Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		1	289

INDEX OF PLANS

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2	PROJECT CONTROL
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30	SIGN QUANTITIES
31	SUMMARY OF QUANTITIES
32-34	LANDSCAPE LAYOUT PLANS, DETAILS AND QUANTITIES
35-44	ELECTRICAL PLANS
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STRUCTURE PLANS

52-289	BUILDING PLANS

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

STATE OF CALIFORNIA

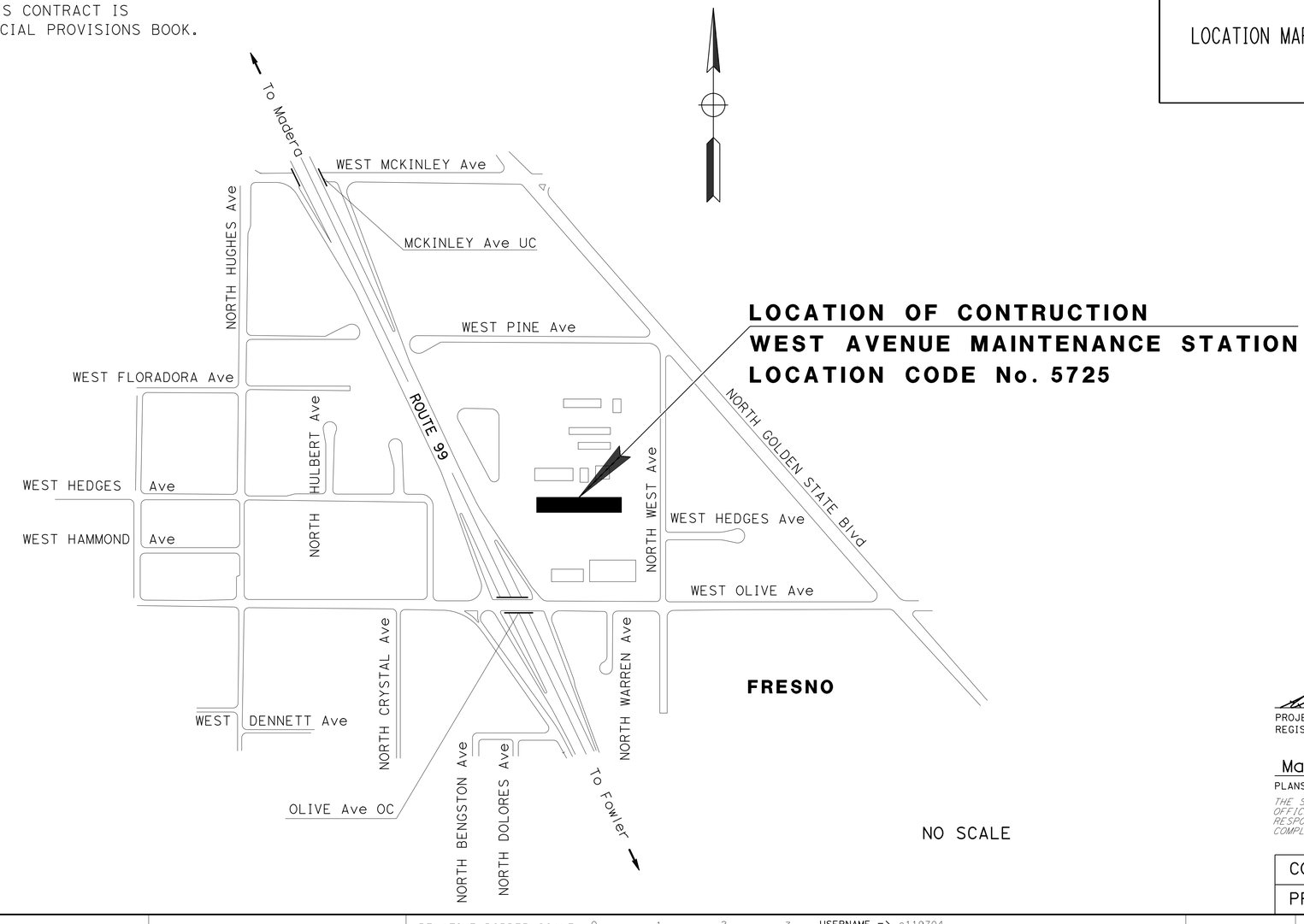
DEPARTMENT OF TRANSPORTATION

PROJECT PLANS FOR BUILDING CONSTRUCTION

IN FRESNO COUNTY
IN FRESNO
AT WEST AVENUE MAINTENANCE STATION
AT 1283 NORTH WEST AVENUE

TO BE SUPPLEMENTED BY STANDARD PLANS DATED 2024

LOCATION MAP



LOCATION OF CONTRUCTION
WEST AVENUE MAINTENANCE STATION
LOCATION CODE No. 5725

NO SCALE

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

PROJECT ENGINEER
REGISTERED CIVIL ENGINEER

04-29-25
DATE

AXEL CANTU
No. 95412
Exp. 12/31/25
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

May 27, 2025
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.	06-0X4304
PROJECT ID	0618000065

PROJECT MANAGER: ILDA THANAS
DESIGN MANAGER: JUSTIN KIMURA

LAST REVISION | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 5:44 | 05-20-25

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		2	289

12-16-24
PROFESSIONAL LAND SURVEYOR DATE

May 27, 2025
PLANS APPROVAL DATE

PROFESSIONAL LAND SURVEYOR
SCOTT REINHART
No. 7281
Exp. 12-31-26
CIVIL
STATE OF CALIFORNIA

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

NOTES:

1. FOR COMPLETE PROJECT CONTROL DATA, SEE THE SURVEY RECORDS ON FILE IN THE SURVEYS DEPARTMENT AT THE DISTRICT OFFICE.
2. CONTRACTOR MUST COMPLY WITH BUSINESS AND PROFESSIONS CODE SECTION 8771 (b) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING MONUMENTS, WHETHER OR NOT MONUMENTS ARE SHOWN IN THESE PLANS. ANY MONUMENT OR CONTROL POINT THAT MAY BE DISTURBED, DAMAGED OR COVERED DURING CONSTRUCTION MUST BE REFERENCED BEFORE OPERATIONS BEGIN PER B&P CODE SECTION 8771 (b) AT CONTRACTORS COST.
3. IF MONUMENT IS DAMAGED BY CONTRACTOR'S OPERATIONS, MONUMENT MUST BE REPLACED BY A LICENSED LAND SURVEYOR AT CONTRACTORS COST.
4. DUE TO KNOWN SUBSIDENCE IN THE AREA, THE CONTRACTOR MUST CONTACT THE CALTRANS SURVEYS OFFICE PRIOR TO CONSTRUCTION TO VERIFY THE ACCURACY OF THE CONTROL VALUES SHOWN ON THIS SHEET.

ABBREVIATIONS:

CT - CALTRANS
IP - IRON PIPE

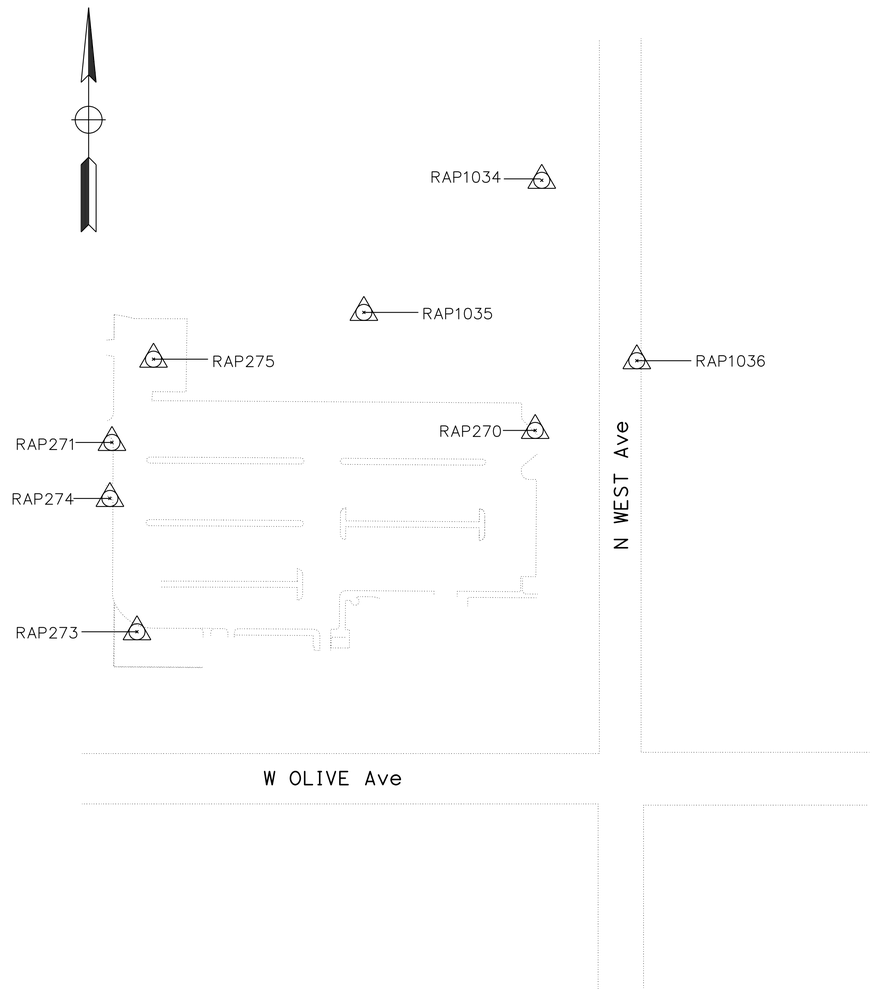
LEGEND:

△ CONTROL STATION

DATUM:

1. HORIZONTAL DATUM: THE NAD83 COORDINATE DATA (FEET UNITS) SHOWN WAS ESTABLISHED USING GNSS SURVEY METHODS. ALL CONTROL WAS MEASURED FROM CVSRN STATION RBRU. THE PROJECT CONTROL STATIONS MEET THE 3RD ORDER SURVEY SPECIFICATIONS AS ESTABLISHED BY CALTRANS AND FURTHER DEFINED IN THEIR SURVEY MANUAL.

   THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM 1983 (CCS83), ZONE 4, (EPOCH 2010.16)
2. VERTICAL DATUM: THE VERTICAL DATUM SHOWN HEREON IS BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88). THE NAVD 88 ELEVATIONS FOR THIS PROJECT WERE ESTABLISHED BY GNSS METHODS. THE PROJECT BENCHMARK IS RAP271, WITH AN ELEVATION OF 291.21 FEET. DIGITAL LEVELS WERE RUN TO CHECK THE GPS DERIVED ELEVATIONS. THE VERTICAL SURVEY METHODS MEETS THE 3RD ORDER SURVEY SPECIFICATIONS AS ESTABLISHED BY CALTRANS AND FURTHER DEFINED IN THEIR SURVEY MANUAL.
3. DISTANCES AND STATIONING ARE GRID DISTANCES. DIVIDE BY 0.99993420 TO OBTAIN GROUND DISTANCES.



CONTROL FOR DESIGN AND CONSTRUCTION

POINT	ORDER	NORTHING	EASTING	ELEVATION	DESCRIPTION
RAP270	3RD	2160376.06	6319396.15	292.43	1" IP RED CT PLUG AND TACK
RAP271	3RD	2160360.19	6318837.37	291.21	1" IP RED CT PLUG AND TACK
RAP273	3RD	2160110.30	6318870.42	292.06	1" IP RED CT PLUG AND TACK
RAP274	3RD	2160286.27	6318834.68	290.99	1" IP RED CT PLUG AND TACK
RAP275	3RD	2160470.11	6318892.24	291.90	SURVEY MARK SPIKE
RAP1034	3RD	2160706.23	6319404.80	293.63	COTTON SPINDLE FLUSH
RAP1035	3RD	2160531.86	6319169.95	292.93	NAIL SPIKE FLUSH
RAP1036	3RD	2160468.08	6319530.28	292.29	CHISELED CROSS FLUSH IN CONC

PROJECT CONTROL

NO SCALE

PC-1

APPROVED FOR PROJECT CONTROL INFORMATION ONLY

CALCULATED-DESIGNED BY: H. BRUNETTI
CHECKED BY: H. BRUNETTI
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR: SCOTT REINHART
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
SURVEYS

LAST REVISION | DATE PLOTTED => 19-JUN-2025
12-16-24 | TIME PLOTTED => 15:44

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		3	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

AXEL CANTU No. 95412 EXP. 12/31/25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

NOTES:

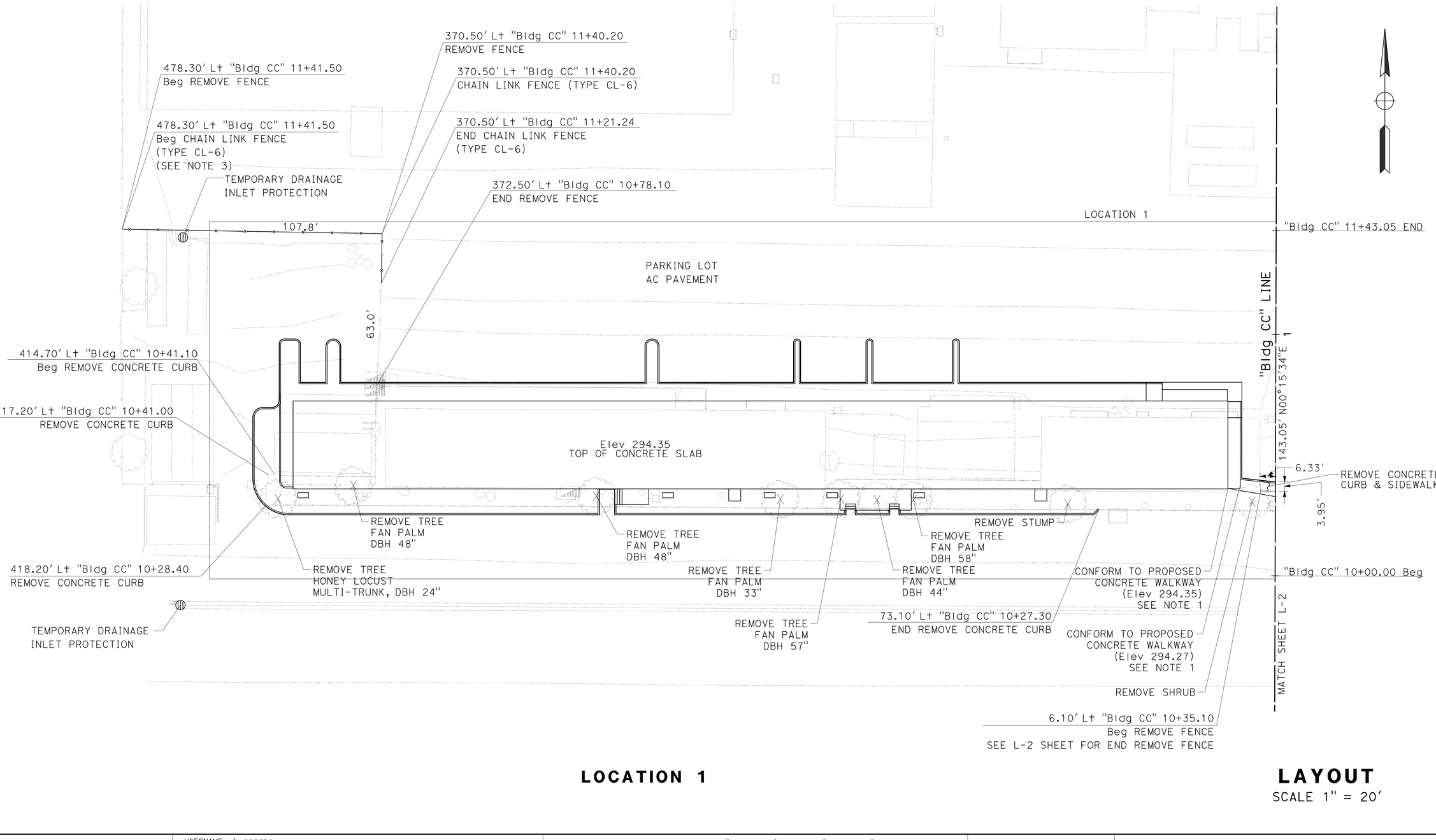
1. SEE CONSTRUCTION DETAIL SHEETS FOR SIDEWALK CONFORM DETAILS.
2. EXISTING TREE SIZES ARE PROVIDED AS SUPPLEMENTAL INFORMATION ONLY. ALL CLEARING AND GRUBBING WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
3. REFER TO STAGE CONSTRUCTION SHEETS FOR STAGING OF PERMANENT CHAIN LINK FENCE.

ABBREVIATION:

TOC - TOP OF CURB
DBH - DIAMETER AT BREAST HEIGHT

LEGEND:

REMOVE CONCRETE
REMOVE TREE OR SHRUB (CLEARING AND GRUBBING)



LOCATION 1

LAYOUT
SCALE 1" = 20'

L-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | OLIVIA DAVIS
CHECKED BY | CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR | JUSTIN KIMURA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
DESIGN

LAST REVISION: DATE PLOTTED => 19-JUN-2025
03-25-25 TIME PLOTTED => 15:44

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		4	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
Exp. 12/31/25
CIVIL
STATE OF CALIFORNIA

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MATCH SHEET L-1

141.85' Rt "Bldg CC" 10+88.13
END REMOVE FENCE (WROUGHT IRON)
END WROUGHT IRON GATE (SEE C-9 AND C-11 SHEET)

"Bldg CC" 11+43.05 END

REMOVE CONCRETE SIDEWALK

CONFORM TO Exist SIDEWALK
(Elev 293.33)

SEE DETAIL A FOR EXISTING AND NEW
SIDEWALK AND CURB RAMP DIMENSIONS

143.05' "Bldg CC" LINE N00°15'34"E

CONFORM TO Exist SIDEWALK
(SW Elev 292.32)

141.86' Rt "Bldg CC" 10+80.05
Beg REMOVE FENCE (WROUGHT IRON)
Beg WROUGHT IRON GATE (SEE C-9 AND C-11 SHEET)

CONFORM TO Exist SIDEWALK
(TOC Elev 293.47)
(FL Elev 293.16)

CONFORM TO Exist SIDEWALK
(SW Elev 293.05)

N WEST Ave

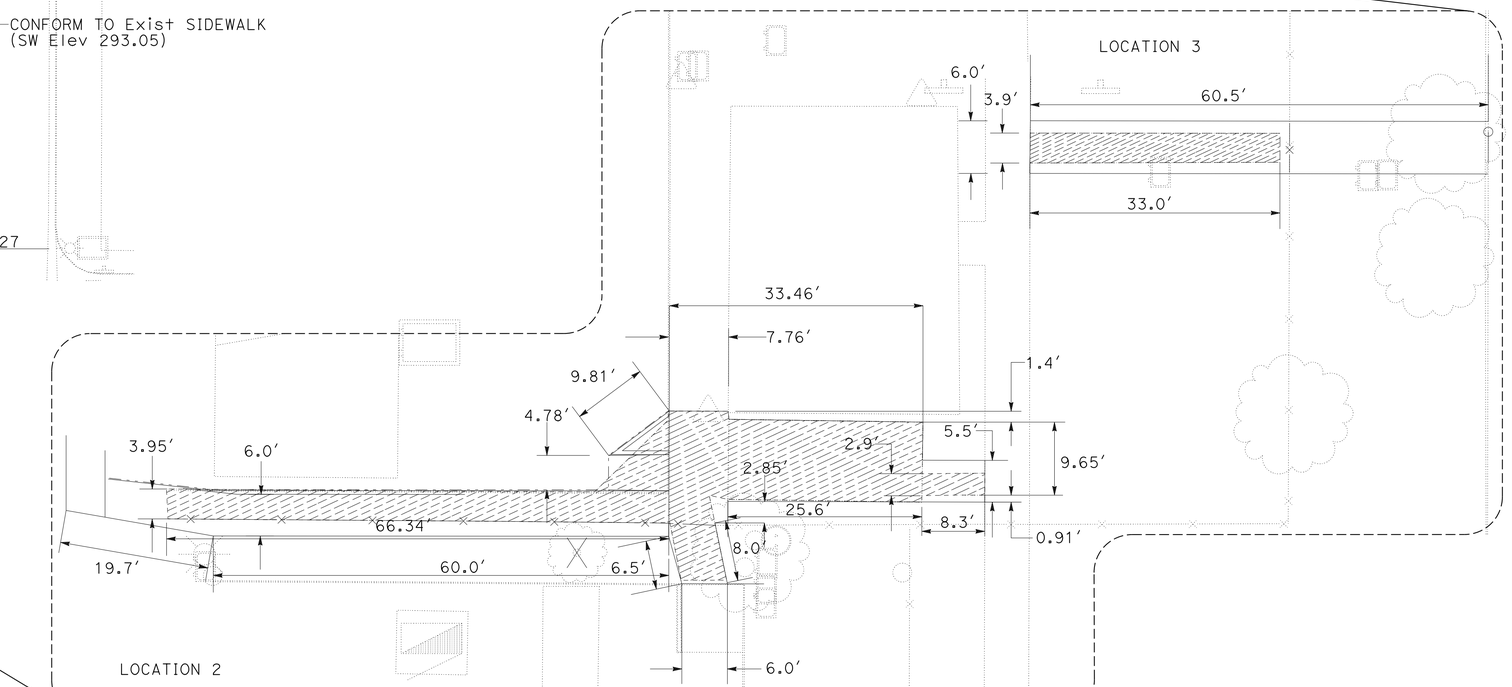
"Bldg CC" 10+00.00 Beg

REMOVE CONCRETE
CURB & SIDEWALK

67.8' Rt "Bldg CC" 10+34.27
END REMOVE FENCE

CONFORM TO Exist SIDEWALK
(SW Elev 293.53)

REMOVE SHRUB



DETAIL A
NO SCALE

LOCATION 2 AND 3

LAYOUT
SCALE 1" = 20'

L-2

CALCULATED-DESIGNED BY	CHECKED BY	REVISED BY	DATE REVISED
OLIVIA DAVIS	CHRISTOPHER STANNERT		

FUNCTIONAL SUPERVISOR: JUSTIN KIMURA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
DESIGN

LAST REVISION 05-13-25
DATE PLOTTED => 13-MAY-2025
TIME PLOTTED => 13:45

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		5	289

04-28-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

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

NOTES:

1. ALL EARTHWORK FOR BUILIDNG PAD, CONCRETE WALKWAY, AND CURB IS INCLUDED IN THE BUILIDNG WORK ITEMS.
2. SEE STRUCTURE SHEETS FOR EQUIPMENT PAD DETAILS.
3. SEE STRUCTURE SHEETS FOR MINIMUM CONCRETE COVER THAT MUST BE PROVIDED FOR REINFORCEMENT.
4. SEE ARCHITECT SHEETS FOR REMOVAL OF EXISTING STRUCTURES.

LEGEND:

Var 1.0′ - 1.3′ ROADWAY EXCAVATION
Exist 0.5′ AC Pvmt
EXist 0.5′ AB

0.55′ HOT MIX ASPHALT (TYPE A)
0.75′ CLASS 2 AGGREGATE BASE

0.55′ PLACE HOT MIX ASPHALT (Misc AREA)
0.55′ CLASS 2 AGGREGATE BASE

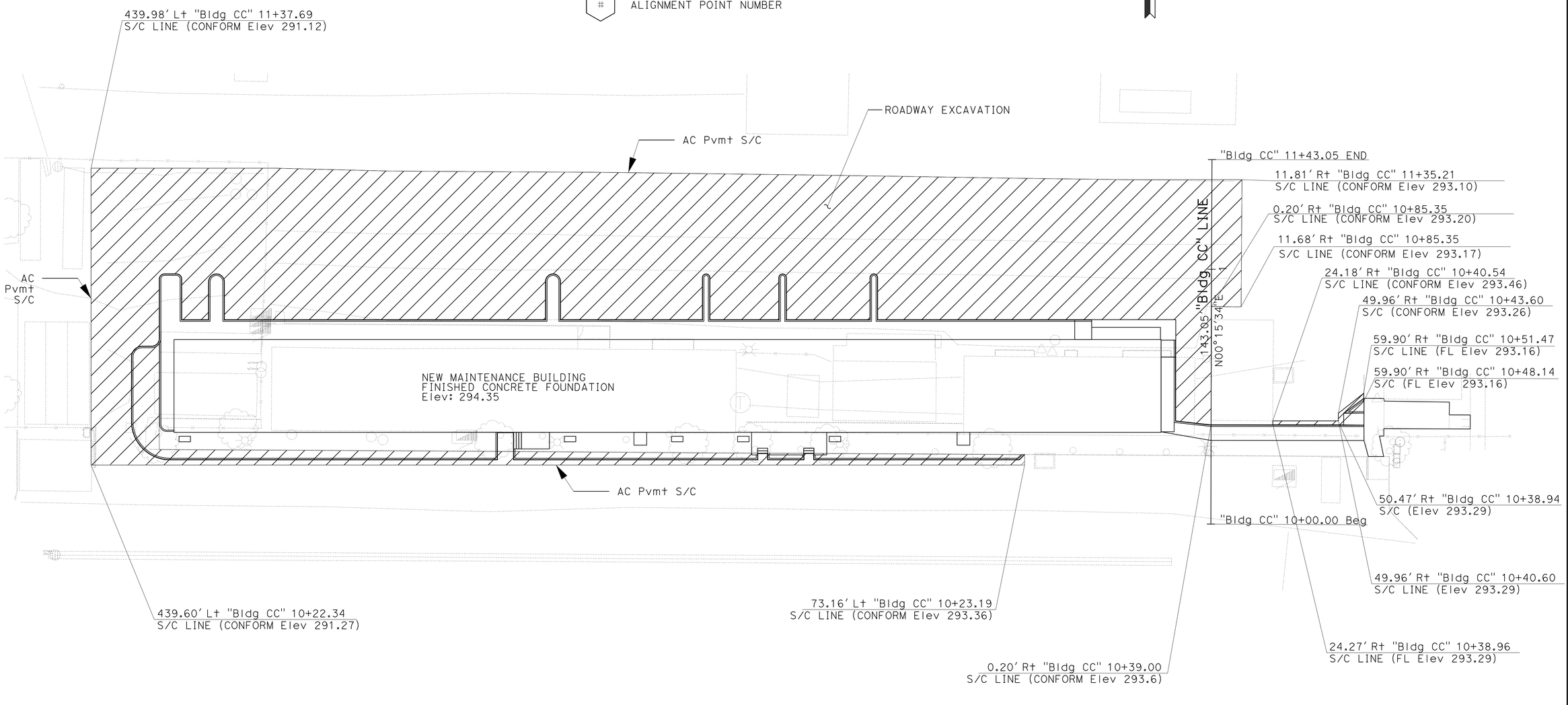
0.50′ PLACE HOT MIX ASPHALT (Misc AREA)
0.50′ CLASS 2 AGGREGATE BASE

(#) ALIGNMENT CURVE NUMBER

(#) ALIGNMENT POINT NUMBER

ABBREVIATIONS

TOC - TOP OF CURB
TOW - TOP OF WALK
BOSW - BACK OF SIDEWALK



ROADWAY EXCAVATION PLAN

CONSTRUCTION DETAILS

SCALE 1" = 20′

C-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
CALCULATED-DESIGNED BY
CHECKED BY: CHRISTOPHER STANNERT
REVISED BY
DATE REVISED
LAST REVISION DATE PLOTTED => 5-AUG-2025
TIME PLOTTED => 14:29
03-25-25

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 06180000065ga001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		6	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

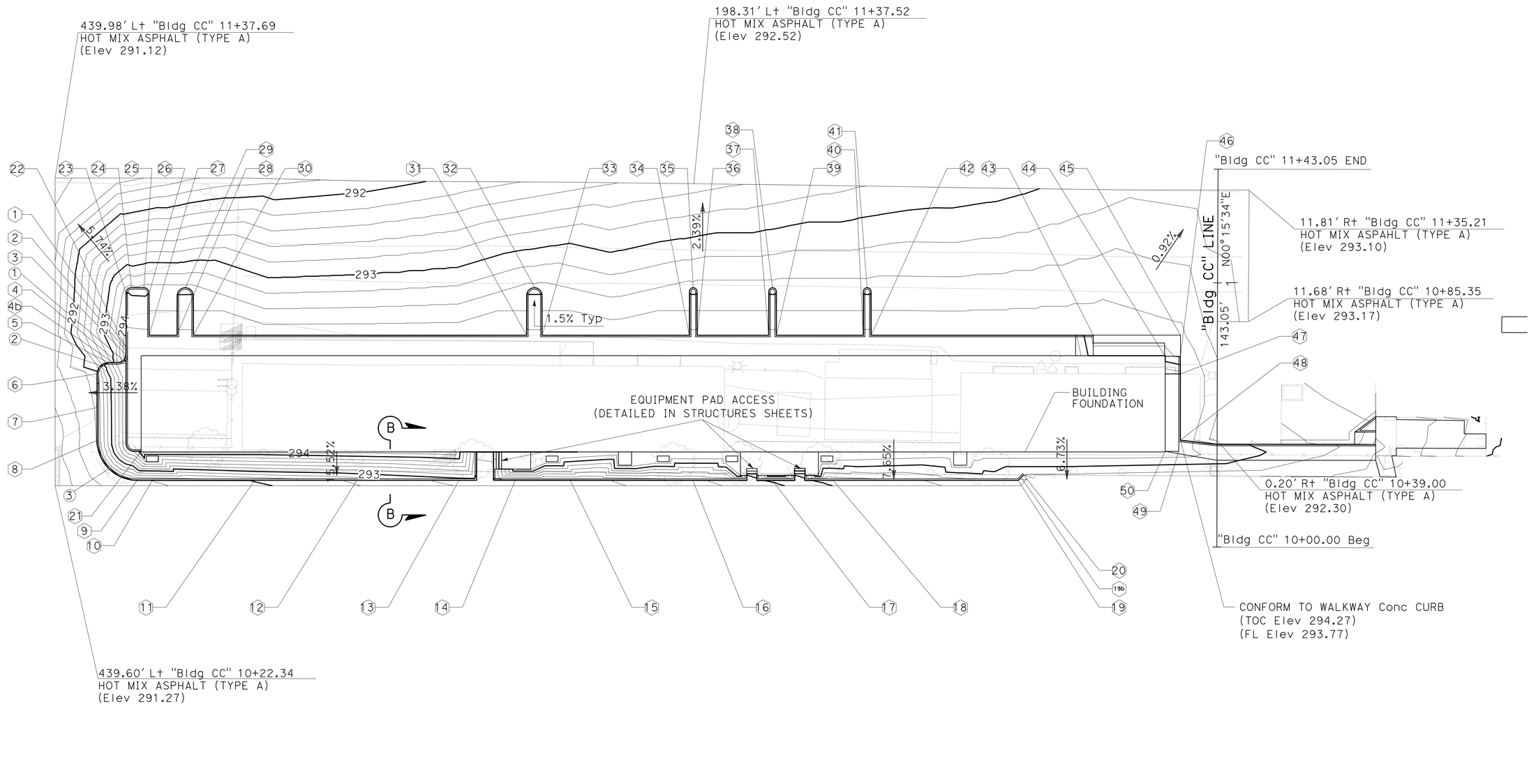
May 27, 2025
PLANS APPROVAL DATE

AXEL CANTU No. 95412 Exp. 12/31/25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — 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.

