

INDEX OF PLANS

SHEET No.	DESCRIPTION
1	TITLE AND LOCATION MAP
2	CONSTRUCTION DETAILS AND QUANTITIES
3	REVISED STANDARD PLAN

BUILDING PLANS

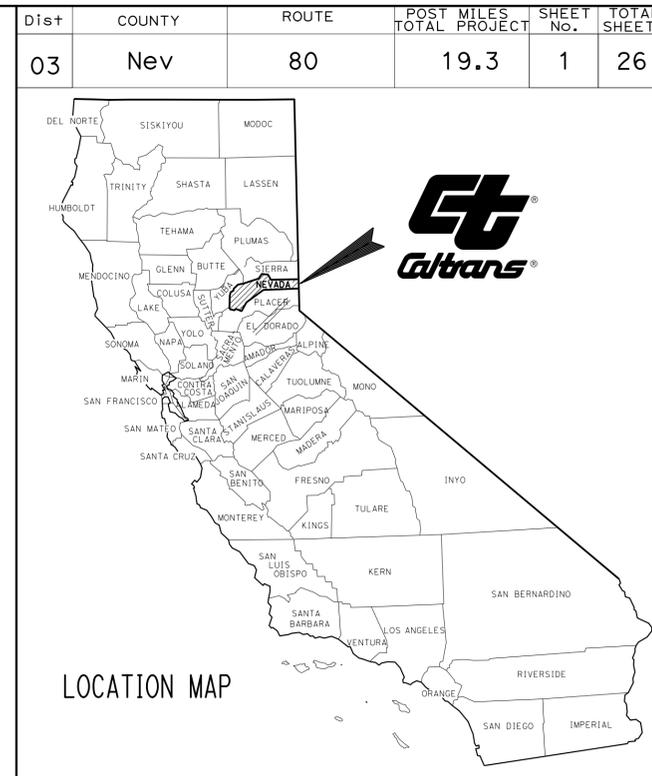
4	GENERAL
5-12	ARCHITECTURAL
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18-22	ELECTRICAL
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THE STANDARD PLANS LIST APPLICABLE TO THIS CONTRACT IS INCLUDED IN THE NOTICE TO BIDDERS AND SPECIAL PROVISIONS BOOK.

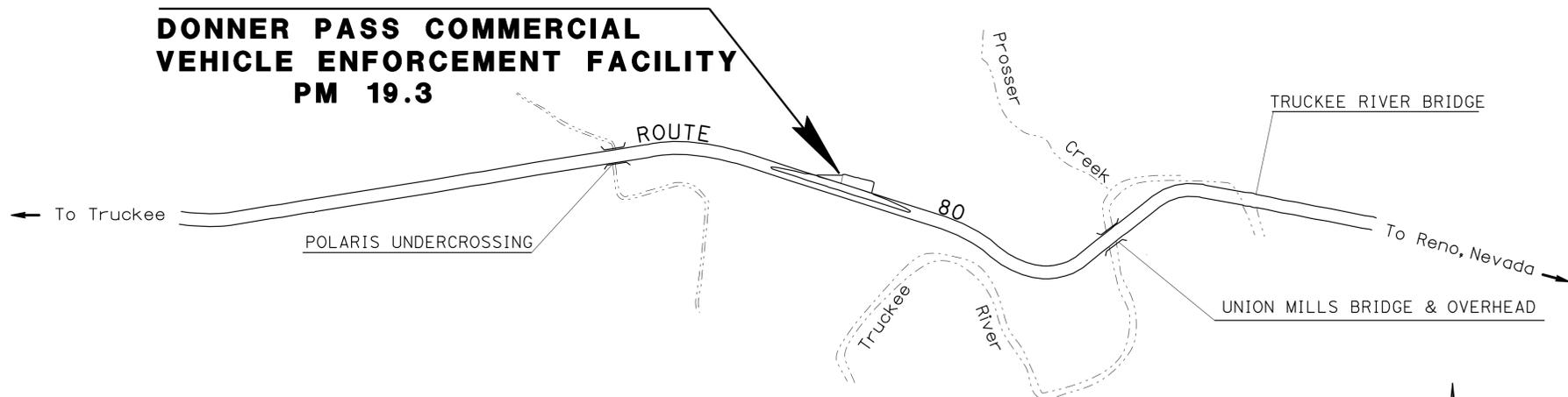
STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR CONSTRUCTION ON  
STATE HIGHWAY  
IN NEVADA COUNTY AT DONNER  
AT THE DONNER PASS COMMERCIAL  
VEHICLE ENFORCEMENT FACILITY

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2010



LOCATION OF CONSTRUCTION  
DONNER PASS COMMERCIAL  
VEHICLE ENFORCEMENT FACILITY  
PM 19.3

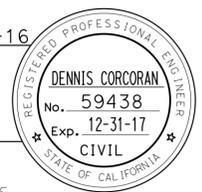


NO SCALE



PROJECT MANAGER	NAJ DAKAK
DESIGN MANAGER	MIKE HAGEN

*Dennis J. Corcoran* 2-22-16  
PROJECT ENGINEER DATE  
REGISTERED CIVIL ENGINEER



February 22, 2016  
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.	03-OH1804
PROJECT ID	0315000090

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

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION  
**Caltrans** TRAFFIC SAFETY

FUNCTIONAL SUPERVISOR: MIKE HAGEN

DESIGNED BY: DENNIS CORCORAN  
 CHECKED BY: DAVINDER MINHAS

REVISIONS:

NO.	DATE	BY	REVISION

- NOTES:**
1. THE LOCATIONS OF WORK ARE FLEXIBLE AND MAY BE ADJUSTED TO MITIGATE ANY CONFLICTS WITH EXISTING UTILITY FACILITIES PER THE ENGINEER'S DIRECTIONS. EXISTING UTILITES FACILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
  2. FOR ACCURATE RIGHT OF WAY DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
  3. SEE BUILDING PLANS FOR CONSTRUCTION WORK NOT SHOWN.

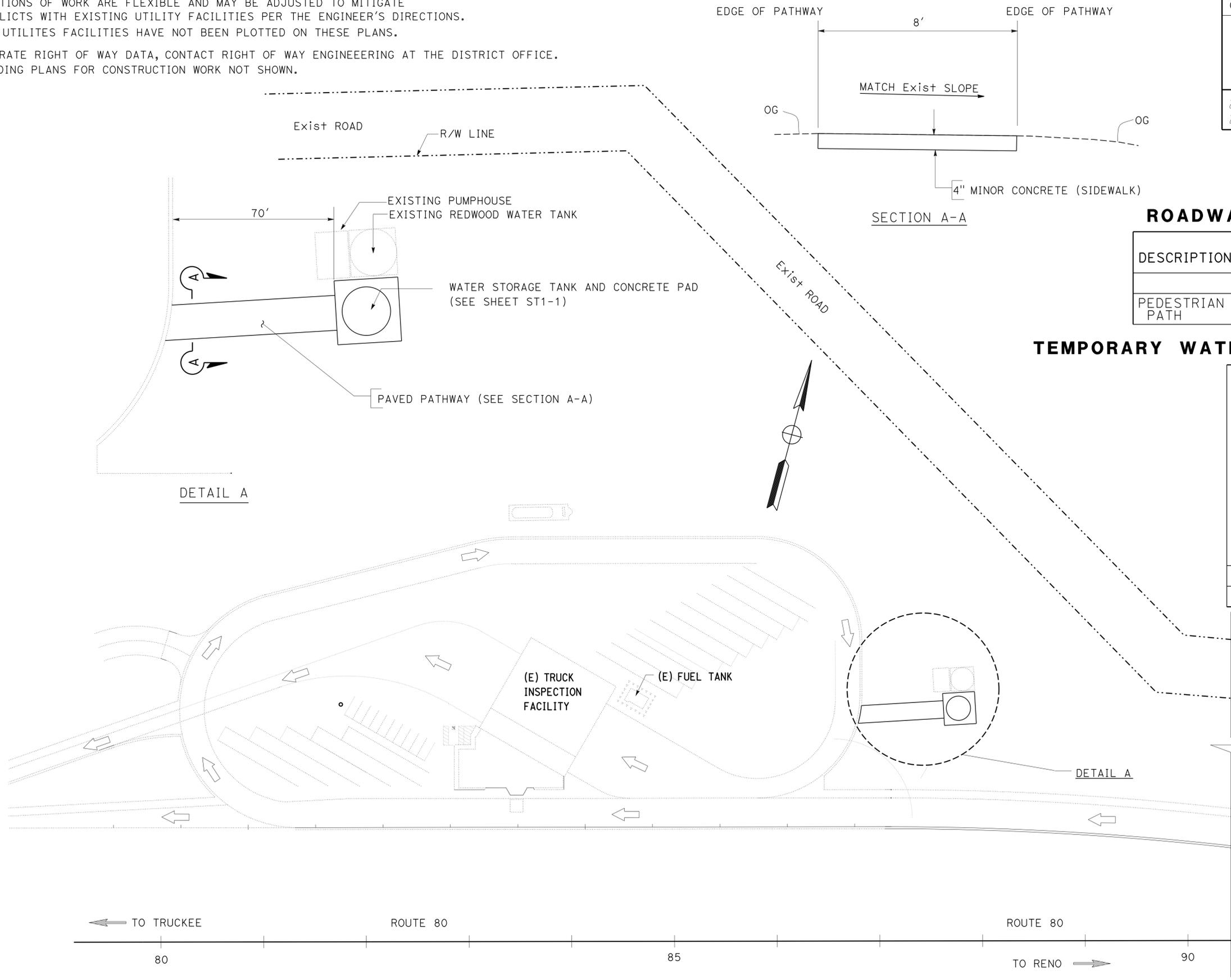
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	2	26

*Dennis G. Corcoran* 2-22-16  
 REGISTERED CIVIL ENGINEER DATE

2-22-16  
 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  
 DENNIS CORCORAN  
 No. 59438  
 Exp. 12/31/17  
 CIVIL  
 STATE OF CALIFORNIA



**ROADWAY QUANTITIES**

DESCRIPTION	MINOR CONCRETE (SIDEWALK) CY	ROADWAY EXCAVATION CY
PEDESTRIAN PATH	7	7

**TEMPORARY WATER POLLUTION CONTROL**

LOCATION	TEMPORARY FIBER ROLL LF
Nev-80 (WB) PM 19.3	48
<b>TOTAL</b>	<b>48</b>

**CONSTRUCTION DETAILS & QUANTITIES**  
 (PAVED PATHWAY TO WATER STORAGE TANK) NO SCALE **C-1**

LAST REVISION DATE PLOTTED => 29-FEB-2016 02-29-16 TIME PLOTTED => 16:27

	<b>M</b>	
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	
	<b>N</b>	
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	
	<b>O</b>	
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	
	<b>P</b>	
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	

	<b>P continued</b>	
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	
	<b>Q</b>	
Qty	QUANTITY	
	<b>R</b>	
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	

	<b>S</b>	
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	
	<b>T</b>	
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	

	<b>T continued</b>	
TS	TRANSVERSE, TRAFFIC SIGNAL, TUBULAR STEEL	
Typ	TYPICAL	<b>U</b>
UC	UNDERCROSSING	
UD	UNDERDRAIN	
UG	UNDERGROUND	
UON	UNLESS OTHERWISE NOTED	
UP	UNDERPASS	<b>V</b>
V	VALVE, DESIGN SPEED	
Var	VARIABLE, VARIES	
VC	VERTICAL CURVE	
VCP	VITRIFIED CLAY PIPE	
Vert	VERTICAL	
Via	VIADUCT	
Vol	VOLUME	<b>W</b>
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	<b>X</b>
X Sec	CROSS SECTION	
Xing	CROSSING	<b>Y</b>
Yr	YEAR	
Yrs	YEARS	

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	3	26
<i>Grace M. Tsushima</i> REGISTERED CIVIL ENGINEER					
July 19, 2013 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



TO ACCOMPANY PLANS DATED 2-22-16

**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 <sup>3</sup> , pcf	POUNDS PER CUBIC FOOT
tsf	TONS PER SQUARE FOOT
mph, MPH *	MILES PER HOUR
ø	NOMINAL DIAMETER
oz	OUNCE
lb	POUND
kíp	1,000 POUNDS
cal	CALORIE
ft	FOOT OR FEET
gal	GALLON

\* For use on a sign panel only

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ABBREVIATIONS  
(SHEET 2 OF 2)**

NO SCALE

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

2010 REVISED STANDARD PLAN RSP A10B

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	4	26

*DOUG LOWE* 06-19-15  
 LICENSED ARCHITECT DATE  
 02-22-16  
 PLANS APPROVAL DATE

**LICENSED ARCHITECT**  
 DOUG LOWE  
 No. C-15341  
 06-30-17  
 RENEWAL DATE  
 STATE OF CALIFORNIA

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

**ACCESSIBILITY DESIGN APPROVAL**  
 DOT / DES / OTA

PROJECT ID  
**0315000901**  
**\*EXEMPT\***

Reviewed by: *Y. A. WANG*  
 Date: 05-29-15

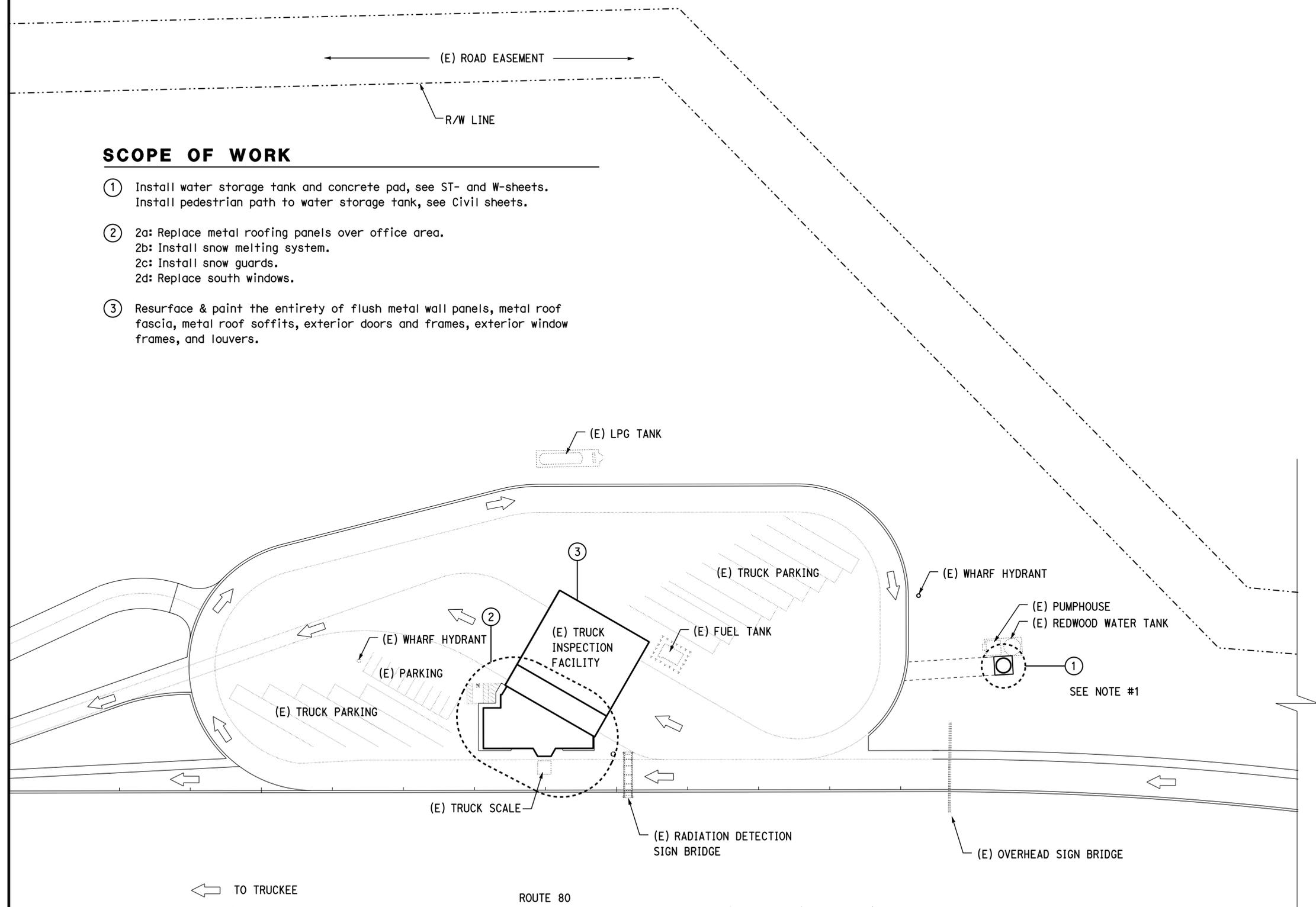
**CALIFORNIA STATE FIRE MARSHAL APPROVED**  
 Approval of this plan does not authorize or approve any omission or deviation from applicable regulations. Final approval is subject to field inspection. One set of approved plans shall be available on the project site at all times.

Reviewed by: *GARY BLUMENTHAL*  
 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

\* PER 2013 CBC SECTION 11B-202.4 EXEMPTION 7, AND 2010 ADA STDS 28 CFR SECTION 35.151 (b)(4)(i)(A)&(B). ALSO, REFER TO STD. EXEMPTION DOC. ON FILE FOR APPLICABLE ELEMENTS EXEMPT FROM ACCESS COMPLIANCE.

**SCOPE OF WORK**

- ① Install water storage tank and concrete pad, see ST- and W-sheets. Install pedestrian path to water storage tank, see Civil sheets.
- ② 2a: Replace metal roofing panels over office area.  
 2b: Install snow melting system.  
 2c: Install snow guards.  
 2d: Replace south windows.
- ③ Resurface & paint the entirety of flush metal wall panels, metal roof fascia, metal roof soffits, exterior doors and frames, exterior window frames, and louvers.



**NOTE**

1. The locations of work are flexible and may be adjusted to mitigate any conflicts with existing utility facilities per the Engineer's directions.
- Existing utility facilities are not shown on building plans. Verify and tag existing utilities before start of work.

**FACILITY SITE PLAN**

NO SCALE

DESIGN SUPERVISOR <i>RE Train</i> DESIGN ARCHITECT <i>DOUG LOWE</i>	DESIGNER D A Lowe	CHECKED BY: A CHUNG	SHEET LEGEND A-1 ARCHITECTURAL ST-1 STRUCTURAL M-1 MECHANICAL EE-1 ELECTRICAL MP-1 PLUMBING SS-1 SANITARY	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 17W0002	DONNER PASS CVEF REHABILITATION	SHEET GP
	DRAINED BY S W Yeh	STRUCTURAL REVIEW D A Lowe				POST MILE 19.3		
TAEWW Imperial - CCSC Rev. 04/14			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3	UNIT: 3584 CONTRACT No.: 03-OH1804 PROJECT NUMBER & PHASE: 0315000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY) 01-23-15 03-27-15 06-15-15	SHEET OF	

# INDEX TO PLANS

## GENERAL

GP GENERAL PLAN

## ARCHITECTURAL

A0-1 INDEX & BUILDING CODE DATA  
 A0-2 ARCHITECTURAL ABBREVIATIONS, SYMBOLS  
 A0-3 EXISTING/REMOVAL SITE PLAN  
 A0-4 COLOR SCHEDULE  
 A0-5 WINDOW SCHEDULE AND DETAILS

A1-0 EXISTING/REMOVAL ROOF PLAN AND ELEVATIONS  
 A1-1 ROOF PLANS AND ELEVATIONS  
 A1-2 DETAILS

## STRUCTURAL

ST-1 LEGEND  
 ST-1A WOOD FRAMING STANDARD - NOTES  
 ST-2 CONCRETE STANDARD  
 ST1-0 DESIGN CRITERIA AND DETAIL NOTES  
 ST1-1 FOUNDATION PLAN

## ELECTRICAL

EE-0 LEGEND  
 EE-1 NOTES AND ABBREVIATIONS  
 EE-2 SNOW MELTING SYSTEM PLAN  
 EE-3 SNOW MELTING SYSTEM CONTROL PANEL ENCLOSURE  
 EE-4 WATER STORAGE TANK

## WATER

W1-0 NOTES, LEGENDS & ABBREVIATIONS  
 W1-1 WATER STORAGE TANK  
 W1-2 WATER STORAGE TANK DETAILS 1  
 W1-3 WATER STORAGE TANK DETAILS 2

# BUILDING CODE DATA

### DESIGN CODE

The building work for this project has been design to conform to

The 2013 edition of Title 24, California Code of Regulations:  
 Part 1 - California Administrative Code 2013,  
 Part 12- California Referenced Standards Code 2013.

The 2013 edition of Title 24, California Code of Regulations:  
 Part 2 - California Building Code 2013,  
 Part 3 - California Electrical Code 2013,  
 Part 4 - California Mechanical Code 2013,  
 Part 5 - California Plumbing Code 2013,  
 Part 6 - California Energy Code 2013, (Title 24, 2008)  
 Part 9 - California Fire Code 2013,  
 Part 11- California Green Building Standards Code 2013.

