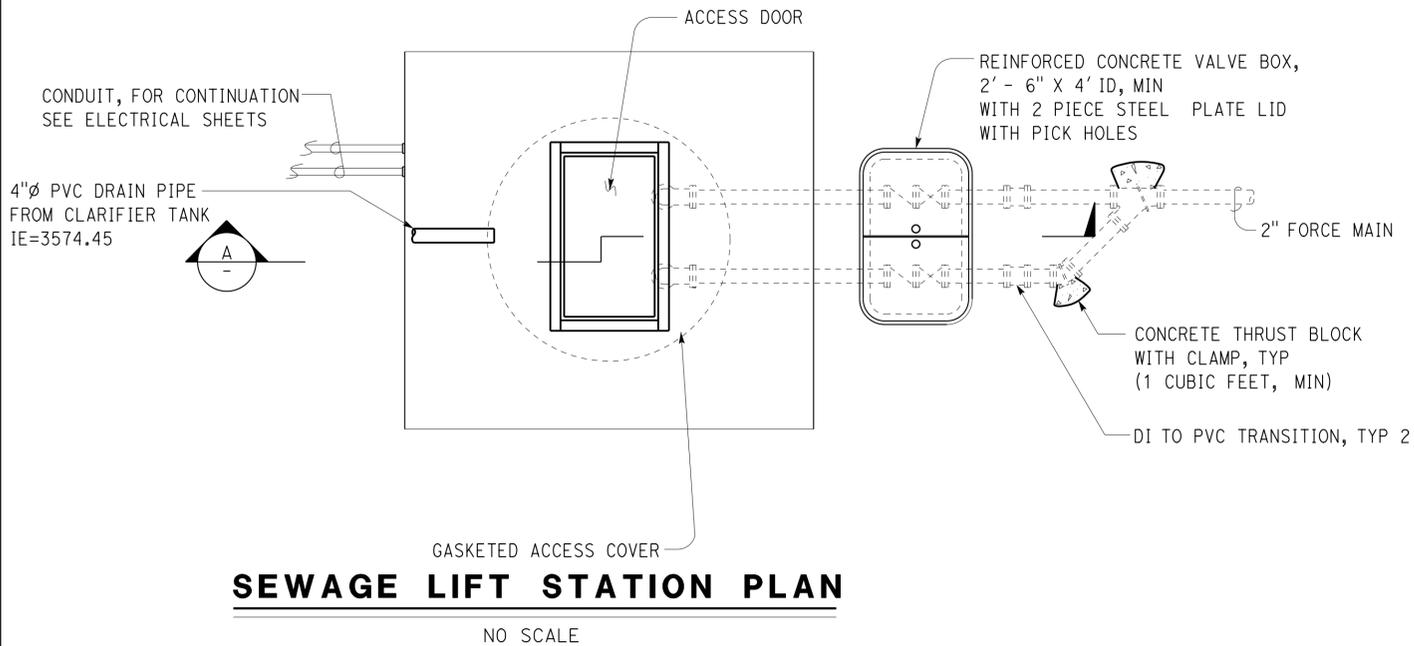
**1 SECTION**  
NO SCALE

**2 SECTION**  
NO SCALE



**3 PIPE HANGER DETAIL**

- NOTES:
- Discharge pipe hanger must be stainless steel.
  - All fasteners to concrete, aluminum and fiberglass must be devices with stainless steel threaded stud, hex nut and flat washer. Size as shown.
  - Cable length must be continuous from motor and floats to controls without splices.
  - Guide rail per pump manufacturer's recommendation.
  - Pumping station grades are based on inlet grades. If inlet elevation changes, adjust grades as per the Engineer's instructions.



**SEWAGE LIFT STATION PLAN**  
NO SCALE

DESIGN BY Mark Hedglin CHECKED Eric Schmitz	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 50M5725 POST MILE	LEBEC MAINTENANCE STATION LIFT STATION DETAILS	SHEET 991-6 OF
DETAILS BY Mark Hedglin CHECKED Eric Schmitz		UNIT: 3616 CONTRACT No. 07-2W5401 PROJECT NUMBER & PHASE: 0713000206	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY Mark Hedglin CHECKED Eric Schmitz		ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	REVISION DATES (PRELIMINARY STAGE ONLY)		

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