NOTES:

1. SEE SHEET C-3 FOR WALKWAY CONCRETE CURB DATA (APPLY TO SHEETS C-2 AND C-3).
2. SEE SHEET C-5 FOR SECTION B-B (APPLY TO THIS SHEET ONLY)
3. SEE STRUCTURE PLANS FOR WALKWAY CONCRETE CURB DETAIL (APPLY TO SHEETS C-2 AND C-3).
4. SEE CONSTRUCTION DETAIL SHEET C-10 FOR SIDEWALK CONFORM DETAIL (APPLY TO SHEETS C-2 AND C-6 TO C-9).



GRADING PLAN
AND RETAINING CURB DETAIL

CONSTRUCTION DETAILS
(LOCATION 1)

NO SCALE

C-2

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
OLIVIA DAVIS | CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR
JUSTIN KIMURA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION 03-25-25
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:44

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		7	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

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MINOR CONCRETE (CURB) (TYPE A1-6) LOCATION AND ELEVATION DATA

No. #	DISTANCE AND BEARING	"LOCATION 1-FL"	FL Elev	NOTE
1	2.71′ S00°00′ 00.00"E	Beg 10+00.00= 412.94′ Lt "Bldg CC" 10+75.56 POT	293.77	Beg CONCRETE CURB (TYPE A1-6) CONFORM TO WALKWAY CONCRETE CURB TOC Elev 294.27′
2		10+01.13	293.77	SPOT ELEVATION POINT
3		10+02.71 BC	293.77	SEE CURVE DATA TABLE
4	3.66′ N90° 00′ 00.00"W	10+07.44 EC	293.18	
4b		10+08.27	293.18	SPOT ELEVATION POINT
5		10+11.11 BC	292.72	SEE CURVE DATA TABLE
6	25.28′ S00° 00′ 00.00"W	10+17.78 EC	291.89	
7		10+30.59	291.83	SPOT ELEVATION POINT
8		10+43.06 BC	291.81	SEE CURVE DATA TABLE
9	333.44′ N90° 00′ 00.00"E	10+66.82 EC	291.77	
10		10+72.62	291.80	SPOT ELEVATION POINT
11		10+24.52	292.01	SPOT ELEVATION POINT
12		11+49.96	292.23	SPOT ELEVATION POINT
13		11+88.63	292.46	SPOT ELEVATION POINT
14		12+09.90	292.51	SPOT ELEVATION POINT
15		12+30.77	292.56	SPOT ELEVATION POINT
16		12+77.14	292.77	SPOT ELEVATION POINT
17		13+07.29	292.93	SPOT ELEVATION POINT
18		13+30.27	293.03	SPOT ELEVATION POINT
19		14+00.26	293.39	SPOT ELEVATION POINT
19b	2.89′ N45°00′ 00.00"E	14+01.71	293.41	SPOT ELEVATION POINT
20		END 14+03.15 = 73.17′ Lt "Bldg CC" 10+27.23 POT	293.43	END CONCRETE CURB (TYPE A1-6) CONFORM TO Exist CONCRETE CURB TOC Elev 293.84′

CONCRETE CURB (TYPE A1-6) CURVE DATA

No. #	R	Δ	T	L
1	3.00′	90° 24′ 05"	3.02′	4.73′
2	4.25′	90° 00′ 00"	4.25′	6.68′
3	15.13′	90° 00′ 00"	15.13′	23.76′

WALKWAY CONCRETE CURB DATA

No. #	"BLDG CC" STATION	OFFSET	FL Elev
21	10+36.26, Beg WALKWAY CONCRETE CURB	407.07′ Lt	293.77
22	10+72.00	412.93′ Lt	293.77
23	10+94.30, BC	413.00′ Lt	293.49
24	10+96.40, EC	411.00′ Lt	293.44
25	10+96.40, BC	406.20′ Lt	293.45
26	10+94.40, EC	404.20′ Lt	293.50
27	10+79.40	404.10′ Lt	293.74
28	10+79.40	393.60′ Lt	293.74
29	10+96.50	390.60′ Lt	293.44
30	10+79.40	387.40′ Lt	293.74
31	10+79.40	261.40′ Lt	293.74
32	10+97.10	258.50′ Lt	293.45
33	10+79.40	255.40′ Lt	293.74
34	10+79.40	199.80′ Lt	293.74
35	10+97.30	198.30′ Lt	293.46
36	10+79.40	196.80′ Lt	293.74
37	10+79.40	169.80′ Lt	293.74
38	10+97.50	168.40′ Lt	293.46
39	10+79.40	166.80′ Lt	293.74
40	10+79.40	134.00′ Lt	293.74
41	10+97.60	132.50′ Lt	293.46
42	10+79.40	130.90′ Lt	293.74
43	10+80.10	46.90′ Lt	293.74
44	10+72.40	19.90′ Lt	294.35
45	10+80.20	13.90′ Lt	293.64
46	10+72.20	13.90′ Lt	293.76
47	10+65.50	13.90′ Lt	293.77
48	10+40.50	13.90′ Lt	293.77
49	10+36.20	13.90′ Lt	294.26
50	10+36.20, END WALKWAY CONCRETE CURB	19.60′ Lt	294.35

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
OLIVIA DAVIS | CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR
JUSTIN KIMURA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

CONSTRUCTION DETAILS

C-3

LAST REVISION | DATE PLOTTED => 19-JUN-2025
03-25-25 | TIME PLOTTED => 15:44

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		8	289

REGISTERED CIVIL ENGINEER — 04-29-25 DATE

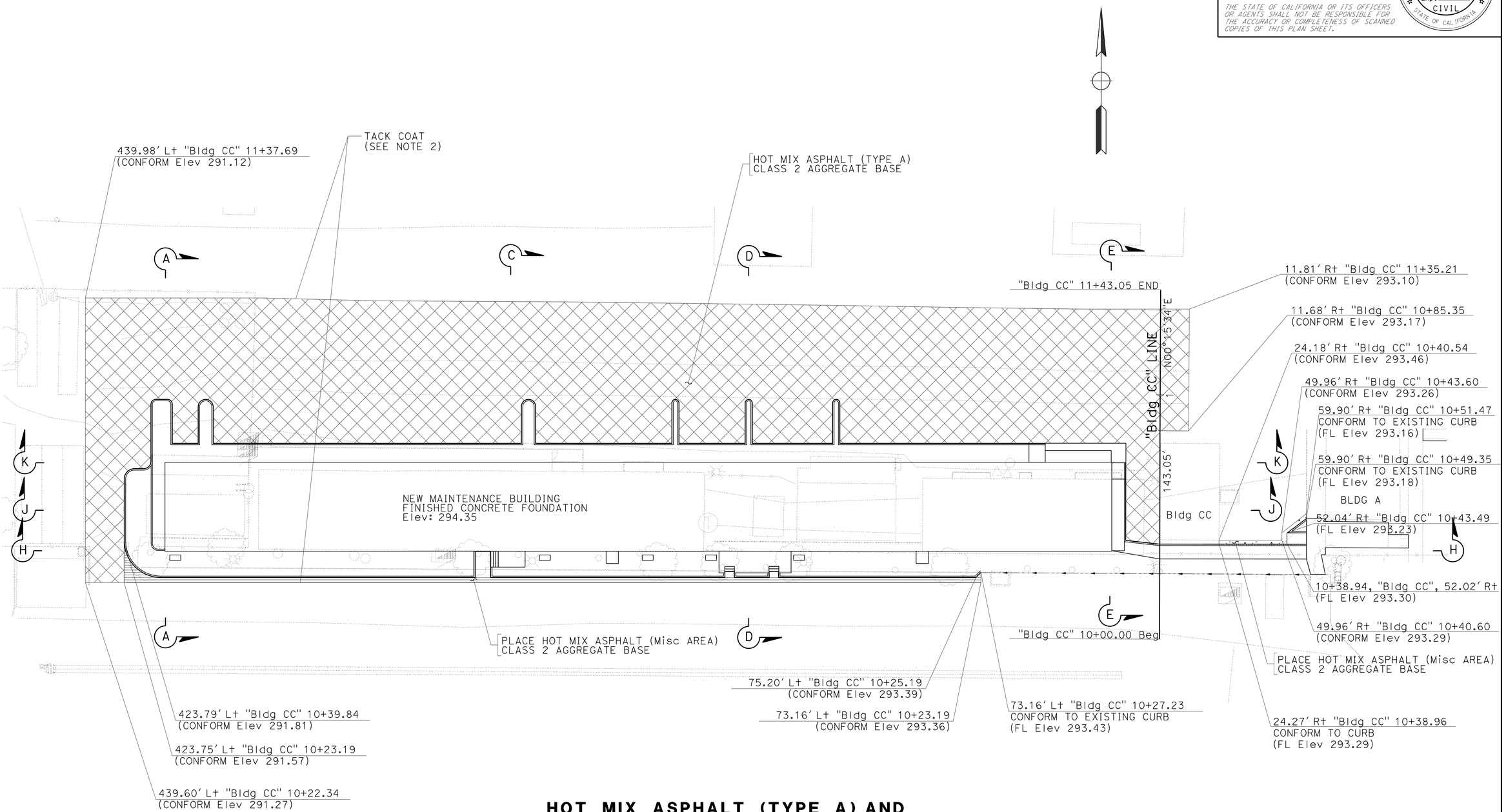
PLANS APPROVAL DATE — May 27, 2025

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

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

NOTES (APPLY TO THIS SHEET ONLY):

1. CONFORM ELEVATIONS ARE TO THE TOP OF HOT MIX ASPHALT (TYPE A).
2. APPLY TWO LAYERS OF TACK COAT TO THE PERIMETER OF THE PARKING LOT WHERE HMA (TYPE A) WILL BE APPLIED.
3. SEE CONSTRUCTION DETAIL SHEET C-5 AND C-6 FOR CUT SECTIONS SHOWN ON THIS SHEET (APPLY TO THIS SHEET ONLY)



HOT MIX ASPHALT (TYPE A) AND PLACE HOT MIX ASPHALT (Misc AREA) LIMITS

CONSTRUCTION DETAILS

SCALE 1" = 20'

C-4

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION: DATE PLOTTED => 29-JUL-2025 TIME PLOTTED => 16:46
03-25-25

BORDER LAST REVISED 7/2/2010

USERNAME => s119704
DGN FILE => 0618000065ga004.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1473

PROJECT NUMBER & PHASE 06180000651

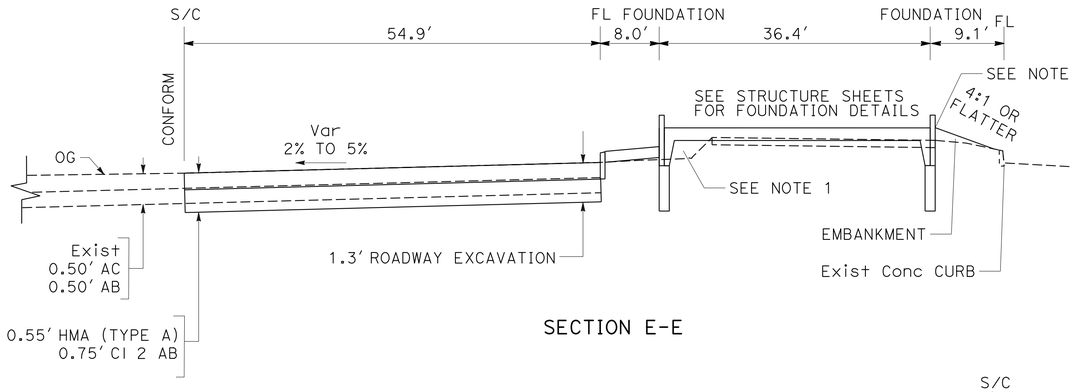
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		9	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

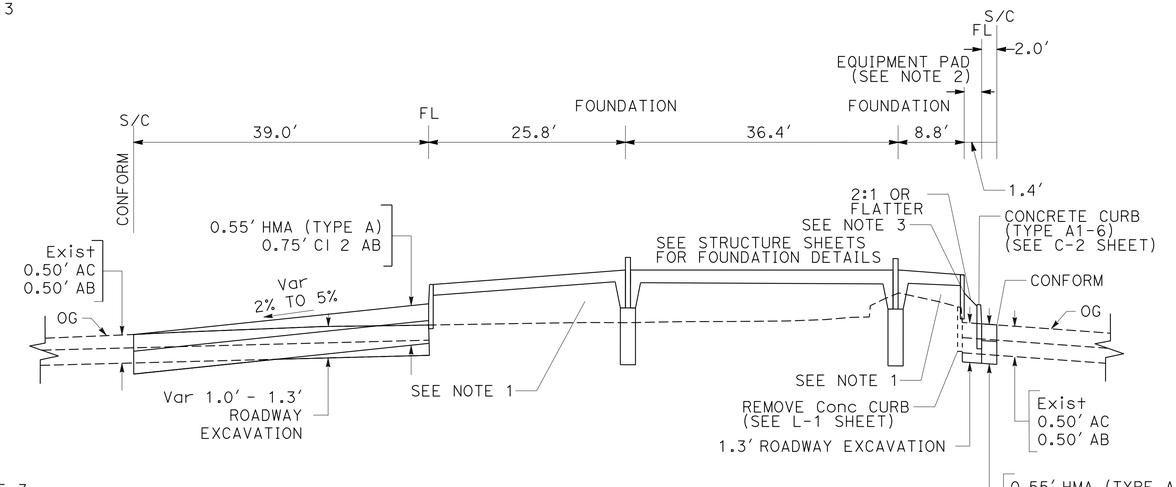
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

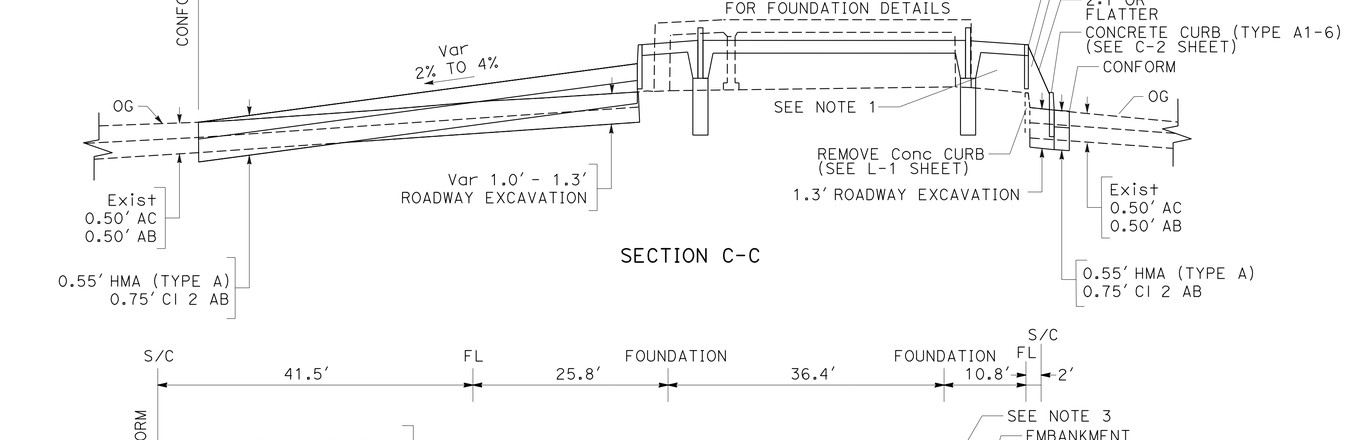
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



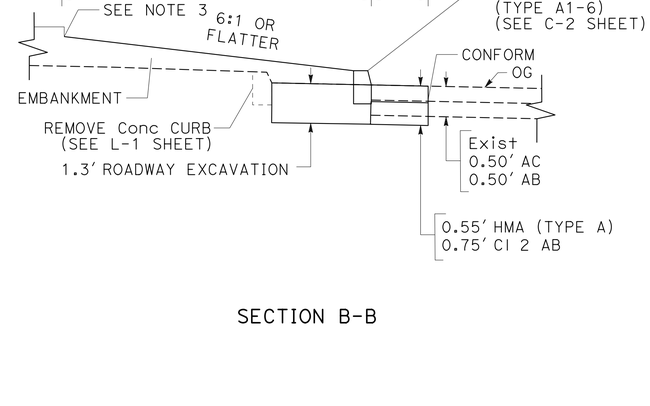
SECTION E-E



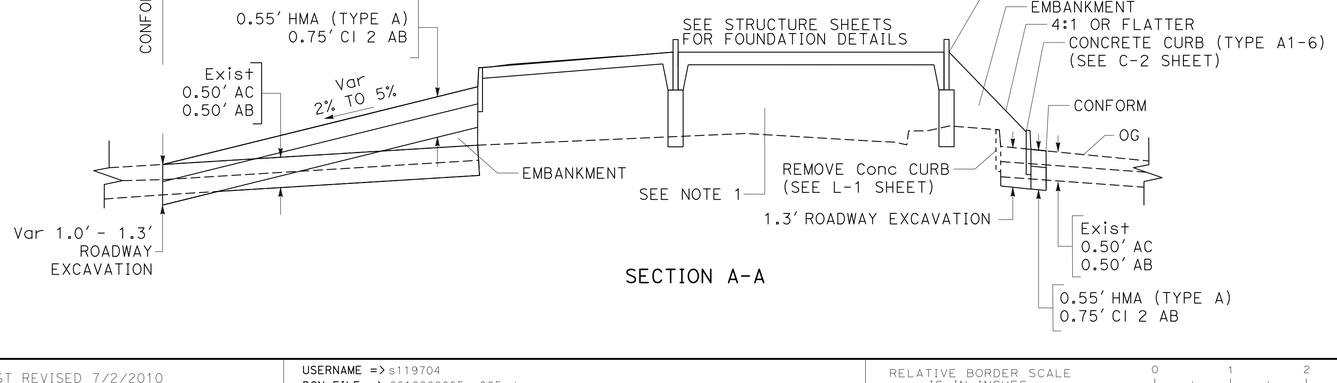
SECTION D-D



SECTION C-C



SECTION B-B



SECTION A-A

CONSTRUCTION DETAILS

NO SCALE

C-5

CALCULATED-DESIGNED BY
CHECKED BY
OLIVIA DAVIS
CHRISTOPHER STANNERT
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
JUSTIN KIMURA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 03-25-25
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:44

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga005.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

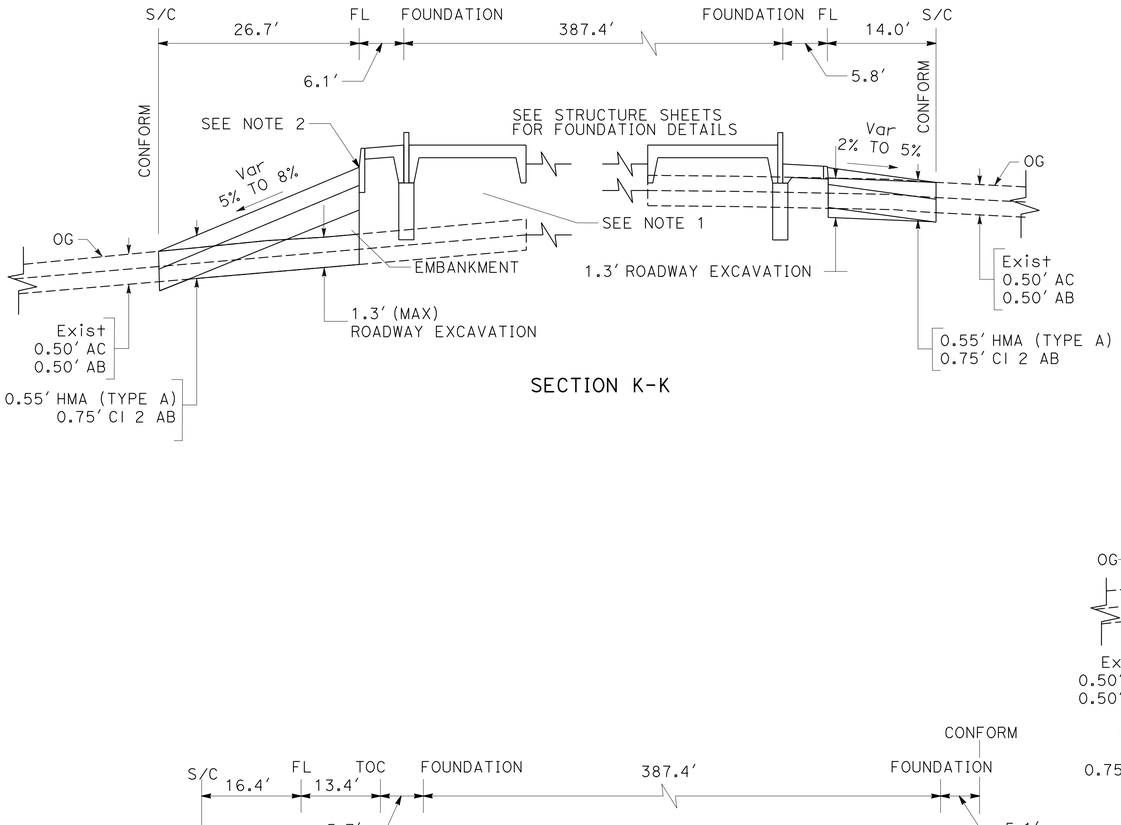
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		10	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

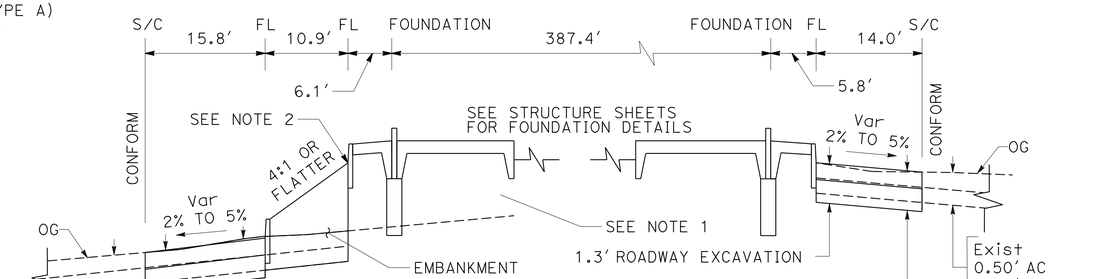
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

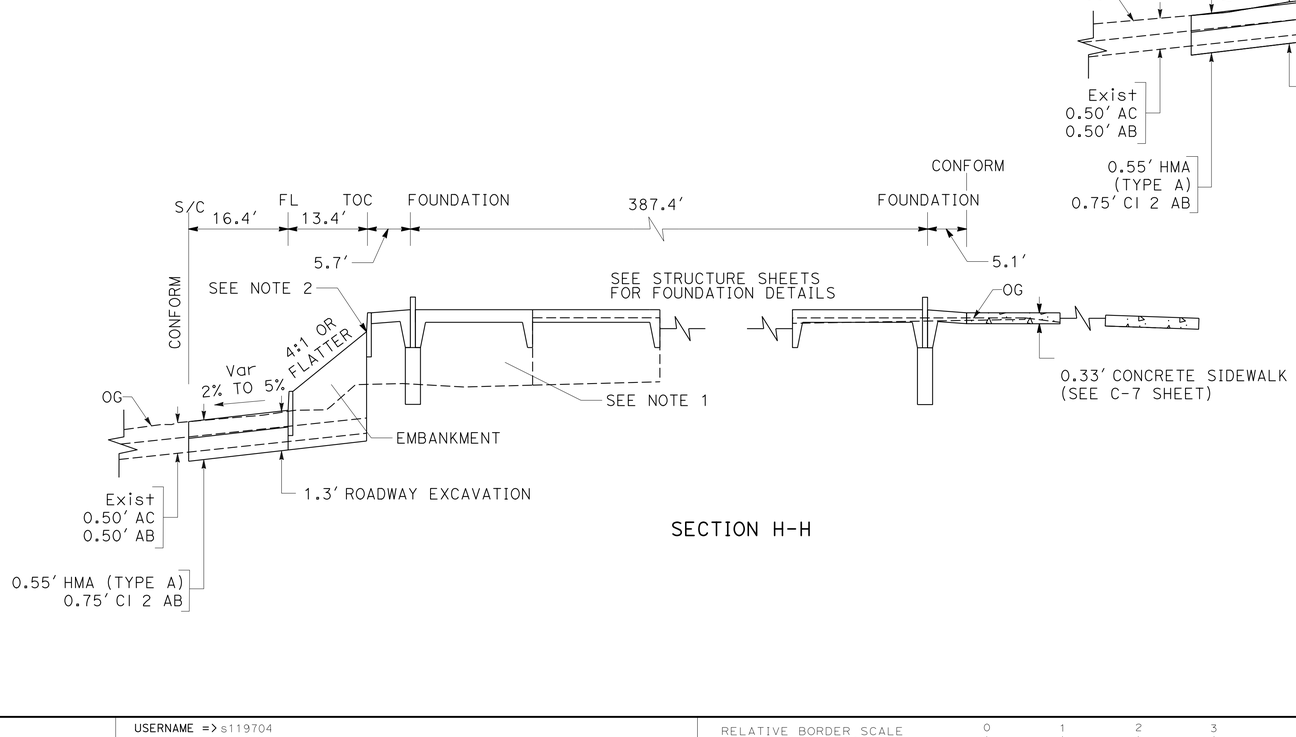
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.



SECTION K-K



SECTION J-J



SECTION H-H

CONSTRUCTION DETAILS

NO SCALE

C-6

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY
CHECKED BY
OLIVIA DAVIS
CHRISTOPHER STANNERT

FUNCTIONAL SUPERVISOR
JUSTIN KIMURA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:44
03-25-25

BORDER LAST REVISED 7/2/2010

USERNAME => s119704
DGN FILE => 0618000065ga006.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

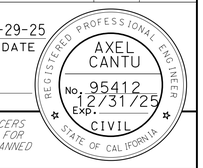
UNIT 1473

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		11	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
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.

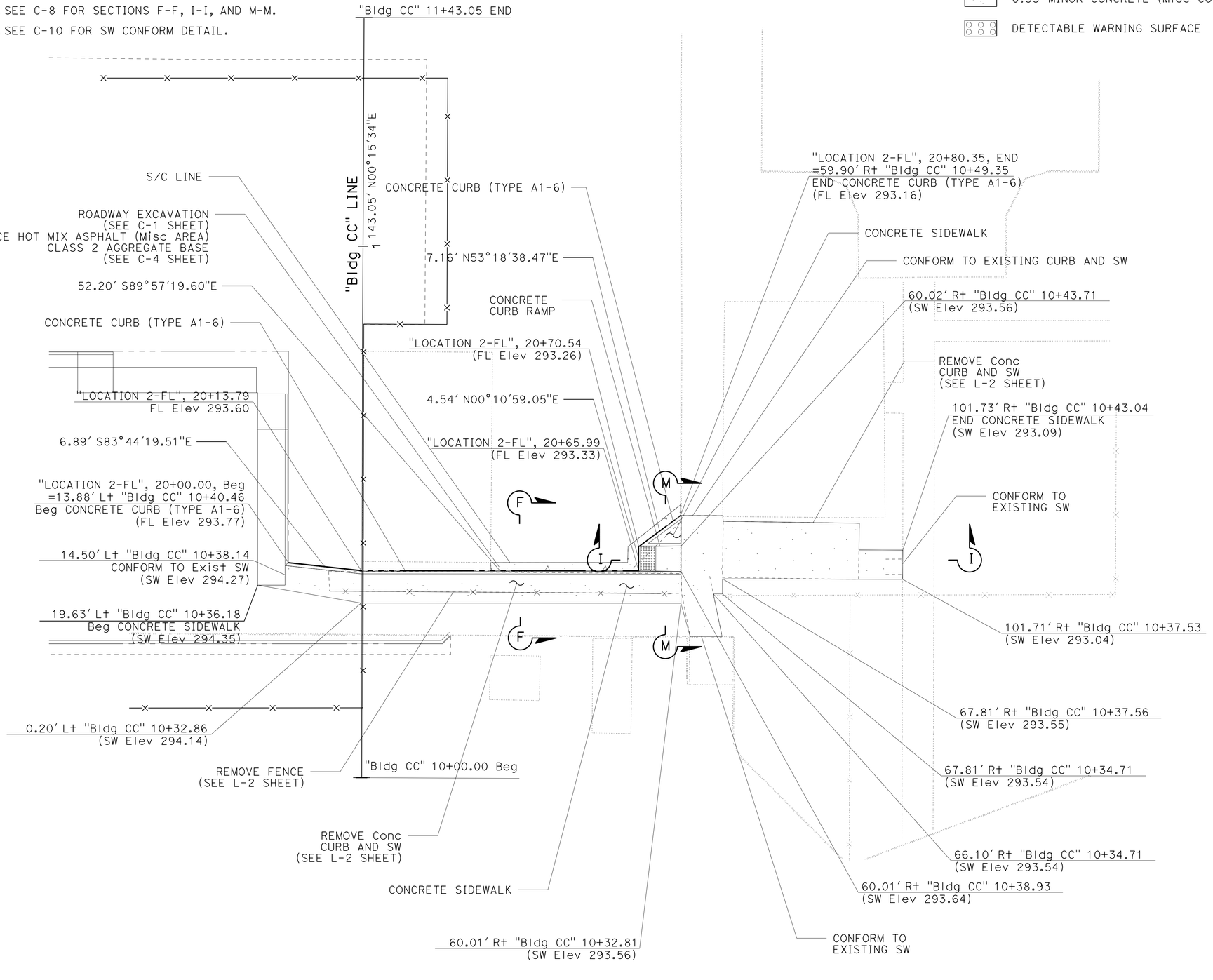
NOTES (APPLY TO THIS SHEET ONLY):

1. SEE C-8 FOR SECTIONS F-F, I-I, AND M-M.
2. SEE C-10 FOR SW CONFORM DETAIL.

LEGEND (FOR SHEETS C-7 TO C-11 ONLY):

0.33' MINOR CONCRETE (Misc CONSTRUCTION)

DETECTABLE WARNING SURFACE



PEDESTRIAN ACCESS

CONSTRUCTION DETAILS
(LOCATION 2)

NO SCALE

C-7

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
REVISED BY / DATE REVISED

LAST REVISION 03-25-25
DATE PLOTTED => 29-JUL-2025
TIME PLOTTED => 16:48

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga007.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		12	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