2010 ADA Standards.

### BUILDING DATA

#### 1. EXISTING OFFICE BUILDING

OCCUPANCY CLASSIFICATION : B  
 CONSTRUCTION TYPE : V-B  
 NUMBER OF STORIES : 1  
 ACTUAL BUILDING HEIGHT : 12'-0" - 18'-0"  
 BUILDING AREA : 3,000 SQ FT  
 ALLOWABLE AREA PER TABLE 503 : 9,000 Sq Ft  
 ALLOWABLE BUILDING HEIGHT PER TABLE 503 : 40 Ft  
 NUMBER OF EXITS REQUIRED : 2  
 FIRE SPRINKLER : SEPARATION AUTOMATIC SPRINKLER SYSTEM  
 FIRE ALARM : YES  
 SMOKE CONTROL SYSTEM : NO

OCCUPANCY LOAD :  $\frac{3,000}{100} = 30$

#### 2. EXISTING INSPECTION FACILITY

OCCUPANCY CLASSIFICATION : S2  
 CONSTRUCTION TYPE : V-B  
 NUMBER OF STORIES : 1  
 ACTUAL BUILDING HEIGHT = 20'-6" - 34'-0"  
 BUILDING AREA: 10,000 SQ FT  
 ALLOWABLE AREA PER TABLE 503 : 13,500 Sq Ft  
 ALLOWABLE BUILDING HEIGHT PER TABLE 503 : 40 Ft  
 FIRE SPRINKLER : SEPARATION AUTOMATIC SPRINKLER SYSTEM  
 OCCUPANCY LOAD :  $\frac{10,000}{500} = 20$

BUILDING AREA 1+2 :
3,000 Sq Ft
+ 10,000 Sq Ft
<b>TOTAL = 13,000 Sq Ft</b>

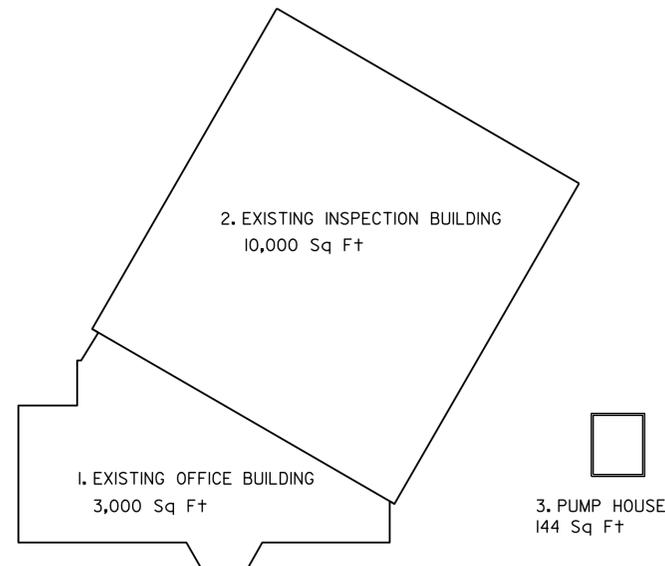
#### 3. EXISTING PUMP HOUSE

OCCUPANCY CLASSIFICATION : U  
 CONSTRUCTION TYPE : V-B  
 NUMBER OF STORIES : 1  
 ACTUAL BUILDING HEIGHT = 12'  
 CONSTRUCTION TYPE : V-B  
 BUILDING AREA: 144 Sq Ft  
 OCCUPANCY LOAD : 1

BUILDING OCCUPANCY CLASSIFICATION :  
 MIXED OCCUPANCY - "B" AND "S2" OCCUPANCIES, PER CBC SECTION 508.

#### REQUIRED SEPARATION OF OCCUPANCIES :

CBC TABLE 508.4 = REQUIRED SEPARATION OF OCCUPANCIES  
 BUILDING EQUIPPED WITH SEPARATION AUTOMATIC SPRINKLER SYSTEM : 1 HOUR  
 FIRE ALARM : NOT REQUIRED, PER CBC, SECTION 907.2.2 GROUP B.



Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
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**DOUG LOWE** 06-19-15  
 LICENSED ARCHITECT DATE  
 02-22-16  
 PLANS APPROVAL DATE  
 No. C-15341  
 06-30-17  
 RENEWAL DATE  
 STATE OF CALIFORNIA  
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

**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: **GARY BLUMENTHAL**  
 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

STATE OF CALIFORNIA—NATURAL RESOURCES AGENCY  
 Edmund G. Brown Jr., Governor  
**CAL FIRE** DEPARTMENT OF FORESTRY AND FIRE PROTECTION  
 OFFICE OF THE STATE FIRE MARSHAL  
 P.O. Box 944248  
 SACRAMENTO, CA 94244-2488  
 (916) 445-8550  
 Website: www.fire.ca.gov

### LOCAL FIRE AUTHORITY - ACCESS APPROVAL

Project: Donner Pass CVEF Rehabilitation  
 Address: 12800 Interstate 80, Truckee, CA 96161  
 CSFM File Number: \_\_\_\_\_ DGS Project #: \_\_\_\_\_  
(Only if applicable) (Only if applicable)

Pursuant to Title 19, California Code of Regulations, Article 3, Section 3.05, Fire Department Access and Egress, it is necessary to provide the California State Fire Marshal with written certification from the local fire authority that the above section is being met to their satisfaction.

Please return this form with all sections filled in completely. Without this form, California State Fire Marshal approval may be delayed. If you have any questions, please contact the California State Fire Marshal Plan Review Unit at (916) 445-8550.

The local fire authority shall consider the following items,

Approved	yes	no
Fire Department Access	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Department Connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Hydrant	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Alarm Annunciator	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fire Alarm Control Panel	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Knox Box	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Emergency Responder Radio Coverage	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Local Fire Authority: TRUCKEE FIRE DISTRICT  
 Address: PO BOX 2788  
 City/State/ZIP: TRUCKEE, CA 96160

Approval issued by: BOB BEHA  
 Rank/Title: FIRE CHIEF  
 Phone Number: 530-582-7850  
 Signature: Bob Beha Date: 4-28-15

CONSERVATION IS WISE-KEEP CALIFORNIA GREEN AND GOLDEN  
 PLEASE REMEMBER TO CONSERVE ENERGY. FOR TIPS AND INFORMATION, VISIT 'FLEX YOUR POWER' AT WWW.CA.GOV.

DESIGN	BY D A Lowe	CHECKED D A Lowe
DETAILS	BY S W Yeh	CHECKED A Chung
QUANTITIES	BY S W Yeh	CHECKED D A Lowe

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

BRIDGE No.	17W0002	DONNER PASS CVEF REHABILITATION	SHEET A0-1
POST MILE	19.3		
INDEX & BUILDING CODE DATA			

# ARCHITECTURAL ABBREVIATIONS

ADA	AMERICANS WITH DISABILITIES ACT	EscI	ESCALATOR	LBF	POUND-FORCE POUND	Req	REQUIRED ROOFING
A/C	AIR CONDITIONING	ETW	EDGE OF TRAVEL WAY	LB	LIGHTING CONTROL PANEL	Rfg	ROUGHSAWN
AC	ASPHALT CONCRETE	EWC	ELECTRIC WATER COOLER	LCP	LIGHT EMITTING DIODE	Rfsw	ROUND HEAD WOOD SCREW
AB	ANCHOR BOLT	EWH	ELECTRIC WATER HEATER	LED	LINEAR FEET	RH	ROOF JOIST
Abv	ABOVE	Exp	EXPANSION	LF	LOW INTENSITY RADIANT HEATING	RJ	ROUGH OPENING
Acous	ACOUSTICAL	Expo	EXPOSED EXPOSURE	LIRH	LOCKER	Rm	RESAWN
Addl	ADDITIONAL	Ext	EXTERIOR	Lkr	LONG LEG VERTICAL	RO	ROUTE
Adj	ADJUSTABLE	FACP	FIRE ALARM CONTROL PANEL	LLV	LAYOUT LINE	Rsw	RETAINING WALL
Alt	ALTERNATE	FD	FLOOR DRAIN	LQL	LIQUIFIED PETROLEUM GAS	Rfe	RAINWATER LEADER
Alum	ALUMINUM	Fdn	FOUNDATION	LPG	LAG SCREW	RW	SOUTH CORE
APA	AMERICAN PLYWOOD ASSOCIATION	FE	FIRE EXTINGUISHER BRACKET MOUNTED	LS	LOUVER	S	SCHEDULE
Approx	APPROXIMATE	FEC	FIRE EXTINGUISHER CABINET	Lvr	MASONRY	SC	SOAP DISPENSER
Arch	ARCHITECTURAL, ARCHITECT	FF	FINISH FLOOR	Mas	MATERIAL	Sched	SELF DRILLING SELF TAPPING
Asph	ASPHALT	FG	FINISH GRADE	Mat	MAXIMUM	SD	SQUARE FOOT (FEET)
Auto	AUTOMATIC	FH	FIRE HYDRANT	Max	MACHINE BOLT	SDST	SELF DRILLING SELF TAPPING
Bd	BOARD	FHC	FIRE HOSE CABINET	MB	MEMBER	SF	SHELF
Bit	BITUMINOUS	FHMS	FLATHEAD METAL SCREW	Mbr	MECHANICAL EXPANSION ANCHOR	Sh	SHOWER
Bldg	BUILDING	FHWS	FLATHEAD WOOD SCREW	ME	MECHANICAL EXPANSION ANCHOR	Shwr	SHOWER
Blk	BLOCK	Fin	FINISH	Mech	MECHANICAL	Sht	SHEET
Bkkg	BLOCKING	FJ	FLOOR JOIST	Memb	MEMBRANE	Shtg	SHEATHING
Bm	BEAM	Flash	FLASHING	Met	METAL	Sim	SIMILAR
BN	BOUNDARY NAILING	Fir	FLOOR	Mfr	MANUFACTURER	SL	SCORE LINE
Bot	BOTTOM	Fluor	FLUORESCENT	Mgr	MANAGER	SMS	SHEET METAL SCREW
Br	BRIDGE	FOC	FACE OF CONCRETE	MH	MAN HOLE	SOHD	SECTIONAL OVERHEAD DOOR
Btm	BOTTOM	FOF	FACE OF FINISH	Min	MINIMUM	Spec	SPECIFICATION
Btwn	BETWEEN	FOM	FACE OF MASONRY	Mir	MIRROR	SPS	STRUCTURAL PLYWOOD SHEATHING
BUR	BUILT-UP-ROOFING	FOS	FACE OF STUD	Misc	MISCELLANEOUS	Sq	SQUARE
CBC	CALIFORNIA BUILDING CODE	FRmg	FRAMING	MIW	MALLEABLE IRON WASHER	SRRA	SAFETY ROADSIDE REST AREA
C-C	CENTER TO CENTER	FRPP	FIBERGLASS REINFORCED PLASTIC PANEL	Mkdb	MARKERBOARD	SS	SERVICE SINK
CCTV	CLOSED CIRCUIT TELEVISION	FS	FLOOR SINK	MO	MASONRY OPENING	SST	STAINLESS STEEL
CJ	CONTROL JOINT	Ft	FEET, FOOT	MS	MOP SINK	Sta	STATION
CL	CHAIN LINK	Ftg	FOOTING	Mid	MOUNTED	Stag	STAGGER
Cab	CABINET	Furr	FURRING	Mtl	METAL	Std	STANDARD
CB	CATCH BASIN	Fwy	FREEWAY	Mul	MULLION	Stf	STOREFRONT
Cem	CEMENT	Ga	GAUGE	N	NORTH	Stl	STEEL
Cer	CERAMIC	Gal	GALLON	ND	NAPKIN DISPOSAL	Stor	STORAGE
CFS	COLD-FORMED STEEL	Galv	GALVANIZED	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION	Struc	STRUCTURAL
CH	CLOTHES HOOK	GB	GRAB BAR	NIC	NOT IN CONTRACT	Susp	SUSPENDED
CIDH	CAST IN DRILLED HOLE	GI	GALVANIZED IRON	No	NUMBER	T	TREAD
CIP	CAST IN PLACE	GLM	GLUE LAMINATED MEMBER	Nom	NOMINAL	T&G	TONGUE & GROOVE
Cig	CEILING	Giz	GLAZING	NTS	NOT TO SCALE	TB	TOLL BOOTH
Clo	CLOSET	Gr	GRADE	Obsc	OBSCURE	TD	TRENCH DRAIN
Cir	CLEAR	GSM	GALVANIZED SHEET METAL	OC	ON CENTER	TeI	TELEPHONE
CMU	CONCRETE MASONRY UNIT	GWH	GAS WATER HEATER	OD	OUTSIDE DIAMETER	Temp	TEMPERED
CO	CLEANOUT	Gyp	GYPSPUM	Off	OFFICE	Ter	TERRAZZO
Col	COLUMN	Gyp WB	GYPSPUM WALLBOARD	OFD	OVERFLOW DRAIN	Thk	THICK
Comm	COMMUNICATION	HB	HYDRANT BOX	OG	ORIGINAL GROUND	Thld	THRESHOLD
Conc	CONCRETE	HC	HOLLOW CORE	OH	OPPOSITE HAND	TJ	TOOLED JOINT
Conn	CONNECTION	HD	HEAD, HOLD DOWN	Ohd	OVERHEAD	Tkbd	TACKBOARD
Const	CONSTRUCTION	Hdr	HEADER	OHWS	OVALHEAD WOOD SCREW	TN	TOE NAIL
Cont	CONTINUOUS	Hdw	HARDWOOD	Op	OPERATIONS	TNVM	TAMPON/NAPKIN VENDING MACHINE
Corr	CORRIDOR	Hdwr	HARDWARE	Opng	OPENING	TOC	TOP OF CURB OR CONCRETE
Cpt	CARPET	Hex	HEXAGONAL	Opp	OPPOSITE	TOF	TOP OF FRAMING
CT	CERAMIC TILE	HF	HOSE FAUCET	Opr	OPTION, OPTIONAL	TOP	TOP OF PAVEMENT
Ctr	CENTER	Hgr	HANGER	OSB	ORIENTED STRAND BOARD	TOS	TOE OF SLOPE
Ctsk	COUNTERSUNK	HM	HOLLOW METAL	P	PITCH	ToT	TOTAL
CY	CUBIC YARD	HMA	HOT MIX ASPHALT	PB	POST BASE	TOW	TOP OF WALL
Dbl	DOUBLE	Horiz	HORIZONTAL	PC	POST CAP	TSCD	TOILET SEAT COVER DISPENSER
Dept	DEPARTMENT	HP	HIGH POINT	PCC	PORTLAND CEMENT CONCRETE	TTD	TOILET TISSUE DISPENSER
Det	DETAIL	Hr	HOUR	PDF	POWDER DRIVEN FASTENER	TTD/NR	TOILET TISSUE DISPENSER/ NAPKIN RECEPTACLE
DF	DOUGLAS FIR OR DRINKING FOUNTAIN	HSB	HIGH STRENGTH BOLT	PH	PHILLIPS HEAD	Tty	TELETYPEWRITER
Dia	DIAMETER	HSS	HOLLOW STRUCTURAL SECTION	PI	PLATE	Typ	TYPICAL
Dim	DIMENSION	H	HEIGHT	PLam	PLASTIC LAMINATE	UL	UNDERWRITERS LABORATORIES
Dn	DOWN	HVAC	HEATING, VENTILATING, AIR CONDITIONING	Plas	PLASTER	Unf	UNFINISHED
Dp	DEEP	Hwy	HIGHWAY	Plywd	PLYWOOD	UON	UNLESS OTHERWISE NOTED
Dr	DOOR	IACP	INTRUSION ALARM CONTROL PANEL	PMF	PRESSED METAL FRAME	UPS	UNINTERRUPTED POWER SUPPLY
DS	DOWNSPOUT	ID	INSIDE DIAMETER	Pr	PAIR	Ur	URINAL
Dwgs	DRAWINGS	IFS	INTEGRATED FACILITY SYSTEM	Prtn	PARTITION	Var	VARIES
Dwr	DRAWER	In	INCH	PT	POINT	VCT	VINYL COMPOSITION TILE
(E)	EXISTING	Info	INFORMATION	PTD	PAPER TOWEL DISPENSER	Vert	VERTICAL
E	EAST	Insul	INSULATION	PTD/R	PAPER TOWEL DISPENSER /RECEPTACLE	Vest	VESTIBULE
Ea	EACH	ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY	PV	PHOTOVOLTAIC	VR	VENT RISER
EEWS	EMERGENCY EYEWASH AND SHOWER	IWH	INSTANT WATER HEATER	PVC	POLYVINYL CHLORIDE	VTR	VENT THRU ROOF
EF	EXHAUST FAN	Jan	JANITOR	PWB	PREFABRICATED WOOD I BEAM	W	WEST
EHD	ELECTRIC HAND DRYER	JB	JUNCTION BOX	QT	QUARRY TILE	W/	WITH
EH	EXHAUST HOOD	JH	JOIST HANGER	Rel	RELOCATED	W/O	WITHOUT
EIFS	EXTERIOR INSULATION & FINISH SYSTEM	Jst	JOIST	R	RADIUS, RISER	WC	WATER CLOSET
EJ	EXPANSION JOINT	Jt	JOINT	R/W	RIGHT OF WAY	Wd	WOOD
Elect	ELECTRICAL	Kit	KITCHEN	RD	ROOF DRAIN	Wdw	WINDOW
Elev	ELEVATION HEIGHT(OR VIEW)	KS	KITCHEN SINK	RD/O	ROOF DRAIN & OVERFLOW	WH	WALL HEATER
Eivr	ELEVATOR	Lab	LABORATORY	Rdw	REDWOOD	WP	WORKING POINT OR WEATHER PROOF
Emer	EMERGENCY	Lav	LAVATORY	Ref	REFERENCE	WR	WATER RESISTANT
Encl	ENCLOSURE			Refg	REFRIGERATOR	Wsct	WAINSCOT
EP	EDGE OF PAVEMENT			Reinf	REINFORCED(ING)	Wt	WEIGHT
EPB	ELECTRICAL PANELBOARD					Wtpr	WATERPROOFING
EPS	EXPANDED POLYSTYRENE					WWF	WELDED WIRE FABRIC
Eq	EQUAL					Yd	YARD
Equip	EQUIPMENT						

# DESIGN CRITERIA

The building work on this project has been designed to conform to the 2013 Title 24 California Building Code.

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	6	26


 06-19-15  
 LICENSED ARCHITECT DATE

02-22-16  
 PLANS APPROVAL DATE

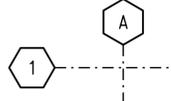
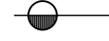
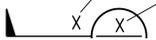
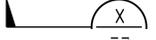
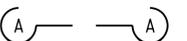
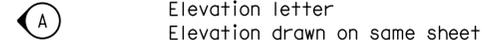
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 Reviewed by: GARY BLUMENTHAL  
 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

# 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.

# SYMBOLS

	Grid line		BUILDING SECTION LETTER
	Match line		SHEET
	Working point		ADDITIONAL REFERENCE (IF USED)
	Room number		DETAIL NUMBER
	Door designation		SHEET
	Window designation		DRAWN ON SAME SHEET
	Louver designation		SHADED ARROW INDICATES ELEVATION DRAWN
	Color designation		SECTION LETTER; SECTION DRAWN ON SAME SHEET
	Equipment/ furniture designation		AND
	Elevation letter		CENTER LINE
	Elevation drawn on same sheet		DIAMETER OR ROUND
			SQUARE
			PLATE
			PENNY
			DEGREE
			TEMPERED

DESIGN SUPERVISOR	DESIGNER	CHECKED BY:	SHEET LEGEND	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE No.	DONNER PASS CVEF REHABILITATION	SHEET
DESIGN ARCHITECT	DRAWN BY	STRUCTURAL REVIEW	A-1 ARCHITECTURAL ST-1 STRUCTURAL M-1 MECHANICAL EE-1 ELECTRICAL MP-1 PLUMBING W-1 WATER	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	17W0002 POST MILE 19.3	ABBREVIATIONS SYMBOLS	A0-2
TAEWW Imperial - CCSC Rev. 04/14			ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	UNIT: 3584 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF

26-FEB-2016 12:15 P:\Dist\_03\0315000090 Donner Pass TIF Rehabs\expedite\va00\_02\_abbrv.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	7	26

**DOUG LOWE** 06-19-15  
 LICENSED ARCHITECT DATE

02-22-16  
 PLANS APPROVAL DATE

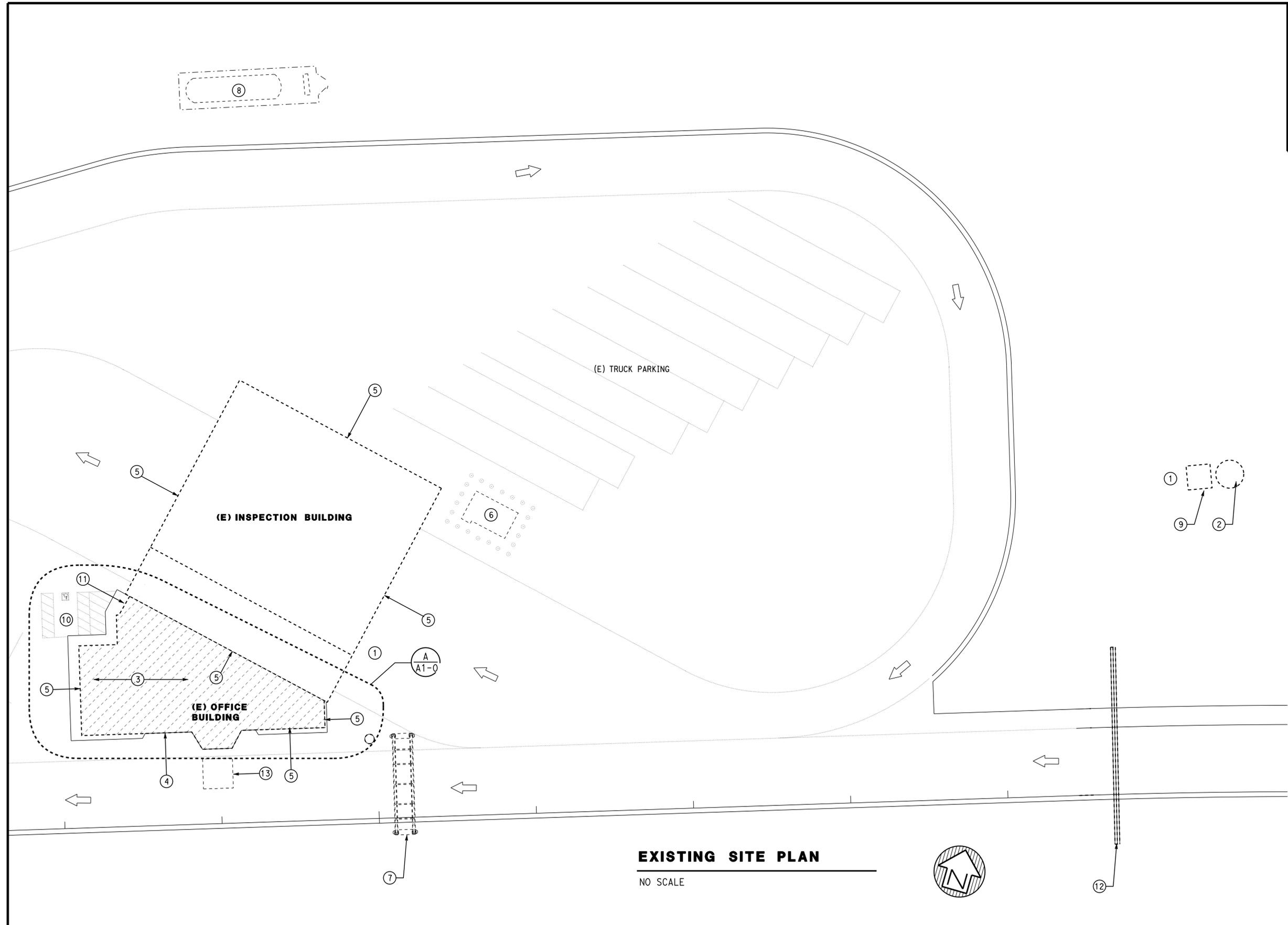
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**DOUG LOWE**  
 LICENSED ARCHITECT  
 No. C-15341  
 06-30-17  
 RENEWAL DATE  
 STATE OF CALIFORNIA