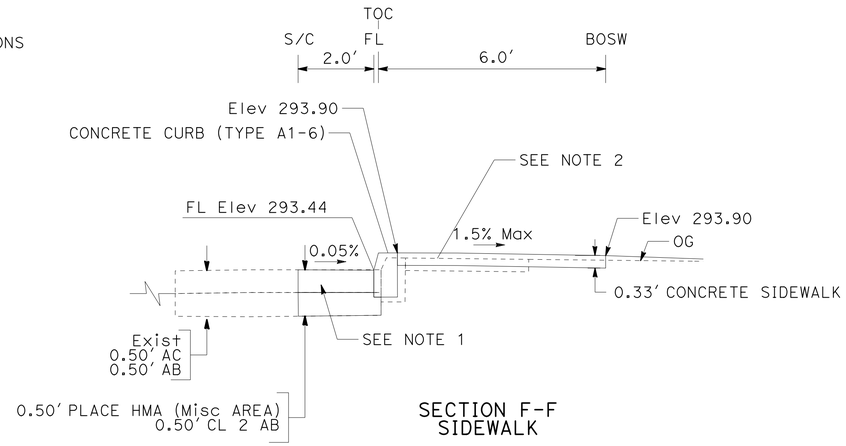
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
Exp. 12/31/25
CIVIL
STATE OF CALIFORNIA

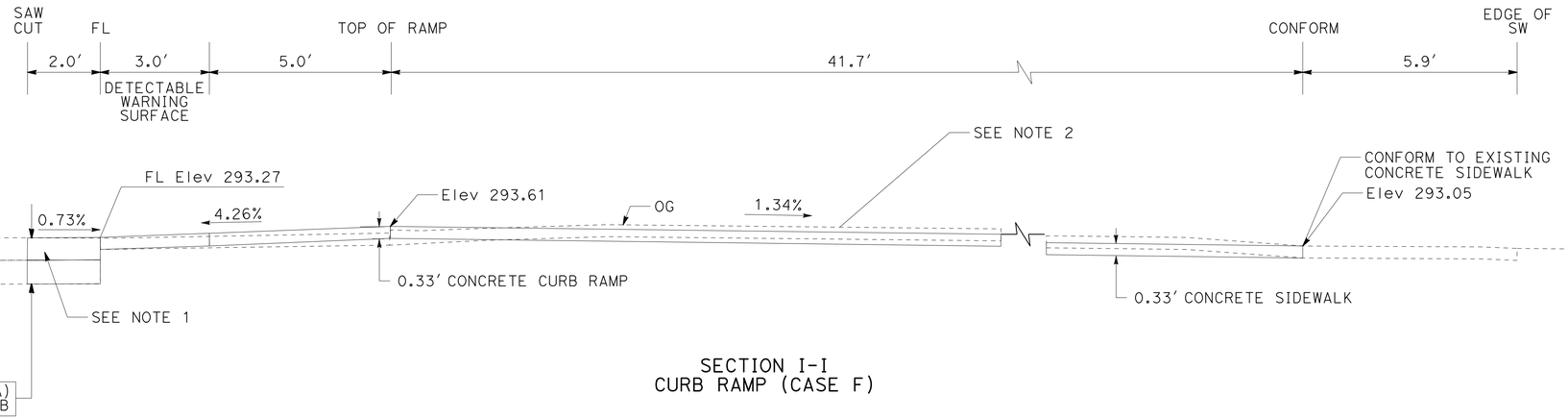
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTE:

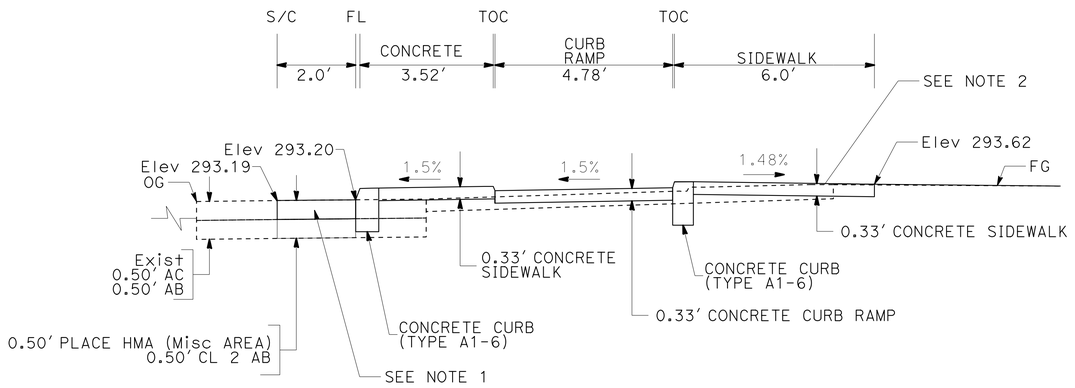
1. SEE C-4 AND C-7 SHEETS FOR PLACE HMA (Misc Cons) LOCATIONS
2. SEE L-1 & L-2 SHEETS FOR Conc CURB AND SIDEWALK REMOVAL LOCATIONS



SECTION F-F
SIDEWALK



SECTION I-I
CURB RAMP (CASE F)



SECTION M-M
CURB RAMP (CASE F)

CONSTRUCTION DETAILS

NO SCALE

C-8

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

CALCULATED-
DESIGNED BY OLIVIA DAVIS
CHECKED BY CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR JUSTIN KIMURA

REVISED BY
DATE REVISED

LAST REVISION 03-25-25
DATE PLOTTED => 29-JUL-2025
TIME PLOTTED => 16:49

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga008.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

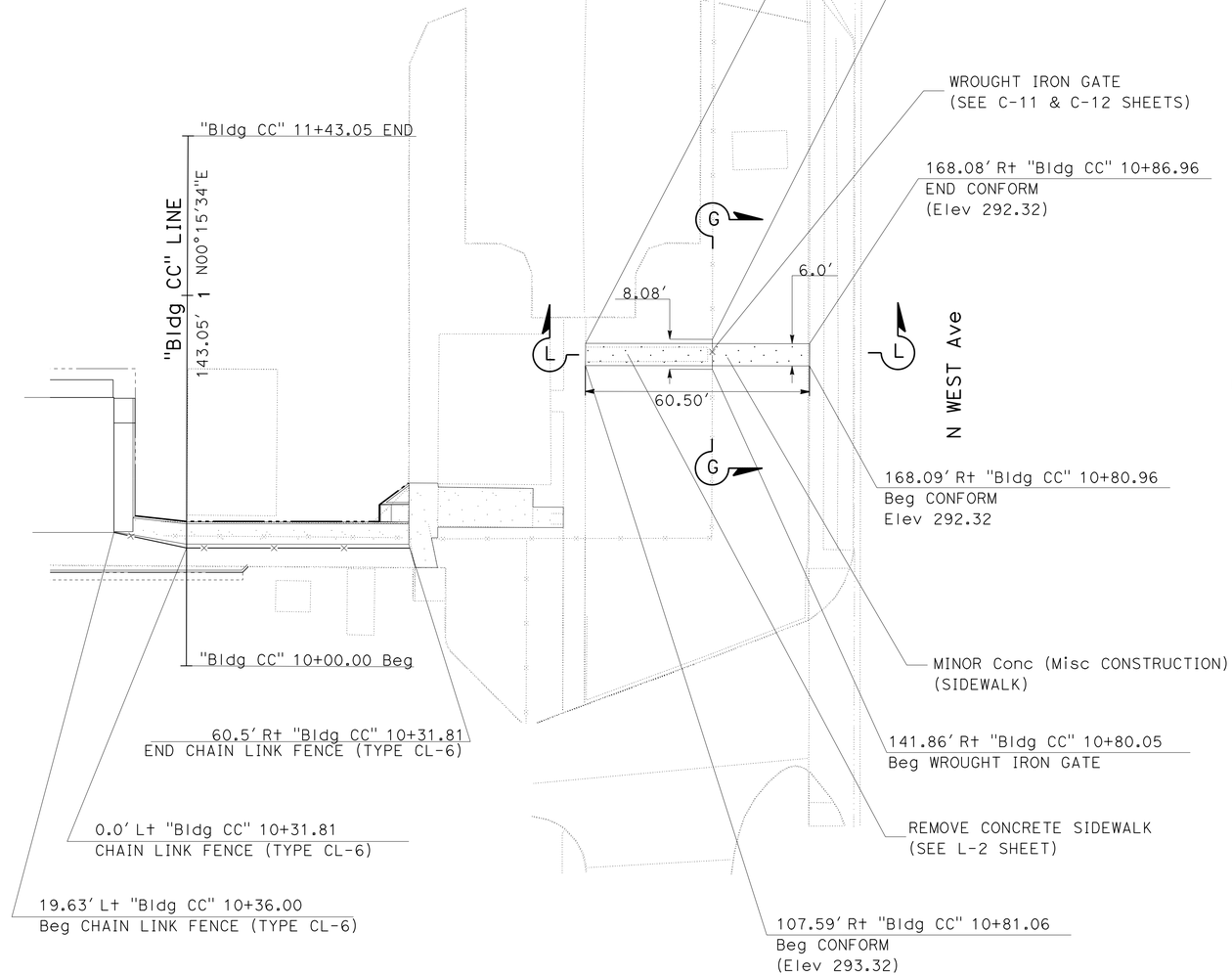
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		13	289

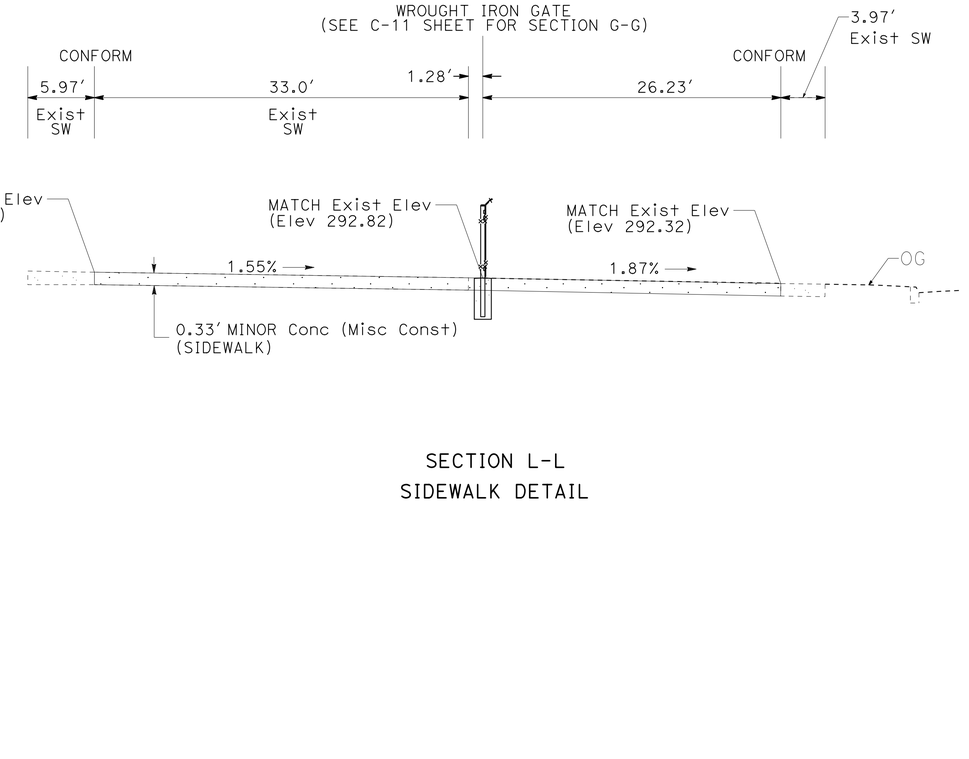
REGISTERED CIVIL ENGINEER — 04-29-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — AXEL CANTU — No. 95412 — Exp. 12/31/25 — CIVIL — STATE OF CALIFORNIA

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





SECTION L-L
SIDEWALK DETAIL

PEDESTRIAN ACCESS

CONSTRUCTION DETAILS
(LOCATION 3)

NO SCALE

C-9

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
REVISED BY
DATE REVISED

LAST REVISION 03-25-25
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:44

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga009.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

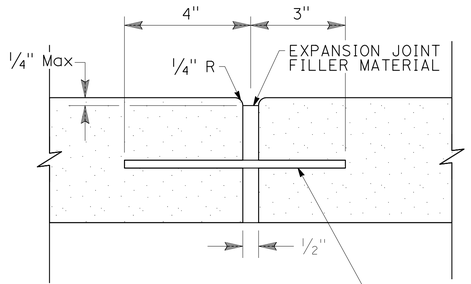
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		14	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

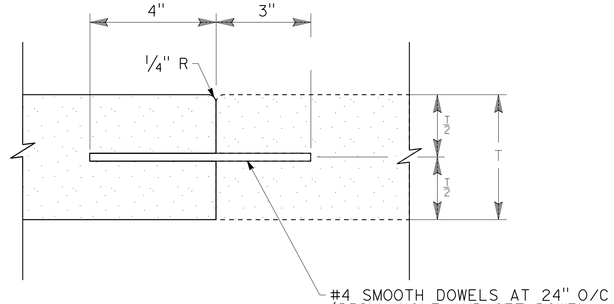
REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
Exp. 12/31/25
CIVIL
STATE OF CALIFORNIA

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



EXPANSION JOINT

(USE AT 12' ON CENTER IN NEW SIDEWALK, SIDES OF RAMPS, AND OR CURB AND GUTTER)



CONTACT JOINT

(USE WHERE NEW CONSTRUCTION OF SIDEWALK, RAMP, AND OR CURB AND GUTTER ABUTTS EXISITING PAVEMENT)

SIDEWALK CONFORM

CONSTRUCTION DETAILS

NO SCALE

C-10

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 19-JUN-2025
03-25-25 TIME PLOTTED => 15:44

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 06180000065ga010.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		15	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

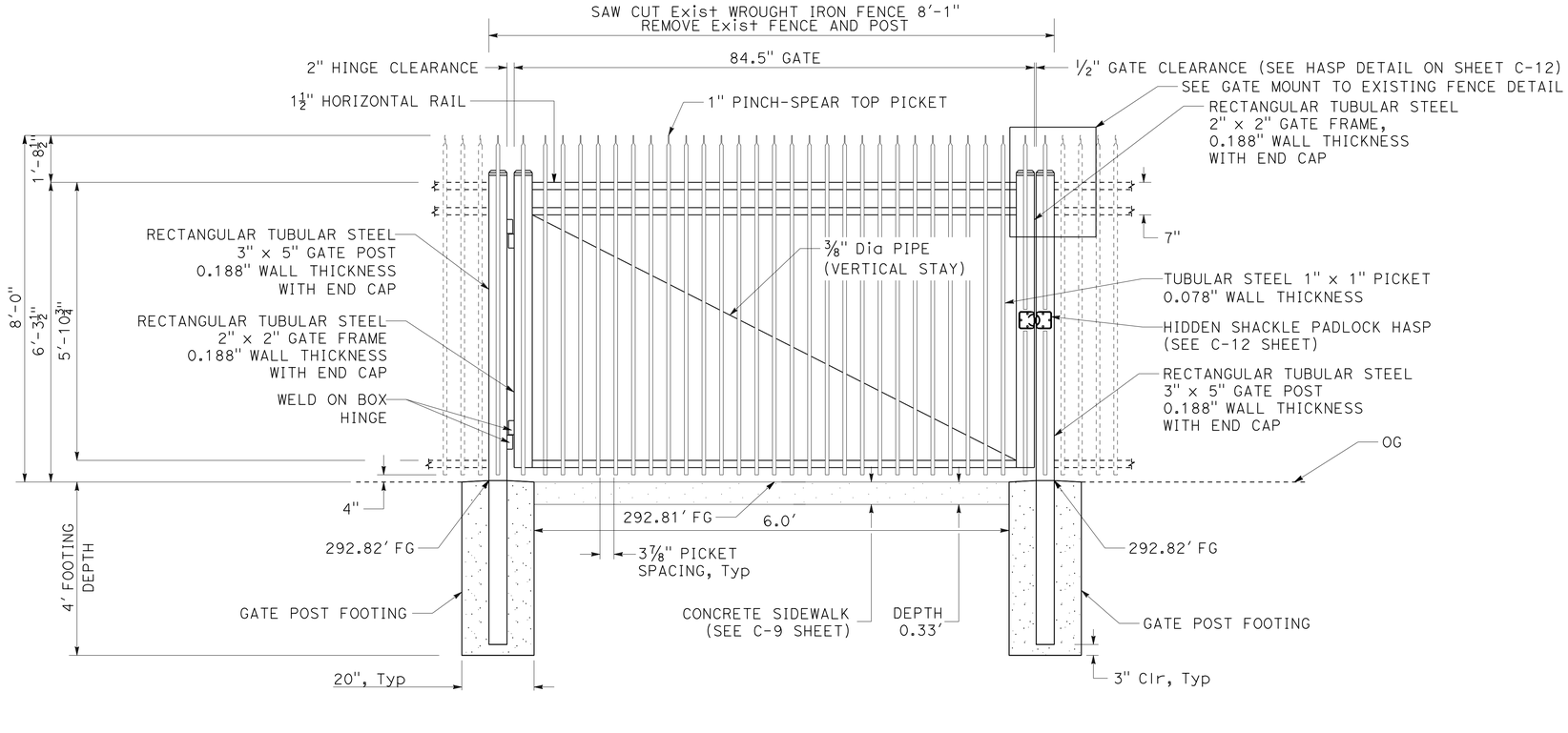
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

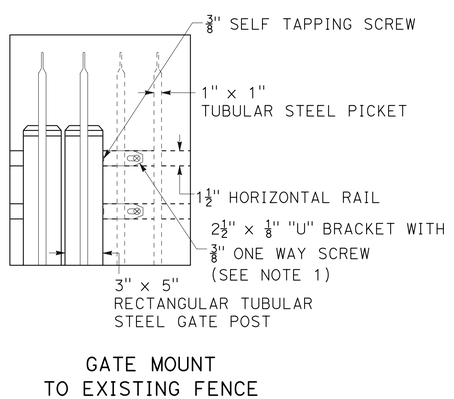
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES (APPLY TO THIS SHEET ONLY):

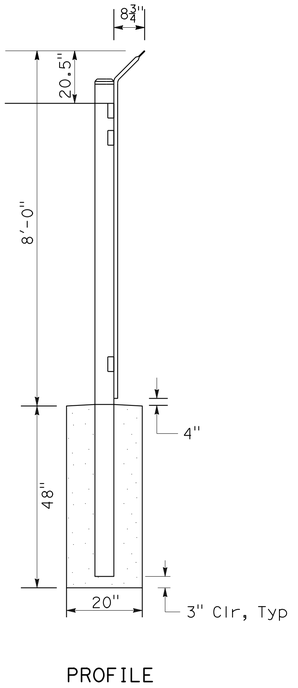
1. ENSURE INSTALLED COMPONENTS MATCH EXISTING FINISH AND AESTHETIC.
2. MOUNT "U" BRACKET TO TUBULAR STEEL GATE POST USING SCREW. FASTEN GATE AND "U" BRACKET TO HORIZONTAL RAIL WITH ONE WAY SCREW AFTER FIRST PICKET. MOUNT A "U" BRACKET FOR BOTH TUBULAR STEEL GATE POST, AT EACH HORIZONTAL RAIL (6).



SECTION G-G
ELEVATION



GATE MOUNT
TO EXISTING FENCE



PROFILE

WROUGHT IRON GATE

CONSTRUCTION DETAILS
NO SCALE

C-11

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 19-JUN-2025
03-25-25 TIME PLOTTED => 15:44

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ga011.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1473
PROJECT NUMBER & PHASE 06180000651

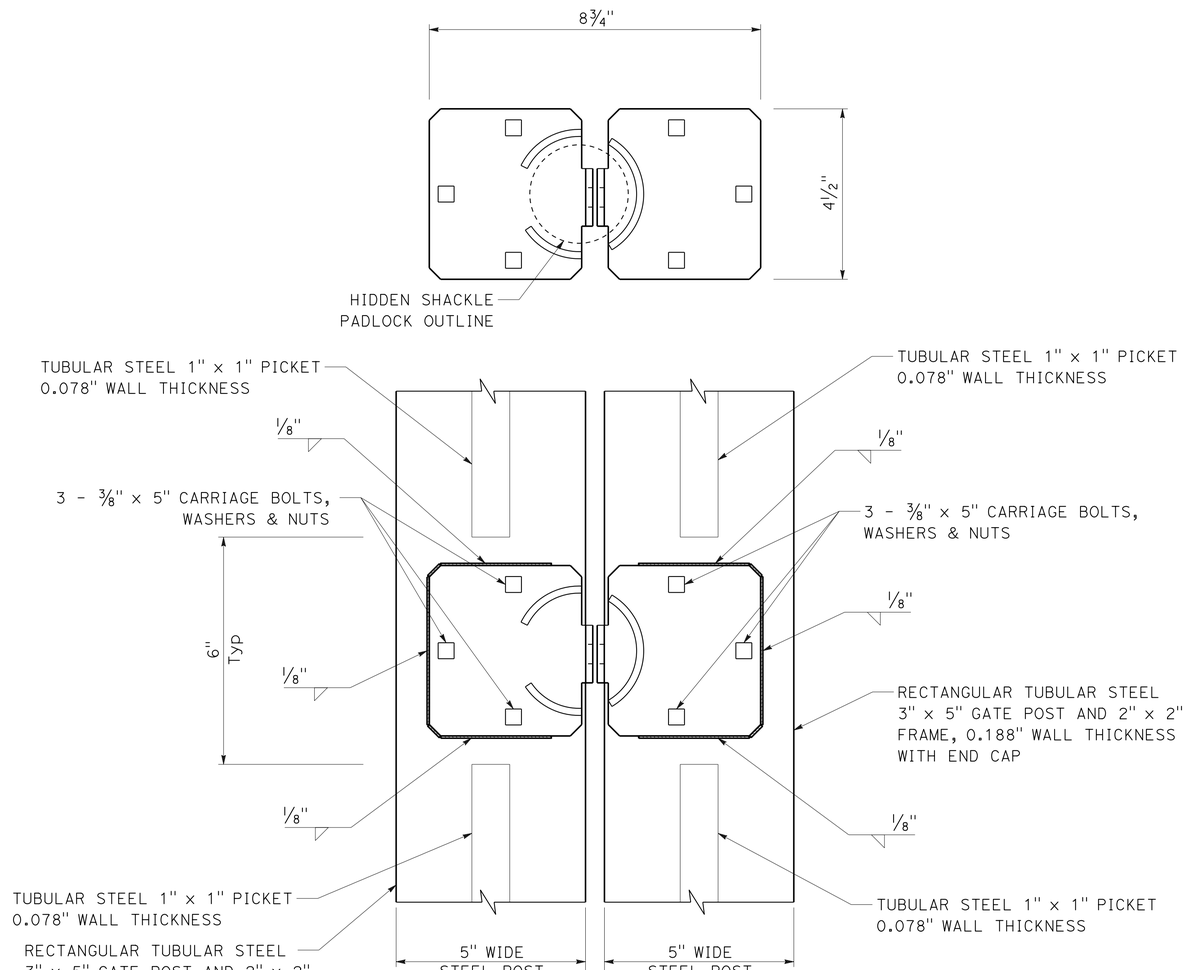
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		16	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

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



FRONT VIEW

HIDDEN SHACKLE PADLOCK HASP DETAIL

CONSTRUCTION DETAILS

NO SCALE

C-12

CALCULATED-DESIGNED BY
CHECKED BY

REVISED BY
DATE REVISED

OLIVIA DAVIS
CHRISTOPHER STANNERT

FUNCTIONAL SUPERVISOR
JUSTIN KIMURA

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION | DATE PLOTTED => 19-JUN-2025
03-25-25 | TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010

USERNAME => s119704
DGN FILE => 0618000065ga012.dgn

RELATIVE BORDER SCALE IS IN INCHES
0 1 2 3

UNIT 1473

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		17	289

Baljit Singh Gill 05-27-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BALJIT SINGH GILL
No. C 81839
Exp. 3/31/26
CIVIL
STATE OF CALIFORNIA

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

NOTE:

ELEVATIONS SHOWN REFER TO THE TOP OF PIPE OR CONDUIT, UNLESS OTHERWISE STATED.

ABBREVIATIONS:

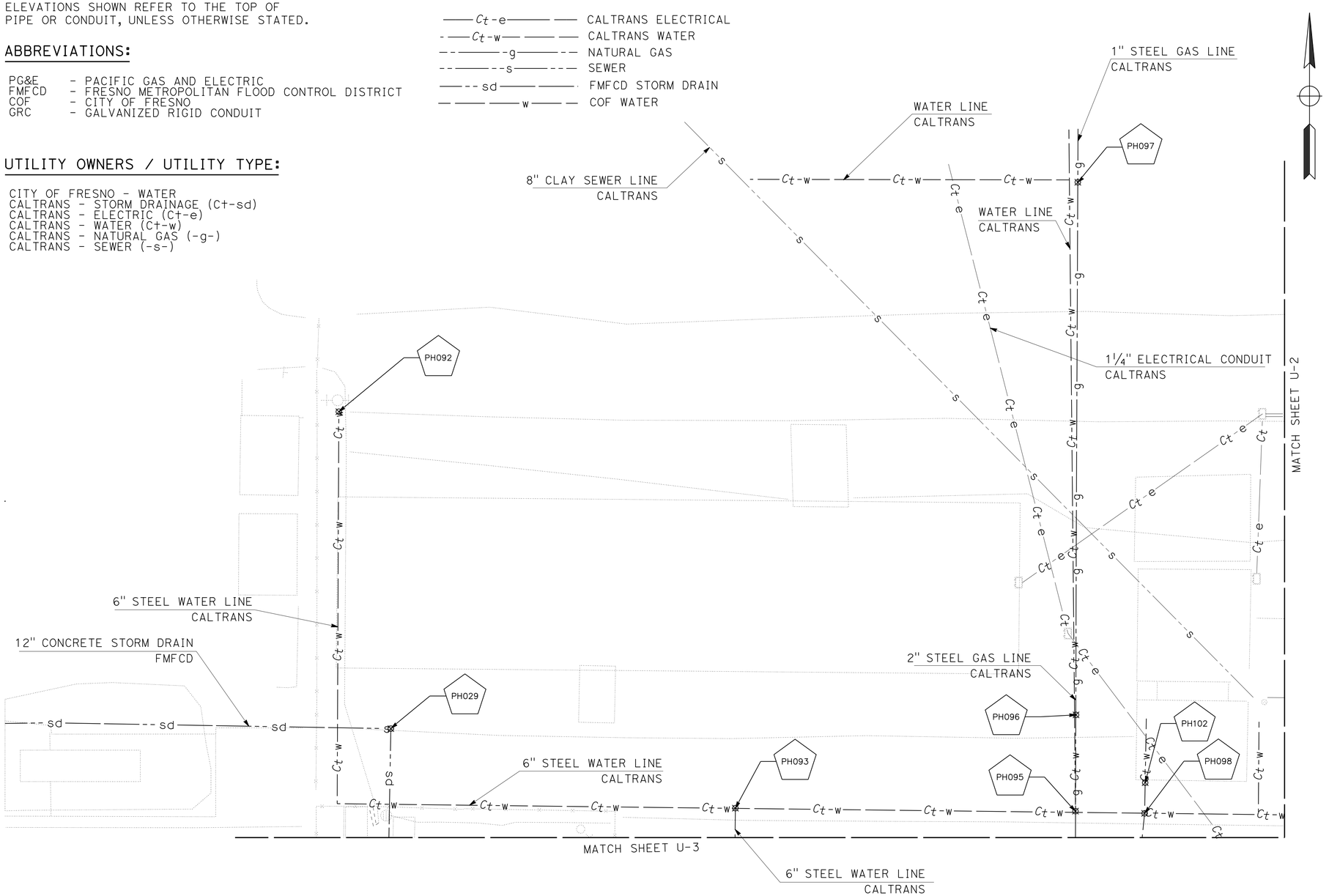
PG&E - PACIFIC GAS AND ELECTRIC
FMFCD - FRESNO METROPOLITAN FLOOD CONTROL DISTRICT
COF - CITY OF FRESNO
GRC - GALVANIZED RIGID CONDUIT

UTILITY OWNERS / UTILITY TYPE:

CITY OF FRESNO - WATER
CALTRANS - STORM DRAINAGE (Ct-sd)
CALTRANS - ELECTRIC (Ct-e)
CALTRANS - WATER (Ct-w)
CALTRANS - NATURAL GAS (-g-)
CALTRANS - SEWER (-s-)

LEGEND:

Ct-e CALTRANS ELECTRICAL
Ct-w CALTRANS WATER
-g- NATURAL GAS
-s- SEWER
sd FMFCD STORM DRAIN
w COF WATER



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 20' **U-1**

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans UTILITY ENGINEERING
FUNCTIONAL SUPERVISOR: BALJIT SINGH GILL
CALCULATED-DESIGNED BY: PRABHVEER KAUR DHALIWAL
CHECKED BY: BALJIT SINGH GILL
REVISED BY / DATE REVISED

LAST REVISION DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:45
05-27-25

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ka001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1461
PROJECT NUMBER & PHASE 06180000651

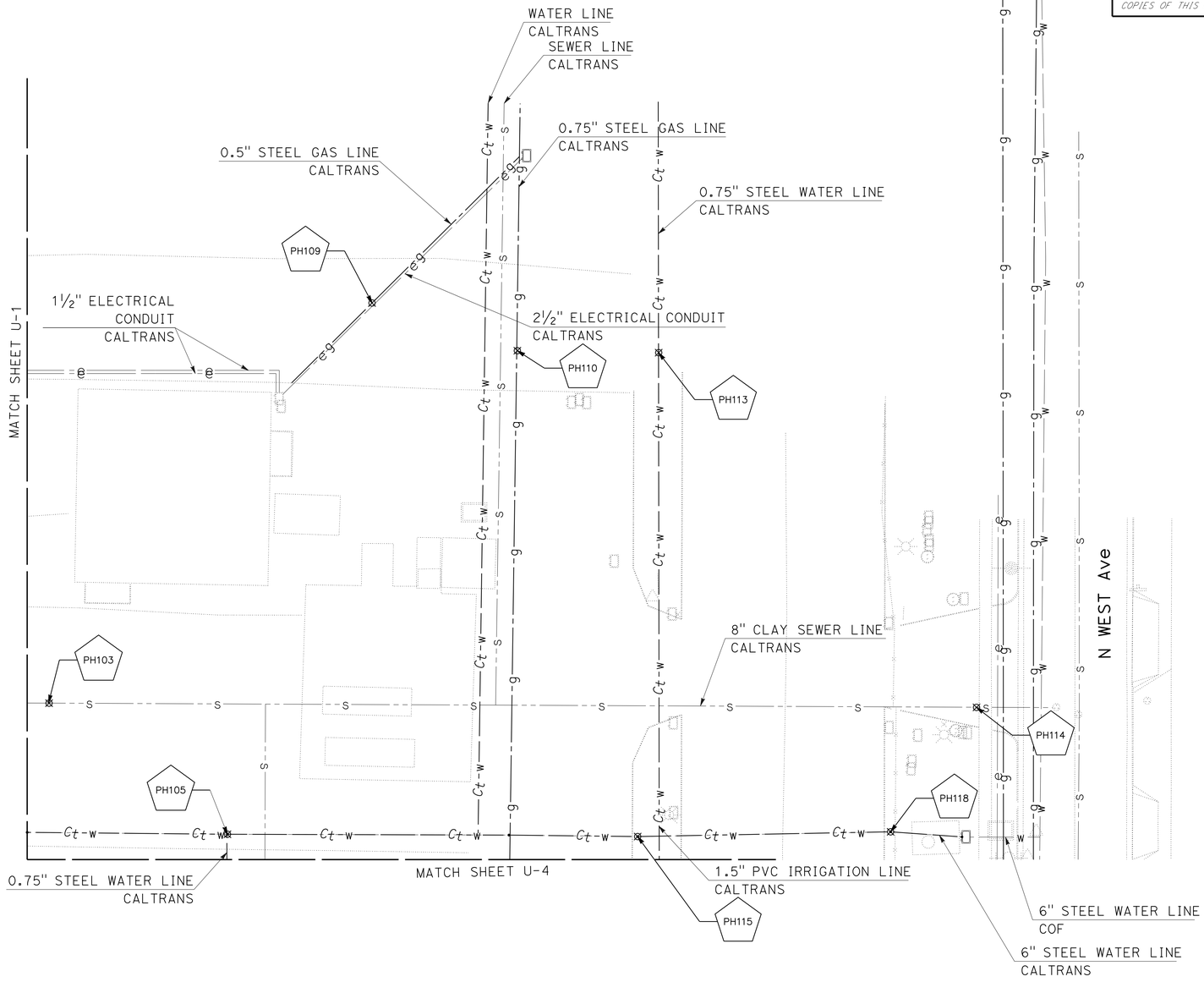
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		18	289