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**LEGEND**

- ① Verify and tag existing utilities lines.
- ② (E) Redwood water tank
- ③ Remove (E) metal roofing panels in hatched area.
- ④ Remove (E) south facing windows.
- ⑤ Resurface and paint the entirety of metal wall panels, metal roof fascia and soffits, doors/frames, window frames, and louvers.
- ⑥ (E) Fuel tank
- ⑦ (E) Radiation detection sign bridge
- ⑧ (E) LPG tank
- ⑨ (E) Pump house
- ⑩ (E) Accessible parking
- ⑪ (E) Trucker's entrance
- ⑫ (E) Overhead sign bridge
- ⑬ (E) Truck scale

**EXISTING SITE PLAN**

NO SCALE

DESIGN BY D A Lowe	CHECKED D A Lowe	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES <b>ARCHITECTURAL AND STRUCTURAL DESIGN</b>	BRIDGE No.	<b>DONNER PASS CVEF REHABILITATION</b> EXISTING/REMOVAL SITE PLAN	SHEET <b>A0-3</b>
				17W0002		
				POST MILE 19.3		
DETAILS BY S W Yeh	CHECKED A Chung	UNIT: 3584 CONTRACT No.: 03-OH1804	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF
QUANTITIES BY S W Yeh	CHECKED D A Lowe	PROJECT NUMBER & PHASE: 0315000901	02-12-15 03-30-15 06-15-15			

# COLOR SCHEDULE

ITEM	FINISH	REMARKS
METAL ROOFING PANEL	FACTORY APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH (E) ROOFING COLOR
METAL PANEL FASCIA	FACTORY APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH (E) ROOFING COLOR
(E) METAL WALL PANEL	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #3652I
(E) METAL SOFFIT PANEL	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #3652I
Misc FLASHING	FACTORY OR FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH ADJACENT COLOR
(E) Misc FLASHING	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH ADJACENT COLOR
(E) Misc METAL	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH ADJACENT COLOR
(E) DOOR	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #2778O
(E) DOOR FRAME	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #2778O
(E) TELESCOPING DOOR	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #26I22
(E) TELESCOPING DOOR FRAME, TRIM	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #26I22
(E) WINDOW FRAME	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #2778O
(E) LOUVER	FIELD APPLIED FLUOROPOLYMER COATING SYSTEM	FEDERAL STANDARD 595C COLORS #2778O
CONCRETE SLAB	EPOXY COATING SYSTEM	CLEAR
GYPSUM BOARD	FIELD-APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH ADJACENT COLOR
Misc WOOD	FIELD-APPLIED FLUOROPOLYMER COATING SYSTEM	MATCH ADJACENT COLOR

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	NeV	80	19.3	8	26

*Doug Lowe* 06-19-15  
 LICENSED ARCHITECT DATE

02-22-16  
 PLANS APPROVAL DATE

DOUG LOWE  
 No. C-15341  
 06-30-17  
 RENEWAL DATE  
 STATE OF CALIFORNIA

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 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

## NOTES

- ITEMS TO BE PAINTED OR REPAINTED PER SPECIAL PROVISIONS SECTION 99-09960

DESIGN	BY D A Lowe	CHECKED D A Lowe
DETAILS	BY S W Yeh	CHECKED A Chung
QUANTITIES	BY S W Yeh	CHECKED D A Lowe

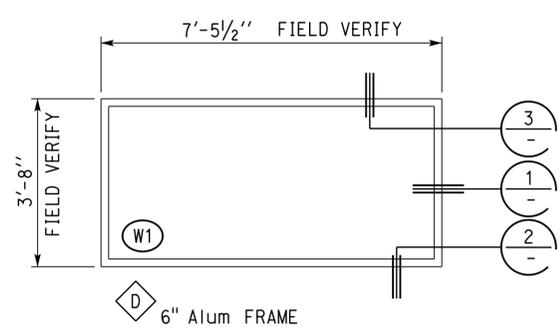
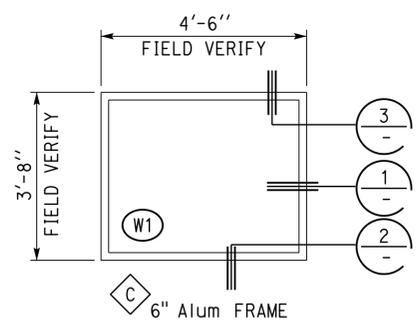
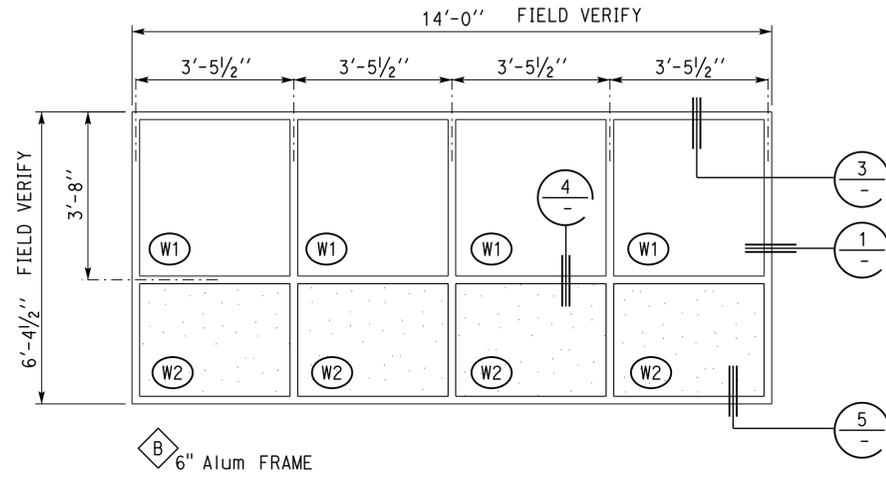
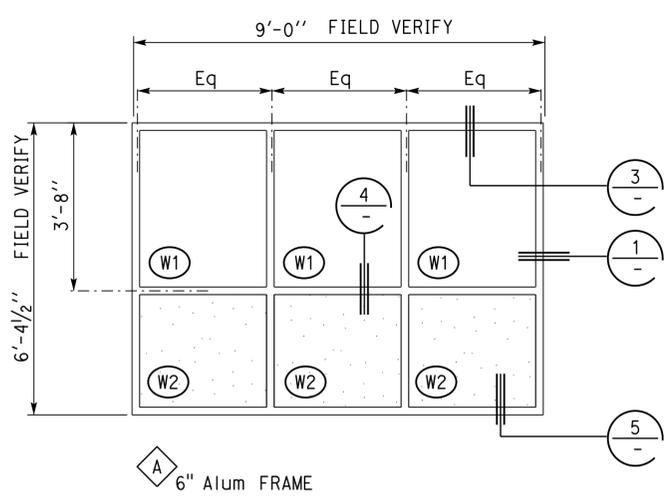
<b>STATE OF CALIFORNIA</b>	
<b>DEPARTMENT OF TRANSPORTATION</b>	

<b>DIVISION OF ENGINEERING SERVICES</b>	BRIDGE No.
<b>ARCHITECTURAL AND STRUCTURAL DESIGN</b>	17W0002
	POST MILE
	19.3

<b>DONNER PASS CVEF REHABILITATION</b>	
COLOR SCHEDULE	

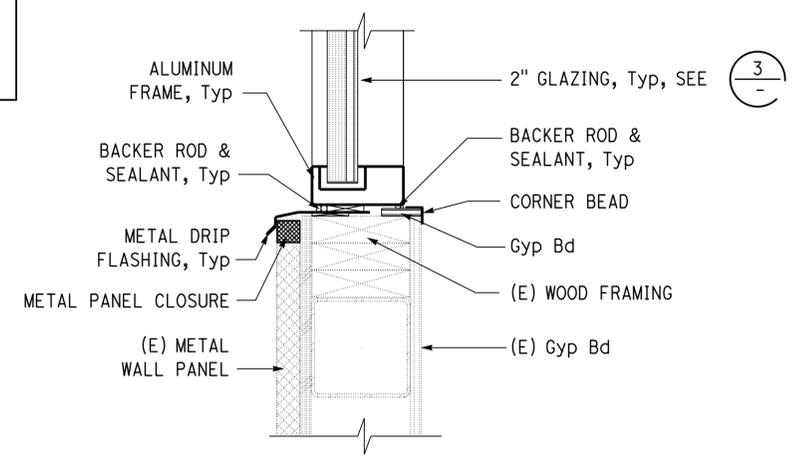
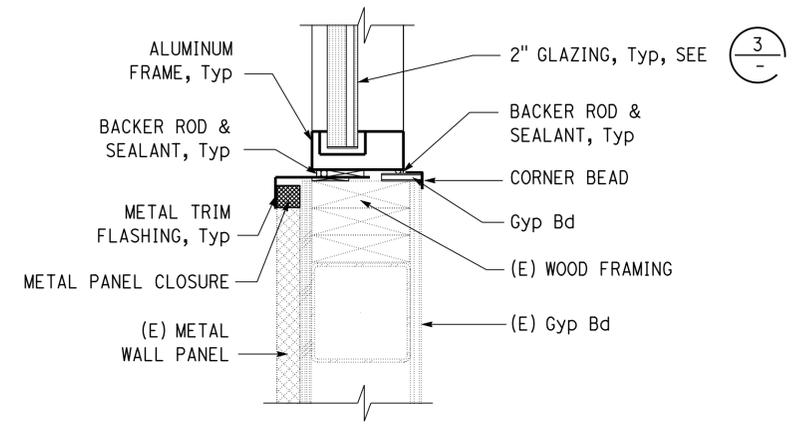
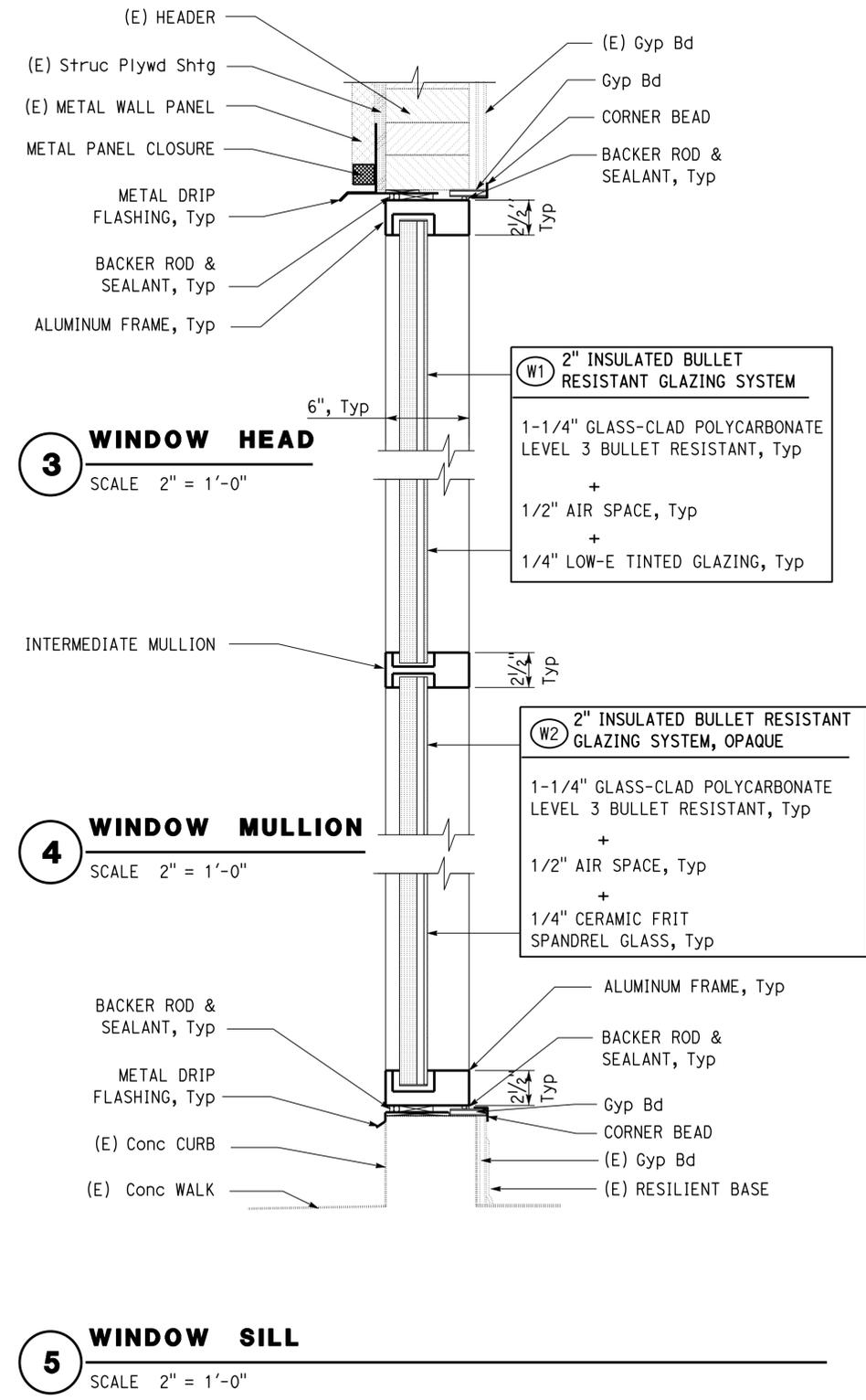
SHEET	OF
<b>A0-4</b>	

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 CSFM# 01-29-11-0009



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

NOTES:  
 1. SEE A1-1 FOR ADDITIONAL INFORMATION.  
 2. FIELD VERIFY ROUGH OPENING.

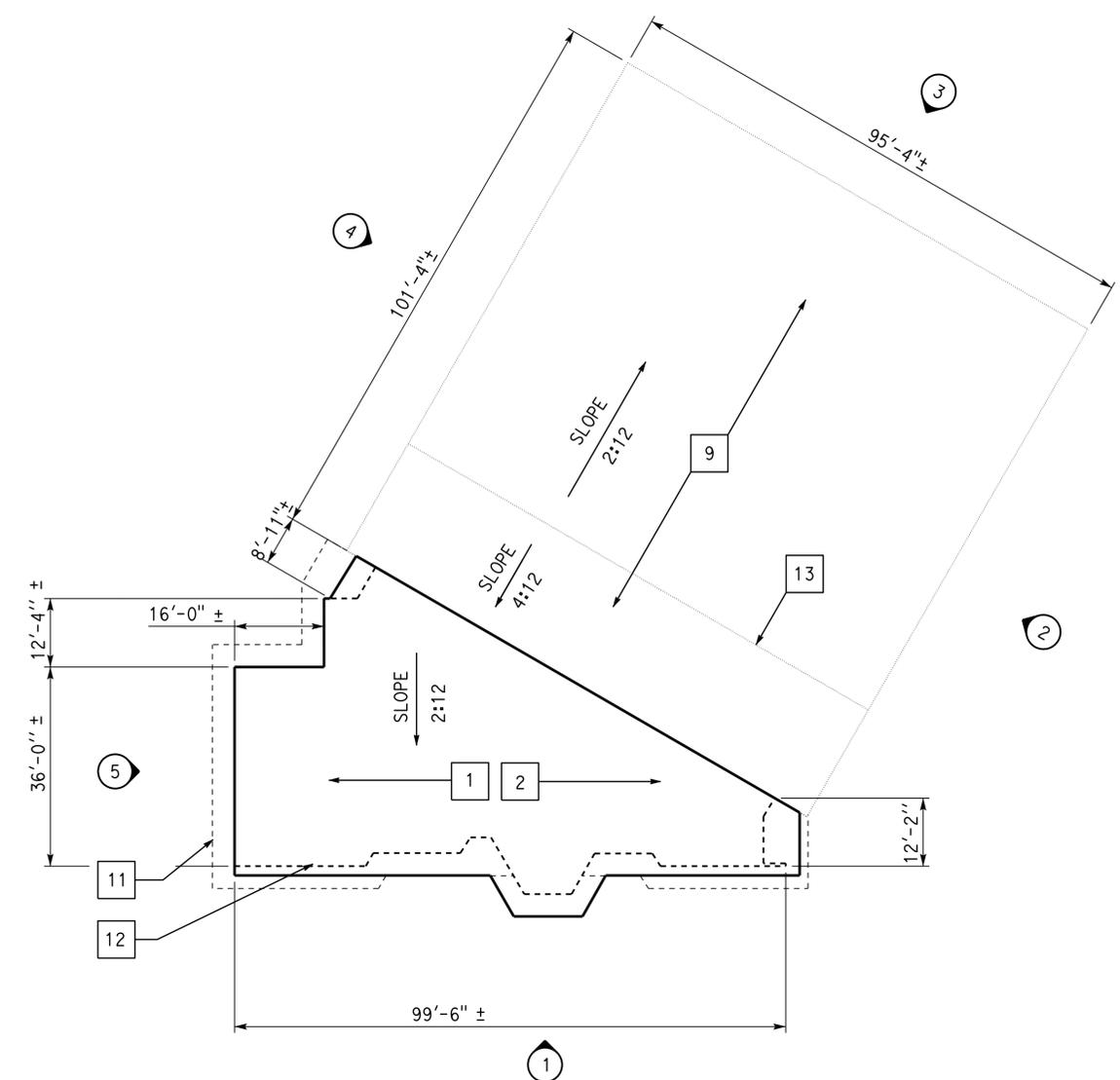


DESIGN	BY D A Lowe	CHECKED D A Lowe
DETAILS	BY S W Yeh	CHECKED A Chung
QUANTITIES	BY S W Yeh	CHECKED D A Lowe

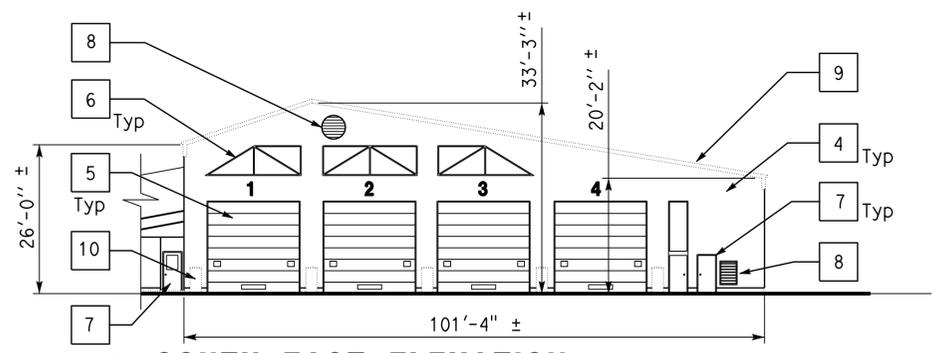
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.	17W0002	DONNER PASS CVEF REHABILITATION	SHEET A0-5
POST MILE	19.3		
WINDOW SCHEDULE AND DETAILS		REVISION DATES (PRELIMINARY STAGE ONLY)	

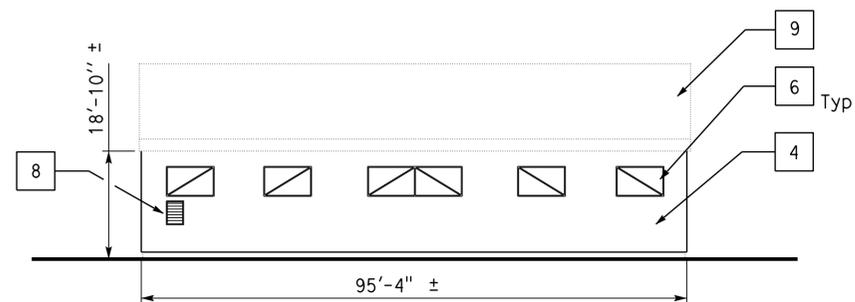
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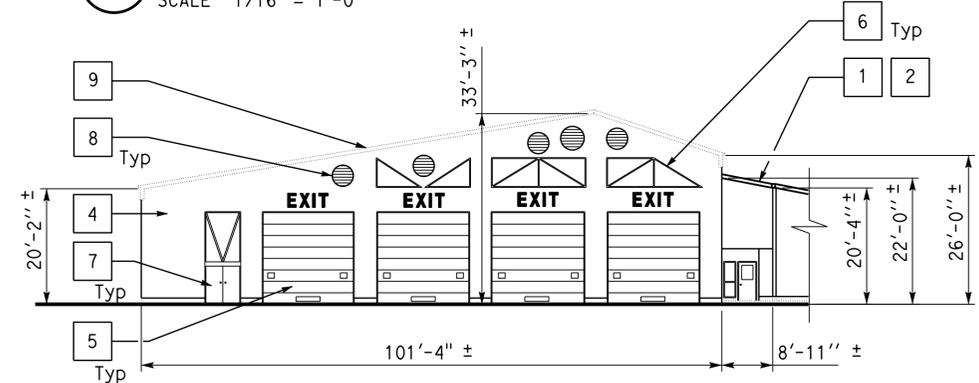
**A EXISTING/REMOVAL ROOF PLAN**  
SCALE 1/16" = 1'-0"



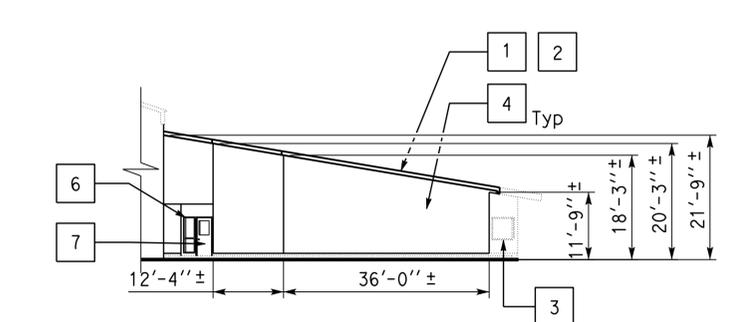
**2 SOUTH EAST ELEVATION**  
SCALE 1/16" = 1'-0"



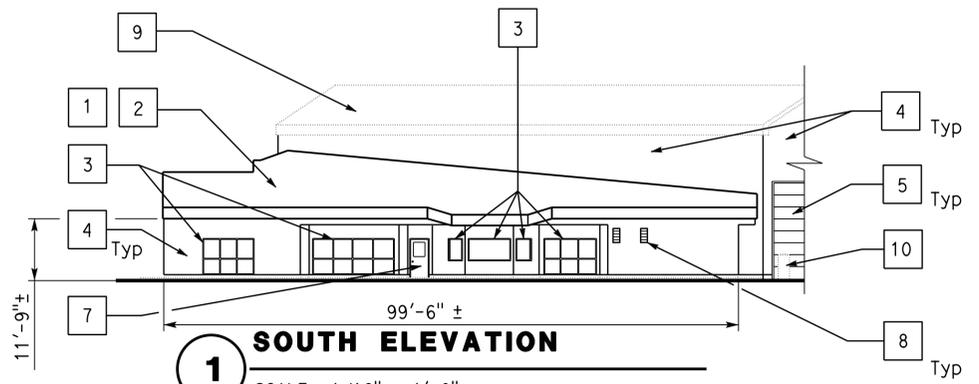
**3 NORTH EAST ELEVATION**  
SCALE 1/16" = 1'-0"



**4 NORTH WEST ELEVATION**  
SCALE 1/16" = 1'-0"



**5 WEST ELEVATION**  
SCALE 1/16" = 1'-0"



**1 SOUTH ELEVATION**  
SCALE 1/16" = 1'-0"

**LEGEND**

- 1 Remove (E) metal roofing panel and (E) fascia over office area, repair (E) structural plywood sheathing according to Special Provisions Section 99-02074.
- 2 Remove and reinstall (E) vent pipes, (E) antennas, (E) satellite dish, (E) lighting fixtures, and all (E) miscellaneous attachment.
- 3 Remove (E) window
- 4 (E) metal wall/soffit panel - remove all corrosion and clean (E) coating to prepare surface for repainting.
- 5 (E) telescoping service door/frame - remove all corrosion & clean (E) coating to prepare surface for repainting.
- 6 (E) window frame - remove all corrosion & clean (E) coating to prepare surface for repainting.
- 7 (E) door panel/frame - remove all corrosion & clean (E) coating to prepare surface for repainting.
- 8 (E) louver - remove all corrosion & clean (E) coating to prepare surface for repainting.
- 9 (E) Metal roofing panels over inspection bays
- 10 (E) Concrete column guard
- 11 (E) Curb below
- 12 (E) Exterior wall below
- 13 (E) Ridge

**NOTES**

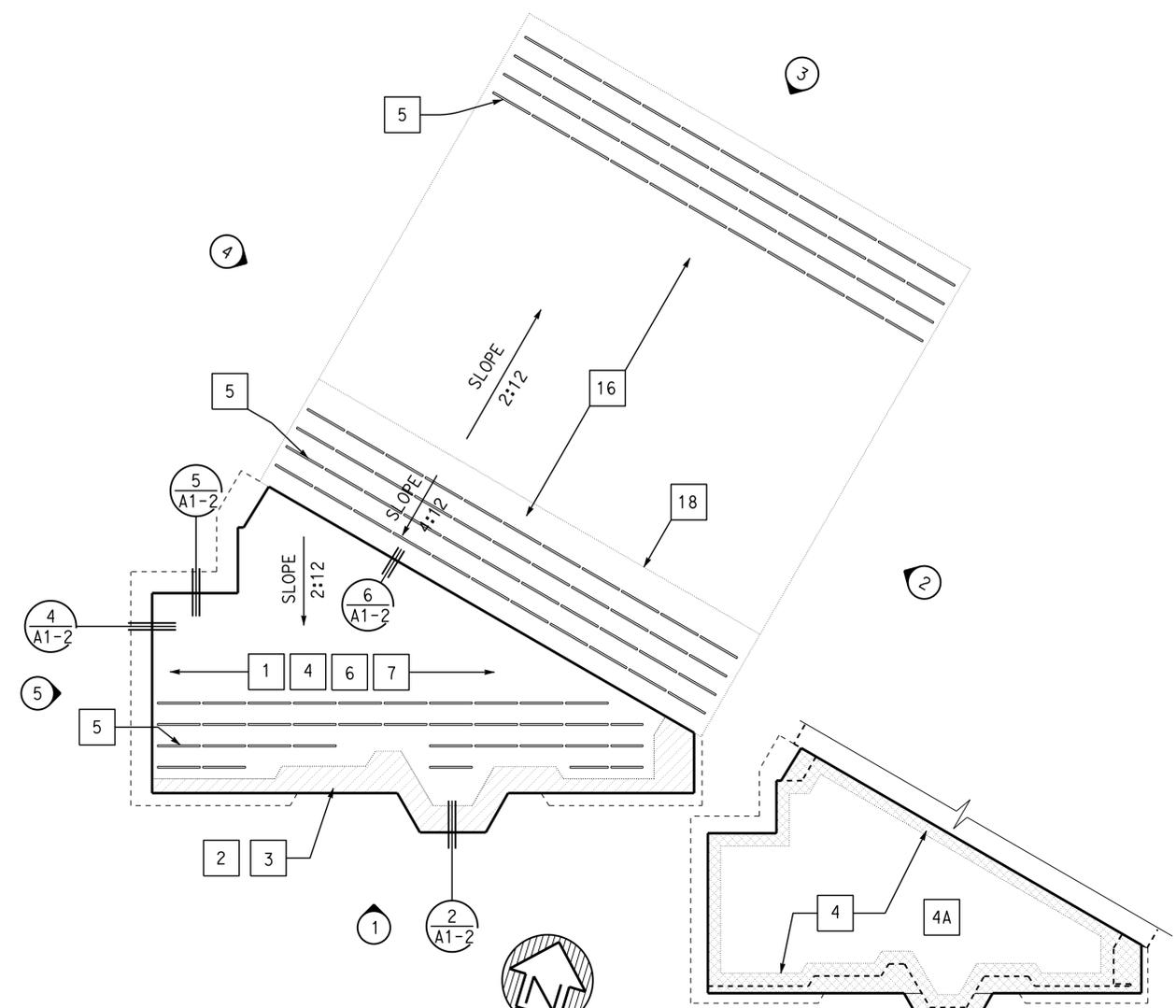
- 1. All dimensions are face of metal wall panels to face of metal wall panels
- 2. All (E) signs to be removed, cleaned, and salvaged for reinstallation.

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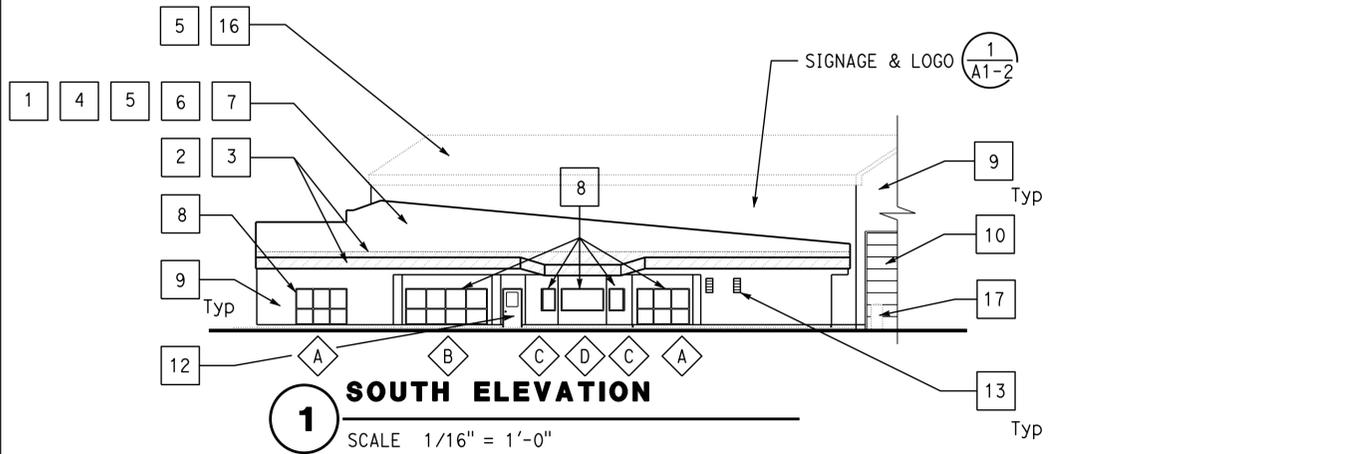
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 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

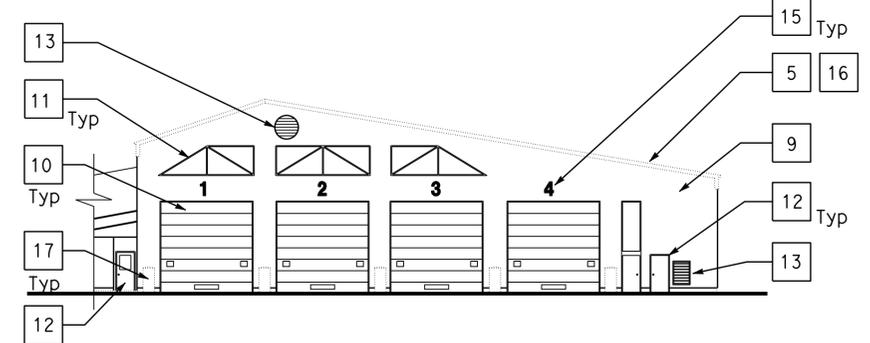


**A ROOF PLAN**  
 SCALE 1/16" = 1'-0"

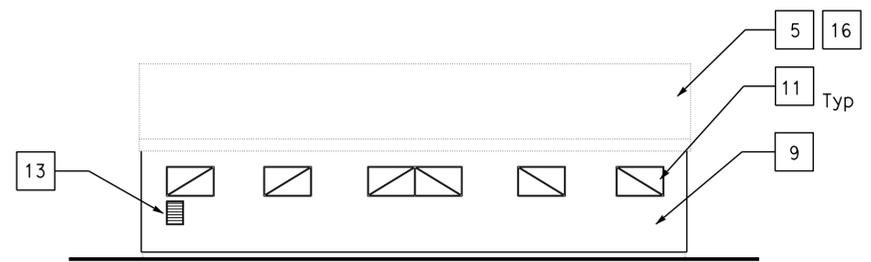
**A1 ROOFING UNDERLAYMENT LAYOUT**  
 SCALE 1" = 20'-0"



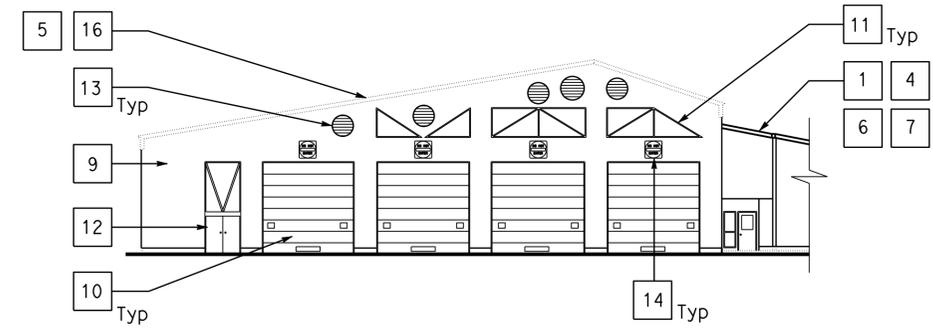
**1 SOUTH ELEVATION**  
 SCALE 1/16" = 1'-0"



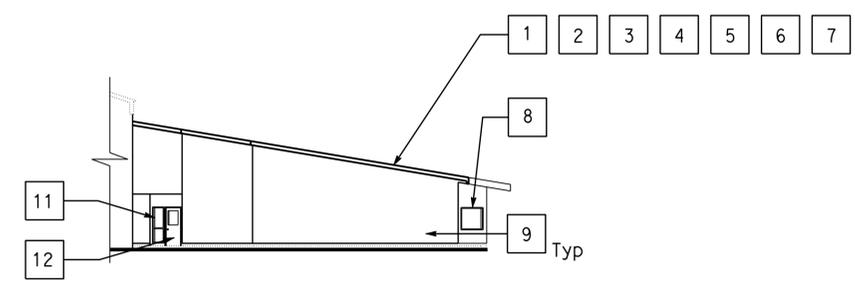
**2 SOUTH EAST ELEVATION**  
 SCALE 1/16" = 1'-0"



**3 NORTH EAST ELEVATION**  
 SCALE 1/16" = 1'-0"



**4 NORTH WEST ELEVATION**  
 SCALE 1/16" = 1'-0"



**5 WEST ELEVATION**  
 SCALE 1/16" = 1'-0"

**LEGEND**

- 1 Metal roofing
- 2 Heat retention pad between snow melting system and the metal roofing panels.
- 3 Snow melting system from the edge of eave to 12" beyond exterior wall and entire connecting fascia, shown in hatch area.
- 4 Self-adhered water-proofing underlayment from the edge of eave to 36" beyond exterior wall over (E) structural plywood sheathing, see cross-hatch area in layout A1.
- 4A Mechanically attached water-shedding underlayment
- 5 Snow guard, layout per manufacturer recommendation.
- 6 Reinstall removed (E) vent pipe, (E) antenna, (E) satellite dish, and all (E) miscellaneous attachment with required penetration curb and sealant.
- 7 Non-penetrating vent snow guard with snow diverter wings for all reinstalled (E) roof equipment.
- 8 Bullet resistant aluminum window
- 9 Apply high-performance fluoropolymer coating over all cleaned (E) metal wall and soffit panels.
- 10 Apply high-performance fluoropolymer coating over all cleaned (E) telescoping door and frame.
- 11 Apply high-performance fluoropolymer coating over all cleaned (E) window frame.
- 12 Apply high-performance fluoropolymer coating over all (E) door and frame.
- 13 Apply high-performance fluoropolymer coating over all (E) louvers.
- 14 36" x 36" California MUTCD 2012 Sign R5-1, total of (4).
- 15 Signage - door numbers (1, 2, 3, 4), 3'-0" tall, black helvetica medium on die cut adhesive back vinyl, center over door.
- 16 (E) Metal roofing panels over inspection bays
- 17 (E) Concrete column guard
- 18 (E) Ridge

**NOTES**

1. Refer to A1-0 for dimensions.
2. All (E) salvaged signs to be cleaned & reinstalled at original locations.

DESIGN BY: D A Lowe	CHECKED: D A Lowe	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES <b>ARCHITECTURAL AND STRUCTURAL DESIGN</b>	BRIDGE No. 17W0002	<b>DONNER PASS CVEF REHABILITATION</b> ROOF PLANS AND ELEVATIONS	SHEET A1-1	
DETAILS BY: S W Yeh	CHECKED: A Chung			POST MILE 19.3		REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
QUANTITIES BY: S W Yeh	CHECKED: D A Lowe			19.3		02-22-16 06-15-15	OF

UNIT: 3584 CONTRACT No.: 03-OH1804 PROJECT NUMBER & PHASE: 0315000090  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES  
 ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 TAEWW Imperial - CCSC Rev. 04/14  
 P:\dist\_03\0315000090 Donner Pass TIF Rehabs\expedite\A01\_1\_plan.dgn

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	12	26

*DOUG LOWE* 06-19-15  
 LICENSED ARCHITECT DATE

02-22-16  
 PLANS APPROVAL DATE

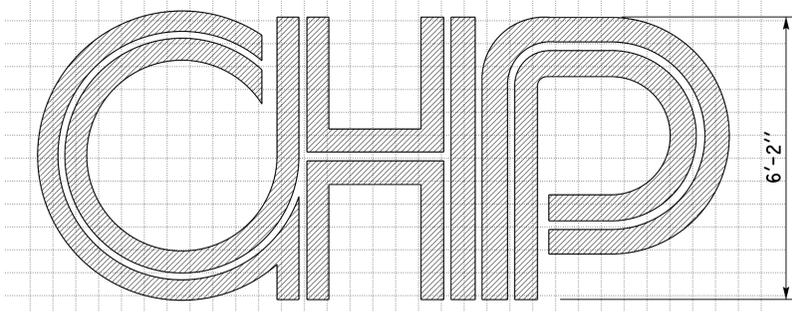
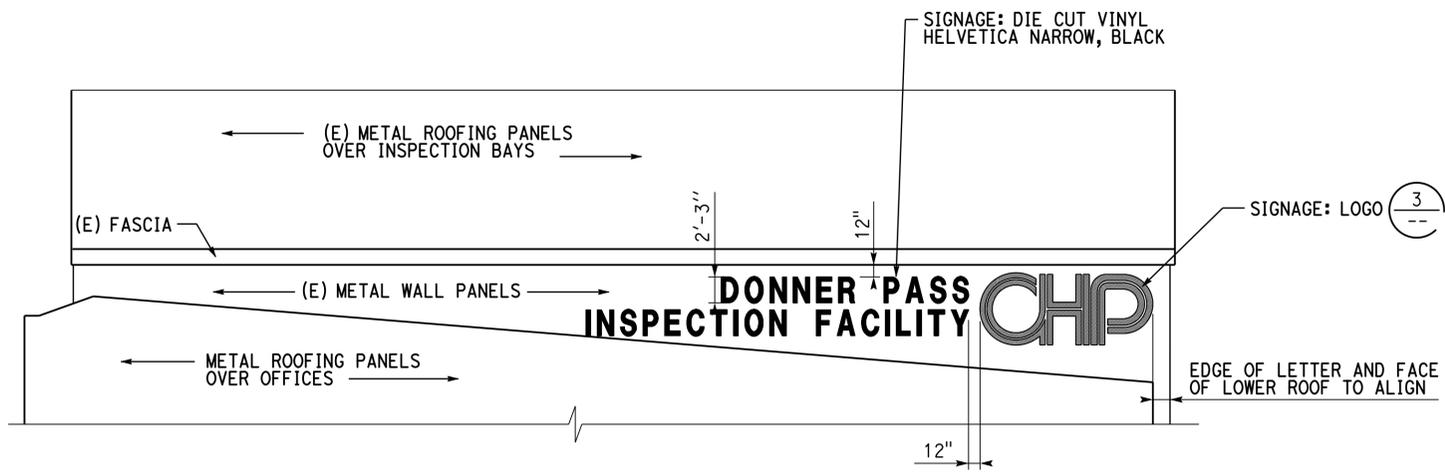
*DOUG LOWE*  
 No. C-15341  
 06-30-17  
 RENEWAL DATE  
 STATE OF CALIFORNIA

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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.

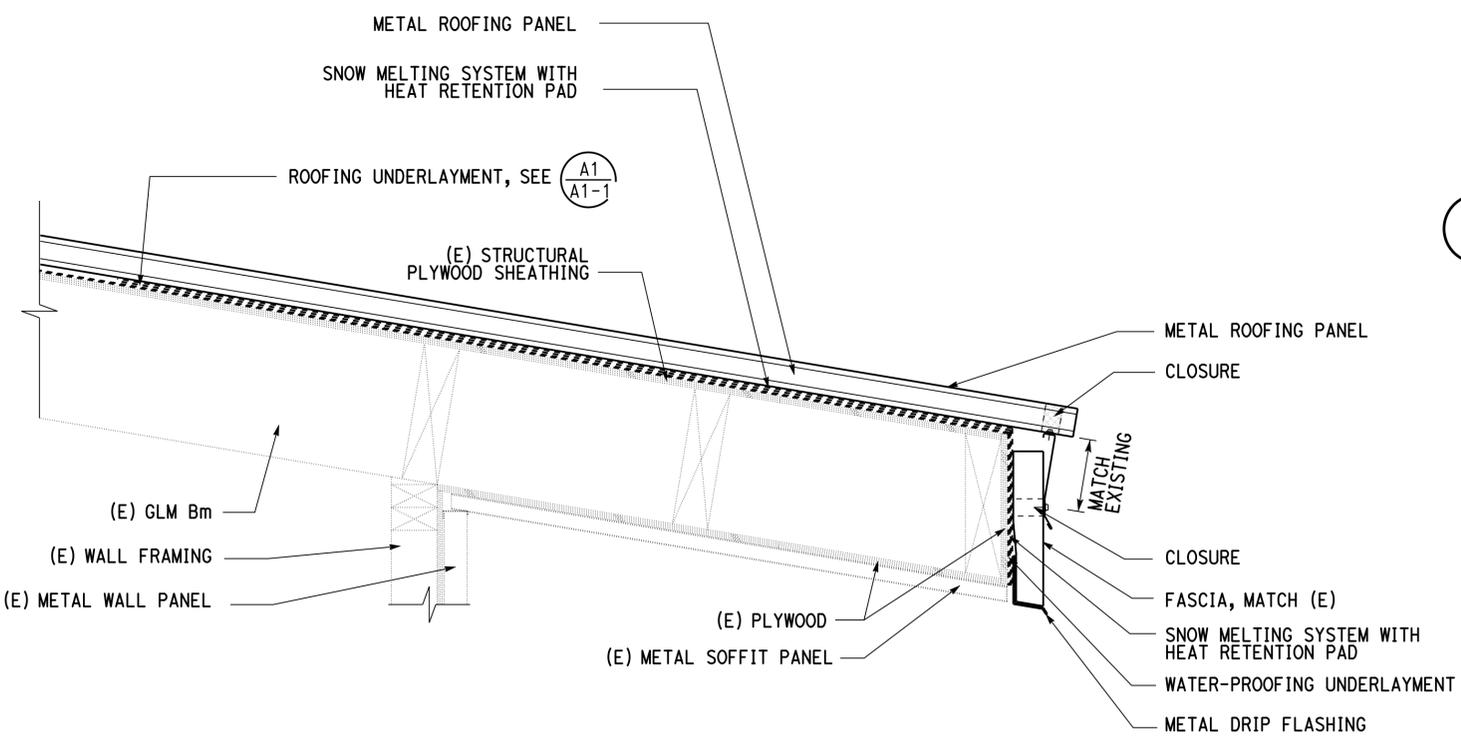
Reviewed by: *GARY BLUMENTHAL*  
 Approval date: 06-23-15  
 CSFM# 01-29-11-0009



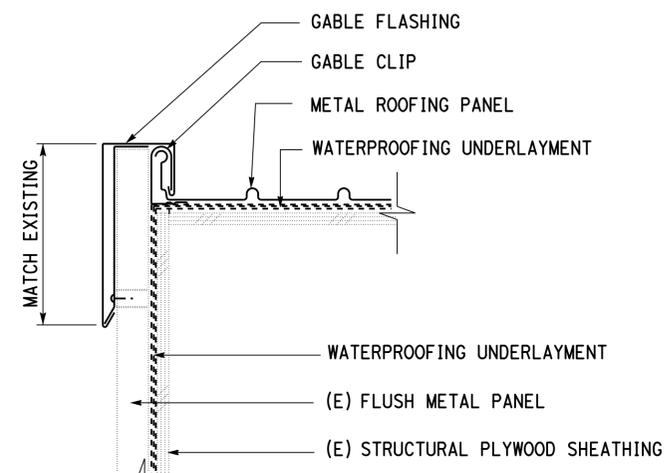
**1 SIGNAGE AND LOGO**  
 SCALE 1/8" = 1'-0"

NOTES: 1. Verify and adjust signage dimension to fit available wall space.  
 2. Signage and logo are to be on die cut adhesive back vinyl.