Baljit Singh Gill 05-27-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BALJIT SINGH GILL
No. C 81839
Exp. 3/31/26
CIVIL
STATE OF CALIFORNIA

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



UTILITY PLAN

SCALE: 1" = 20'

U-2

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

CALCULATED-DESIGNED BY
CHECKED BY
PRABHJEER KAUR DHALIWAL
BALJIT SINGH GILL
REVISED BY
DATE REVISED
FUNCTIONAL SUPERVISOR
BALJIT SINGH GILL
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans UTILITY ENGINEERING

LAST REVISION
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:45
05-27-25

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ka002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1461
PROJECT NUMBER & PHASE 06180000651

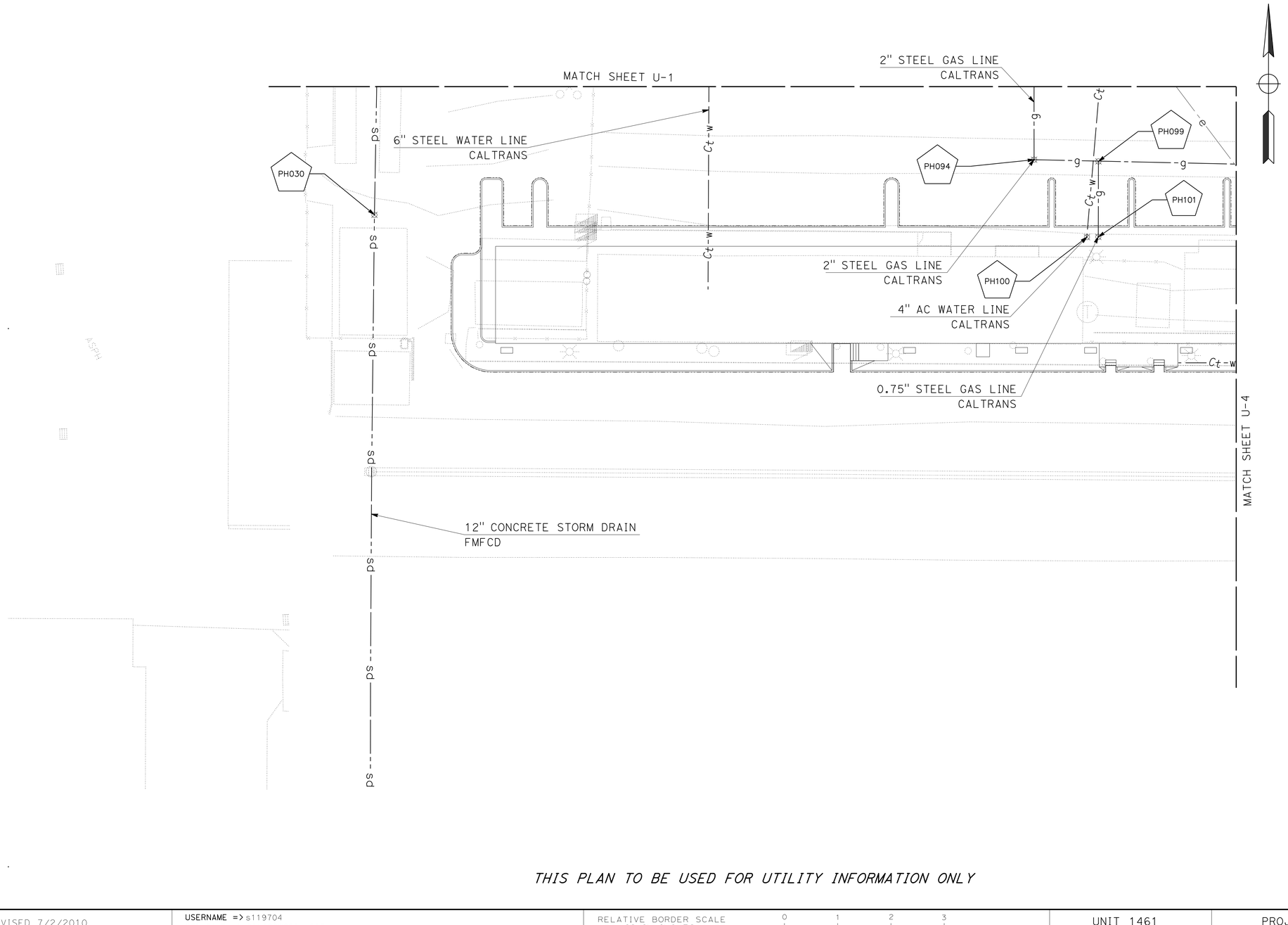
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		19	289

Baljit Singh Gill 05-27-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BALJIT SINGH GILL
No. C 81839
Exp. 3/31/26
CIVIL
STATE OF CALIFORNIA

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



THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

UTILITY PLAN
SCALE: 1" = 20' **U-3**

REVISED BY | DATE REVISED
PRABHVEER KAUR DHALIWAL | BALJIT SINGH GILL
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: BALJIT SINGH GILL
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans UTILITY ENGINEERING

LAST REVISION | DATE PLOTTED => 19-JUN-2025
05-27-25 | TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010 | USERNAME => s119704 | DGN FILE => 0618000065ka003.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1461 | PROJECT NUMBER & PHASE 06180000651

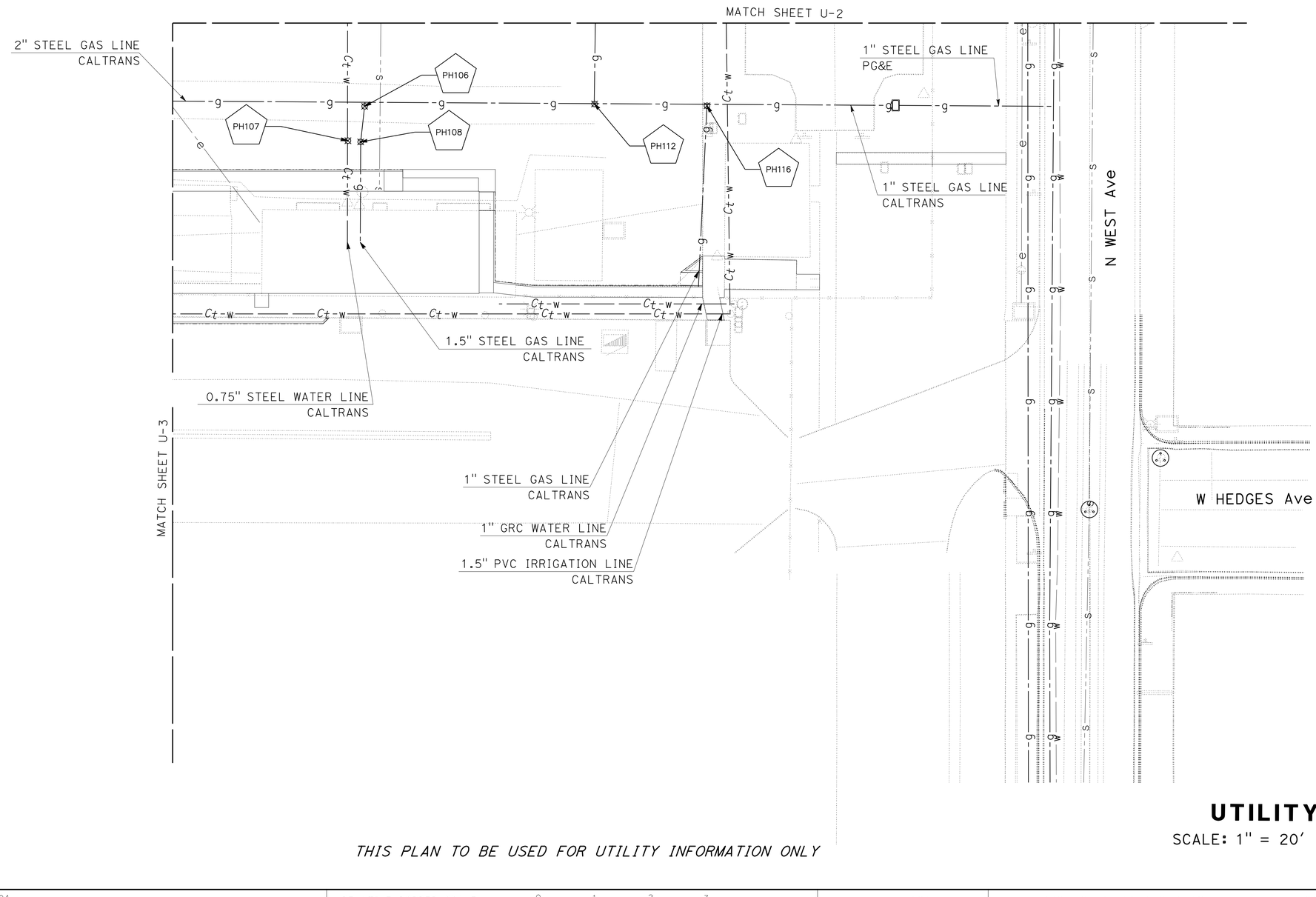
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		20	289

Baljit Singh Gill 05-27-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BALJIT SINGH GILL
No. C 81839
Exp. 3/31/26
CIVIL
STATE OF CALIFORNIA

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



UTILITY PLAN
SCALE: 1" = 20'

U-4

THIS PLAN TO BE USED FOR UTILITY INFORMATION ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans UTILITY ENGINEERING

FUNCTIONAL SUPERVISOR: BALJIT SINGH GILL
CALCULATED-DESIGNED BY: PRABHVEER KAUR DHALIWAL
CHECKED BY: BALJIT SINGH GILL
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 19-JUN-2025
05-27-25 TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010
USERNAME => s119704
DGN FILE => 0618000065ka004.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1461
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		21	289

Baljit Singh Gill 05-27-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
BALJIT SINGH GILL
No. C 81839
Exp. 3/31/26
CIVIL
STATE OF CALIFORNIA

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

POSITIVE LOCATION INFORMATION

No. ⬠	POSLOC ID No.	UTILITY COMPANY	UTILITY	SIZE/TYPE	NORTHING	EASTING	ELEVATION	DEPTH	METHOD
PH029	PROP-029	FMFCD	SD	CONCRETE	2160557.57	6318857.17	291.22	DRY HOLE	TESTHOLE
PH030	PROP-030	FMFCD	SD	12" CONCRETE	2160470.17	6318855.67	291.40	8.71′	TESTHOLE
PH092	PROP-092	CALTRANS	WATER	6" STEEL	2160670.86	6318838.65	290.98	2.70′	TESTHOLE
PH093	PROP-093	CALTRANS	WATER	6" STEEL	2160528.90	6318981.37	292.06	3.50′	TESTHOLE
PH094	PROP-094	CALTRANS	GAS	2" STEEL	2160490.85	6319103.33	292.99	2.90′	TESTHOLE
PH095	PROP-095	CALTRANS	GAS, WATER	2" STEEL, 6" STEEL	2160527.83	6319103.83	292.69	2.45′, 4.25′	TESTHOLE
PH096	PROP-096	CALTRANS	GAS, WATER	2" STEEL, 1" STEEL	2160562.50	6319104.10	293.04	3.60′	TESTHOLE
PH097	PROP-097	CALTRANS	GAS	1" STEEL	2160754.54	6319104.80	293.76	2.50′	TESTHOLE
PH098	PROP-098	CALTRANS	WATER	0.75"STL, 1"STL, 6" STL	2160527.08	6319128.79	292.80	1.70′, 4.3′	TESTHOLE
PH099	PROP-099	CALTRANS	GAS	1" STEEL	2160490.23	6319127.47	292.95	2.55′	TESTHOLE
PH100	PROP-100	CALTRANS	WATER	1" STEEL, 0.75" STEEL	2160461.88	6319123.26	293.02	1.45′	TESTHOLE
PH101	PROP-101	CALTRANS	GAS	1" STEEL, 0.75" STEEL	2160461.89	6319127.40	293.06	2.33′	TESTHOLE
PH102	PROP-102	CALTRANS	WATER	1½" STEEL	2160538.04	6319129.03	292.97	1.20′	TESTHOLE
PH103	PROP-103	CALTRANS	SEWER	8" CLAY	2160567.20	6319186.06	293.13	6.20′	TESTHOLE
PH105	PROP-105	CALTRANS	WATER	1" STEEL, 6" STEEL	2160526.25	6319241.74	293.16	3.1′,4.8′	TESTHOLE
PH106	PROP-106	CALTRANS	SEWER,GAS	8" CLAY, 1½" STEEL	2160488.63	6319247.73	293.38	2.40′, 3.20′	TESTHOLE
PH107	PROP-107	CALTRANS	WATER	¾" STEEL	2160476.40	6319241.70	293.36	2.55′	TESTHOLE
PH108	PROP-108	CALTRANS	GAS	1½" STEEL	2160475.99	6319246.28	293.39	2.50′	TESTHOLE
PH109	PROP-109	CALTRANS	GAS	VARIOUS	2160692.14	6319286.90	293.47	2.00′	TESTHOLE
PH110	PROP-110	CALTRANS	GAS	1" STEEL, 0.75" STEEL	2160677.31	6319332.25	293.38	2.52′	TESTHOLE
PH112	PROP-112	CALTRANS	GAS	1" STEEL	2160489.51	6319329.67	293.24	2.80′	TESTHOLE
PH113	PROP-113	CALTRANS	WATER	½" STEEL	2160676.29	6319374.66	293.68	1.00′	TESTHOLE
PH114	PROP-114	CALTRANS	SEWER	8" CLAY	2160566.89	6319376.10	292.42	7.60′	TESTHOLE
PH115	PROP-115	CALTRANS	WATER	6" STEEL	2160525.40	6319370.00	292.69	4.80′	TESTHOLE
PH116	PROP-116	CALTRANS	GAS	1" STEEL	2160489.47	6319367.10	293.28	3.10′	TESTHOLE
PH118	PROP-118	CALTRANS	WATER	6" STEEL	2160525.46	6319448.12	295.42	5.20′	TESTHOLE

REVISED BY | DATE REVISED

CALCULATED-DESIGNED BY: PRABHVEER KAUR DHALIWAL
CHECKED BY: BALJIT SINGH GILL

FUNCTIONAL SUPERVISOR: BALJIT SINGH GILL

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans UTILITY ENGINEERING

UTILITY PLAN
U-5

LAST REVISION | DATE PLOTTED => 19-JUN-2025
05-27-25 | TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010 | USERNAME => s119704 | DGN FILE => 0618000065ka005.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1461 | PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		22	289

Chase Fidler 04-24-25
REGISTERED CIVIL ENGINEER DATE

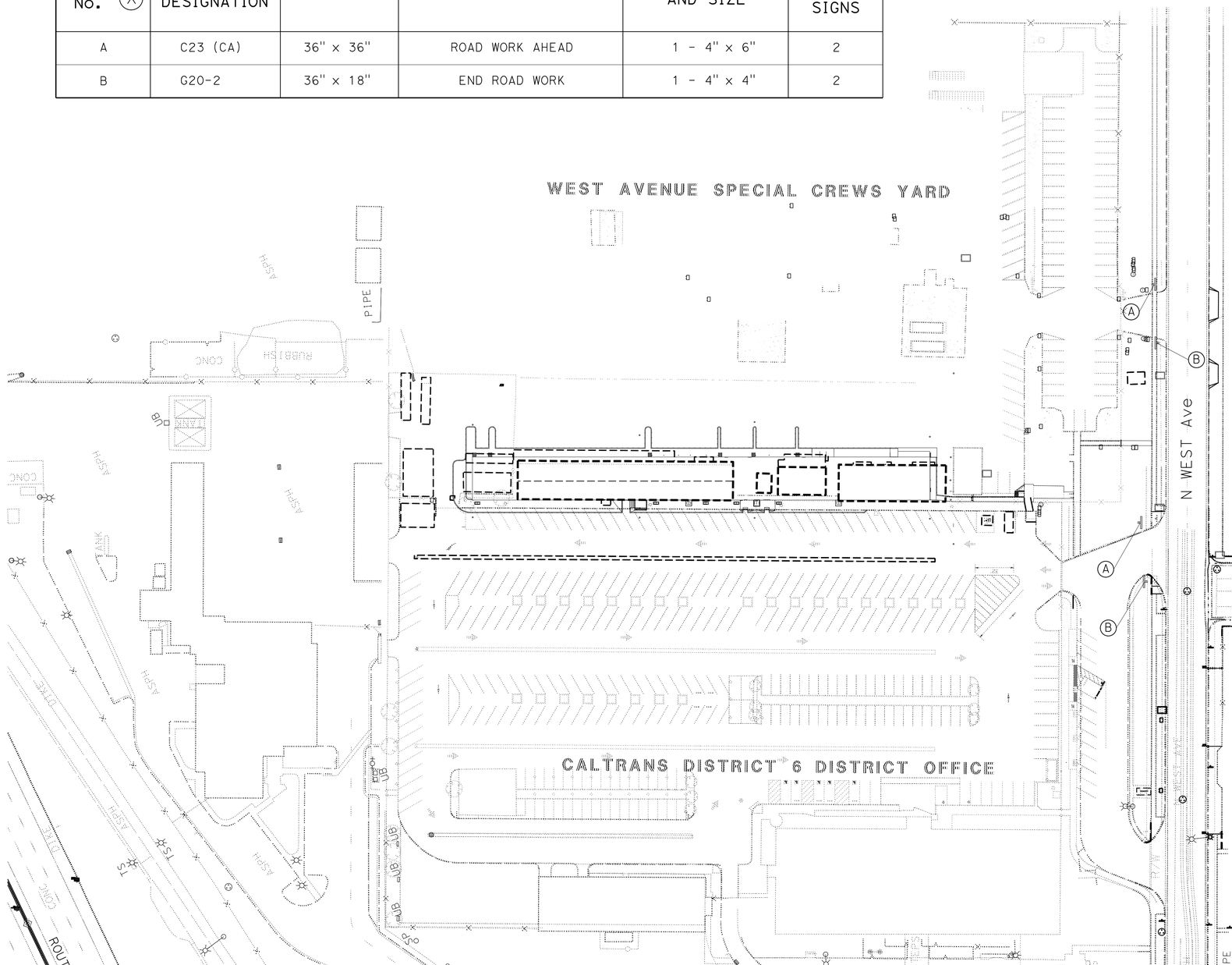
May 27, 2025
PLANS APPROVAL DATE

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
CHASE J. FIDLER
No. 95038
Exp. 9/30/25
CIVIL
STATE OF CALIFORNIA

STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No. (X)	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
A	C23 (CA)	36" x 36"	ROAD WORK AHEAD	1 - 4" x 6"	2
B	G20-2	36" x 18"	END ROAD WORK	1 - 4" x 4"	2



Ⓐ ROAD WORK AHEAD — C23 (CA)

Ⓑ END ROAD WORK — G20-2

APPROVED FOR CONSTRUCTION AREA SIGN WORK ONLY

CONSTRUCTION AREA SIGNS

NO SCALE

CS-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: STEVE M LEE
CALCULATED-DESIGNED BY: CHASE FIDLER
CHECKED BY: STEVE M LEE
REVISED BY
DATE REVISED

LAST REVISION DATE PLOTTED => 24-APR-2025
03-06-24 TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 06180000651a001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		23	289

REGISTERED CIVIL ENGINEER — DATE: 04-28-25

PLANS APPROVAL DATE: May 27, 2025

AXEL CANTU No. 95412 Exp. 12/31/25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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STAGE 1

CONSTRUCTION WORK TO BE PERFORMED:

PHASE 1

1. PLACE Temp FENCE, CONSTRUCT AREA SIGNS, Temp TRAFFIC CONTROL, DELINEATION, AND SIGN WORK.
2. CONSTRUCT BUILDING WORK.
3. CONSTRUCT RETAINING CURB AT LOCATION 1.
4. PERFORM WORK OUTSIDE OF TEMPORARY FENCE AT PEDESTRIAN ACCESS LOCATION 2 AND 3. THIS WORK INCLUDES:
   LOCATION 2: REMOVE EXISTING CHAIN LINK FENCE, REMOVE EXISTING CONCRETE WALKWAY, INSTALL NEW CONCRETE WALKWAY
   LOCATION 3: REMOVE WROUGHT IRON FENCE, CONSTRUCT PEDESTRIAN ACCESS TO WEST AVENUE, AND INSTALL WROUGHT IRON GATE.

PHASE 2

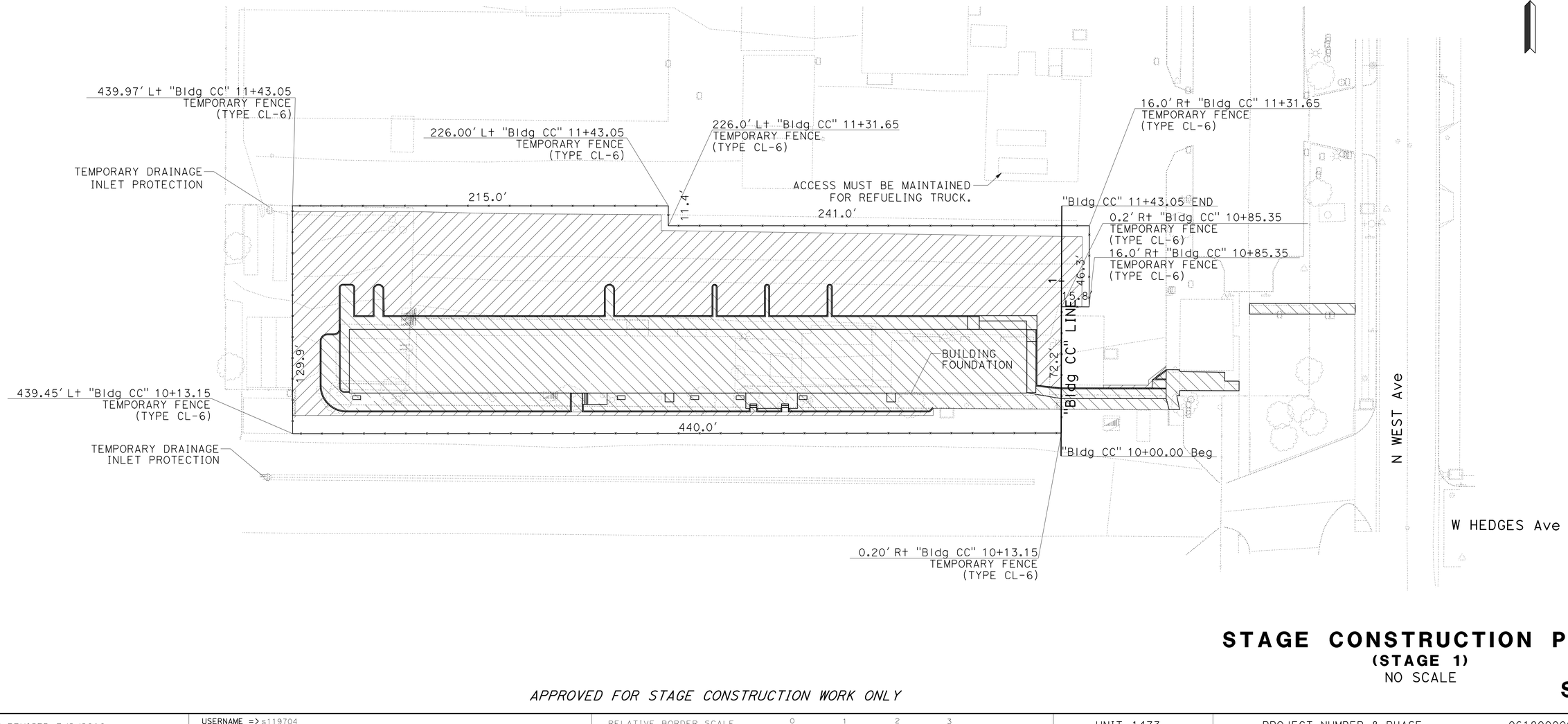
1. PERFORM ROADWAY EXCAVATION, PLACE CLASS 2 AB, AND HMA. (ACCESS MUST BE MAINTAINED FOR REFUEL TRUCK BETWEEN

LEGEND:

STAGE 1 (PHASE 1)

STAGE 1 (PHASE 2)

Var 1' - 1.3' ROADWAY EXCAVATION
0.75 CL 2 AB
0.35 HMA (TYPE A)



STAGE CONSTRUCTION PLAN

(STAGE 1)

NO SCALE

SC-1

APPROVED FOR STAGE CONSTRUCTION WORK ONLY

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION — DESIGN

FUNCTIONAL SUPERVISOR: JUSTIN KIMURA

CALCULATED-DESIGNED BY: OLIVIA DAVIS

CHECKED BY: CHRISTOPHER STANNERT

REVISED BY | DATE REVISED

LAST REVISION 03-25-25 | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010 | USERNAME => s119704 | DGN FILE => 0618000065ma001.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1473 | PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		24	289

04-28-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
Exp. 12/31/25
CIVIL
STATE OF CALIFORNIA

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

STAGE 2

CONSTRUCTION WORK TO BE PERFORMED:

PHASE 1

1. RELOCATE TEMPORARY FENCE (TYPE CL-6) BETWEEN Sta 11+31.65, 226.0 Lt TO Sta 11+43.05, 226.0 Lt Sta 11+31.65, 16.0 Lt TO 11+43.05, 16.0 Lt, FOR Max of 8 DAYS. (TEMPORARY ACCESS MUST BE MAINTAINED FOR BUILDING CC).
2. PERFORM ROADWAY EXCAVATION, PLACE CLASS 2 AGGREGATE BASE AND HMA (TYPE A) WITHIN HATCHED AREA IN A MAXIMUM OF 7 DAYS.

PHASE 2

1. REMOVE TEMPORARY FENCE (TYPE CL-6)
2. COORDINATE PAVING ACTIVITIES WITH ENGINEER TO MINIMIZE DISRUPTION TO MAINTENANCE OPERATIONS.
3. TOP LIFT REMAINING 0.20' HMA (TYPE A)
4. PLACE CHAIN LINK FENCE (TYPE CL-6) AS SHOWN ON L-1 AND C-9.