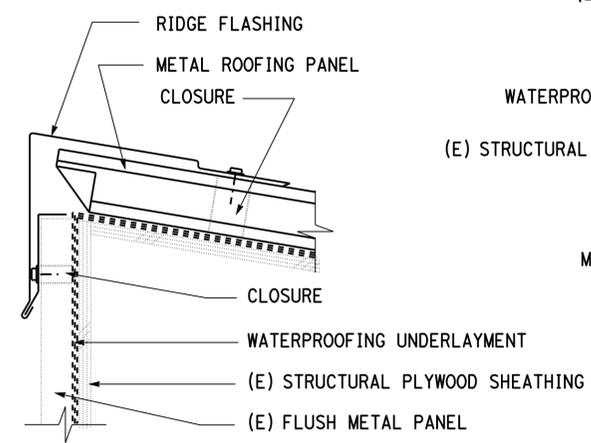
**3 LOGO ELEVATION**  
 SCALE 1/2" = 1'-0"



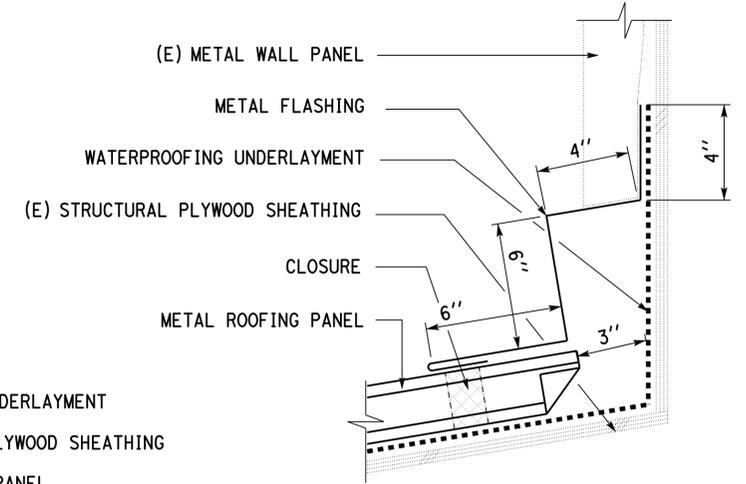
**2 ROOFING & FASCIA DETAILS**  
 SCALE 1-1/2" = 1'-0"



**4 GABLE**  
 SCALE 3" = 1'-0"



**5 RIDGE**  
 SCALE 3" = 1'-0"



**6 PITCHBREAK**  
 SCALE 3" = 1'-0"

DESIGN	BY D A Lowe	CHECKED D A Lowe
DETAILS	BY S W Yeh	CHECKED A Chung
QUANTITIES	BY S W Yeh	CHECKED D A Lowe

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
 ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 17W0002  
 POST MILE 19.3

DONNER PASS CVEF REHABILITATION  
 DETAILS

SHEET A1-2 OF

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Nev	80	19.3	13	26

*Dailu* 06-15-15  
REGISTERED CIVIL ENGINEER DATE

REG. NO. 67416  
Exp. 12-31-16  
CIVIL  
STATE OF CALIFORNIA

02-22-16  
PLANS APPROVAL DATE

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### ABBREVIATIONS

AAD	ADHESIVE ANCHORAGE DEVICE	HD	HOLDOWN
AB	ANCHOR BOLT	Hex	HEXAGON
AC	ASPHALT CONCRETE	Horiz	HORIZONTAL
Alt	ALTERNATE	HSB	HIGH STRENGTH BOLT
APA	AMERICAN PLYWOOD ASSOCIATION	HSS	HOLLOW STRUCTURAL SECTION
APC	ALTERNATIVE PIPE CULVERT	Jt	JOINT
Bldg	BUILDING	LOL	LAYOUT LINE
Blkg	BLOCKING	LVL	LAMINATED VENEER LUMBER
BN	BOUNDARY NAILING	m	METER
Btm	BOTTOM	Max	MAXIMUM
CB	CARRIAGE BOLT	MEA	MECHANICAL EXPANSION ANCHOR
CIDH	CAST IN DRILLED HOLE	Mech	MECHANICAL
CJ	CONTROL JOINT	Mfr	MANUFACTURER
Clr	CLEAR	mm	MILLIMETER
CMU	CONCRETE MASONRY UNIT	Min	MINIMUM
Conc	CONCRETE	MIW	MALLEABLE IRON WASHER
Const	CONSTRUCTION	OC	ON CENTER
Cont	CONTINUOUS	OG	ORIGINAL GRADE
CP	COMPLETE PENETRATION WELD	OH	OPPOSITE HAND
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 <i>Sean Samuel</i>		CHECKED <i>Joe Glendon</i>		APPROVED <i>R.C. Travis</i>		STATE OF CALIFORNIA		DIVISION OF ENGINEERING SERVICES		BRIDGE NO. 17W0002		DONNER PASS CVEF REHABILITATION		SHEET ST-1	
DRAWING DATE 1-04		DETAILS BY <i>Peter F. von Savoye, II</i>		CHECKED <i>Sean Samuel</i>		DESIGN SUPERVISOR		DEPARTMENT OF TRANSPORTATION		ARCHITECTURAL AND STRUCTURAL DESIGN		POST MILE 19.3		LEGEND			
TAEWW Imperlal Rev. 7/10		SUBMITTED BY <i>Sean Samuel</i>		DESIGN ENGINEER				UNIT: 3599 CONTRACT No.:03-0H1804		PROJECT NUMBER & PHASE 03150000901		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF	

26-FEB-2016 12:15

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**A FRAMING NOTES**

- Dimensions are typically shown to face of stud for exterior walls, to centerline of stud at interior walls, and to centerline of openings. Vertical dimensions are typically shown from rough floor or slab to top of plate or to underside of lintels. Dimensions shown as "clear" are from surface to surface.
- Bearing, shear and exterior walls 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 with 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 is 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	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Nev	80	19.3	14	26



**Dai Lu**  
 REGISTERED CIVIL ENGINEER  
 DATE 06-15-15  
 PLANS APPROVAL DATE 02-22-16

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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"

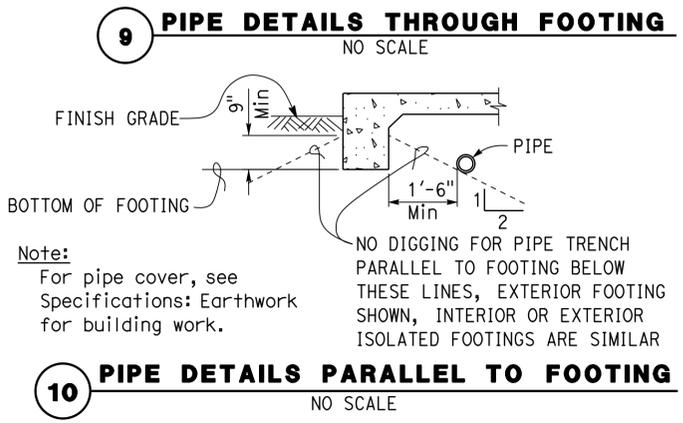
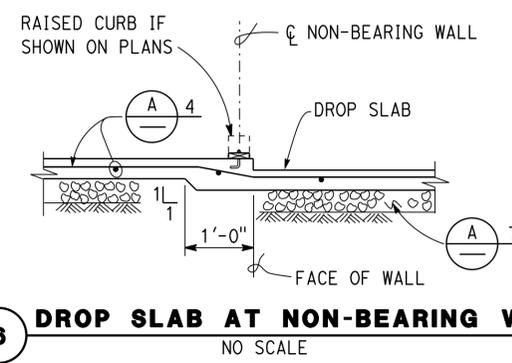
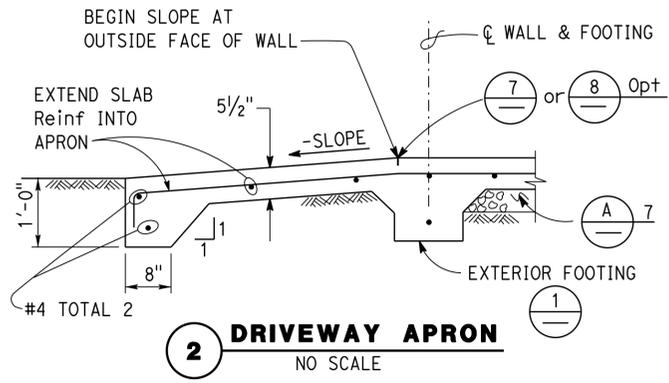
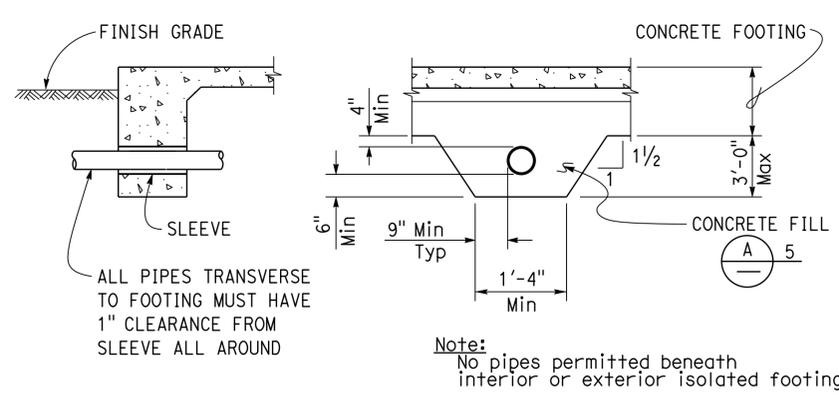
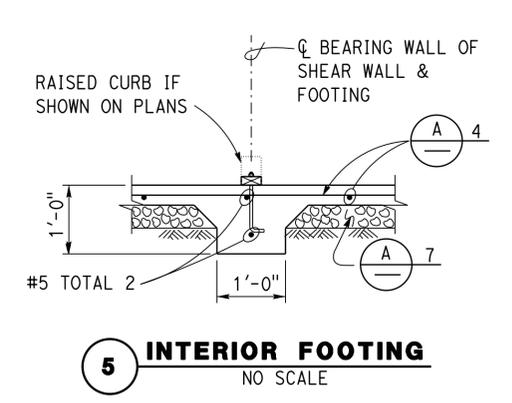
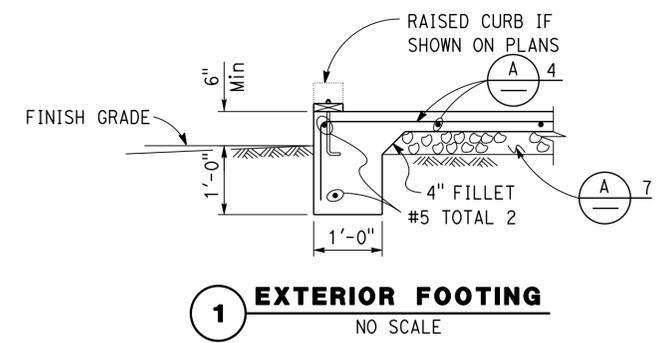
Place under Bolt Heads & Nuts bearing on Wood

- 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

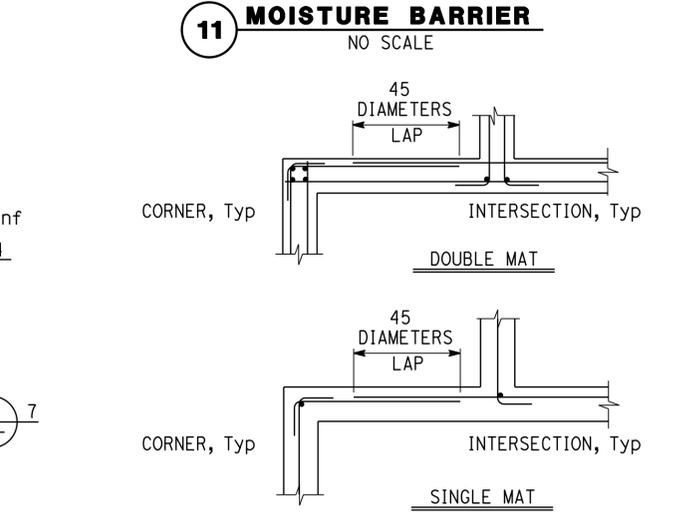
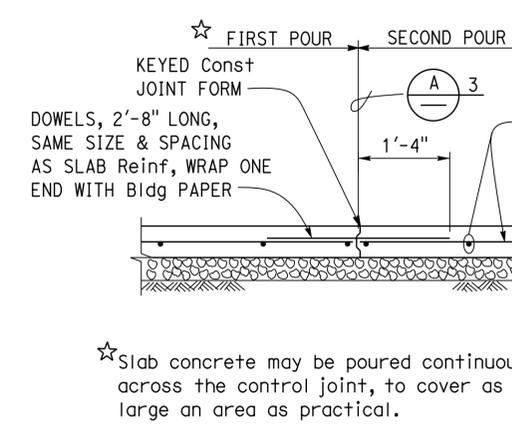
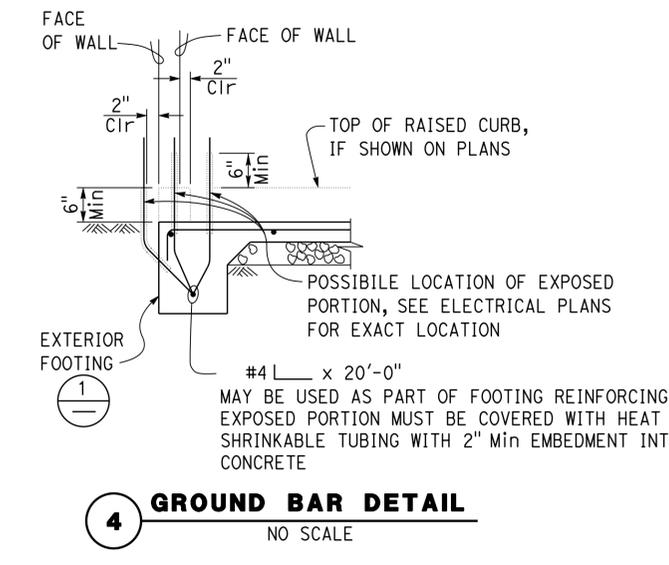
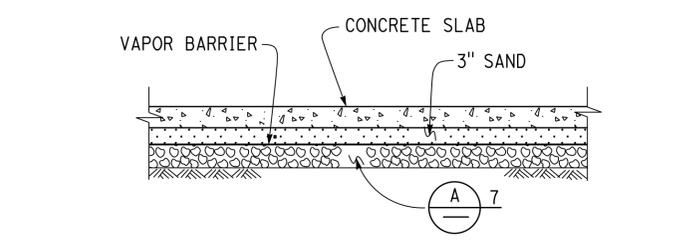
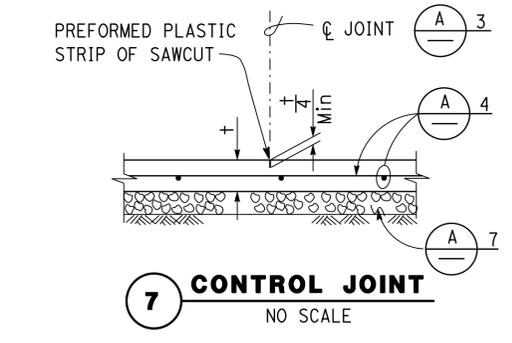
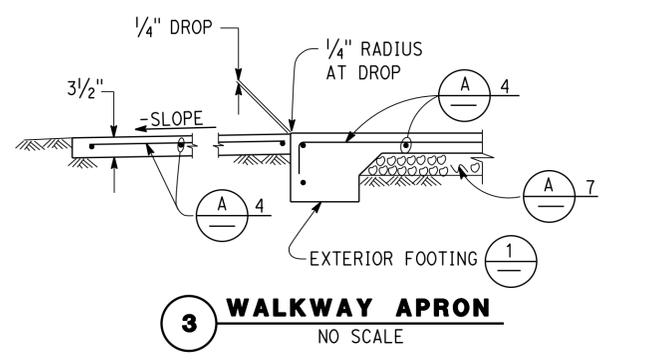
FILE NO. XS-25-5	DESIGN BY <i>Sean Samal</i>	CHECKED BY <i>Lee Gandy</i>	APPROVED BY <i>R.E. Travis</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 17W0002	DONNER PASS CVEF REHABILITATION	WOOD FRAMING STANDARD - NOTES	SHEET ST-1A
DRAWING DATE 1-04	DETAILS BY <i>Peter F. von Savoy</i>	CHECKED BY <i>Lee Gandy</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	POST MILE 19.3	POST MILE 19.3			
SUBMITTED BY <i>Sean Samal</i> , DESIGN ENGINEER				UNIT: 3599 CONTRACT No.:03-0H1804 PROJECT NUMBER & PHASE 03150000901			DISREGARD PRINTS BEARING EARLIER REVISION DATES		
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Nev	80	19.3	15	26
<i>Dailu</i> REGISTERED CIVIL ENGINEER			06-15-15 DATE	REGISTERED PROFESSIONAL ENGINEER No. 67416 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA	
02-22-16 PLANS APPROVAL DATE					
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- 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"



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 Sandoz</i>	CHECKED BY <i>Lee G. ...</i>	APPROVED BY <i>R.C. ...</i>	STATE OF CALIFORNIA	DIVISION OF ENGINEERING SERVICES	BRIDGE NO. 17W0002	DONNER PASS CVEF REHABILITATION	SHEET ST-2
DRAWING DATE 1-04	DETAILS BY <i>Peter F. ...</i>	CHECKED BY <i>...</i>	DESIGN SUPERVISOR	DEPARTMENT OF TRANSPORTATION	ARCHITECTURAL AND STRUCTURAL DESIGN	POST MILE 19.3	CONCRETE STANDARD	
SCALE: ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3		UNIT: 3599 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE 03150000901		DISREGARD PRINTS BEARING EARLIER REVISION DATES
						REVISION DATES (PRELIMINARY STAGE ONLY)		SHEET OF

26-FEB-2016 12:15 s10\_02.dgn

**PROJECT DESIGN CRITERIA**

The building work on this project has been designed to conform to the 2013 California Building Code

**LOADS**

**SEISMIC:** Risk Category = I  
 Importance Factor I = 1.0  
 Site Soil Class = E  
 $S_S = 1.15$        $S_{DS} = 0.69$   
 $S_I = 0.44$        $S_{DI} = 0.704$   
 Seismic Design Category = D

**WIND:** Basic Wind Speed = 110 mph      Risk Category = I  
 $K_z \cdot I = 1.0$       Exposure = C

**SNOW LOAD:**  $C_e = .9$        $C_t = 1.2$        $I = 0.80$   
 $P_g = 170$  psf  
 $P_f = 103$  psf

**MATERIALS**

**REINFORCED CONCRETE:** (Ultimate Strength Design) :  
 $f'_c = 3,600$  psi  
 $f_y = 60,000$  psi

**FOUNDATION:**  
 Foundation report dated : May 22, 2015  
 Allowable Soil Pressure (DL + LL) = 1,500 psf

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Nev	80	19.3	16	26

*Dai Lu*      06-15-15  
 REGISTERED CIVIL ENGINEER      DATE

REGISTERED PROFESSIONAL ENGINEER  
 No. 67416  
 Exp. 12-31-16  
 CIVIL  
 STATE OF CALIFORNIA

02-22-16  
 PLANS APPROVAL DATE

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DESIGN BY DAI LU	CHECKED JUSTIN UYEHARA	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO. 17W0002	DONNER PASS CVEF REHABILITATION	SHEET ST1-0	
DETAILS BY JANICE FUJII	CHECKED JUSTIN UYEHARA			POST MILE 19.3			DESIGN CRITERIA AND DETAIL NOTES
QUANTITIES BY	CHECKED			REVISION DATES (PRELIMINARY STAGE ONLY)			SHEET OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		0      1      2      3	UNIT: 3599 CONTRACT No.:03-0H1804 PROJECT NUMBER & PHASE 03150000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	03-14-09   08-24-12   02-05-15   03-28-15   05-27-15		

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	Nev	80	19.3	17	26

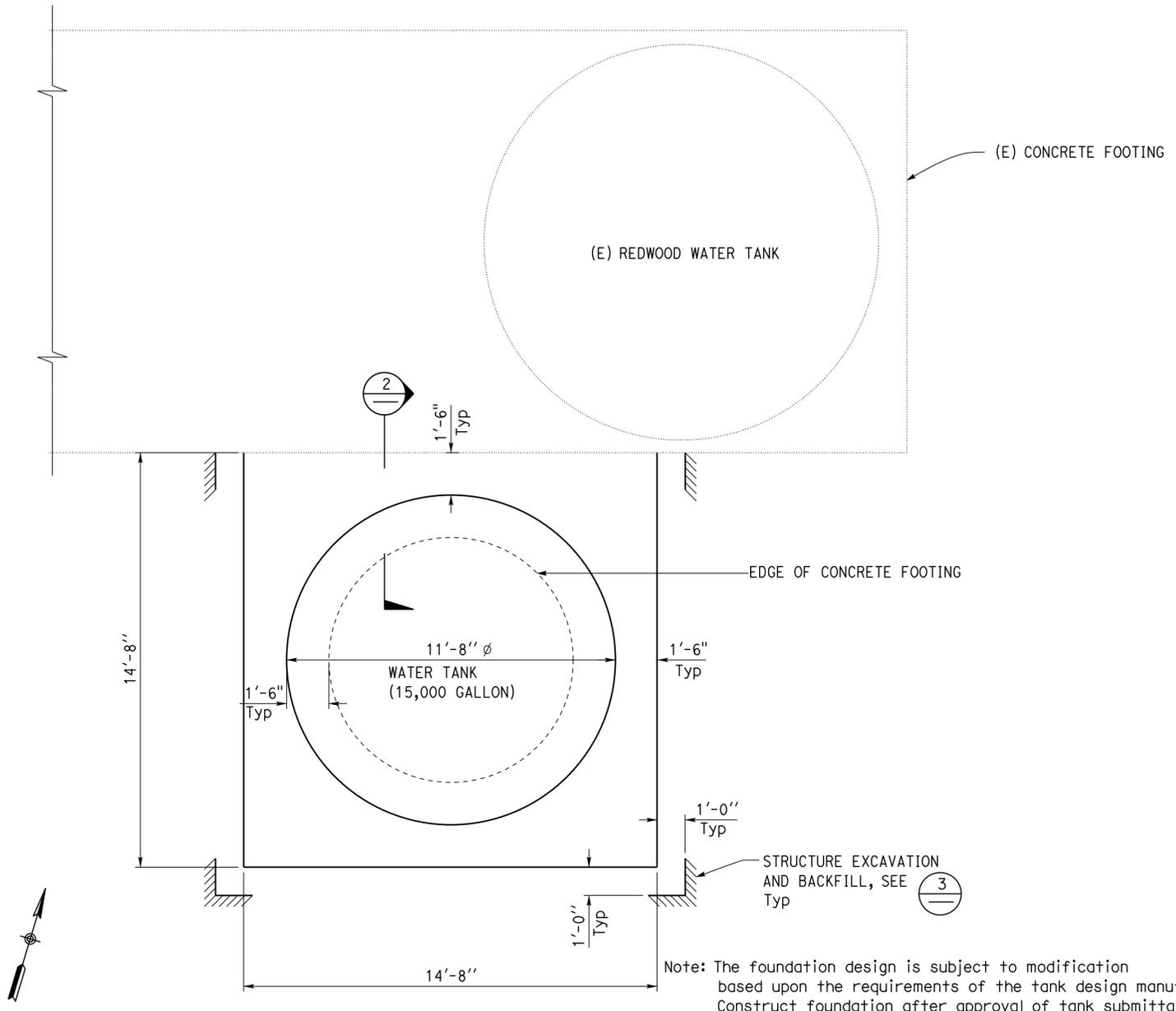
  

<i>Dai Lu</i>		06-15-15	REGISTERED PROFESSIONAL ENGINEER No. 67416 Exp. 12-31-16 CIVIL STATE OF CALIFORNIA
REGISTERED CIVIL ENGINEER	DATE		

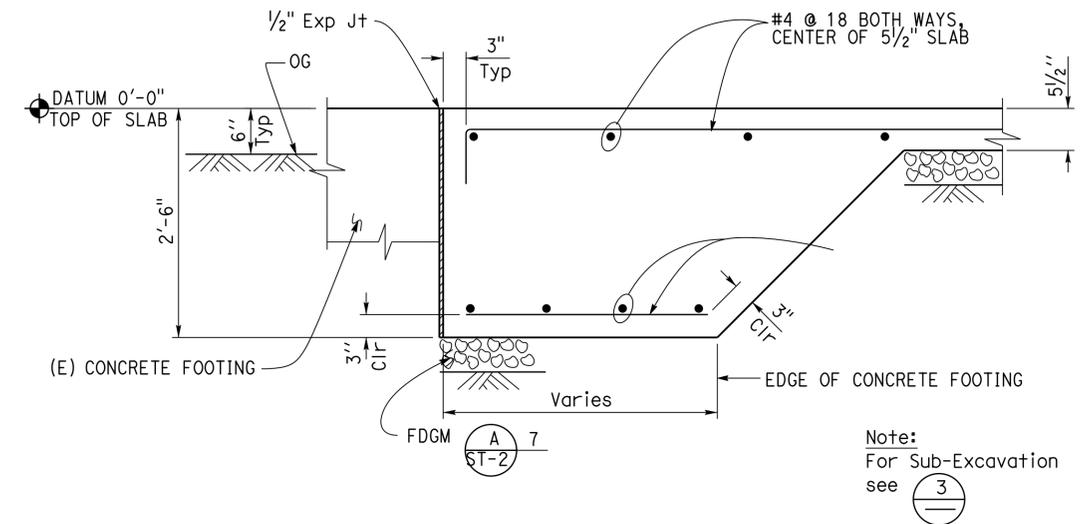
  

02-22-16
PLANS APPROVAL DATE

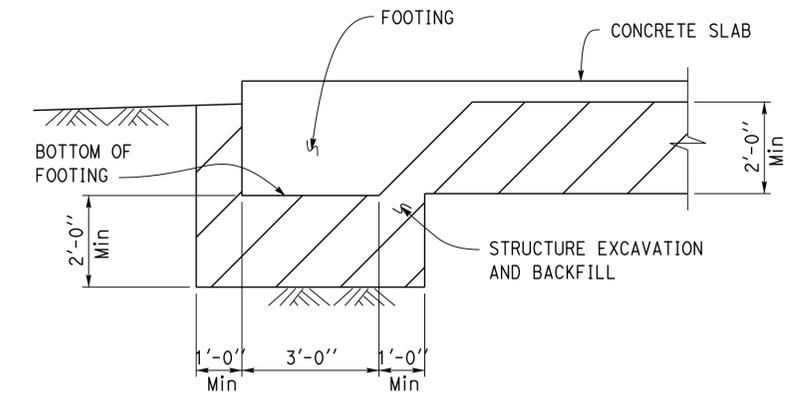
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**1 PLAN**  
3/8" = 1'-0"



**2 SLAB DETAIL**  
1" = 1'-0"



**3 STRUCTURE EXCAVATION AND BACKFILL LIMITS**  
1/2" = 1'-0"

DESIGN	BY DAI LU	CHECKED JUSTIN UYEHARA
DETAILS	BY JANICE FUJII	CHECKED JUSTIN UYEHARA
QUANTITIES	BY	CHECKED

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES  
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO.	17W0002
POST MILE	19.3

**DONNER PASS CVEF REHABILITATION**  
FOUNDATION PLAN

SHEET **ST1-1**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS



UNIT: 3599 CONTRACT No.:03-0H1804  
PROJECT NUMBER & PHASE 03150000901

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)				
03-11-15	03-20-15	04-21-15	05-27-15	06-15-15

SHEET OF

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

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	POLE-TOP ELECTROLIER	S	SINGLE-POLE SWITCH
	POLE-ARM ELECTROLIER	S2	DOUBLE-POLE SWITCH
		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	AUTOMATIC DOOR
	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
<b>NOTE:</b>	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
	├── L 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)		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		PRESSURE SWITCH
	FAN HANGER RECEPTACLE		CONTROL RELAY
	FLOOR SINGLE RECEPTACLE OUTLET		FLOW SWITCH
	FLOOR DUPLEX RECEPTACLE OUTLET		PHOTOELECTRIC UNIT
	FLOOR SPECIAL PURPOSE OUTLET		HAND DRYER NOZZLE
	FLOOR RADIO OUTLET		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		MOTOR CONTROLLER
	SOUND SYSTEM LOUD SPEAKER OUTLET		DISCONNECT SWITCH
	RADIO OUTLET		CONDUIT CONCEALED IN CEILING OR WALL
	TELEVISION OUTLET		CONDUIT CONCEALED IN FLOOR
	MICROPHONE OUTLET		CONDUIT EXPOSED
	THERMOSTAT		CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES 1#12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH 1#12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT 1/2" UNLESS OTHERWISE NOTED.
		A1,2	HOMERUN TO PANELBOARD, ARROWS INDICATE NUMBER OF CIRCUITS, LETTER DENOTES PANELBOARD, NUMERAL DENOTES CIRCUIT

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

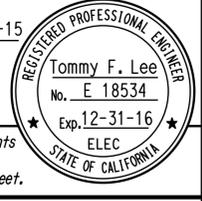
**REMODEL WORK**

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

**GRAPHIC SYMBOLS FOR ELECTRICAL DIAGRAMS**

SYMBOL	DESCRIPTION
	CIRCUIT BREAKER, SINGLE-POLE
	CIRCUIT BREAKER, DOUBLE-POLE
	CIRCUIT BREAKER, THREE-POLE
	CIRCUIT BREAKER, WITH GROUND FAULT CIRCUIT INTERRUPTER
	CIRCUIT BREAKER, SINGLE-POLE, SWITCHED NEUTRAL
	CONTACT, NORMALLY OPEN
	CONTACT, NORMALLY CLOSED
	CONTACT, NORMALLY CLOSED, TIME DELAY CLOSING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY OPENING ON DE-ENERGIZING
	CONTACT, NORMALLY OPEN, TIME DELAY CLOSING ON ENERGIZING
	CONTACT, NORMALLY CLOSED, TIME DELAY OPENING ON ENERGIZING
	CONTACT, SINGLE-POLE, DOUBLE-THROW
	OPERATING COIL
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY CLOSED
	LIQUID LEVEL ACTUATED SWITCH, NORMALLY OPEN
	PRESSURE ACTUATED SWITCH, NORMALLY CLOSED
	PRESSURE ACTUATED SWITCH, NORMALLY OPEN
	FLOW ACTUATED SWITCH, NORMALLY CLOSED
	FLOW ACTUATED SWITCH, NORMALLY OPEN
	TEMPERATURE ACTUATED SWITCH, NORMALLY CLOSED
	TEMPERATURE ACTUATED SWITCH, NORMALLY OPEN
	LIMIT SWITCH, NORMALLY CLOSED
	LIMIT SWITCH, NORMALLY OPEN
	PUSHBUTTON SWITCH, NORMALLY CLOSED
	PUSHBUTTON SWITCH, NORMALLY OPEN
	SWITCH, SINGLE-POLE
	SWITCH, SINGLE-POLE, DOUBLE-THROW
	SWITCH, DOUBLE-POLE
	SWITCH, DOUBLE-POLE, DOUBLE-THROW
	SWITCH, SINGLE-POLE, 3-POSITION
	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	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	18	26
Tommy F. Lee			07-20-15	REGISTERED PROFESSIONAL ENGINEER	
REGISTERED ELECTRICAL ENGINEER			DATE		
02-22-16			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: GARY BLUMENTHAL  
Approval date: 06-23-15  
CSFM# 01-29-11-0009

**PROJECT NOTES**

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

**STANDARD NOTES**

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

**SYMBOLS**

- ANGLE
- AT
- CENTER LINE
- DEGREES
- DELTA
- OHM(S)
- PHASE
- PLATE
- PLUS OR MINUS

DESIGN	BY Tommy F. Lee	CHECKED Jipinderpal Kaur	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	DONNER PASS CVEF REHABILITATION	SHEET EE-0	
	DETAILS	BY Dali Zhou			CHECKED Tommy F. Lee			17W0002
	QUANTITIES	BY Tommy F. Lee			CHECKED Jipinderpal Kaur			POST MILE 19.3
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS				0 1 2 3	UNIT: 3597 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
TAEWW Imperial - CCSC Rev. 02/13				P:\dist_03\0315000090 Donner Pass TIF Rehabs\expedite\ee_00.dgn				26-FEB-2016 12:15

**ABBREVIATIONS**

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	19	26

Tommy F. Lee 07-20-15  
 REGISTERED ELECTRICAL ENGINEER DATE  
 02-22-16  
 PLANS APPROVAL DATE

Tommy F. Lee  
 No. E 18534  
 Exp. 12-31-16  
 ELEC  
 STATE OF CALIFORNIA

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**A**

A AMPERES  
 AC ASPHALT CONCRETE  
 A/C AIR CONDITIONING UNIT  
 ACS AIR COMPRESSOR STARTER  
 AFCI ARC FAULT CIRCUIT INTERRUPTER  
 AI ANALOG INPUT  
 AL ALARM LIGHT  
 Alt ALTERNATOR  
 AO ANALOG OUTPUT  
 Approx APPROXIMATE  
 AR ALARM RESET  
 Arch ARCHITECTURAL  
 ATS AUTOMATIC TRANSFER SWITCH  
 Auto AUTOMATIC  
 AVC AIR VOLUME CONTROLLER  
 AWG AMERICAN WIRE GAUGE

**B**

BC BARE COPPER  
 BD BUILDING DISCONNECT  
 Bldg BUILDING  
 Bot BOTTOM  
 BP BOOSTER PUMP  
 Brk BREAKER  
 B+wn BETWEEN

**C**

C CONDUIT  
 Cat CATEGORY  
 CB CIRCUIT BREAKER  
 CC CENTER CHANNEL LIGHT  
 CCTV CLOSED CIRCUIT TELEVISION  
 CD CONTROL DISCONNECT  
 Ckt CIRCUIT  
 CL CHAIN LINK  
 Clr CLEAR  
 CM CENTER MARGIN LIGHT  
 CMP CORRUGATED METAL PIPE  
 CMS CHANGEABLE MESSAGE SIGN  
 Col COLUMN  
 Comm COMMUNICATION  
 Conc CONCRETE  
 Cont CONTINUED or CONTINUOUS  
 CPU CENTRAL PROCESSING UNIT  
 CR CONTROL RELAY  
 CS CURRENT SWITCH  
 CT CURRENT TRANSFORMER  
 Ctr CENTER

**D**

D DEPTH  
 DI DIGITAL INPUT  
 Dia DIAMETER  
 DLC LOOP DETECTOR LEAD-IN CABLE  
 DO DIGITAL OUTPUT  
 DP DUPLEX PLUG RECEPTACLE  
 DS DOOR SWITCH

**E**

(E) EXISTING  
 Ea EACH  
 EB EASTBOUND  
 EF EXHAUST FAN  
 Elect ELECTRICAL  
 Elev ELEVATION

**E (Continued)**

EMS EXTINGUISHABLE MESSAGE SIGN  
 ENET ETHERNET NETWORK  
 Eq EQUAL  
 EWC ELECTRIC WATER COOLER  
 EWH ELECTRIC WATER HEATER

**F**

F FUSE  
 FA AC FUSE  
 FACP FIRE ALARM CONTROL PANEL  
 FC FOOTCANDLE(S)  
 FD DC FUSE  
 FG FINISH GRADE  
 FL FAILURE LIGHT  
 Fla FLASHER  
 Flex FLEXIBLE  
 FLS FLOW SWITCH  
 FO FIBER OPTIC  
 FR FAILURE RESET or FLAME RESISTANT  
 FS FLOAT SWITCH  
 ft FOOT or FEET  
 Ftg FOOTING

**G**

G GROUND  
 Ga GAUGE  
 Gal GALLON  
 Galv GALVANIZED  
 GFCI GROUND FAULT CIRCUIT INTERRUPTER  
 GRS GALVANIZED RIGID STEEL  
 GWH GAS WATER HEATER

**H**

H HEIGHT  
 HD HAND DRYER  
 HIRH HIGH INTENSITY RADIANT HEATER  
 hp HORSEPOWER  
 HPS HIGH PRESSURE SODIUM  
 Hz HERTZ

**I**

IACP INTRUSION ALARM CONTROL PANEL  
 IC IRRIGATION CONTROLLER  
 ICC IRRIGATION CONTROLLER CABINET  
 IFS INTEGRATED FACILITY SYSTEM  
 IL INDICATING LIGHT  
 in INCH(ES)  
 Info INFORMATION  
 IR INDUCTION RELAY  
 ISR INTRINSICALLY SAFE RELAY  
 IWH INSTANT WATER HEATER

**J**

JB JUNCTION BOX

**K**

kV KILOVOLT  
 kVA KILOVOLT AMPERES  
 kW KILOWATT

**L**

L LIGHT or LENGTH  
 LC LIGHTING CONTACTOR  
 LCD LIQUID CRYSTAL DISPLAY  
 LCP LIGHTING CONTROL PANEL

**L (Continued)**

LD LIGHT DISCONNECT  
 LDCI LEAK DETECTOR CIRCUIT INTERRUPTER  
 LED LIGHT EMITTING DIODE  
 LIRH LOW INTENSITY RADIANT HEATER  
 LL LIQUID LEVEL RELAY  
 LLC LIQUID LEVEL CONTROLLER  
 LP LIGHT PANEL  
 LPG LIQUID PROPANE GAS  
 LPS LOW PRESSURE SODIUM  
 LS LIGHT SWITCH  
 LT LIGHT TRANSFORMER  
 LTO LIGHT TRANSFORMER OVERLOAD  
 LTPD LIGHT TRANSFORMER PRIMARY DISCONNECT  
 LTSD LIGHT TRANSFORMER SECONDARY DISCONNECT  
 LWR LOW WATER RELAY

**M**

mA MILLIAMPERE  
 Man MANUAL  
 Max MAXIMUM  
 MB MAIN BREAKER  
 MC METALLIC CONDUIT  
 MCP MOTOR CIRCUIT PROTECTOR  
 MCC MOTOR CONTROL CENTER  
 MD MOTOR DISCONNECT  
 Mech MECHANICAL  
 Mfr MANUFACTURER  
 MH MOUNTING HEIGHT  
 Min MINIMUM  
 Misc MISCELLANEOUS  
 MR MASTER RELAY/STARTER  
 MS MOTOR SAVER  
 MSB MAIN SWITCHBOARD  
 MT EMPTY CONDUIT  
 mts MINUTE(S)  
 MTS MANUAL TRANSFER SWITCH

**N**

N NEUTRAL  
 (N) NEW  
 Nav NAVIGATIONAL LIGHTS  
 NB NEUTRAL BUS or NORTHBOUND  
 NC NORMALLY CLOSED  
 NIC NOT IN CONTRACT  
 No. NUMBER  
 Nos. NUMBERS  
 NO NORMALLY OPEN  
 NSW NEUTRAL SWITCHING BREAKER  
 NTS NOT TO SCALE

**O**

OC ON CENTER  
 OG ORIGINAL GROUND  
 OH OVERHEIGHT or OVERHEAD  
 OIT OPERATOR INTERFACE TERMINAL  
 OL OVERLOAD

**P**

P POLE (CIRCUIT BREAKER)  
 PB PULL BOX or PUSHBUTTON  
 PCC PORTLAND CEMENT CONCRETE  
 PCP PUMP CONTROL PANEL  
 PD PUMP DISCONNECT  
 PEC PHOTOELECTRIC CONTROL  
 PEU PHOTOELECTRIC UNIT  
 PFR PHASE FAILURE RELAY

**P (Continued)**

PFRD PHASE FAILURE RELAY DISCONNECT  
 PL PILOT LIGHT  
 PLC PROGRAMMABLE LOGIC CONTROLLER  
 PS POWER SUPPLY or PRESSURE SWITCH  
 PTS POWER TRANSFER SWITCH  
 PV PHOTOVOLTAIC  
 PVC POLYVINYL CHLORIDE

**R**

RD RECEPTACLE DISCONNECT  
 RECEPT RECEPTACLE  
 Req REQUIRED  
 Res RESISTOR  
 RH RADIANT HEATER  
 RIO REMOTE INPUT/OUTPUT  
 RLM REDUNDANCY LINK MODULE  
 Rm ROOM  
 RTB RADIO TERMINAL BOARD  
 Rte ROUTE  
 R/W RIGHT OF WAY

**S**

s SECOND(S)  
 S STARTER COIL  
 SB SOUTHBOUND  
 Sch SCHEDULE  
 SD SERVICE DISCONNECT  
 SF SQUARE FEET  
 SFR SEAL FAILURE RELAY  
 SL SUMP LIGHT  
 SPR STANDBY POWER RECEPTACLE  
 Sq SQUARE  
 SS SELECTOR SWITCH  
 ST STARTER  
 SST STAINLESS STEEL  
 Sta STATION  
 Std STANDARD  
 Struc STRUCTURAL  
 SV SOLENOID VALVE  
 SWIM SLOW WEIGH-IN-MOTION

**T**

TB TERMINAL BLOCK  
 TBD TO BE DETERMINED  
 TC TELEPHONE CABLE  
 TDR TIME DELAY RELAY  
 Tel TELEPHONE  
 TGLS TOGGLE SWITCH  
 TM TIME METER  
 Tot TOTAL  
 TS TIMER SWITCH or TEMPERATURE SWITCH  
 TSW TEST SWITCH  
 TTb TELEPHONE TERMINAL BOARD  
 Typ TYPICAL

**U**

UPS UNINTERRUPTIBLE POWER SUPPLY

**V**

V VOLT(S)  
 V(ac) VOLTAGE ALTERNATING CURRENT  
 Var VARIABLE or VARIES  
 V(dc) VOLTAGE DIRECT CURRENT  
 VFD VARIABLE FREQUENCY DRIVE

**W**

W WATT or WIDTH  
 W/ WITH  
 WB WESTBOUND  
 WH WALL HEATER  
 WIM WEIGH-IN-MOTION  
 WLS WATER LEVEL SWITCH  
 W/O WITHOUT  
 WP WEATHERPROOF  
 WSMS WEIGH STATION MESSAGE SIGN

**X**

XFMR TRANSFORMER

**CALIFORNIA STATE FIRE MARSHAL APPROVED**

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Reviewed by:   
 GARY BLUMENTHAL  
 Approval date: 06-23-15  
 CSFM# 01-29-11-0009

DESIGN	BY	Tommy F. Lee	CHECKED	Jipinderpal Kaur	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	17W0002	DONNER PASS CVEF REHABILITATION	SHEET EE-1	
	DETAILS	BY	Dali Zhou	CHECKED			Tommy F. Lee	POST MILE			19.3
	QUANTITIES	BY	Tommy F. Lee	CHECKED			Jipinderpal Kaur	NOTES AND ABBREVIATIONS			

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

UNIT: 3597 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 0315000090

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)				SHEET	OF
17-15	5-15	7-20-15			

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	20	26

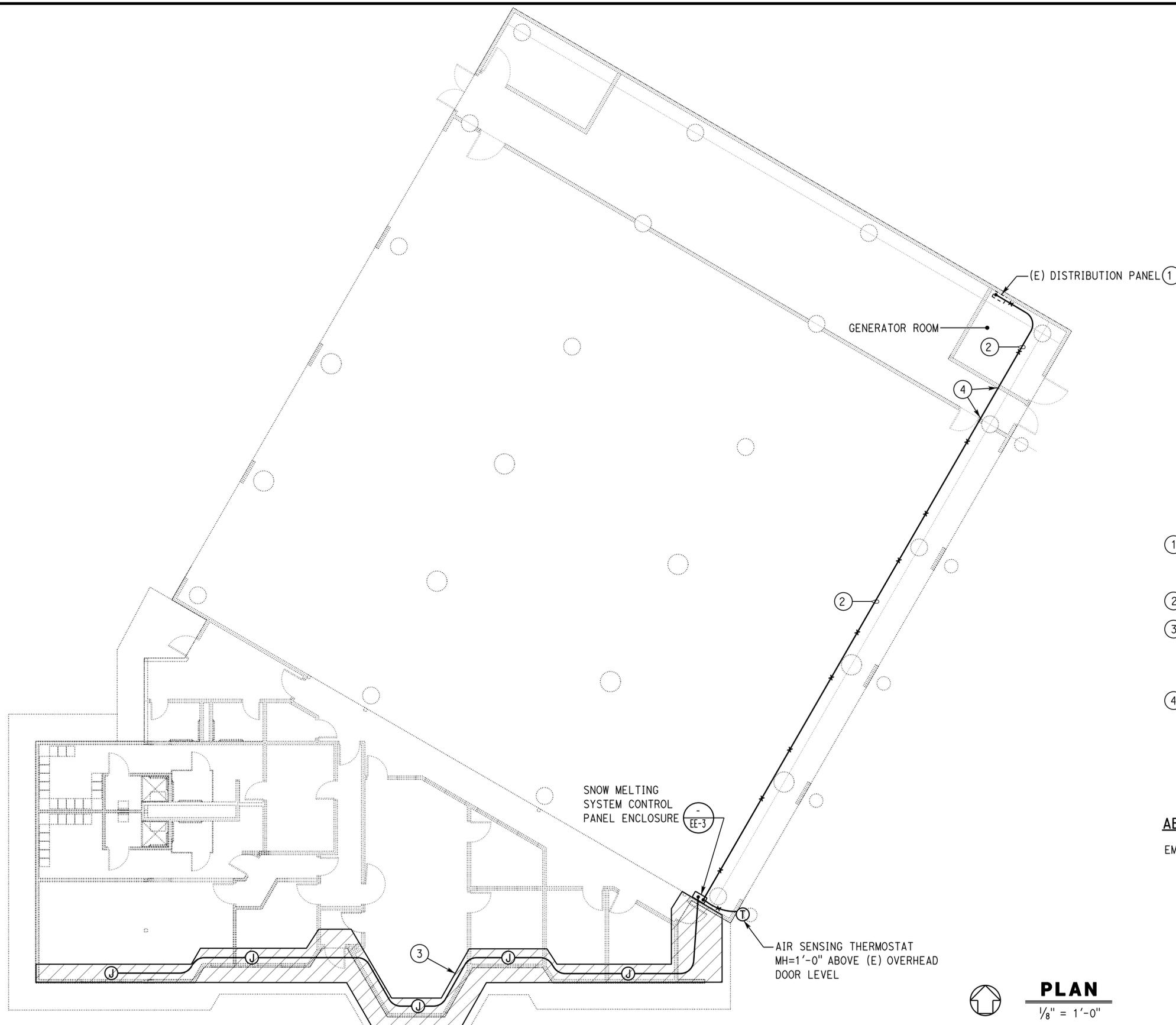
Tommy F. Lee 07-20-15  
REGISTERED ELECTRICAL ENGINEER DATE  
02-22-16  
PLANS APPROVAL DATE

Tommy F. Lee  
No. E 18534  
Exp. 12-31-16  
ELEC  
STATE OF CALIFORNIA

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CSFM# 01-29-11-0009



**GENERAL NOTES:**

- A. For area of low voltage snow melting heating elements layout plan, see Architectural sheets A1-1 and A1-2.
- B. All conduits must be concealed in attic space at Office areas.