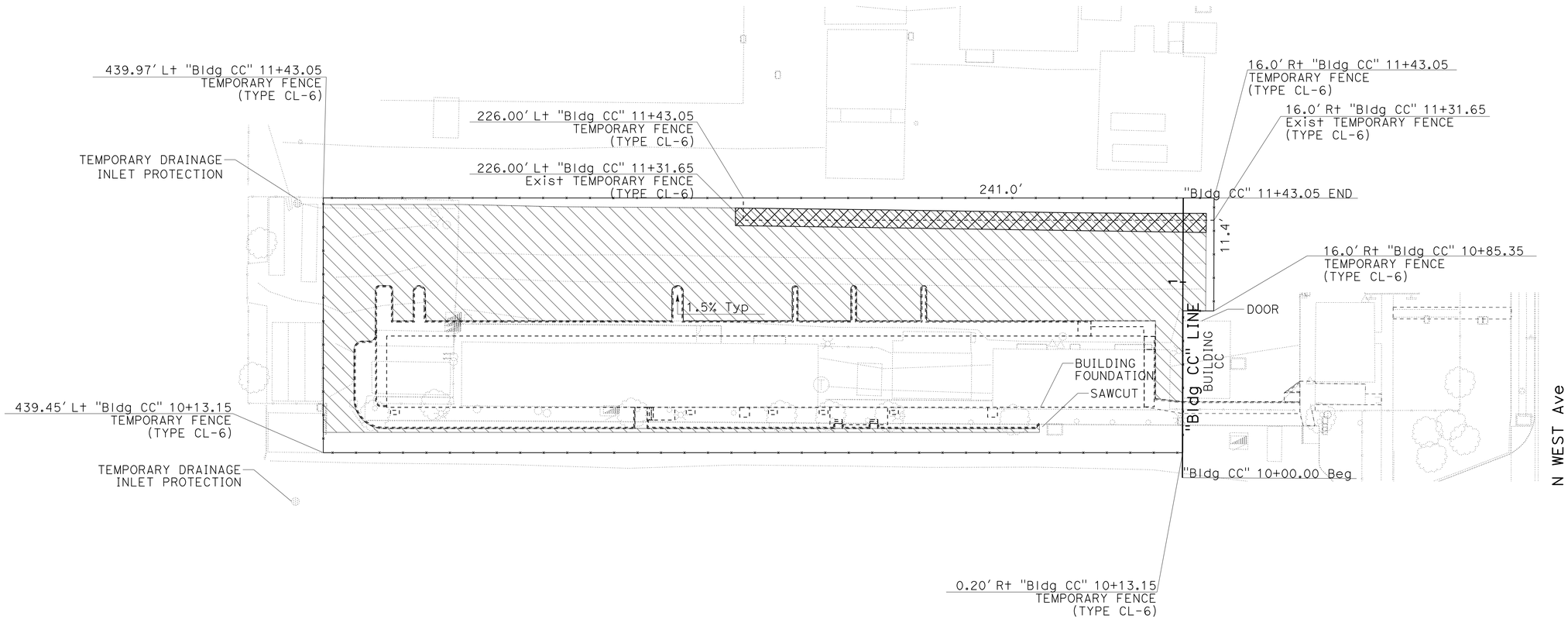
LEGEND:

STAGE 2 (PHASE 1)

Var 1' - 1.3' ROADWAY EXCAVATION
0.75 CL 2 AB
0.35 HMA (TYPE A)

STAGE 2 (PHASE 2)

0.2' HMA



APPROVED FOR STAGE CONSTRUCTION WORK ONLY

STAGE CONSTRUCTION PLAN
(STAGE 2)
NO SCALE

SC-2

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
OLIVIA DAVIS | CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR | JUSTIN KIMURA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN

LAST REVISION 03-25-25 | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:45

BORDER LAST REVISED 7/2/2010 | USERNAME => s119704 | DGN FILE => 0618000065ma002.dgn | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 1473 | PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		25	289

Chase Fidler 04-24-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHASE J. FIDLER
No. 95038
Exp. 9/30/25
CIVIL
STATE OF CALIFORNIA

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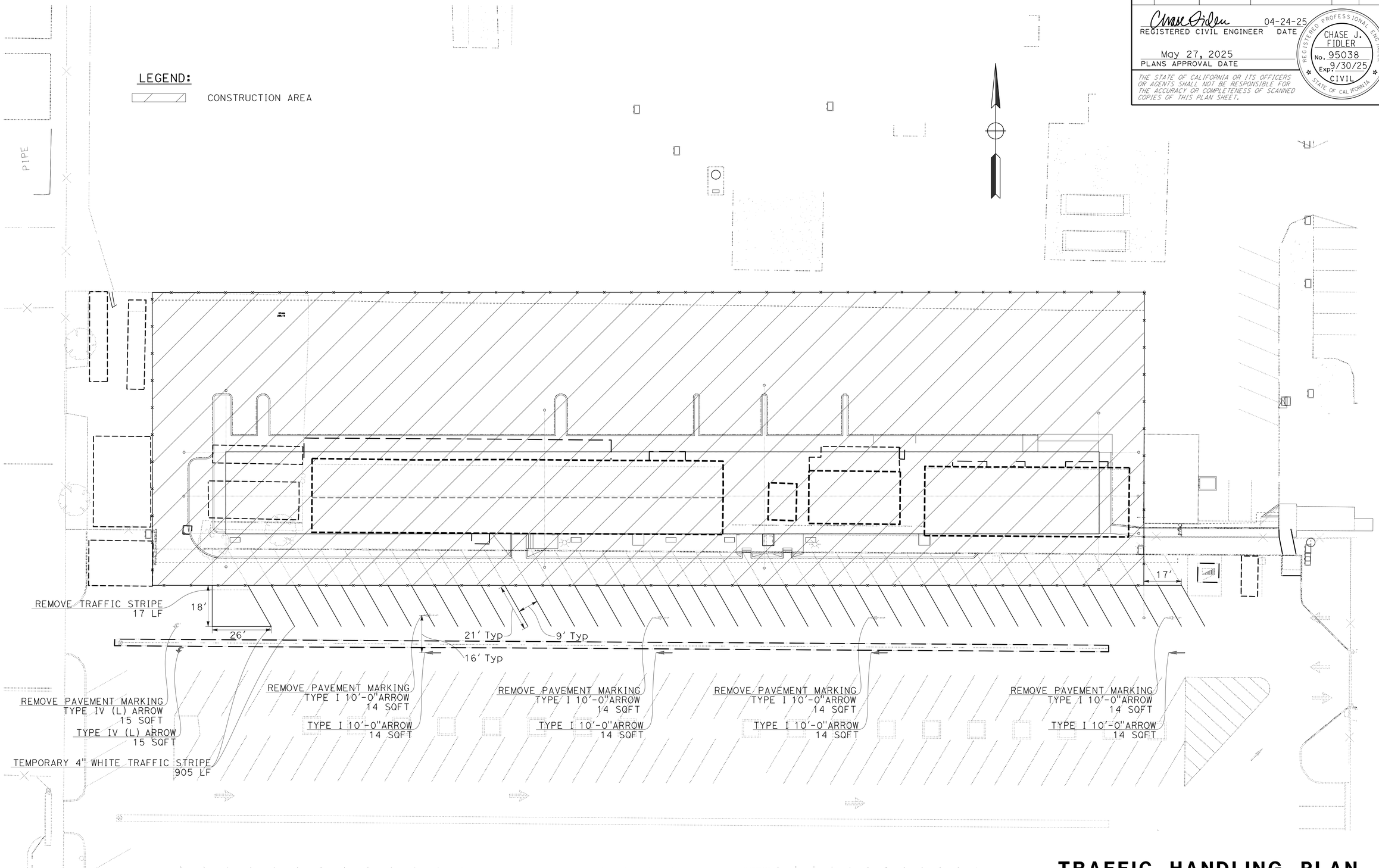
LEGEND:

CONSTRUCTION AREA



TRAFFIC HANDLING PLAN

SCALE: 1" = 20'

TH-1

APPROVED FOR TRAFFIC HANDLING WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: CHASE FIDLER
CHECKED BY: STEVE M LEE
FUNCTIONAL SUPERVISOR: STEVE M LEE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
Caltrans

LAST REVISION 00-00-00
DATE PLOTTED => 24-APR-2025
TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 0618000065md001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		26	289

Chase Fidler 04-24-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

CHASE J. FIDLER No. 95038 Exp. 9/30/25 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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TEMPORARY PAVEMENT DELINEATION QUANTITIES

SHEET No.	TEMPORARY TRAFFIC STRIPE (TAPE)
	4" (WHITE)
	LF
TH-1	905
TOTAL	905

SHEET No.	REMOVE PAINTED TRAFFIC STRIPE
	LF
TH-1	17
TOTAL	17

REMOVE PAINTED PAVEMENT MARKING		
DESCRIPTION	No. OF MARKINGS	SQFT
TYPE I 10'-0" ARROW	4	56
TYPE IV (L) ARROW	1	15
	TOTAL	71

TEMPORARY PAVEMENT MARKING (TAPE)		
DESCRIPTION	No. OF MARKINGS	SQFT
TYPE I 10'-0" ARROW	4	56
TYPE IV (L) ARROW	1	15
	TOTAL	71

TRAFFIC HANDLING QUANTITES
THQ-1

REVISED BY | DATE REVISED
CHASE FIDLER | STEVE M LEE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE M LEE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION 03-06-24
DATE PLOTTED => 24-APR-2025
TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 0618000065mf001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		27	289

Chase Fidler 04-24-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHASE J. FIDLER
No. 95038
Exp 9/30/25
CIVIL
STATE OF CALIFORNIA

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NOTE:

EXACT SIGN LOCATIONS TO BE DETERMINED BY THE ENGINEER.

1-1
1-2
1-3

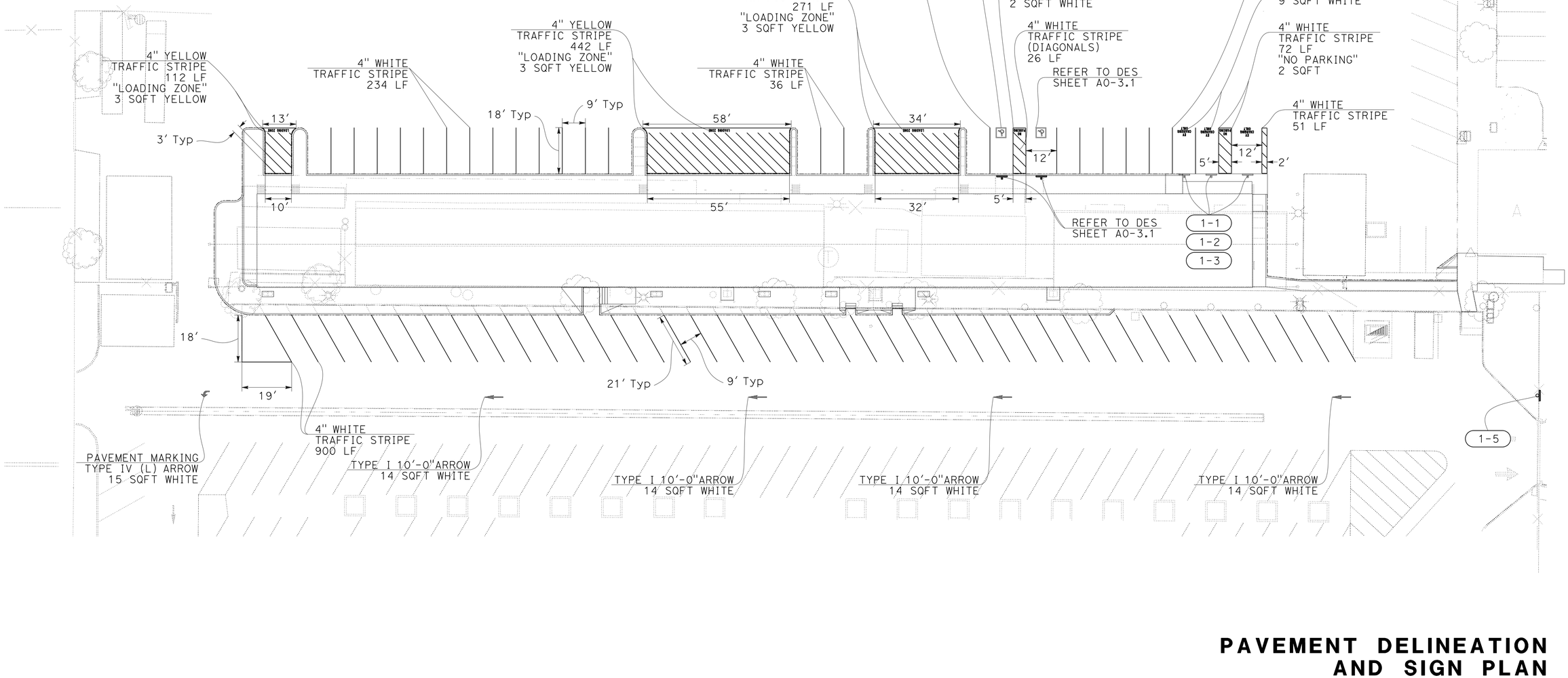
R114 (CA)

1-4

R26F (CA)

1-5

R26F (CA)
STRAP
&
SADDLE
BRACKET
METHOD



APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PAVEMENT DELINEATION AND SIGN PLAN

SCALE: 1" = 20'

PD-1

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
TRAFFIC DESIGN
FUNCTIONAL SUPERVISOR: STEVE M LEE
CALCULATED-DESIGNED BY: CHASE FIDLER
CHECKED BY: STEVE M LEE
REVISED BY
DATE REVISED

LAST REVISION 03-06-24
DATE PLOTTED => 24-APR-2025
TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 0618000065na001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		28	289

Chase Fidler 04-24-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
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REGISTERED PROFESSIONAL ENGINEER
CHASE J. FIDLER
No. 95038
Exp. 9/30/25
CIVIL
STATE OF CALIFORNIA

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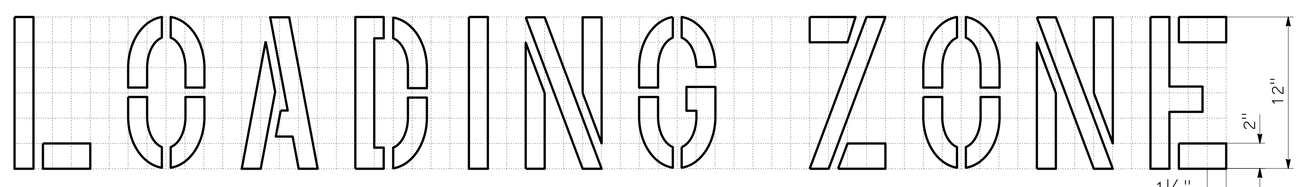
A=3 ft²



A=3 ft²

PAVEMENT MARKING DETAILS

PAVEMENT DELINEATION DETAILS
NO SCALE

PDD-1

CALCULATED-DESIGNED BY: CHASE FIDLER
CHECKED BY: STEVE M LEE
FUNCTIONAL SUPERVISOR: STEVE M LEE
REVISED BY
DATE REVISED

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

LAST REVISION 03-06-24
DATE PLOTTED => 24-APR-2025
TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 0618000065nb001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		29	289

Chase Fidler 04-24-25
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CHASE J. FIDLER
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PAVEMENT DELINEATION QUANTITIES

SHEET No.	PAINT TRAFFIC STRIPE (2-COAT) 4" (YELLOW) LF	4" (WHITE) LF	4" (BLUE) LF	PAINT PAVEMENT MARKING (2-COAT) DESCRIPTION	No. OF MARKINGS	(YELLOW) SQFT	(WHITE) SQFT
PD-1	825						
		1463					
			46				
				LOADING ZONE	3	9	
				EV CHARGING ONLY	3		9
				NO PARKING	2		4
				TYPE I 10'-0" ARROW	4		56
				TYPE IV (L) ARROW	1		15
SUBTOTAL	825	1463	46			9	84
TOTAL	2334					93	

REVISED BY | DATE REVISED
CHASE FIDLER | STEVE M LEE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE M LEE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
TRAFFIC DESIGN

PAVEMENT DELINEATION QUANTITIES
PDQ-1

LAST REVISION 03-06-24 | DATE PLOTTED => 24-APR-2025 | TIME PLOTTED => 13:28

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		30	289

Chase Fidler 04-24-25
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May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
CHASE J. FIDLER
No. 95038
Exp. 9/30/25
CIVIL
STATE OF CALIFORNIA

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ABBREVIATION:
PSST - PERFORATED SQUARE STEEL TUBE

ROADSIDE SIGN QUANTITIES

SHEET No.	SIGN No.	SIGN DESIGNATION	SIGN MESSAGE	PANEL SIZE	POST SIZE	BACK-GROUND		LEGEND		FURNISH SINGLE SHEET ALUMINUM SIGN	ROADSIDE SIGN - ONE POST	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)
						SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	SHEETING COLOR	RETROREFLECTIVITY ASTM TYPE	UNFRAMED 0.063"		
				INCHES	INCHES					SQFT	EA	EA
PD-1	1-1	R114 (CA)	4 HOUR EV CHARGING - 8 AM TO 6 PM	12 x 18	PSST - 2.5 x 2.5	WHITE	IX	BLACK		1.50	1	
PD-1	1-2	R114 (CA)	4 HOUR EV CHARGING - 8 AM TO 6 PM	12 x 18	PSST - 2.5 x 2.5	WHITE	IX	BLACK		1.50	1	
PD-1	1-3	R114 (CA)	4 HOUR EV CHARGING - 8 AM TO 6 PM	12 x 18	PSST - 2.5 x 2.5	WHITE	IX	BLACK		1.50	1	
PD-1	1-4	R26F (CA)	NO STOPPING FIRE LANE	12 x 18	PSST - 2.5 x 2.5	WHITE	IX	RED	IX	1.50	1	
PD-1	1-5	R26F (CA)	NO STOPPING FIRE LANE	12 x 18		WHITE	IX	RED	IX	1.50		1
									TOTAL	7.50	4	1

REVISED BY | DATE REVISED
CHASE FIDLER | STEVE M LEE
CALCULATED-DESIGNED BY | CHECKED BY
FUNCTIONAL SUPERVISOR: STEVE M LEE
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
TRAFFIC DESIGN

SIGN QUANTITIES
SQ-1

LAST REVISION 03-06-24 | DATE PLOTTED => 24-APR-2025 | TIME PLOTTED => 13:28

BORDER LAST REVISED 7/2/2010
USERNAME => s156884
DGN FILE => 06180000065od001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1512
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		31	289

04-29-25
REGISTERED CIVIL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
AXEL CANTU
No. 95412
EXP. 12/31/25
CIVIL
STATE OF CALIFORNIA

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

FENCE QUANTITIES

SHEET No.	"Bldg CC" Sta OFFSET - Sta OFFSET	TEMPORARY FENCE (TYPE CL-6)	REMOVE FENCE	WROUGHT IRON GATE	(N) REMOVE FENCE (WROUGHT IRON)	CHAIN LINK FENCE (TYPE CL-6)
		LF	LF	EA	LF	LF
SC-1	0.20' Rt 10+13.15 TO 439.45' Lt 10+13.15	440.0				
	439.97' Lt 11+43.05 TO 439.45 Lt 10+13.15	129.9				
	439.97' Lt 11+43.05 TO 226.00' Lt 11+43.05	215.0				
	226.00' Lt 11+43.05 TO 226.00' Lt 11+31.65	11.4				
	226.00' Lt 11+31.65 TO 16.00' Rt 11+31.65	241.0				
	16.00' Rt 11+31.65 TO 16.00' Rt 10+85.35	46.3				
	16.00' Rt 10+85.35 TO 0.20' Rt 10+85.35	15.8				
	0.20' Rt 10+85.30 TO 0.20' Rt 10+13.15	72.2				
SC-2	226.00' Lt 11+43.05 TO 16.00' Rt 11+43.05	241.0				
	16.00' Rt 11+43.05 TO 16.00' Rt 11+31.65	11.4				
L-1	478.30' Lt 11+41.50 TO 370.50' Lt 11+40.20		107.8			
	370.50' Lt 11+40.20 TO 372.50' Lt 10+78.10		63.0			
L-1 & L-2	6.10' Lt 10+35.10 TO 67.80' Rt 10+34.27		73.9			
L-2, C-9, C-11	141.86' Lt 10+81.17 TO 141.85' Lt 10+07.17			1		
	141.90' Rt 10+80.32 TO 141.80' Rt 10+87.82				8.1	
L-1	478.30' Lt 11+41.50 TO 370.50' Lt 11+40.20					107.8
	370.50' Lt 11+40.20 TO 370.50' Lt 11+21.24					19.0
C-9	19.63' Lt 10+36.00 TO 0.0' Lt 10+31.81					19.6
	0.0' Lt 10+31.81 TO 60.50' Rt 10+31.81					60.3
	TOTAL	1,424.0	244.7	1		206.7

(N)- NOT A SEPERATE BID ITEM

PAVEMENT QUANTITIES SUMMARY

SHEET No.	ROADWAY EXCAVATION	(N) EMBANKMENT	HMA (TYPE A)	PLACE HMA (Misc AREA)	CLASS 2 AGGREGATE BASE	TACK COAT
	CY	CY	TON	SQYD	CY	TON
C-1, C-5, C-6	1310	360				
C-4, C-5, C-6			1142		772	0.2
C-4, C-7, C-8				90		
TOTAL	1310		1142	90	772	0.2

(N)- NOT A SEPERATE BID ITEM

MINOR CONCRETE QUANTITIES

SHEET No.	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)			REMOVE CONCRETE CURB AND SIDEWALK	REMOVE CONCRETE SIDEWALK	REMOVE CONCRETE CURB	DETECTABLE WARNING SURFACE	(N) BAR REINFORCING STEEL
	CURB RAMP	CURB (TYPE A1-6)	SIDEWALK					
	CY	CY	CY	SQYD	SQYD	CY	SQFT	LB
L-1, L-2				84.3				
L-2, C-7, C-8	0.47						13.7	
C-2, C-7		13.2						
C-7, C-8, C-9			15.5					
L-2					14.7			
C-10						9.3		37
SUBTOTAL	0.47	13.2	15.5	84.3	14.7	9.3	13.7	
TOTAL	29.2			84.3	14.7	9.3	13.7	

(N)- NOT A SEPERATE BID ITEM

TEMPORARY WATER POLLUTION CONTROL QUANTITIES

SHEET No.	TEMPORARY DRAINAGE INLET PROTECTION	TEMPORARY CONCRETE WASHOUT *
	EA	LS
L-1	2	
L-1, L-2		1
TOTAL	2	

* LUMP SUM, FOR INFORMATION ONLY

PRE/POST CONSTRUCTION SURVEY

SHEET No.	PRE/POST CONSTRUCTION SURVEY
	EA
C-7	6

CLEARING AND GRUBBING*

SHEET No.	REMOVE (N)			
	TREE	SHRUB	STUMP	DIAMETER AT BREAST HEIGHT
	EA			
L-1	7	1	1	24" - 58"
L-2		1		

(N) - NOT A SEPERATE BID ITEM.
* LUMP SUM, FOR INFORMATION ONLY

SUMMARY OF QUANTITIES

Q-1

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY: OLIVIA DAVIS
CHECKED BY: CHRISTOPHER STANNERT
FUNCTIONAL SUPERVISOR: JUSTIN KIMURA
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
DESIGN
Caltrans

LAST REVISION: DATE PLOTTED => 9-JUL-2025, 09-03-24 TIME PLOTTED => 10:23

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		32	289

R. Bradbury Cole

LICENSED LANDSCAPE ARCHITECT

May 27, 2025

PLANS APPROVAL DATE

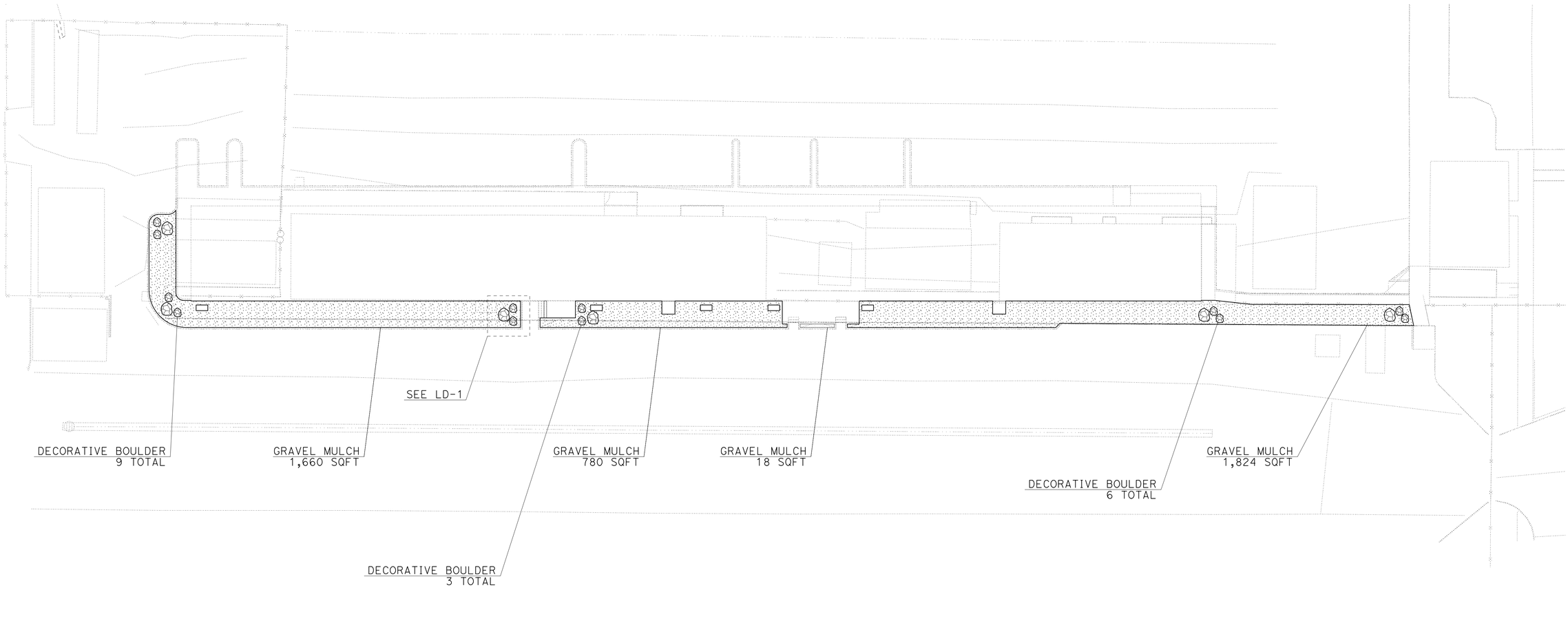
LICENSED LANDSCAPE ARCHITECT
R. BRADBURY COLE No. 4518
11/30/26 Renewal Date
5/27/25 Date
STATE OF CALIFORNIA

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.

LEGEND:

GRAVEL MULCH

DECORATIVE BOULDER 2'-3'



LANDSCAPE LAYOUT PLAN

SCALE: 1" = 20'

LL-1

REVISED BY | DATE REVISED

DANIEL ARMAS | BRAD COLE

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT | BRAD COLE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:45 | 03-24-25

BORDER LAST REVISED 9/8/2021

USERNAME => s119704
DGN FILE => 0618000065sj001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1501

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		33	289

R. Bradbury Cole

LICENSED LANDSCAPE ARCHITECT

May 27, 2025

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
R. BRADBURY COLE No. 4518
11/30/26 Renewal Date
5/27/25 Date
STATE OF CALIFORNIA

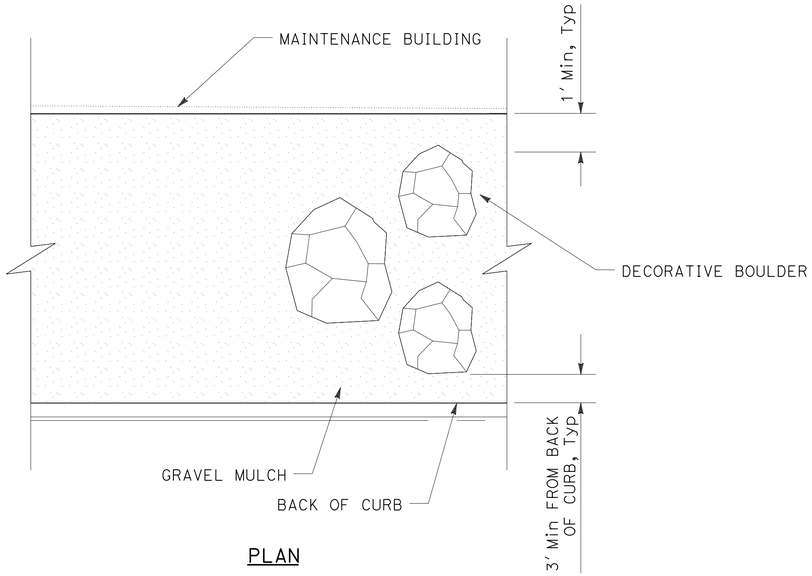
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

LEGEND:

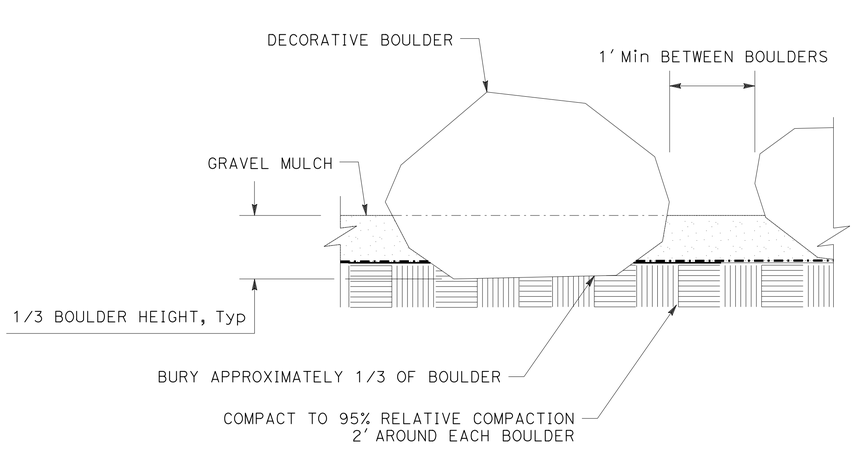
GRAVEL MULCH

SUBGRADE

DECORATIVE BOULDER 2'-3'

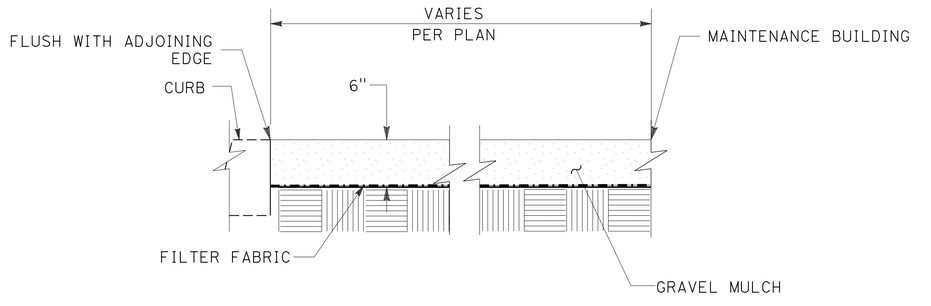


PLAN



SECTION

TYPICAL DECORATIVE BOULDER PLACEMENT



SECTION

GRAVEL MULCH

LANDSCAPE DETAILS

LD-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
LANDSCAPE ARCHITECTURE
SENIOR LANDSCAPE ARCHITECT: BRAD COLE
CALCULATED-DESIGNED BY: DANIEL ARMAS
CHECKED BY: BRAD COLE
REVISED BY
DATE REVISED

LAST REVISION 03-24-25
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:45

BORDER LAST REVISED 9/8/2021

USERNAME => s119704
DGN FILE => 0618000065sk001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1501

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		34	289

R. Bradbury Cole

LICENSED LANDSCAPE ARCHITECT

May 27, 2025

PLANS APPROVAL DATE

LICENSED LANDSCAPE ARCHITECT
R. BRADBURY COLE No. 4518
11/30/26
Renewal Date
5/27/25
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.

LANDSCAPE QUANTITIES

SHEET No.	GRAVEL MULCH	(N) FILTER FABRIC	DECORATIVE BOULDERS
			2'-3' Dia
	SQFT	SQFT	EA
LL-1	4,282	4,282	18

(N)-NOT A SEPERATE BID ITEM

LANDSCAPE QUANTITIES

LQ-1

REVISED BY | DATE REVISED

DANIEL ARMAS | BRAD COLE

CALCULATED-DESIGNED BY | CHECKED BY

SENIOR LANDSCAPE ARCHITECT: BRAD COLE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans® LANDSCAPE ARCHITECTURE

LAST REVISION | DATE PLOTTED => 19-JUN-2025
03-24-25 | TIME PLOTTED => 15:45

BORDER LAST REVISED 9/8/2021

USERNAME => s119704
DGN FILE => 0618000065sl001.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1501

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		35	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

May 27, 2025
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.

NOTES:

1. FOR ACCURATE RIGHT OF AT DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. CONDUITS MUST ENTER PB AT 45°. CONDUIT INTO FOUNDATION MUST BE A 90° ELBOW WITH 36" Min BEND RADIUS.
3. WORK MUST BE PERFORMED PRIOR TO DEMOLITION OF THE EXISTING STRUCTURES.
4. ALL PB MUST BE No. 6(T)(E), UNLESS OTHERWISE NOTED.

ABBREVIATION:

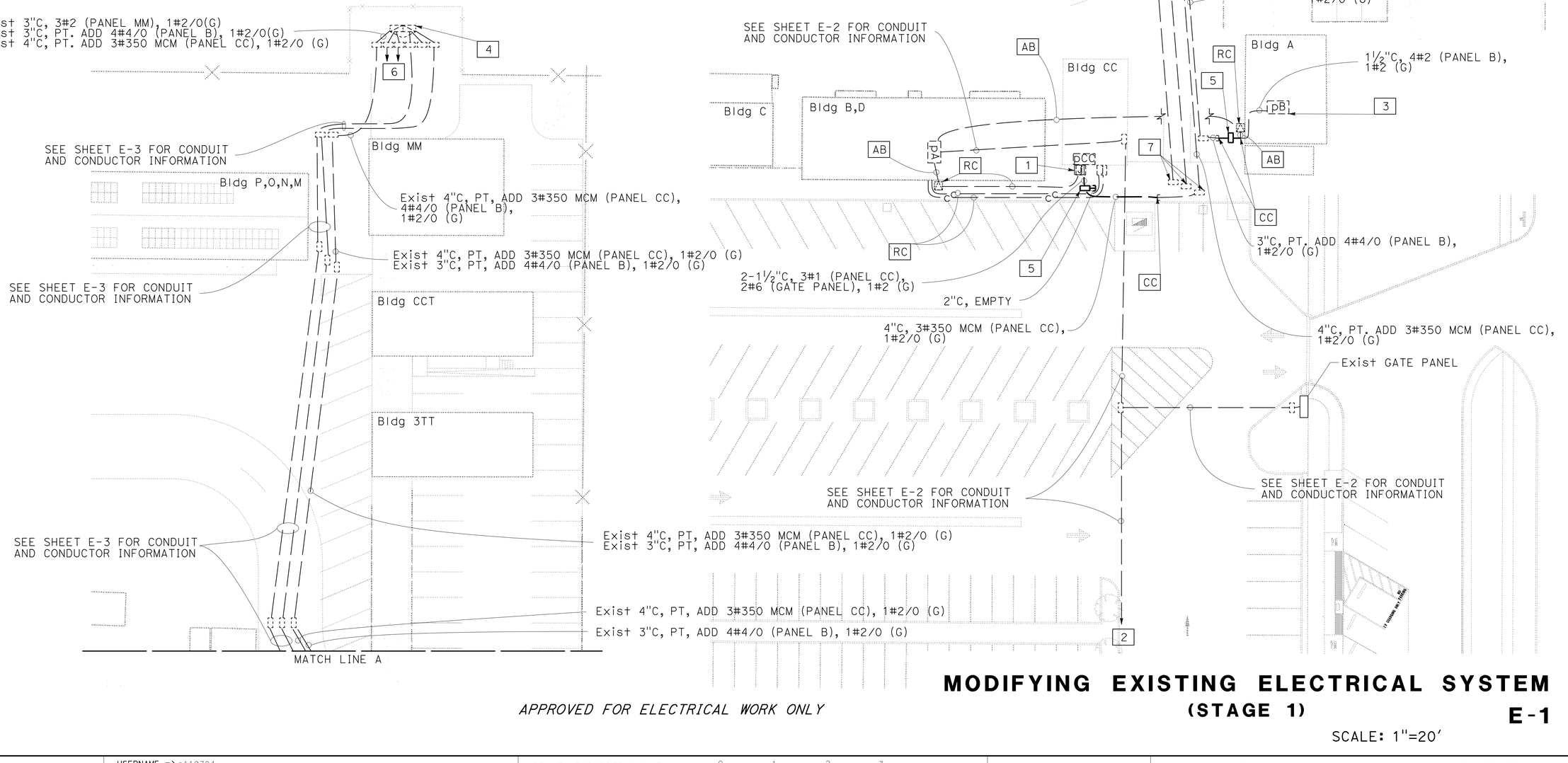
PV PHOTOVOLTAIC

SYMBOLS:

NEW	EXISTING	
[PX]	(PX)	SUB PANEL. X DENOTES PANEL NAME.
[J]	(J)	JUNCTION BOX.

LEGEND (THIS SHEET ONLY):

1. [RC] Exist JUNCTION BOX. FURNISH AND INSTALL NEMA 3R JUNCTION BOX. TERMINATE CONDUCTORS TO SUB PANEL MAIN BREAKER. ADD PHENOLIC NAMEPLATE AND 30A, 1P, CB FOR GATE PANEL TO PANEL CC. SEE DETAIL D AND DETAIL E ON SHEET ED-3 FOR ADDITIONAL DETAILS.
2. TO Exist SWITCHGEAR LOCATED IN DISTRICT OFFICE.
3. TERMINATE CONDUCTORS TO SUB PANEL.
4. Exist, 1000 A, 480/277 V, 3Ø, 4-WIRE SWITCHGEAR. SEE DETAIL C ON SHEET ED-2 FOR ADDITIONAL DETAILS.
5. SEE DETAIL F ON SHEET ED-4 FOR CONNECTION DETAILS.
6. TO Exist Ckt NOT SHOWN.
7. ADJUST PB TO GRADE.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING EXISTING ELECTRICAL SYSTEM (STAGE 1)

E-1

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN

	REVISED BY	DATE REVISED
DESIGNED BY	DANIEL ERVIN	
CALCULATED-	RYAD H. HAFEEZ	
CHECKED BY		
FUNCTIONAL SUPERVISOR	DERRAN REITZ	

LAST REVISION DATE PLOTTED => 19-JUN-2025
05-27-25 TIME PLOTTED => 15:45

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		36	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

May 27, 2025
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.

NOTE:

FOR ACCURATE RIGHT OF AT DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

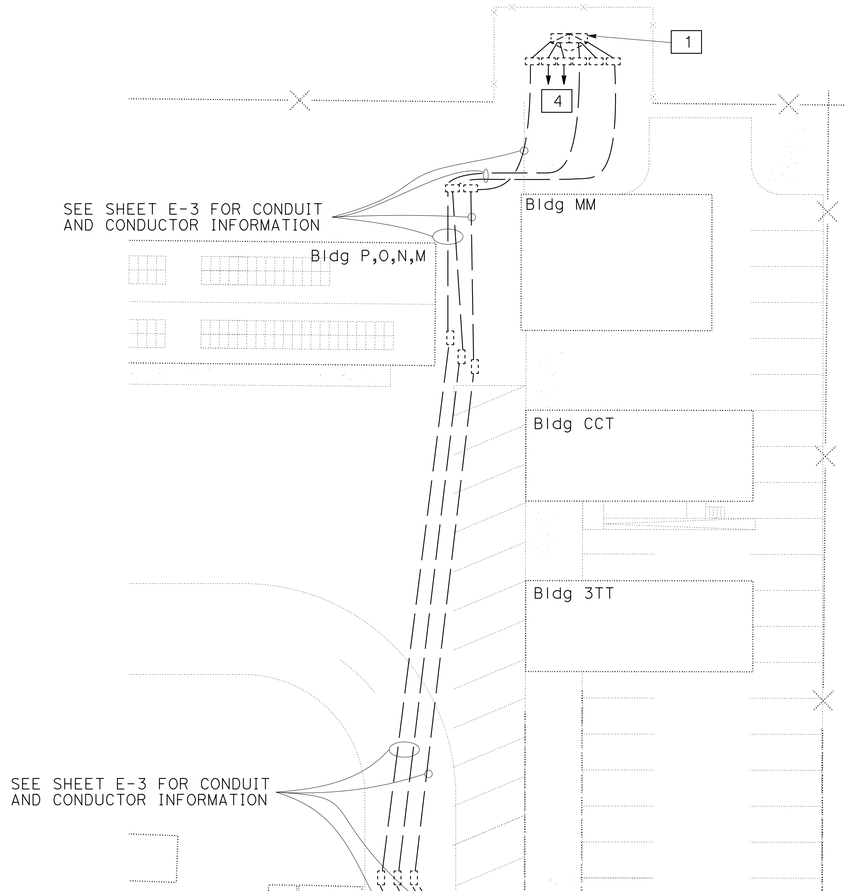
LEGEND (THIS SHEET ONLY):

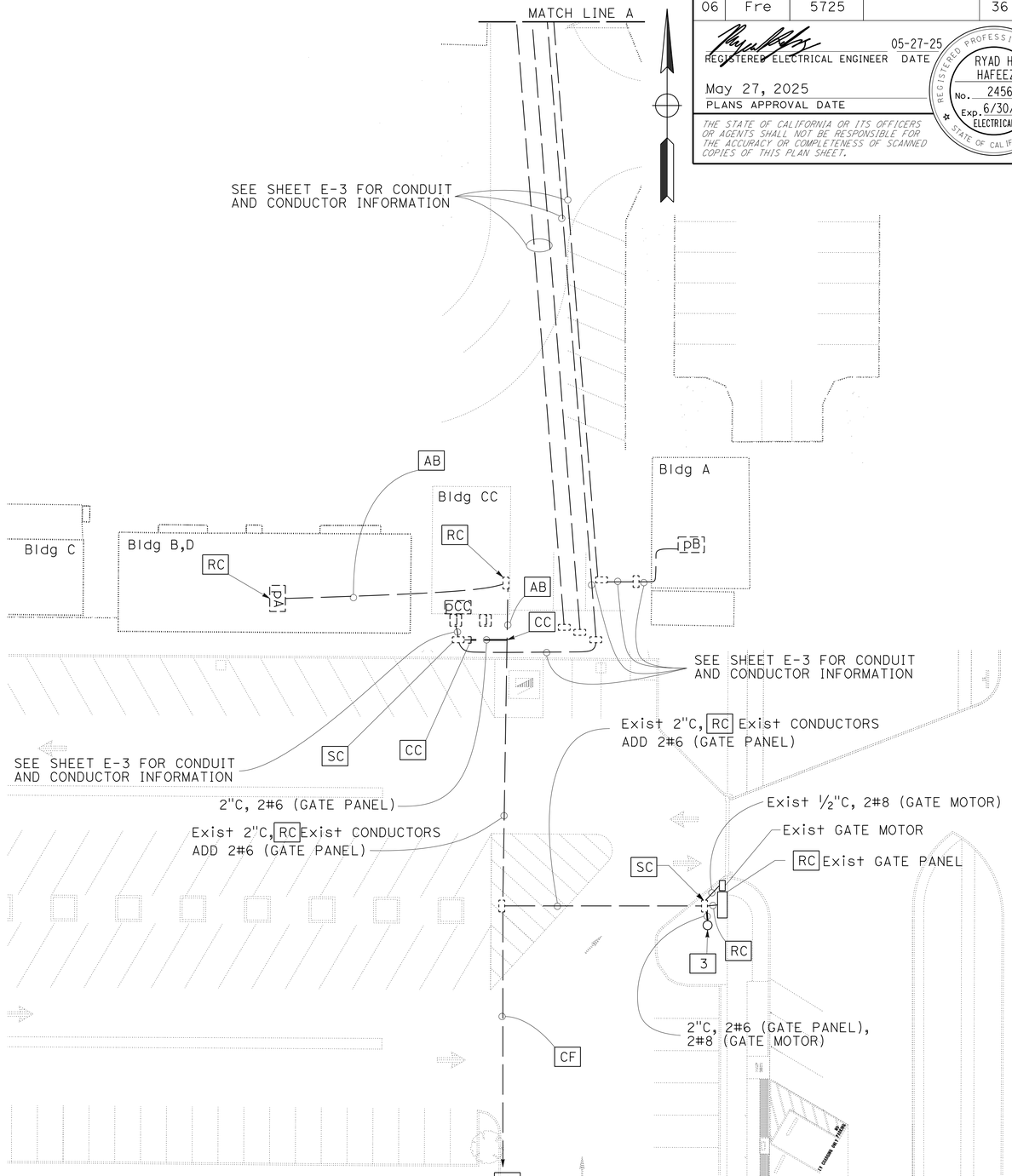
1 Exist, 1000 A, 480/277 V, 3ø, 4-WIRE SWITCHGEAR.
SEE DETAIL C ON SHEET ED-2 FOR ADDITIONAL DETAILS.

2 RC CONDUCTORS TO Exist SWTICH GEAR LOCATED IN DISTRICT OFFICE.

3 TYPE SC1A CONTROL MOUNTED ON WOOD POST.
SEE DETAIL G AND DETAIL H ON SHEET ED-4.

4 TO Exist Ckt NOT SHOWN.





APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING EXISTING ELECTRICAL SYSTEM (STAGE 2)

E-2

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: DERRAN REITZ
CALCULATED-DESIGNED BY: DANIEL ERVIN
CHECKED BY: RYAD H. HAFEEZ
REVISED BY
DATE REVISED

LAST REVISION: DATE PLOTTED => 19-JUN-2025
05-27-25 TIME PLOTTED => 15:45

BORDER LAST REVISED 8/5/2020
USERNAME => s119704
DGN FILE => 0618000065ua002.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1433
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		37	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

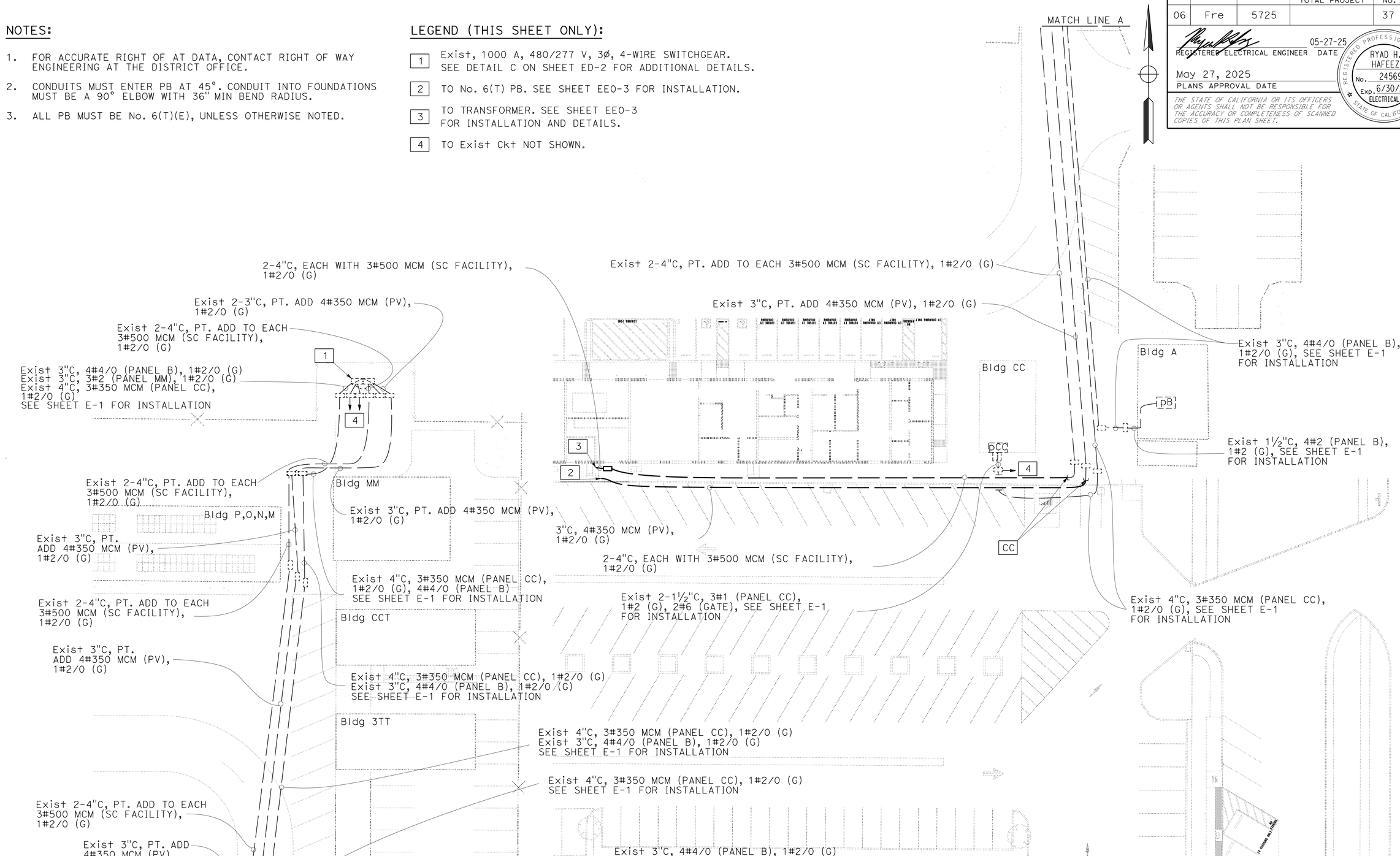
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

1. FOR ACCURATE RIGHT OF AT DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. CONDUITS MUST ENTER PB AT 45°. CONDUIT INTO FOUNDATIONS MUST BE A 90° ELBOW WITH 36" MIN BEND RADIUS.
3. ALL PB MUST BE No. 6(T)(E), UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET ONLY):

1. Exist, 1000 A, 480/277 V, 3Ø, 4-WIRE SWITCHGEAR. SEE DETAIL C ON SHEET ED-2 FOR ADDITIONAL DETAILS.
2. TO No. 6(T) PB. SEE SHEET EE0-3 FOR INSTALLATION.
3. TO TRANSFORMER. SEE SHEET EE0-3 FOR INSTALLATION AND DETAILS.
4. TO Exist Ckt NOT SHOWN.



APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING EXISTING ELECTRICAL SYSTEM

E-3

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: DERRAN REITZ
CALCULATED-DESIGNED BY: RYAD H. HAFEEZ
CHECKED BY: DANIEL ERVIN
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 19-JUN-2025
05-27-25 | TIME PLOTTED => 15:45

BORDER LAST REVISED 8/5/2020
USERNAME => s119704
DGN FILE => 0618000065ua003.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1433
PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		38	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

RYAD H. HAFEEZ No. 24569 Exp. 6/30/27 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — 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.

NOTES:

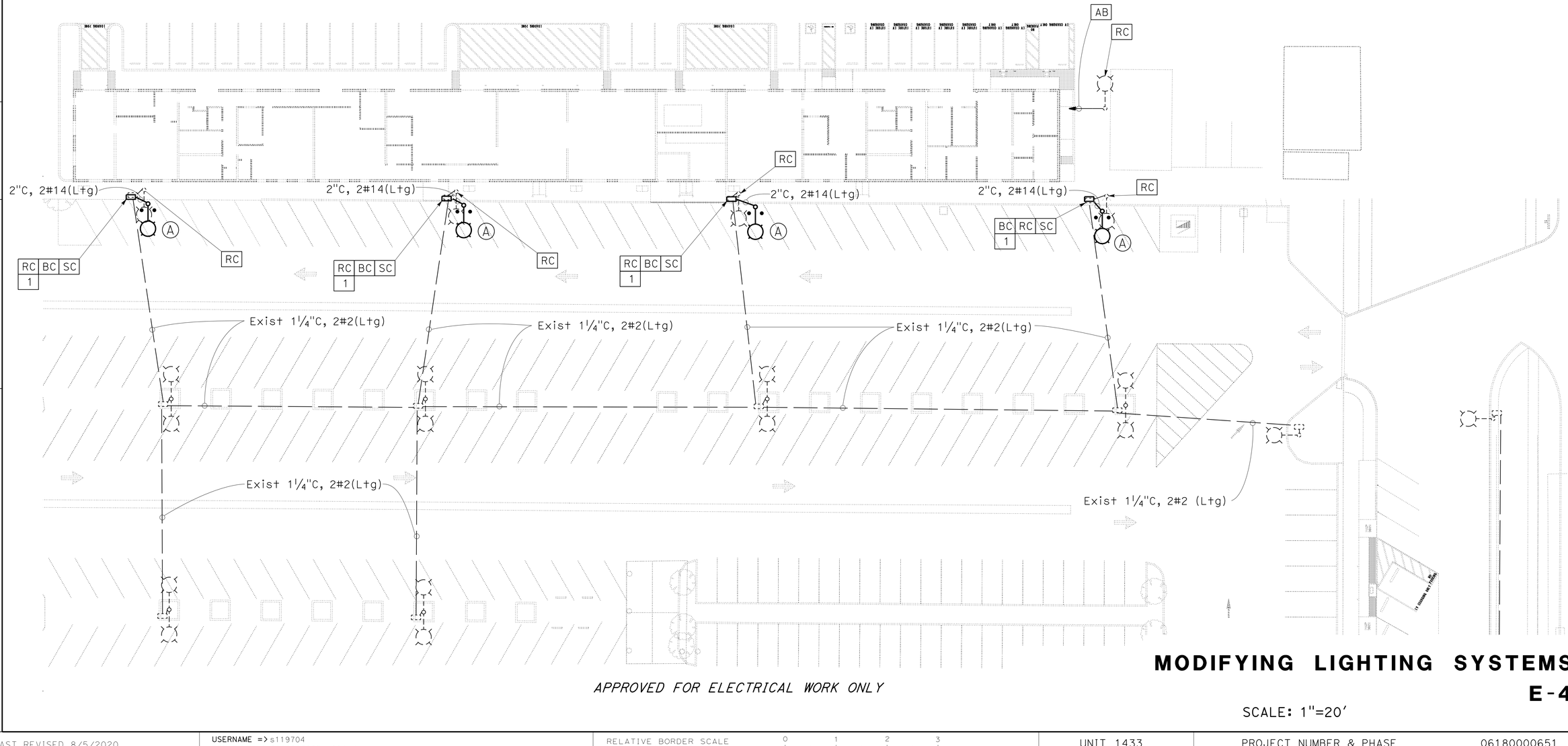
1. FOR ACCURATE RIGHT OF AT DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL PB MUST BE No. 5(T)(E) UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET ONLY):

[1] INSTALL FUSED SPLICE CONNECTOR.

POLE AND EQUIPMENT SCHEDULE

STANDARD			LUMINAIRE	SPECIAL REQUIREMENTS
⊗	TYPE	LMA		
A	TYPE 15	6′	INTERSECTION-MEDIUM-B	-



APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING LIGHTING SYSTEMS

E-4

SCALE: 1"=20′

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: DERRAN REITZ
CALCULATED-DESIGNED BY: DANIEL ERVIN
CHECKED BY: RYAD H. HAFEEZ
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:46
05-27-25

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		39	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

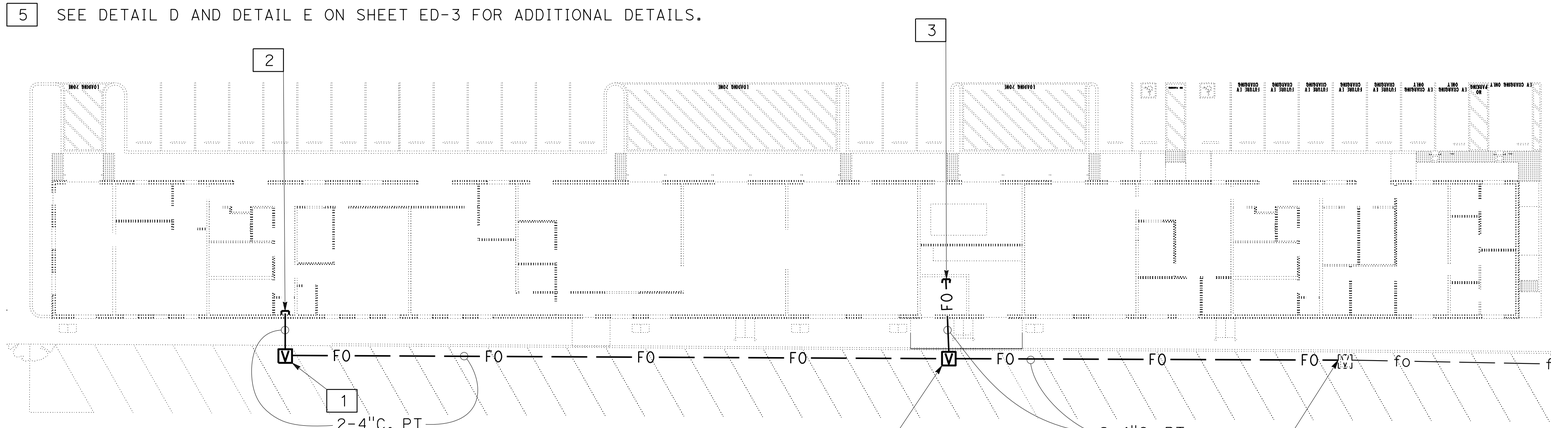
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

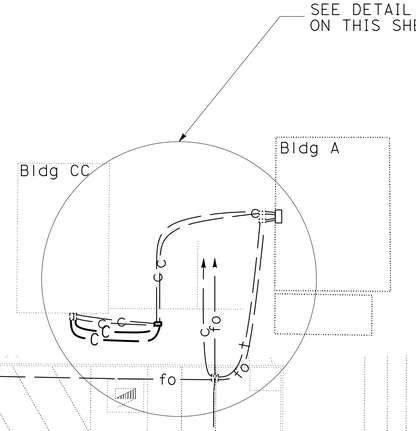
NOTES:

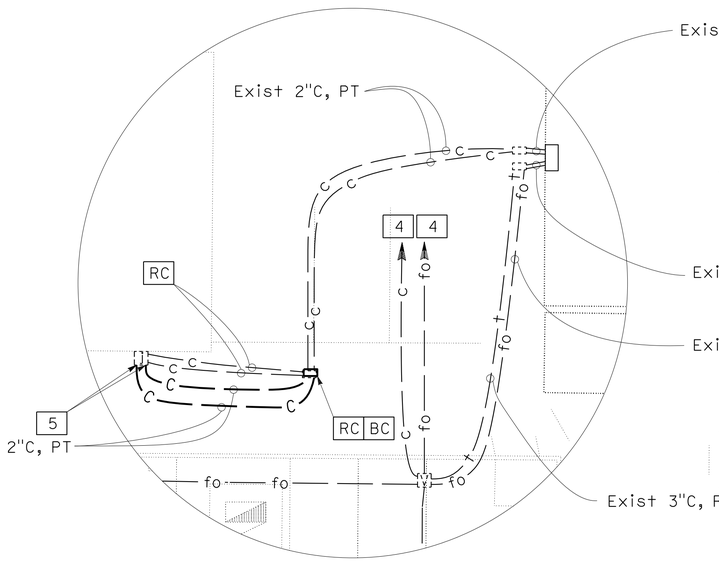
1. FOR ACCURATE RIGHT OF AT DATA, CONTACT RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.
2. ALL PULL BOXES MUST BE No. 6(T)(E), UNLESS OTHERWISE NOTED.

LEGEND (THIS SHEET ONLY):

1. FIBER OPTIC VAULT WITH CABLE RACK.
2. SEE DETAIL A ON SHEET ED-1 FOR ADDITIONAL DETAILS.
3. SEE DETAIL B ON SHEET ED-1 FOR ADDITIONAL DETAILS.
4. TO Exist Ckt NOT SHOWN.
5. SEE DETAIL D AND DETAIL E ON SHEET ED-3 FOR ADDITIONAL DETAILS.
6. INSTALL NEW CONDUITS INTO Exist VAULT.







DETAIL A
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

MODIFYING FIBER OPTIC CABLE SYSTEMS E-5

SCALE: 1"=20'

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
Caltrans

CALCULATED-DESIGNED BY	CHECKED BY	FUNCTIONAL SUPERVISOR	REVISED BY	DATE REVISED
DANIEL ERVIN	RYAD H. HAFEEZ	DERRAN REITZ		

LAST REVISION
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:46
05-27-25

BORDER LAST REVISED 8/5/2020

USERNAME => s119704
DGN FILE => 0618000065ua005.dgn

RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3

UNIT 1433

PROJECT NUMBER & PHASE 06180000651

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		40	289

REGISTERED ELECTRICAL ENGINEER — 05-27-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

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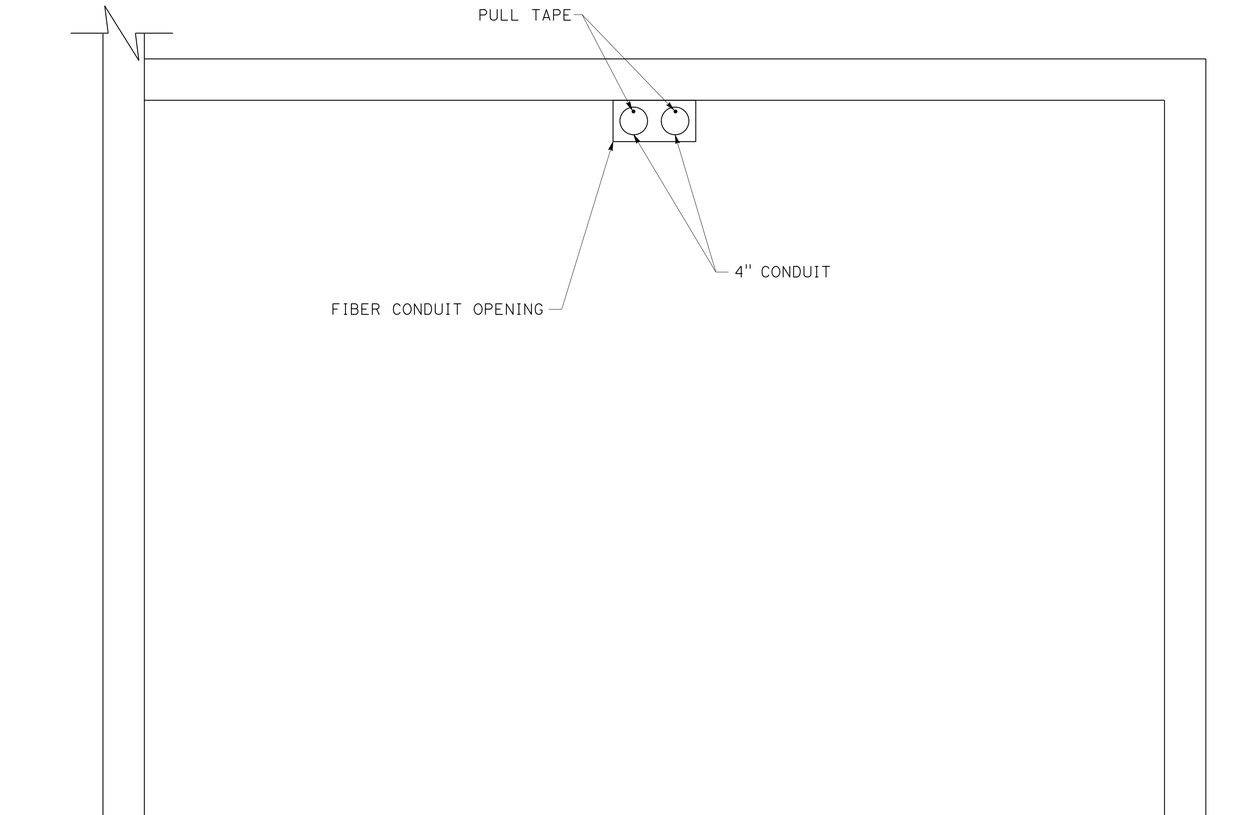
ABBREVIATIONS:

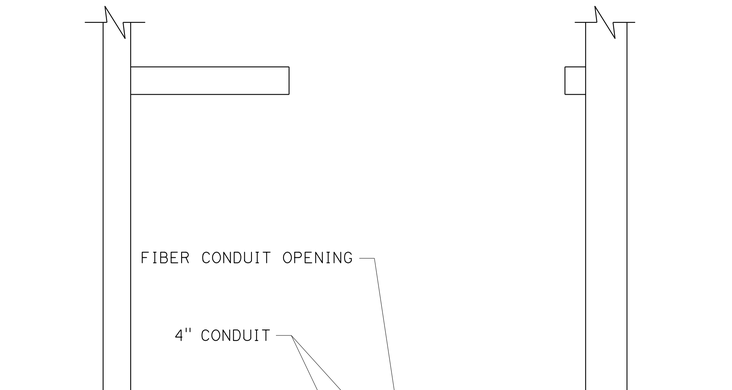
Cu	COPPER
SCCR	SHORT CIRCUIT CURRENT RATING
SPD	SURGE PROTECTION DEVICE
ATS	AUTOMATIC TRANSFER SWITCH
PV	PHOTOVOLTAIC