**NOTES:**

- ① Existing Distribution Panel is Cutler Hammer, Type PH Panelboard, 600 A, 240/120 Volt, Single phase, 3-wire. Install (3) 30 A, 2-pole circuit breakers in place of 5-7, 9-11, and 13-15 respectively.
- ② 1/2" C, EMT, 6#4, 1#8G.
- ③ Crosshatched area for snow melting system includes low voltage snow melting heating elements, thermostat, and conduits and conductors. Conduits and conductors must be designed and sized from the system manufacturer.
- ④ Core drill as required through the existing wall to install conduit. Paint and patch wall to match existing.

**ABBREVIATION (This sheet only):**

EMT ELECTRICAL METALLIC TUBING

**PLAN**  
1/8" = 1'-0"

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 DESIGN SUPERVISOR  DESIGN ENGINEER	DESIGN	BY Tommy F. Lee	CHECKED Jipinderpal Kaur	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	17W0002	<b>DONNER PASS CVEF REHABILITATION</b> SNOW MELTING SYSTEM PLAN	SHEET <b>EE-2</b> OF
	DETAILS	BY Dali Zhou	CHECKED Tommy F. Lee			POST MILE	19.3		
	QUANTITIES	BY Tommy F. Lee	CHECKED Jipinderpal Kaur	UNIT: 3597 CONTRACT No.: 03-OH1804	PROJECT NUMBER & PHASE: 03150000901	REVISION DATES (PRELIMINARY STAGE ONLY) 3-25-15 4-7-15 4-10-15 5-1-15 7-20-15		SHEET	OF

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

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	21	26

Tommy F. Lee 07-20-15  
REGISTERED ELECTRICAL ENGINEER DATE

02-22-16  
PLANS APPROVAL DATE

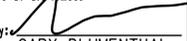
Tommy F. Lee  
No. E 18534  
Exp. 12-31-16  
ELEC  
STATE OF CALIFORNIA

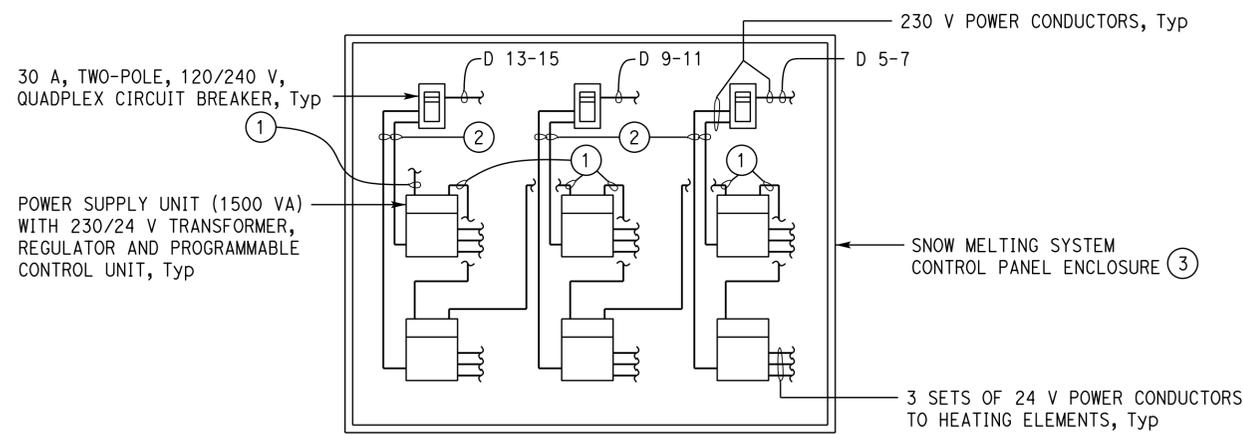
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- NOTES:
- 1 Install control cables/conductors as required.
  - 2 2#10, 1#12G
  - 3 Install Arc Flash warning label, see Detail 1 on this sheet.

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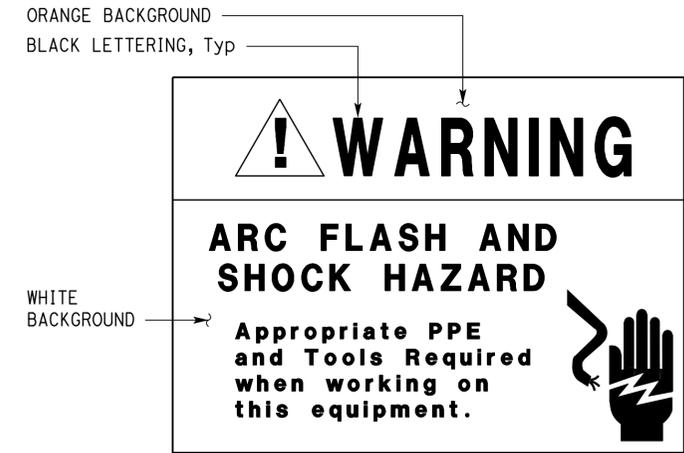
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GARY BLUMENTHAL  
Approval date: 06-23-15  
CSFM# 01-29-11-0009



**SNOW MELTING SYSTEM CONTROL PANEL ENCLOSURE**

NO SCALE  
(CONTROL PANEL EXTERIOR DOOR AND HINGED INTERIOR DEADFRONT PANEL NOT SHOWN)



**1 WARNING LABEL**  
NO SCALE

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

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	DETAILS	BY	Dali Zhou	CHECKED			Tommy F. Lee	POST MILE			19.3
	QUANTITIES	BY	Tommy F. Lee	CHECKED			Jipinderpal Kaur	REVISION DATES (PRELIMINARY STAGE ONLY)			4-7-15, 4-18-15, 5-1-15, 7-20-15

UNIT: 3597 CONTRACT No.: 03-OH1804 PROJECT NUMBER & PHASE: 03150000901

DISREGARD PRINTS BEARING EARLIER REVISION DATES

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

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	22	26

Tommy F. Lee  
REGISTERED ELECTRICAL ENGINEER DATE 07-20-15  
PLANS APPROVAL DATE 02-22-16  
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REGISTERED PROFESSIONAL ENGINEER  
Tommy F. Lee  
No. E 18534  
Exp. 12-31-16  
ELEC  
STATE OF CALIFORNIA

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Reviewed by: GARY BLUMENTHAL  
Approval date: 06-23-15  
CSFM# 01-29-11-0009

GENERAL NOTES:

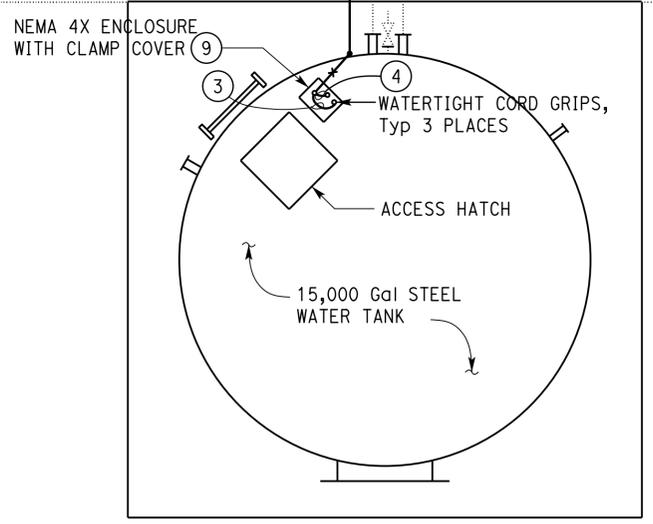
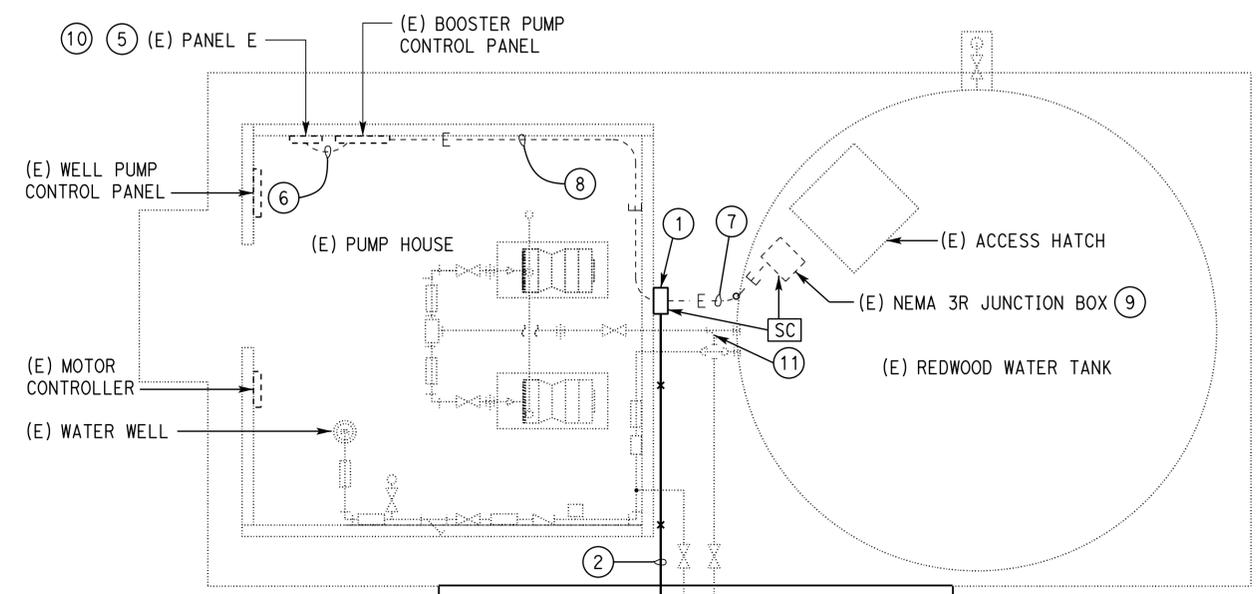
- A. For exact locations and elevation of float switches (WLS1,WLS2,WLSA) and immersion water heater, see Water sheet W1-2.
- B. Splice and connect new heat tracing tape to existing system.

NOTES:

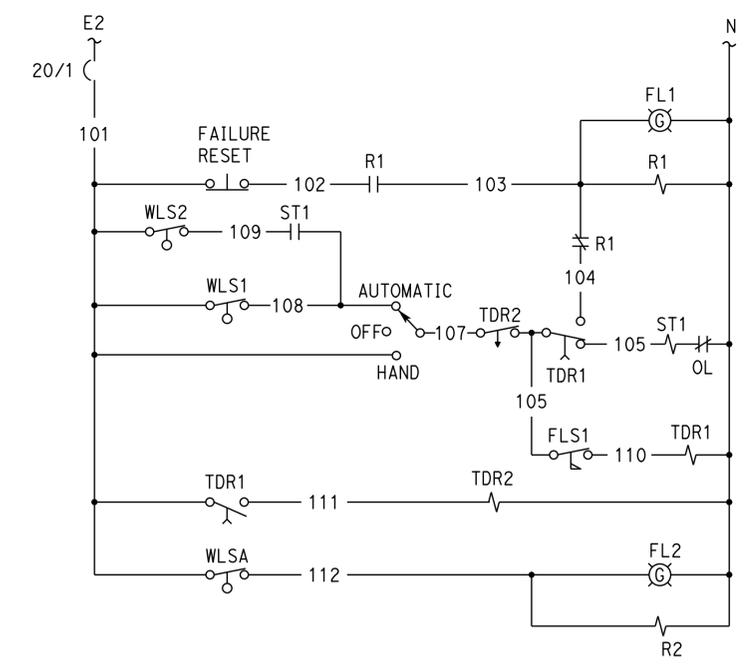
- ① Intercept existing conduit and install NEMA 3R junction box.
- ② 3/4"C, RSC, 3 float switch cables, 2#12 (WLS1,WLS2,WLSA,E14), 1#12G. Provide conduit support blocks on floor.
- ③ 2#12 (E14), 1#12G to water heater.
- ④ 3 float switch cables (WLS1,WLS2,WLSA), splice float switch cable conductors inside the enclosure.
- ⑤ Install 20 A, single pole GFCI circuit breaker in space of number 14.
- ⑥ Add 2#12, 1#12G (E14) to existing conduit.
- ⑦ Remove existing conductors and install 2#12 (E10), 1#12G.
- ⑧ Existing 3 float switch cables, 2#12 and add 2#12 (E14), 1#12G.
- ⑨ Use weatherproof wire connectors to splice conductors inside the box.
- ⑩ Replace existing circuit breaker with GFCI type circuit breaker on circuit number E10.
- ⑪ Splice self regulating heat tracing tape with weatherproof wire connectors.

ABBREVIATION (This sheet only):

RSC RIGID STEEL CONDUIT



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



**(E) WELL PUMP CONTROL SCHEMATIC**

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DESIGN BY Tommy F. Lee CHECKED Jipinderpal Kaur	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 17W0002	DONNER PASS CVEF REHABILITATION	SHEET EE-4	
			POST MILE 19.3			WATER STORAGE TANK
			UNIT: 3597 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901			

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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3  
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# ABBREVIATIONS

A	AIR	In	INCH	WW	WASTEWATER
AB	AGGREGATE BASE	JB	JUNCTION BOX	W/O	WITHOUT
Arch	ARCHITECTURAL	kW	KILOWATT	WP	WATER PIPE
B	BUNG	L	LENGTH	WSP	WELDED STEEL PIPE
Bldg	BUILDING	Lb	POUND		
C	CONDUIT	LIS	LANDSCAPE IRRIGATION		
C-C	CENTER TO CENTER	L+	LEFT		
Cfs	CUBIC FEET PER SECOND	Max	MAXIMUM		
CI	CAST IRON	MBV	MOTORIZED BALL VALVE		
CL	CHAIN LINK	Mech	MECHANICAL		
CMP	CORRUGATED METAL PIPE	MH	MANHOLE		
Conc	CONCRETE	MEMB	MEMBRANE		
CO	CLEANOUT	Min	MINIMUM		
COTF	CLEANOUT TO FLOOR	(N)	NEW		
COTG	CLEANOUT TO GRADE	N	NORTH		
Cplg	COUPLING	NB	NORTHBOUND		
CW	COLD WATER PIPE	NIC	NOT IN CONTRACT		
D	DRAIN / OR DEPTH	No	NUMBER		
DI	DRAIN INLET	NTS	NOT TO SCALE		
Dia	DIAMETER	OC	ON CENTER		
DP	DRAIN PIPE	OD	OUTSIDE DIAMETER		
Elect	ELECTRICAL	OG	ORIGINAL GROUND		
(E)	EXISTING	P	PITCH		
Ea	EACH	PCC	PORTLAND CEMENT CONCRETE		
EB	EASTBOUND	PH	PHASE		
EEWS	EMERGENCY EYE WASH SHOWER	PRV	PRESSURE REDUCING VALVE		
Elev	ELEVATION	PVC	POLYVINYL CHLORIDE		
EP	EDGE OF PAVEMENT	R	RADIUS		
EPDM	ETHYLENE PROPYLENE DIMONOMER PIPE	RCP	REINFORCED CONCRETE PIPE		
Eq	EQUAL	Req	REQUIRED		
FD	FLOOR DRAIN	RPM	REVOLUTIONS PER MINUTE		
FOB	FACE OF BUILDING	RBPB	REDUCED PRESSURE BACK FLOW PREVENTER		
FF	FINISH FLOOR	RPU	RECYCLE PROCESS UNIT		
FG	FINISH GRADE	RT	RIGHT		
FL	FLOW LINE	RV	RELIEF VALVE		
FM	FORCE MAIN	R/W	RIGHT-OF-WAY		
FOC	FACE OF CONCRETE	S	SLOPE		
FLS	FLOW SWITCH	SB	SOUTHBOUND		
F+	FEET	Sch	SCHEDULE		
FTR	FLUE THROUGH ROOF	SD	STORM DRAIN		
Ga	GAUGE	SDS	SANITARY DUMP STATION		
GAC	GRANULAR ACTIVATED CARBON	SP	SEWAGE PIPE		
Gal	GALLON	Sq	SQUARE		
GPM	GALLONS PER MINUTE	SST	STAINLESS STEEL		
Galv	GALVANIZED	Sta	STATION		
GSP	GALVANIZED STEEL PIPE	STD	STANDARD BENCH MARK		
GV	GATE VALVE	Struc	STRUCTURAL		
GS	GOVERNMENT SERVICE LINE	TBM	TEMPORARY BENCH MARK		
H	HEIGHT	TOC	TOP OF CONCRETE		
H/C	HOT WATER CLEANER	To+	TOTAL		
HF	HOSE FAUCET	Typ	TYPICAL		
HMA	HOT MIX ASPHALT	VAC	VOLTAGE ALTERNATING CURRENT		
HP	HORSEPOWER	VCP	VITRIFIED CLAY PIPE		
ID	INSIDE DIAMETER	W	WATER		
IE	INVERT ELEVATION (IN FEET)	WB	WESTBOUND		

# 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 (E)
	RETURN DRAIN		BENCHMARK ELEVATION
	VENT		SECTION / ELEVATION LETTER SHEET NUMBER
	WATER		TREE
	FORCE MAIN		DIRECTION OF TRAFFIC
	LEACH LINES		
	ELECTRICAL LINES		

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	23	26

REGISTERED CIVIL ENGINEER DATE 05-01-15  
 PLANS APPROVAL DATE 02-22-16  
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# PIPE FITTINGS AND VALVES

	EMERGENCY EYE WASH & SHOWER
	FLOW METER
	SOLENOID VALVE
	CAP, THREADED
	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
	WATER METER
	HOSE FAUCET

# GENERAL WORK NOTES

1. Verify all controlling field dimensions and conditions before ordering or fabricating any materials.
2. Verify exact location of all underground facilities and utilities prior to start of construction.
3. No 90 degree bends allowed on drain or sewage pipe. Where 90 degree bends are shown, use two 45 degree bends.