SYMBOLS:

KWH	UTILITY METER
	TRANSFORMER
	DISCONNECT SWITCH
	CURRENT TRANSFORMER
Δ	3Ø DELTA CONNECTED
Y	3Ø WYE CONNECTED



FIBER CONDUIT ENTRANCE TO ROOM 123
DETAIL B



FIBER CONDUIT ENTRANCE TO ROOM 109
DETAIL A

ELECTRICAL SYSTEMS DETAILS
ED-1

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

FUNCTIONAL SUPERVISOR: DERRAN REITZ

CALCULATED-DESIGNED BY:
CHECKED BY:
DANIEL ERVIN
RYAD H. HAFEEZ

REVISED BY | DATE REVISED

LAST REVISION: DATE PLOTTED => 19-JUN-2025; TIME PLOTTED => 15:46
05-27-25

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		41	289

REGISTERED ELECTRICAL ENGINEER — 05-27-25 DATE

May 27, 2025
PLANS APPROVAL DATE

RYAD H. HAFEEZ No. 24569 Exp. 6/30/27 ELECTRICAL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

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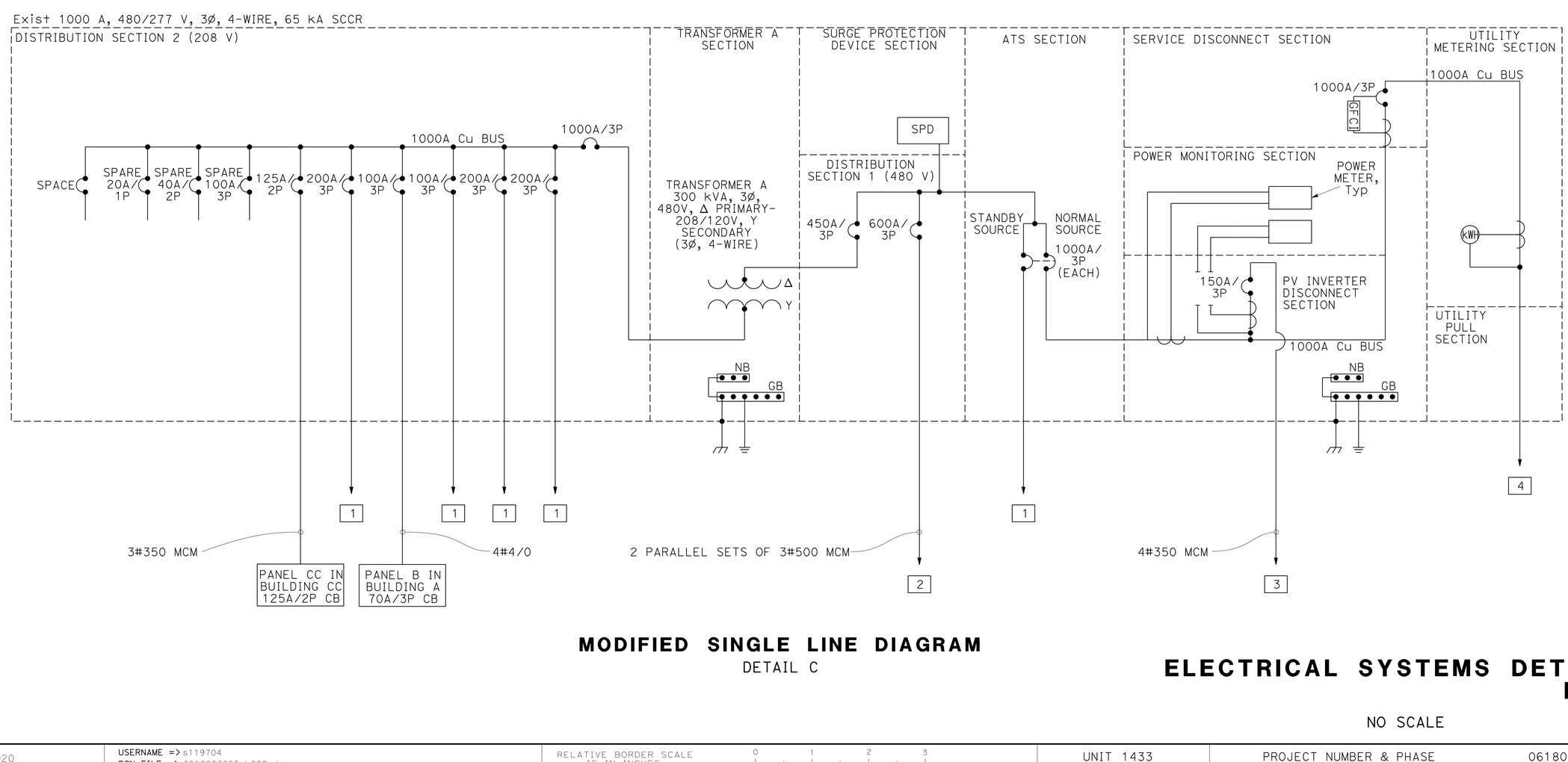
LEGEND (THIS SHEET ONLY):

1 TO Exist Ckt NOT SHOWN.

2 TO 350 kVA TRANSFORMER. SEE SHEET EE0-10.

3 TO PV DISCONNECT SWITCH. SEE SHEETS EE0-3 AND EE1-72.

4 TO Exist SERVICE POINT.



MODIFIED SINGLE LINE DIAGRAM
DETAIL C

ELECTRICAL SYSTEMS DETAILS ED-2

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: DERRAN REITZ
CALCULATED-DESIGNED BY: DANIEL ERVIN
CHECKED BY: RYAD H. HAFEEZ
REVISED BY | DATE REVISED

LAST REVISION | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:46
05-27-25

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		42	289

REGISTERED ELECTRICAL ENGINEER — 05-27-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

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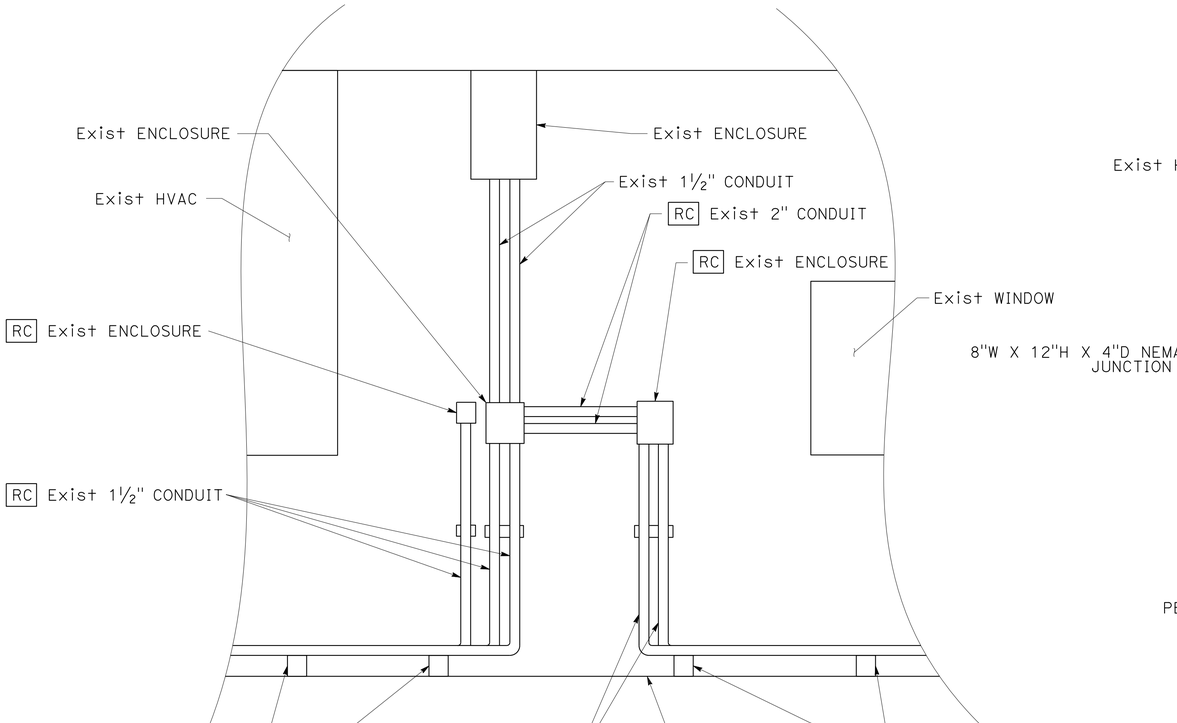
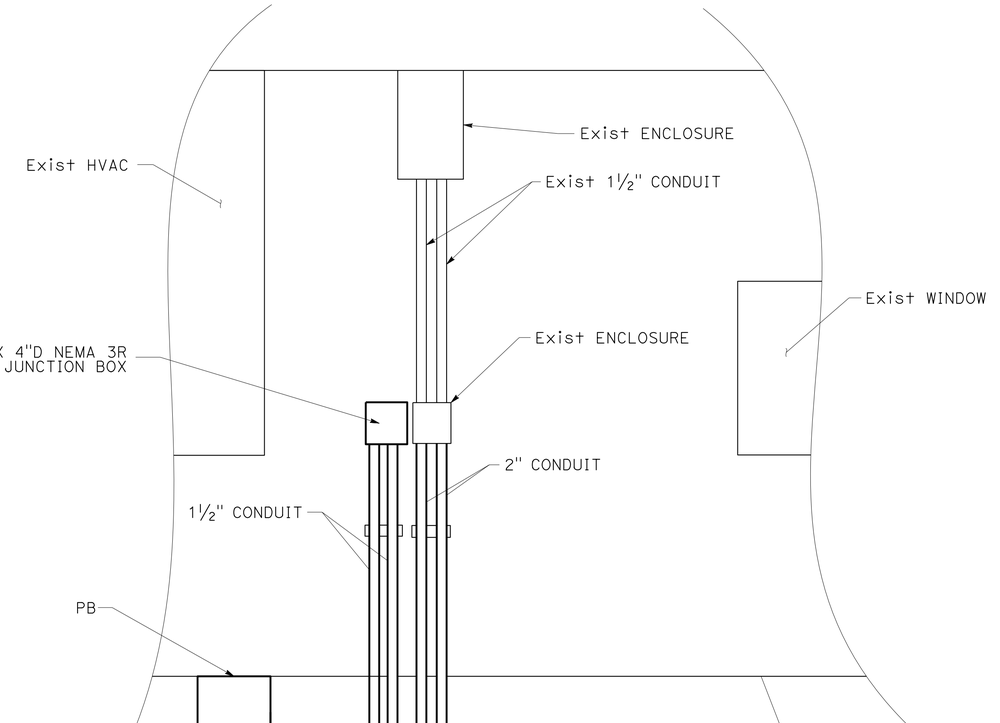
NOTE:

FOR CONDUCTOR AND CABLE INFORMATION SEE ELECTRICAL PLAN SHEETS.



BUILDING CC CONDUIT AND JUNCTION BOX REMOVAL

DETAIL D



BUILDING CC CONDUIT AND JUNCTION BOX INSTALLATION

DETAIL E

ELECTRICAL SYSTEMS DETAILS ED-3

NO SCALE

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN
FUNCTIONAL SUPERVISOR: DERRAN REITZ
CALCULATED-DESIGNED BY: DANIEL ERVIN
CHECKED BY: RYAD H. HAFEEZ
REVISED BY
DATE REVISED

LAST REVISION | DATE PLOTTED => 19-JUN-2025 | TIME PLOTTED => 15:46 | 05-27-25

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		43	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
STATE OF CALIFORNIA

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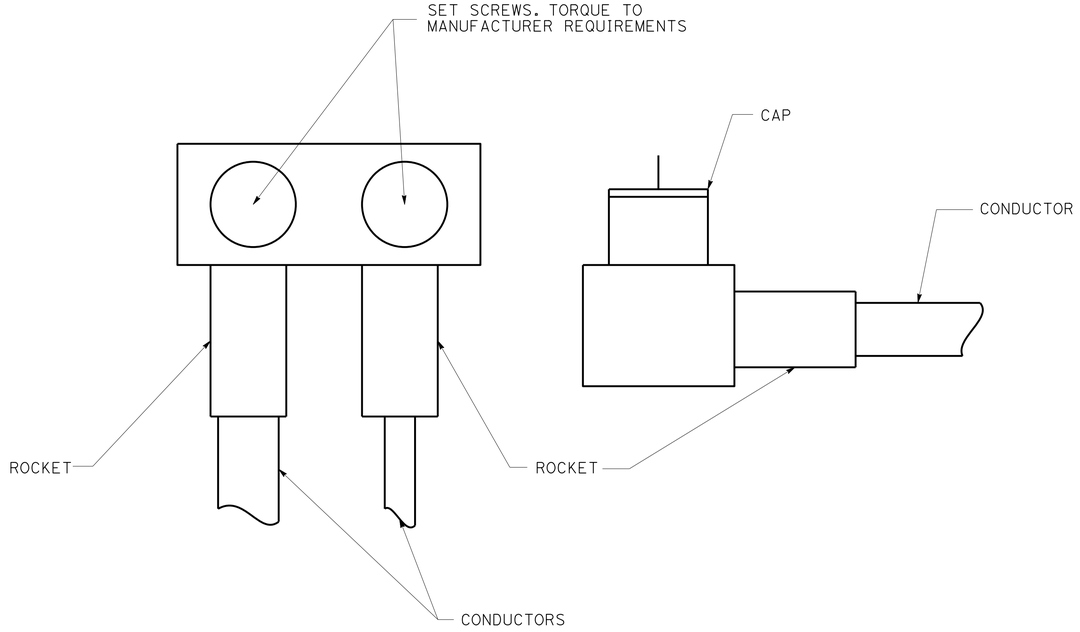
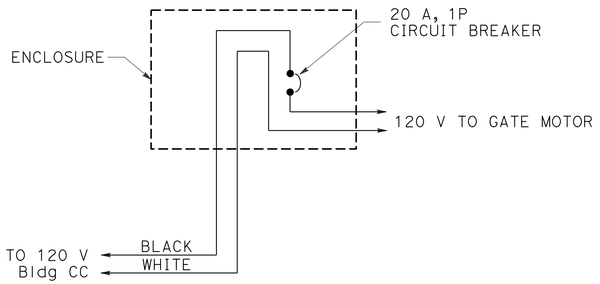
NOTE:

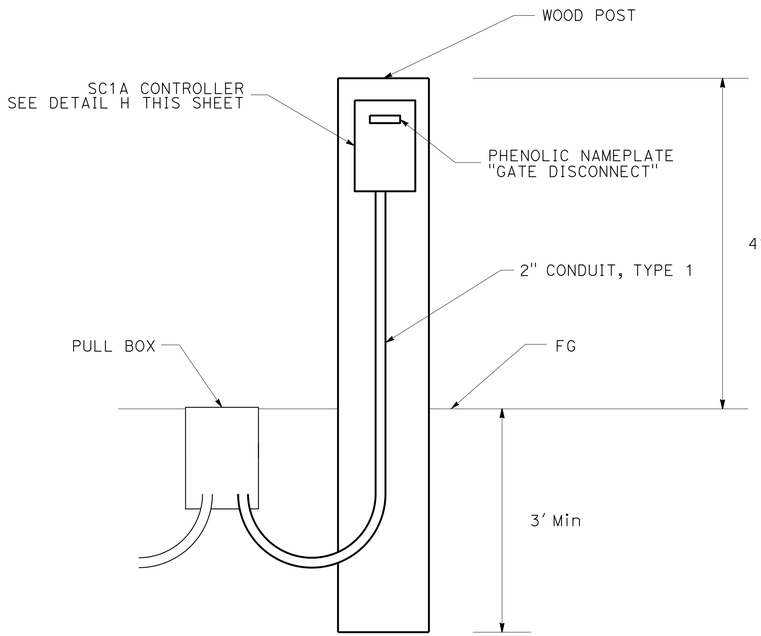
FOR CONDUCTOR AND CABLE INFORMATION SEE ELECTRICAL PLAN SHEETS.



MULTI-TAP CONNECTOR
DETAIL F



SC1A WIRING DIAGRAM
DETAIL H



SC1A CONTROL ON WOOD POLE
DETAIL G

ELECTRICAL SYSTEMS DETAILS ED-4

NO SCALE

CALCULATED-DESIGNED BY
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REVISED BY
DATE REVISED
DANIEL ERVIN
RYAD H. HAFEEZ
FUNCTIONAL SUPERVISOR
DERRAN REITZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans®
ELECTRICAL DESIGN

LAST REVISION 05-27-25
DATE PLOTTED => 19-JUN-2025
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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		44	289

05-27-25
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

RYAD H. HAFEEZ
No. 24569
Exp. 6/30/27
ELECTRICAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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NOTE:

ELECTRICAL SYSTEMS QUANTITY TABLES SUMMARIZE SIGNIFICANT COMPONENTS.
SEE ELECTRICAL SYSTEMS PLANS AND SPECIFICATIONS TO DETERMINE ALL MATERIALS NEEDED FOR EACH SYSTEM.

MODIFYING EXISTING ELECTRICAL SYSTEM

SHEET No.	(N) No. 6(T)(E) PB	(N) JUNCTION BOX	(N) 30A, 1P, CB	(N) WOOD POLE	(N) TYPE SC1A CONTROL	(N) 500 MCM CONDUCTOR	(N) 350 MCM CONDUCTOR	(N) No. 4/0 CONDUCTOR	(N) No. 2/0 CONDUCTOR (G)	(N) No. 1 CONDUCTOR	(N) No. 2 CONDUCTOR	(N) No. 2 CONDUCTOR (G)	(N) No. 6 CONDUCTOR	(N) No. 8 CONDUCTOR	(N) No. 8 CONDUCTOR (G)	(N) 4"C, TYPE 1	(N) 4"C, TYPE 3	(N) 3"C, TYPE 3	(N) 2"C, TYPE 1	(N) 1½"C, TYPE 1
	EA					LF														
E-1	2	1	1				970	1355	1100	45	140	50	30			40			5	40
E-2				1	1								360	30	180				10	
E-3	1					4085	2805		2060							10	400	220		

(N) - NOT A SEPARATE BID ITEM

MODIFYING LIGHTING SYSTEMS

SHEET No.	(N) No. 5(T)(E) PB	(N) TYPE 15 STANDARD WITH Ltg EQUIPMENT AND Fdn	(N) FUSED SPLICE CONNECTOR	(N) GUARD POST	(N) 2"C, TYPE 1	(N) No. 14 CONDUCTOR
	EA				LF	
E-4	4	4	4	8	40	400

(N) - NOT A SEPARATE BID ITEM

MODIFYING FIBER OPTIC CABLE SYSTEMS

SHEET No.	(N) FIBER OPTIC VAULT	(N) No. 6(T)(E) PB	(N) 4"C, TYPE 1	(N) 4"C, TYPE 3	(N) 2"C, TYPE 1	(N) PULL TAPE	(N) WARNING TAPE
	EA		LF				
E-5	2	1	100	566	60	443	383

(N) - NOT A SEPARATE BID ITEM

ELECTRICAL SYSTEMS QUANTITIES
EQ-1

CALCULATED-DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED
DANIEL ERVIN
RYAD H. HAFEEZ
FUNCTIONAL SUPERVISOR
DERRAN REITZ
STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
ELECTRICAL DESIGN

LAST REVISION 05-27-25
DATE PLOTTED => 19-JUN-2025
TIME PLOTTED => 15:46

BORDER LAST REVISED 8/5/2020
USERNAME => s119704
DGN FILE => 0618000065uc001.dgn
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 1433
PROJECT NUMBER & PHASE 06180000651

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A

AB	AGGREGATE BASE
ABBC	ASBESTOS BONDED BITUMINOUS COATED
ABM	AIR-BLOWN MORTAR
Abn	ABANDON
ABS	ACRYLONITRILE-BUTADIENE-STYRENE
Abut	ABUTMENT
AC	ASPHALT CONCRETE
AC+	UNGROUNDED CONDUCTOR
ACB	ASPHALT CONCRETE BASE
ACC	ARMOR-CLAD CONDUCTORS
ACP	ASBESTOS CEMENT PIPE
Adj	ADJUST, ADJUSTABLE, ADJACENT
ADL	ADDED DEAD LOAD
ADT	AVERAGE DAILY TRAFFIC
AFES	ALTERNATIVE FLARED END SECTION
AGT	APPROACH GUARDRAIL TRANSITION
Ahd	AHEAD
AIC	AUXILIARY IRRIGATION CONTROLLER
Alt	ALTERNATE, ALTERNATIVE
AM	TIME FROM MIDNIGHT TO NOON
Amend	AMENDMENT
AP	ALTERNATIVE PIPE
APC	ALTERNATIVE PIPE CULVERT
Approx	APPROXIMATE
APS	ACCESSIBLE PEDESTRIAN SIGNAL
APU	ALTERNATIVE PIPE UNDERDRAIN
ARS	ACCELERATION RESPONSE SPECTRUM
ARV	AIR RELEASE VALVE
AS	AGGREGATE SUBBASE
ASP	ALTERNATIVE SLOTTED PIPE
ASRP	ALUMINUM SPIRAL RIB PIPE
Assy	ASSEMBLY
ATPB	ASPHALT TREATED PERMEABLE BASE
ATPM	ASPHALT TREATED PERMEABLE MATERIAL
Auto	AUTOMATIC
Aux	AUXILIARY
AVB	ATMOSPHERIC VACUUM BREAKER
Ave	AVENUE
Avg	AVERAGE

B

B & B	BALLED AND BURLAPPED
BAGR	BRIDGE APPROACH GUARD RAILING
Batt	BATTERY
BB	BEGINNING OF BRIDGE
B/B	BRASS/BRONZE
B/B/Pl	BRASS/BRONZE/PLASTIC
B-B	BACK-TO-BACK
BBS	BATTERY BACKUP SYSTEM
BC	BEGIN HORIZONTAL CURVE, BOLT CIRCLE
BCR	BEGIN CURB RETURN
Beg	BEGIN
BFM	BONDED FIBER MATRIX
Bit Ctd	BITUMINOUS COATED
Bk	BACK
Bkf	BACKFILL
Bldg	BUILDING
Blk	BLACK
BLM	BRIDGE-LOG MILE
Blvd	BOULEVARD
BM	BENCH MARK
BMP	BEST MANAGEMENT PRACTICE
Bot	BOTTOM
BP	BOOSTER PUMP, BYPASS
BPA	BACKFLOW PREVENTER ASSEMBLY
BPB	BICYCLE PUSH BUTTON
BPE	BACKFLOW PREVENTER ENCLOSURE
B/Pl	BRASS/PLASTIC
Br	BRIDGE
Brg	BEARING
BTU	BRITISH THERMAL UNIT
BV	BALL VALVE
BVC	BEGIN VERTICAL CURVE
BW	BARBED WIRE

C

C	CONDUIT, CHANNEL (STRUCTURAL STEEL SHAPE)
CAA	CABLE ANCHOR ASSEMBLY
CAP	CORRUGATED ALUMINUM PIPE
CAPA	CORRUGATED ALUMINUM PIPE ARCH
CARV	COMBINATION AIR RELEASE VALVE
CAS	CONSTRUCTION AREA SIGN
CB	CONCRETE BARRIER, CIRCUIT BREAKER, COUPLING BAND, COMPOST BERM
CBW	CONCRETE BLOCK WALL
C-C	CENTER TO CENTER
CCA	CAM COUPLER ASSEMBLY
CCTV	CLOSED CIRCUIT TELEVISION
CEC	CONTROLLER ENCLOSURE CABINET
CG	CENTER OF GRAVITY
CHDPE	CORRUGATED HIGH DENSITY POLYETHYLENE
Chnl	CHANNEL
CI	CAST IRON
CIDH	CAST-IN-DRILLED-HOLE
CIP	CAST-IN-PLACE, CAST IRON PIPE
CIPCP	CAST IN PLACE CONCRETE PIPE
CISS	CAST-IN-STEEL-SHELL
CJP	COMPLETE JOINT PENETRATION
Ckt	CIRCUIT
CL	CHAIN LINK
CL-6	CHAIN LINK FENCE (6 FT)
Cl	CLASS
Clr	CLEAR, CLEARANCE
CM	CENTER MARGIN LIGHT
CMP	CORRUGATED METAL PIPE
CMS	CHANGEABLE MESSAGE SIGN
CNC	CONTROL AND NEUTRAL CONDUCTORS
Cntl	CONTROL
Co	COUNTY
Col	COLUMN
Comm	COMMUNICATION
Conc	CONCRETE
Conn	CONNECTOR
Const	CONSTRUCT, CONSTRUCTION
Cont	CONTINUOUS
Coord	COORDINATE
CP	CANDLEPOWER, CATCH POINT, COPPER PIPE
Cr	CREEK
CRCP	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT
CRSP	CONCRETED ROCK SLOPE PROTECTION
CS	COMPOST SOCK
CSC	CONDUCTOR SIGNAL CABLE
CSP	CORRUGATED STEEL PIPE
CSPA	CORRUGATED STEEL PIPE ARCH
CST	CENTER STRIP
Ct	COURT
CTB	CEMENT TREATED BASE
CTID	CALTRANS IDENTIFICATION
CTPB	CEMENT TREATED PERMEABLE BASE
CTPM	CEMENT TREATED PERMEABLE MATERIAL
Ctrs	CENTERS
Culv	CULVERT
CV	CHECK VALVE

D

D	DEPTH, DIRECTION (IN PERCENT) OF HEAVIER TRAFFIC FLOW
Dbl	DOUBLE
DD	DOWNDRAIN
Deg	DEGREE
Del	DELINEATOR
Det	DETAIL, DETOUR
DF	DOUGLAS FIR
DG	DECOMPOSED GRANITE
DHV	DESIGN HOURLY VOLUME
DI	DRAINAGE INLET, DROP INLET
Dia	DIAMETER
Diaph	DIAPHRAGM
DIP	DUCTILE IRON PIPE
Dist	DISTANCE, DISTRICT
DIT	DRIP IRRIGATION TUBING
DLC	LOOP DETECTOR LEAD-IN CABLE
DMBB	DOUBLE METAL BEAM BARRIER
DN	DIAMETER NOMINAL
Dr	DRIVE
DTBB	DOUBLE THRIE BEAM BARRIER
DVA	DRIP VALVE ASSEMBLY
Dwy	DRIVEWAY

E

E	EAST
Ease	EASEMENT
EB	END OF BRIDGE, EASTBOUND
EC	END HORIZONTAL CURVE, EROSION CONTROL
ECR	END CURB RETURN
ECTC	EROSION CONTROL TECHNOLOGY COUNCIL
ED	EDGE DRAIN
EDC	EDGE DRAIN CLEANOUT
EDO	EDGE DRAIN OUTLET
EDV	EDGE DRAIN VENT
Elec	ELECTROLIER
Elect	ELECTRIC, ELECTRICAL
Elev	ELEVATION
Ell	ELBOW
Emb	EMBANKMENT
EMS	EXTINGUISHABLE MESSAGE SIGN
Encl	ENCLOSURE
Engr	ENGINEER
EOD	EDGE OF DECK
EP	EDGE OF PAVEMENT
Eq	EQUATION
ERS	EARTH RETAINING STRUCTURE
ES	EDGE OF SHOULDER
ESA	ENVIRONMENTALLY SENSITIVE AREA
ESAL	EQUIVALENT SINGLE AXLE LOADS
EST	END STRIP
Estb	ESTABLISHMENT
ETW	EDGE OF TRAVELED WAY
EVC	END VERTICAL CURVE
EVUC	EMERGENCY VEHICLE UNIT CABLE
EVUD	EMERGENCY VEHICLE UNIT DETECTOR
EW	ENDWALL
Exc	EXCAVATION
Exist	EXISTING
Exp	EXPANSION
Exp Jt	EXPANSION JOINT
Ext	EXTERIOR
Exwy	EXPRESSWAY

F

F	FILL, FULL CIRCLE
F & C	FRAME AND COVER
F & G	FRAME AND GRATE
FB	FLOOR BEAM, FLASHING BEACON
FBE	FLASHING BEACON ENCLOSURE
FBS	FLASHING BEACON WITH SLIP BASE
FCV	FLOW CONTROL VALVE
Fdn	FOUNDATION
FEBT	FACING EASTBOUND TRAFFIC
Fert	FERTILIZER
FES	FLARED END SECTION
FF	FILTER FABRIC
FG	FINISH GRADE
FH	FIRE HYDRANT, FLEXIBLE HOSE
Fig	FIGURE
FIPT	FEMALE IRON PIPE THREAD
FIS	FERTILIZER INJECTOR SYSTEM
FL	FLOW LINE
FNBT	FACING NORTHBOUND TRAFFIC
FO	FIBER OPTIC
FOB	FREE ON BOARD
FOC	FACE OF CONCRETE
F/P	FULL/PART CIRCLE
FR	FIBER ROLL
Fr Rd	FRONTAGE ROAD
FS	FAR SIDE, FINISHED SURFACE, FLOW SENSOR
FSBT	FACING SOUTHBOUND TRAFFIC
FSC	FLOW SENSOR CABLE
Ftg	FOOTING
FV	FLUSH VALVE
FWBT	FACING WESTBOUND TRAFFIC
Fwy	FREEWAY

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		45	289

Davinder Minhas
REGISTERED CIVIL ENGINEER

April 21, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Davinder Minhas
No. C70022
Exp. 9-30-26
CIVIL
STATE OF CALIFORNIA

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TO ACCOMPANY PLANS DATED May 27, 2025

GENERAL RULES:

1. Words are preferred over abbreviations and acronyms.
2. Use words in notes, except where space is limited on the plan sheet.
3. Do not use abbreviations or acronyms where the meaning may be in doubt.
4. Abbreviations and acronyms may be used in callouts, dimensions, and tables.
5. Use upper and lower case letters for abbreviation of a single word.
   e.g., Misc = miscellaneous
   and Bit Ctd = bituminous coated
6. Use all upper case letters for acronyms.
   e.g., BCR = begin curb return

UNITS OF MEASUREMENT:

1. See Tables A, B and C on Standard Plan A3C.
2. Units of measurement are not part of abbreviations and acronyms. The above abbreviation and acronym general rules do not apply.