# SYMBOLS

	PLATE
	CENTER LINE
	DIAMETER

DESIGN	BY	G. Panuschka	CHECKED	J. Marcotte	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	<b>DONNER PASS CVEF REHABILITATION</b>  NOTES, LEGEND, AND ABBREVIATIONS	SHEET	<b>W1-0</b>	
	DETAILS	BY	J.R. Stangl	CHECKED			G. Panuschka		17W0002		OF
	QUANTITIES	BY	G. Panuschka	CHECKED			J. Marcotte		POST MILE		19.3

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS: 0 1 2 3  
 UNIT: 3616 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901  
 DISREGARD PRINTS BEARING EARLIER REVISION DATES → 5-1-15  
 REVISION DATES (PRELIMINARY STAGE ONLY)

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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	24	26

<i>G. Panuschka</i> REGISTERED CIVIL ENGINEER	05-01-15 DATE
02-22-16 PLANS APPROVAL DATE	

REGISTERED PROFESSIONAL ENGINEER

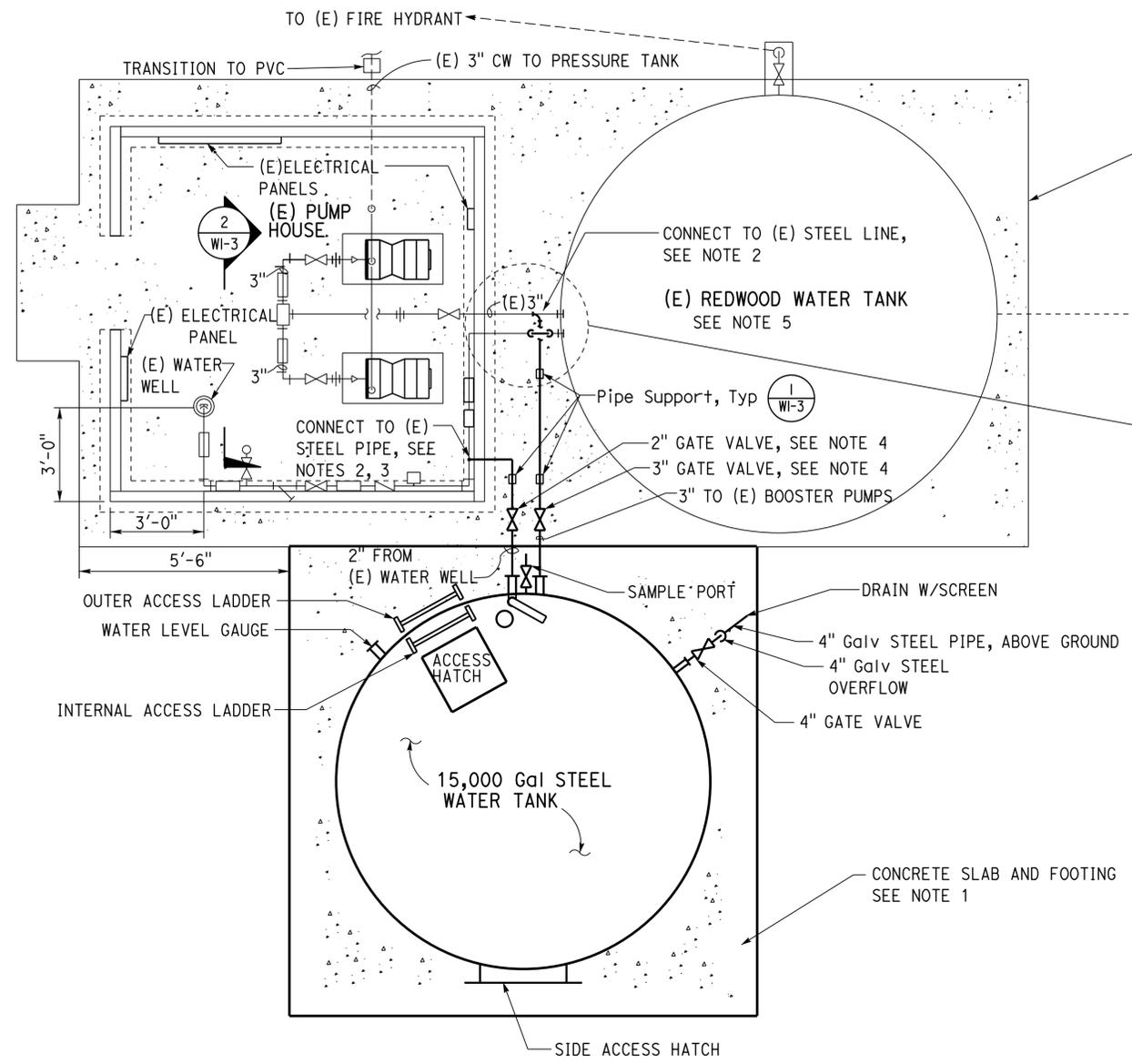
G. PANUSCHKA  
No. C 52670  
Exp. 12-31-16  
CIVIL  
STATE OF CALIFORNIA

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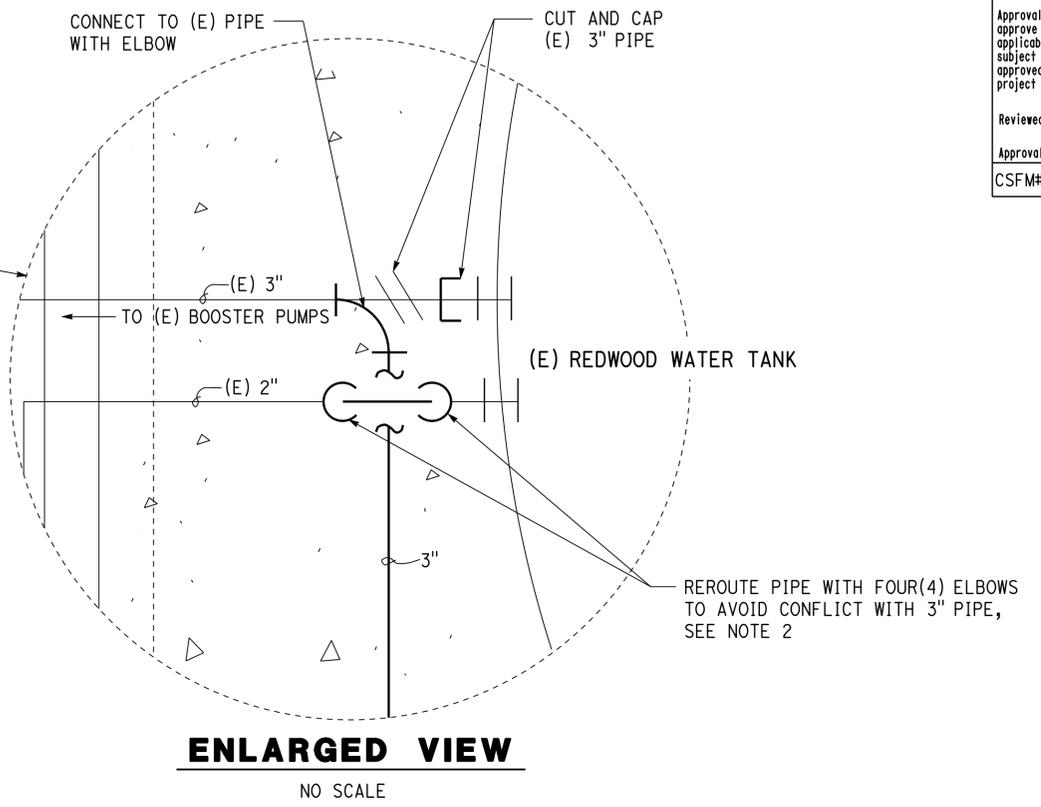
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Approval date: 06-23-15  
CSFM# 01-29-11-0009



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



**ENLARGED VIEW**  
NO SCALE

- NOTES:**
- For concrete slab and footing details, see structural sheets.
  - All above-ground pipes containing water must be wrapped with self regulating heat tracing tape similar to existing and weather protected fiberglass insulation, 2" thick.
  - Remove pipe insulation, install tee facing down, gate valve, and 90° elbow facing the back wall. Core through wall and install pipe to new tank. Seal gap around pipe at wall penetration. Replace pipe insulation and heat tracing tape, including new gate valve.
  - Provide fiberglass insulation with molded PVC cover for weather protection.
  - Keep existing redwood tank in place for fire water storage. Remove existing float level sensors. Keep existing heat lamps.

<i>Jasvinder S Gill</i> DESIGN SUPERVISOR <i>Jerome R. Yanette</i> DESIGN ENGINEER	DESIGN	BY G. Panuschka	CHECKED J. Marcotte	<b>STATE OF CALIFORNIA</b> DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	<b>DONNER PASS CVEF REHABILITATION</b> WATER STORAGE TANK	SHEET
	DETAILS	BY J.R. Stangl	CHECKED G. Panuschka			17W0002		OF
	QUANTITIES	BY G. Panuschka	CHECKED J. Marcotte			POST MILE		
						19.3		

UNIT: 3616 CONTRACT No.: 03-0H1804	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET	OF
PROJECT NUMBER & PHASE: 03150000901		5-1-15		

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

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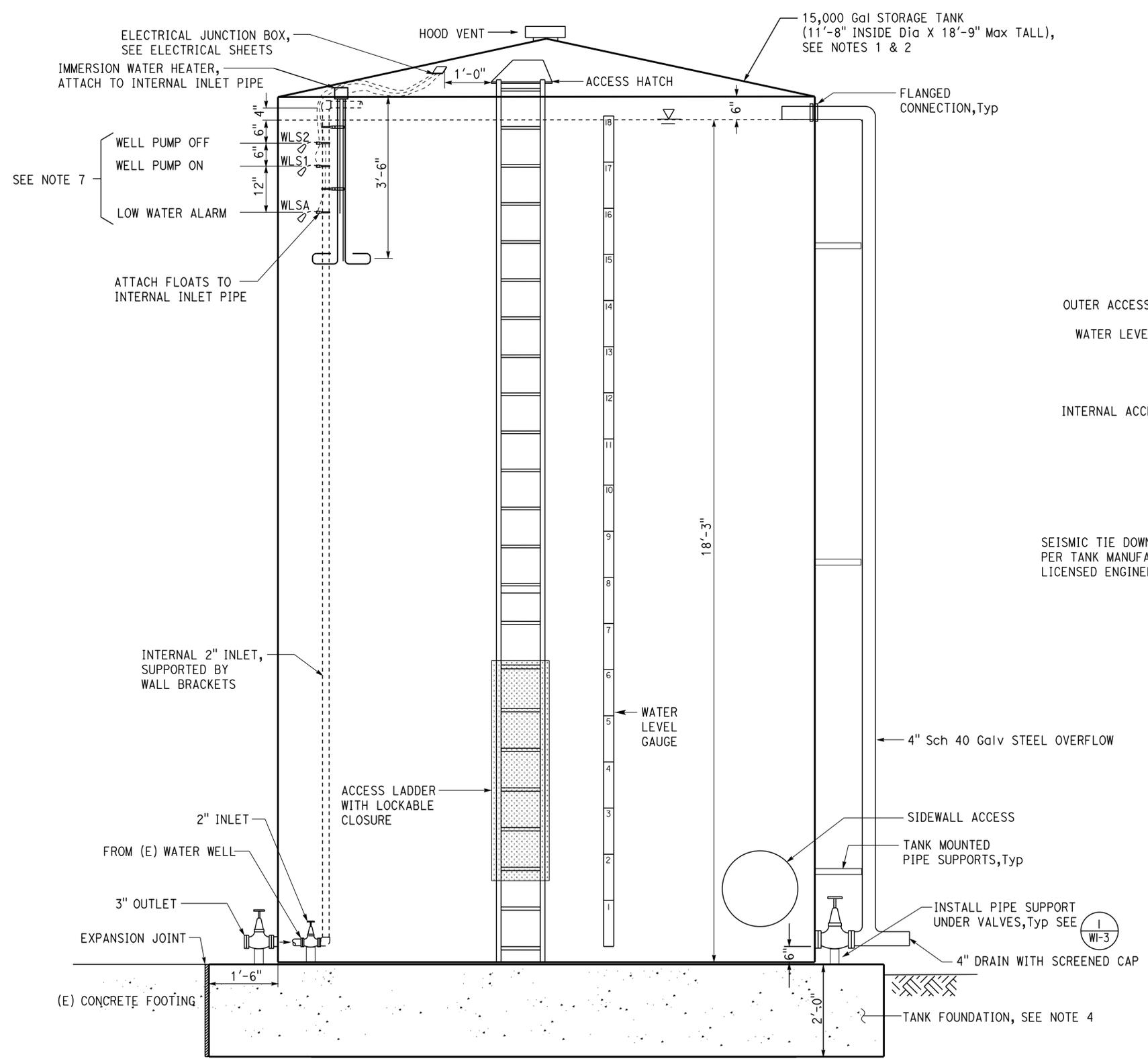
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Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	25	26

*G. Panuschka*  
REGISTERED CIVIL ENGINEER  
DATE 05-01-15  
PLANS APPROVAL DATE 02-22-16  
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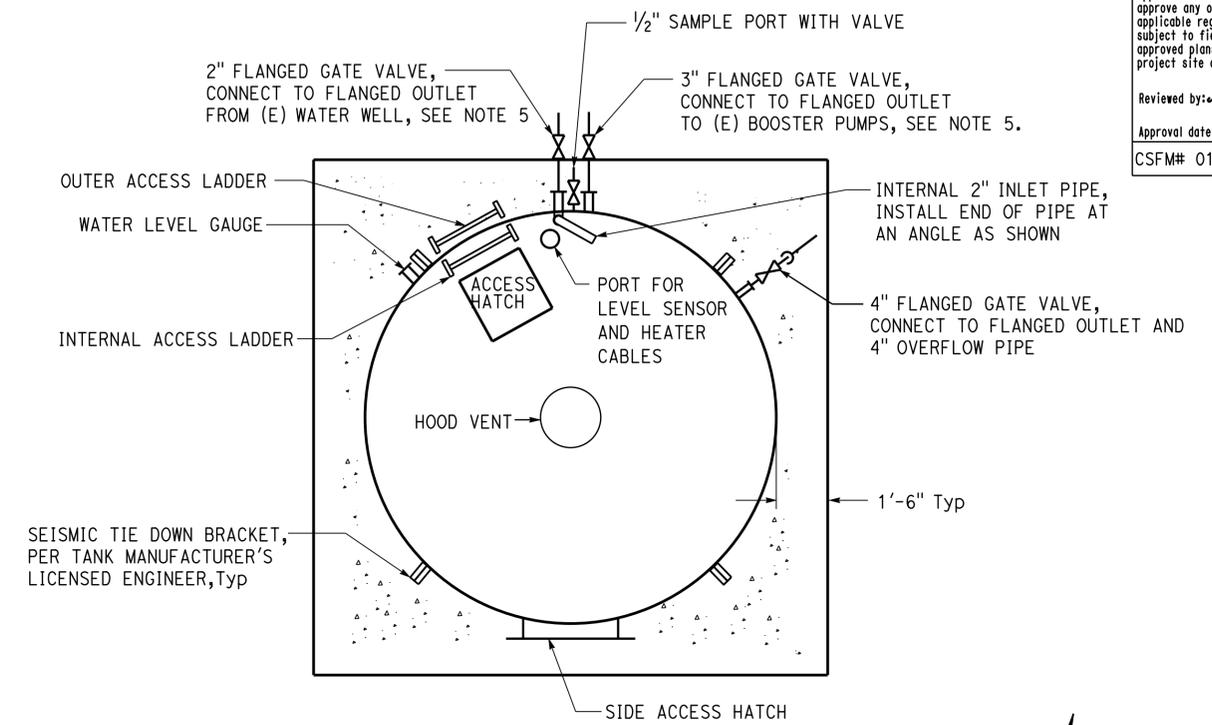
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G. PANUSCHKA  
No. C 52670  
Exp. 12-31-16  
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**WATER STORAGE TANK-ELEVATION**

SCALE: 3/4" = 1'-0"



**1 WATER STORAGE TANK-PLAN**

SCALE: 3/8" = 1'-0"

**NOTES:**

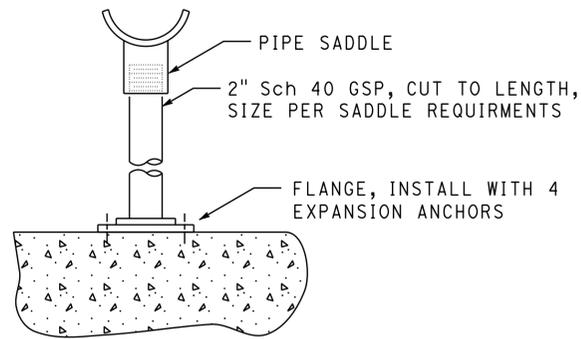
1. Tank diameter and height may vary slightly by tank manufacturer.
2. Pipe and equipment skewed for clarity, See "Water Storage Tank Plan" for proper orientation.
3. Tank must be galvanized on exterior.
4. For tank foundation details, see Sheet ST1-1.
5. All above-ground pipes containing water must be wrapped with heat tracing tape and weather protected fiberglass insulation, 2" thick.
6. New water storage tank must be disinfected per AWWA C652 before use.
7. Install level sensors so that leads are not getting tangled.

DESIGN BY G. Panuschka CHECKED J. Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No.	DONNER PASS CVEF REHABILITATION	SHEET W1-2
			17W0002		
			POST MILE 19.3		
DETAILS BY J.R. Stangl CHECKED G. Panuschka				WATER STORAGE TANK DETAILS 1	
QUANTITIES BY G. Panuschka CHECKED J. Marcotte					
TAEWW Imperial - CCSC Rev. 02/13	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	UNIT: 3616 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF
	0 1 2 3			5-1-15	

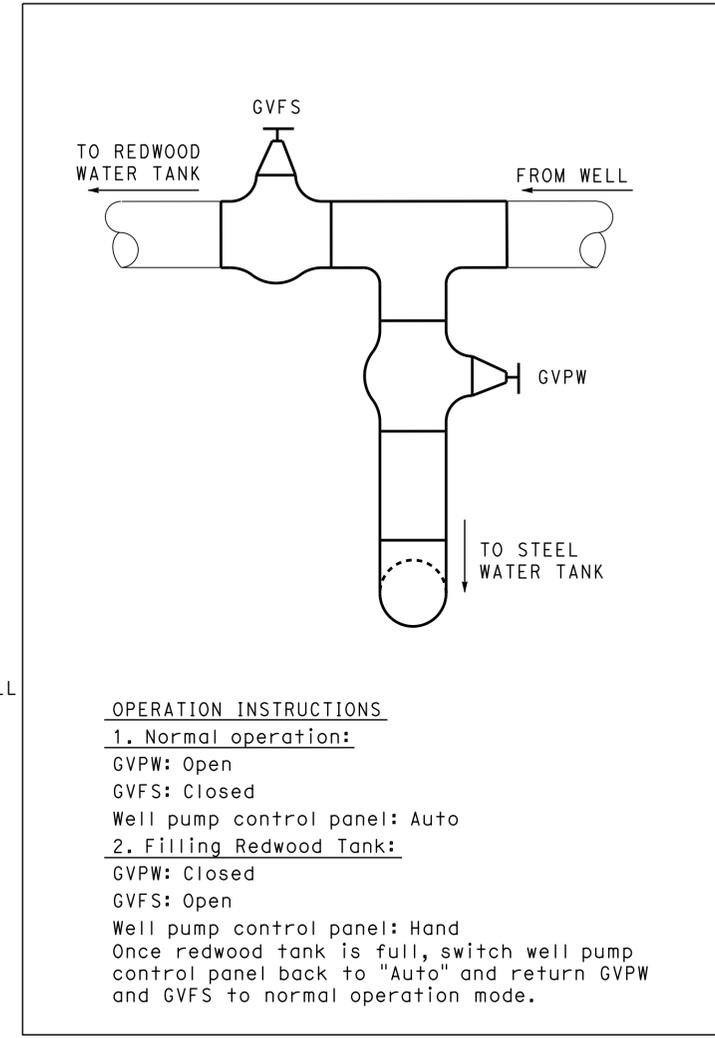
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
03	Nev	80	19.3	26	26


 REGISTERED CIVIL ENGINEER DATE 05-01-15  
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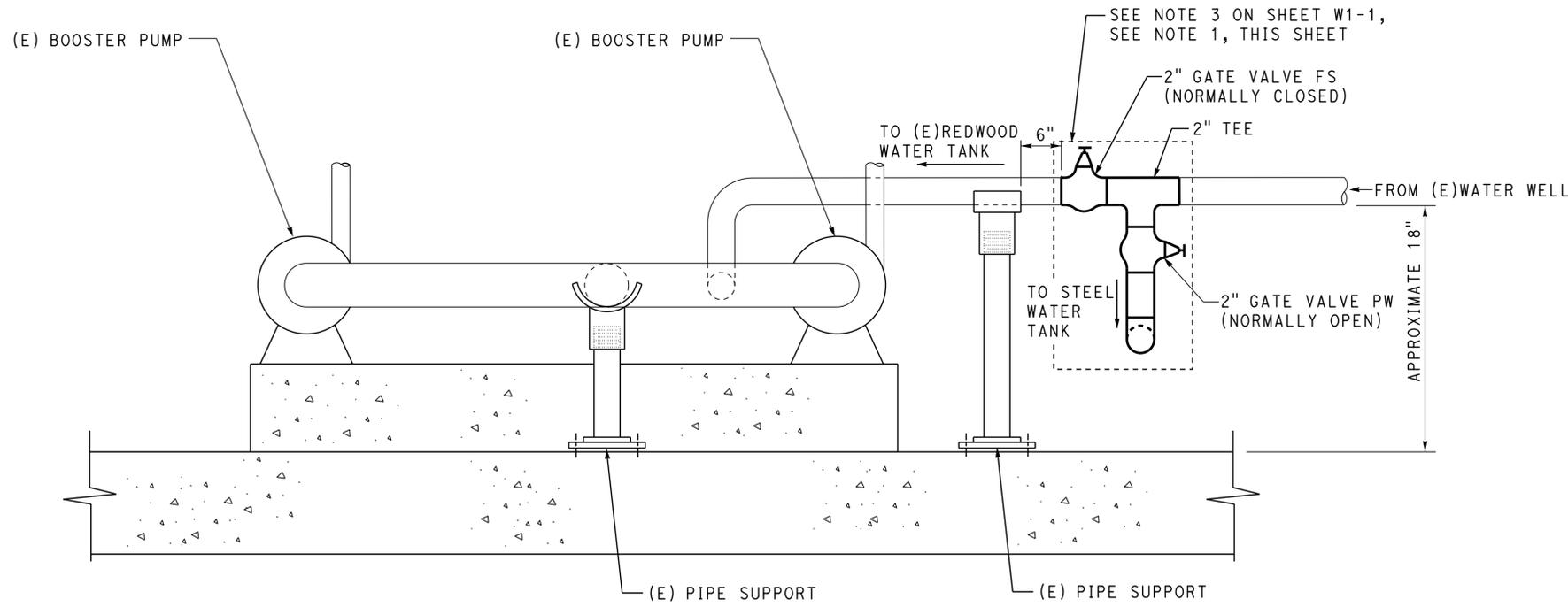


**1 VALVE/PIPE SUPPORT**  
NO SCALE



**3 VALVE OPERATION SIGN**  
NO SCALE

**Note:**  
 1. Provide sign, printed on 8 1/2" x 11" paper and laminated. Mount sign on wall above new valves. Sign must depict schematically the piping within dashed area. See 



**2 WATER SUPPLY PIPING MODIFICATION INSIDE (E) PUMP HOUSE**  
NO SCALE

DESIGN BY G. Panuschka CHECKED J. Marcotte	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 17W0002	DONNER PASS CVEF REHABILITATION	SHEET W1-3
			POST MILE 19.3		
DETAILS BY J.R. Stangl CHECKED G. Panuschka	UNIT: 3616 CONTRACT No.: 03-0H1804 PROJECT NUMBER & PHASE: 03150000901	DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES (PRELIMINARY STAGE ONLY)	SHEET OF	
QUANTITIES BY G. Panuschka CHECKED J. Marcotte	ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	5-1-15		

TAEWW Imperial - CCSC Rev. 02/13

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