SYMBOLS:

1. See Table D on Standard Plan A3C.

SLOPES, FLARES, AND TAPERS:

1. Side slopes:
   X:Y - horizontal:vertical
2. Flares and tapers:
   X:Y - longitudinal:lateral

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ABBREVIATIONS (SHEET 1 OF 3)

RSP A3A DATED APRIL 21, 2025 SUPERSEDES STANDARD PLAN A3A
DATED SEPTEMBER 20, 2024 - PAGE 1 OF THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP A3A

2024 REVISED STANDARD PLAN RSP A3A

10-9-24

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		46	289

REGISTERED CIVIL ENGINEER

Mohan V. Bonala
No. C63046
Exp. 6-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 21, 2024
PLANS APPROVAL DATE

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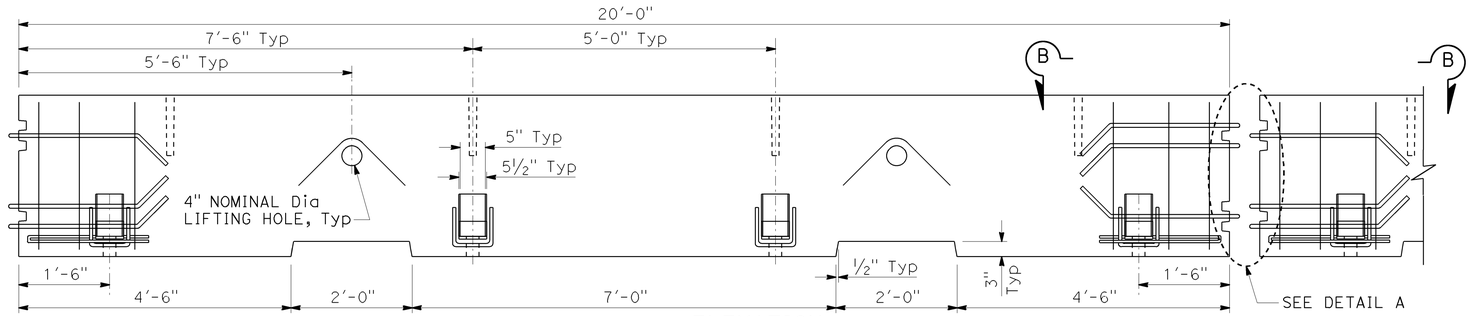
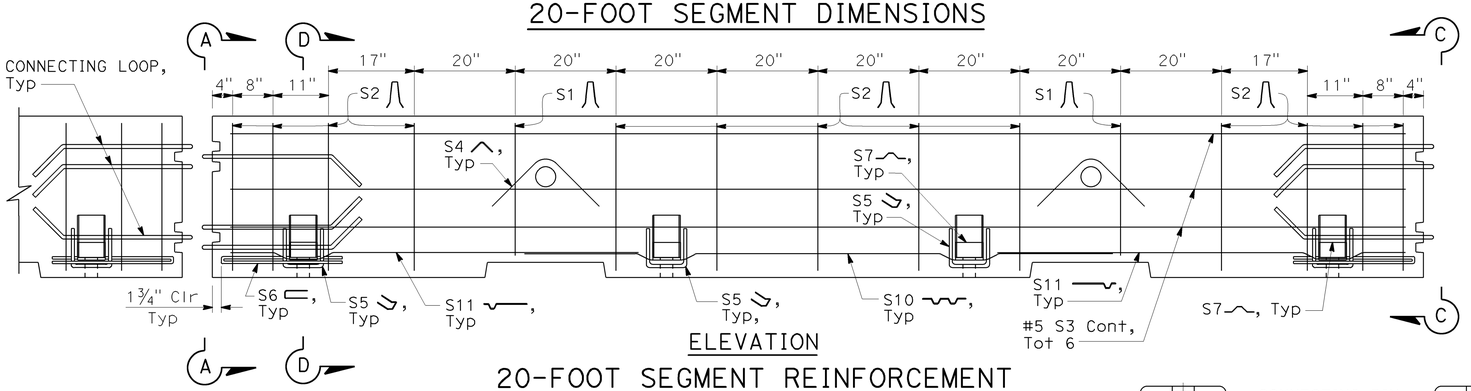
TO ACCOMPANY PLANS DATED May 27, 2025

2024 REVISED STANDARD PLAN RSP T3F



ELEVATION

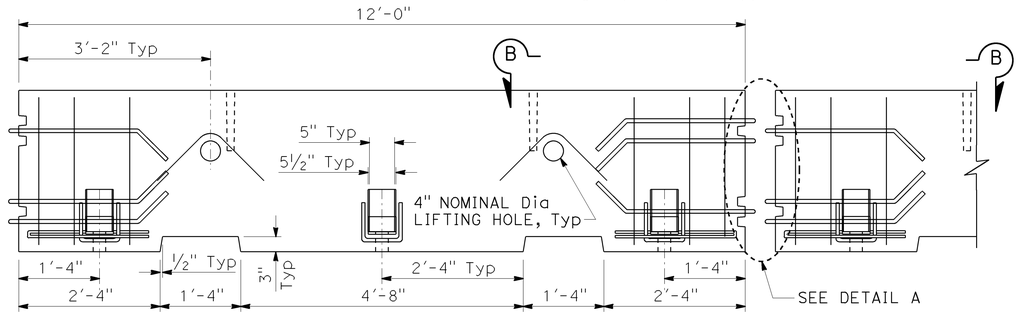
20-FOOT SEGMENT DIMENSIONS



ELEVATION

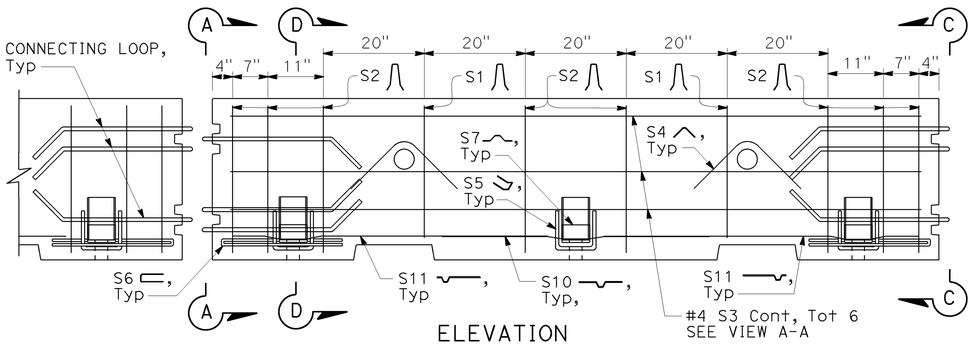
20-FOOT SEGMENT REINFORCEMENT

Weight per panel: approximately 4.8 Tons



ELEVATION

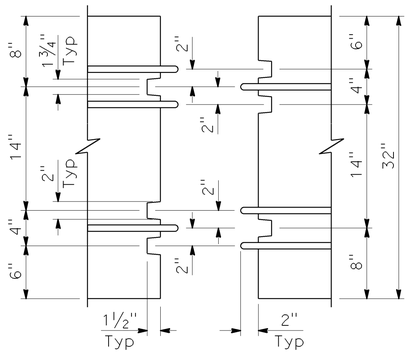
12-FOOT SEGMENT DIMENSIONS



ELEVATION

12-FOOT SEGMENT REINFORCEMENT

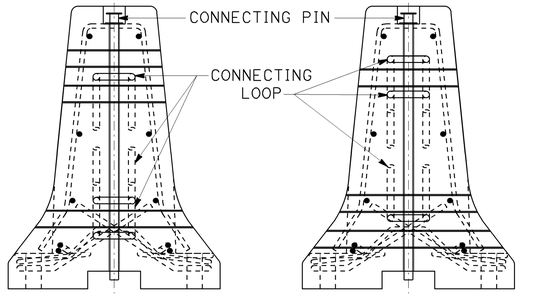
Weight per panel: approximately 2.9 Tons



DETAIL A

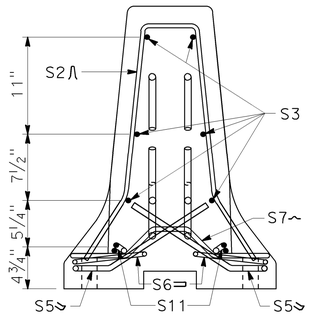
NOTES:

1. Barrier segment edges must be chamfered ¾" or tooled radius.
2. Steel reinforcement must have a minimum 1" concrete coverage.
3. Steel reinforcement may be bent to accommodate joint connection hardware, staking holes, and lifting holes.
4. A continuous steel reinforcement bar may be used instead of S10 and S11.

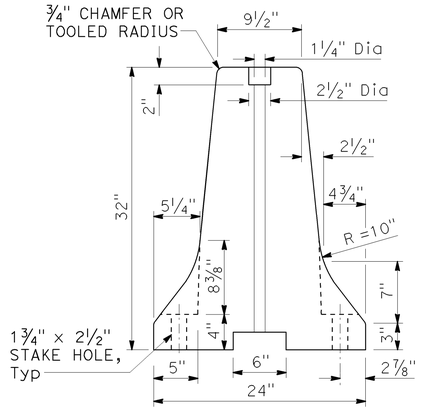


VIEW A-A

VIEW C-C

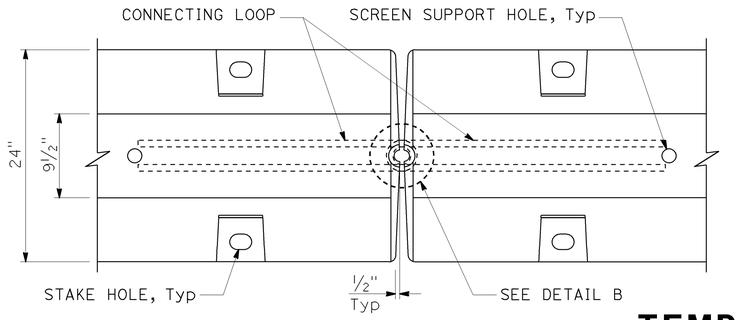


SECTION D-D

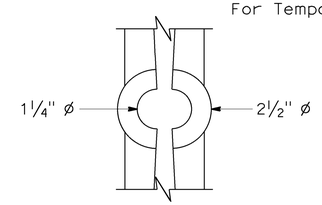


TYPICAL SECTION TYPE F

For Temporary Barrier Cal-F23



VIEW B-B



DETAIL B

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY BARRIER SYSTEM (CAL F-23)

NO SCALE

RSP T3F DATED OCTOBER 21, 2024 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP T3F

9-12-24

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		47	289

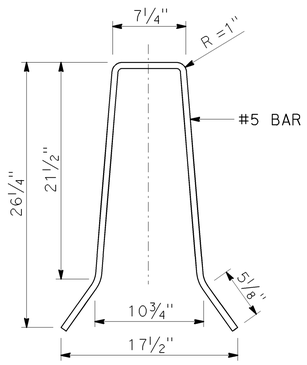
REGISTERED CIVIL ENGINEER

April 21, 2025
PLANS APPROVAL DATE

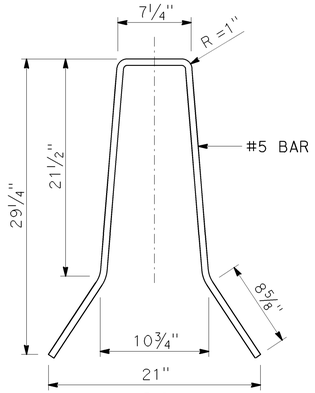
Mohan V. Bonala
No. C63046
Exp. 6-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

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

TO ACCOMPANY PLANS DATED May 27, 2025



S1



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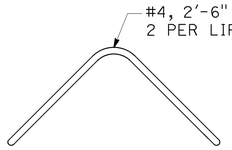

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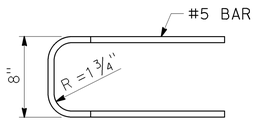
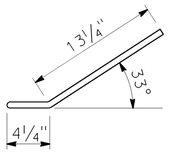
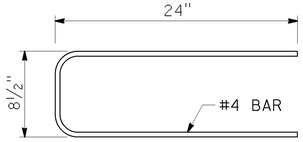


PLAN



ELEVATION

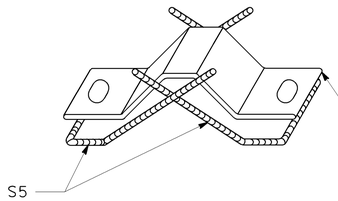
S5



S6

NOTE:

1. Reinforcement S5, S6, and S7 must be galvanized post fabrication.



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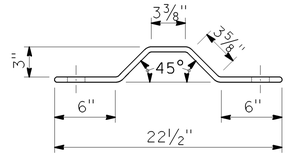

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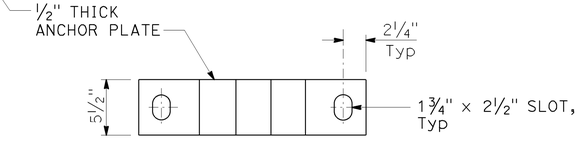
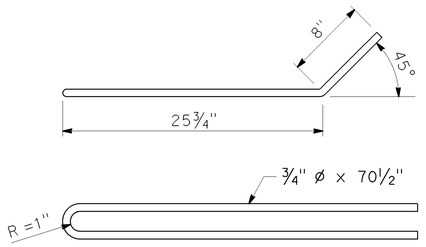


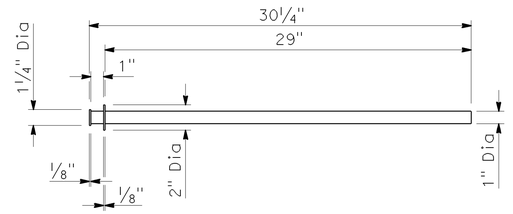
PLAN

S7 ANCHOR PLATE



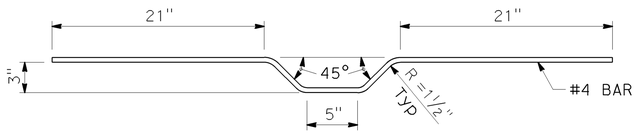
CONNECTING LOOP

3 per segment end (Total 6)

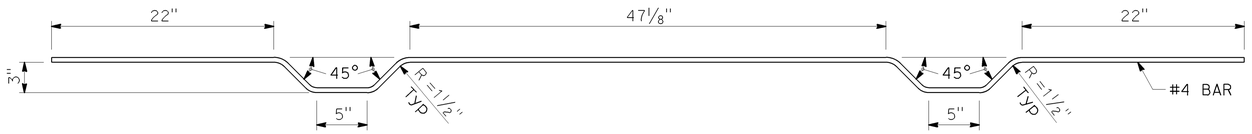


CONNECTING PIN

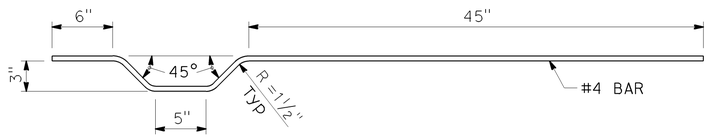
1 per joint



S10



S10



S11

12-FOOT SEGMENT

S11

20-FOOT SEGMENT

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY BARRIER SYSTEM (CAL F-23)

NO SCALE

RSP T3F2 DATED APRIL 21, 2025 SUPERSEDES RSP T3F2 DATED OCTOBER 21, 2024 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP T3F2

2024 REVISED STANDARD PLAN RSP T3F2

12-16-24

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		48	289

REGISTERED CIVIL ENGINEER

Mohan V. Bonala
No. C63046
Exp. 6-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

October 21, 2024
PLANS APPROVAL DATE

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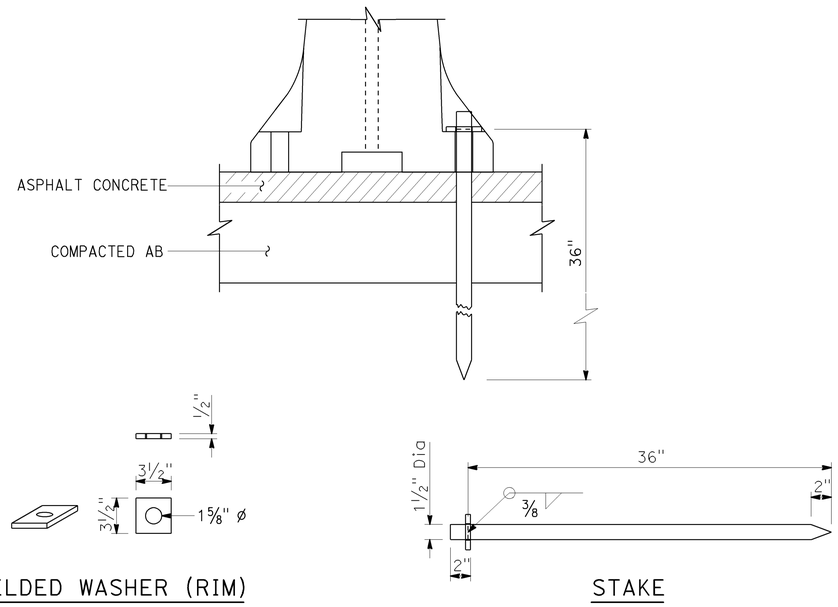
TO ACCOMPANY PLANS DATED May 27, 2025

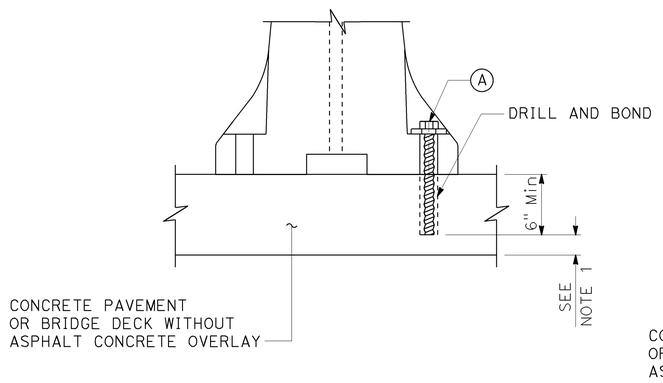
2024 REVISED STANDARD PLAN RSP T3G

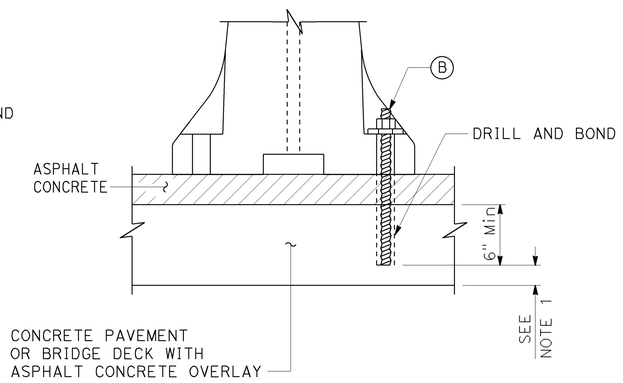


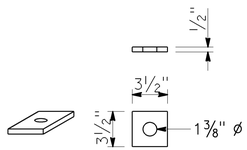
WELDED WASHER (RIM)

STAKE

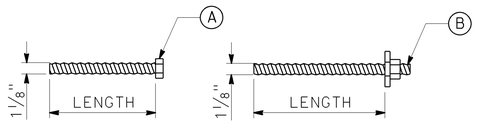
STAKE DETAILS





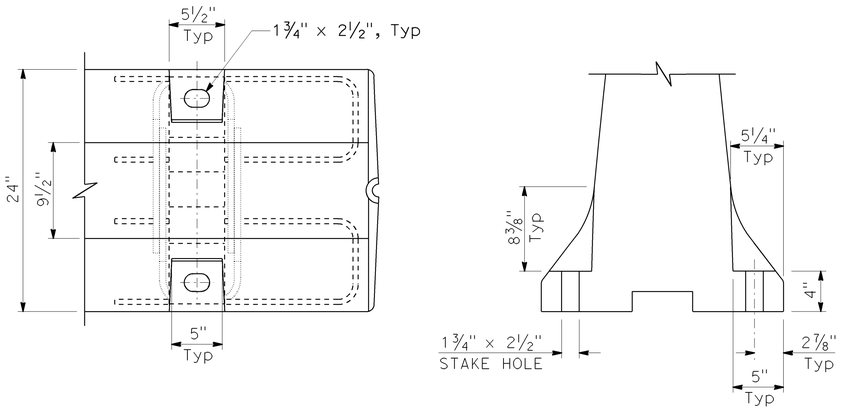


WASHER



ANCHOR BOLT OR THREADED ROD

ANCHOR DETAILS



STAKE HOLE DETAILS

NOTES:

1. Maintain a minimum 1½" clearance from bottom for bridge decks.
2. Staked temporary barrier systems must be supported by a minimum 4" thick asphalt concrete or existing asphalt concrete pavement.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY BARRIER SYSTEM (STAKING OR ANCHORING)

NO SCALE

RSP T3G DATED OCTOBER 21, 2024 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP T3G

9-12-24

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06	Fre	5725		49	289

REGISTERED CIVIL ENGINEER

REGISTERED PROFESSIONAL ENGINEER
Mohan V. Bonala
No. C63046
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

October 21, 2024
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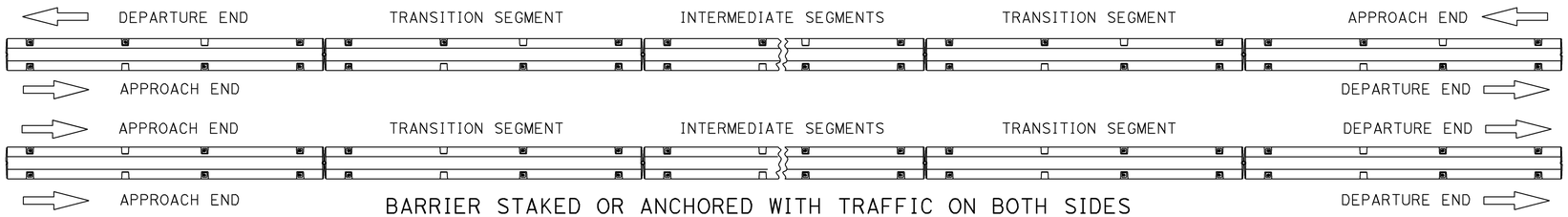
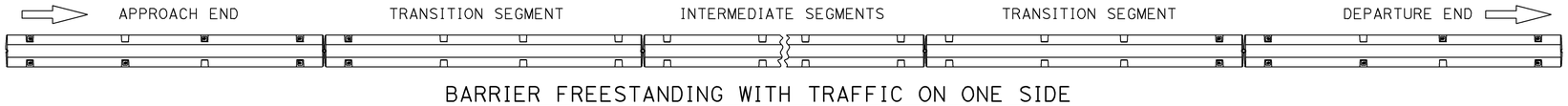
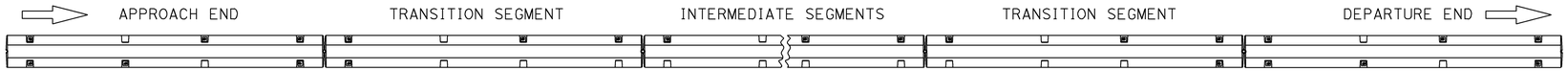
TO ACCOMPANY PLANS DATED May 27, 2025



BARRIER STAKED OR ANCHORED WITH TRAFFIC ON BOTH SIDES



BARRIER FREESTANDING WITH TRAFFIC ON ONE SIDE



BARRIER STAKED OR ANCHORED WITH TRAFFIC ON ONE SIDE

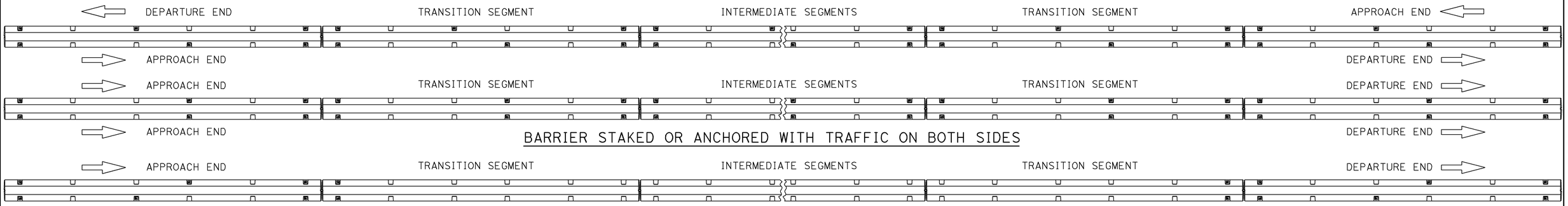
20-FOOT CROSS BOLT OR CAL F-23

NOTE:

1. Staked temporary barrier systems must be supported by a minimum 4" thick asphalt concrete or existing asphalt concrete pavement.

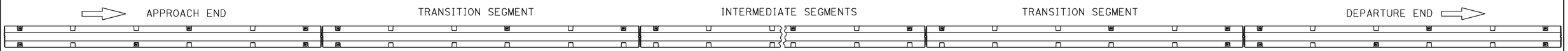
LEGEND

- • STAKE OR ANCHOR
- ⇨ DIRECTION OF TRAFFIC



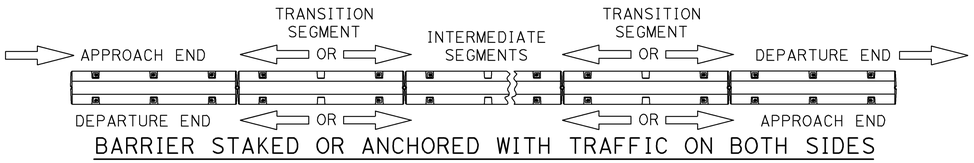
BARRIER STAKED OR ANCHORED WITH TRAFFIC ON BOTH SIDES

BARRIER FREESTANDING WITH TRAFFIC ON ONE SIDE

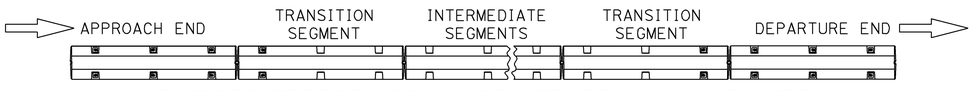


BARRIER STAKED OR ANCHORED WITH TRAFFIC ON ONE SIDE

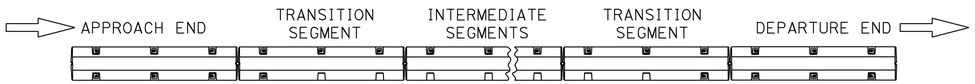
30-FOOT CROSS BOLT



BARRIER STAKED OR ANCHORED WITH TRAFFIC ON BOTH SIDES



BARRIER FREESTANDING WITH TRAFFIC ON ONE SIDE



BARRIER STAKED OR ANCHORED WITH TRAFFIC ON ONE SIDE

10-FOOT CROSS BOLT OR 12-FOOT CAL F-23

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY BARRIER SYSTEM (STAKING OR ANCHORING)

NO SCALE

RSP T3G2 DATED OCTOBER 21, 2024 SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP T3G2

2024 REVISED STANDARD PLAN RSP T3G2

9-12-24

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06	Fre	5725		50	289

REGISTERED CIVIL ENGINEER

April 21, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Stanley P. Johnson
No. C57793
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

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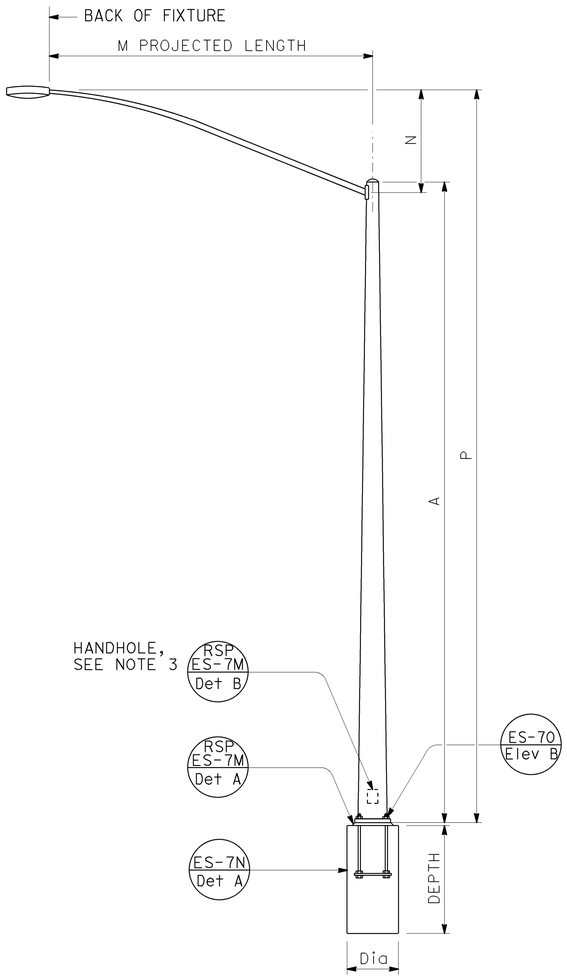
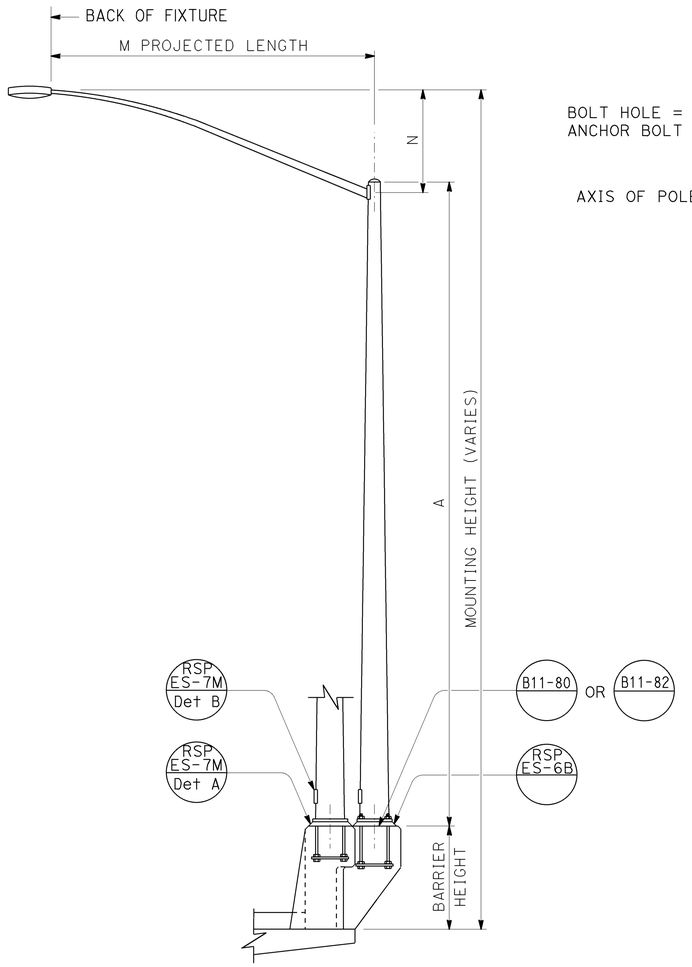
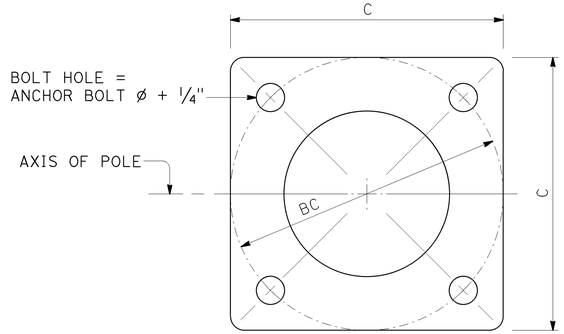
TO ACCOMPANY PLANS DATED May 27, 2025



TYPE 15 AND TYPE 21
ELEVATION A



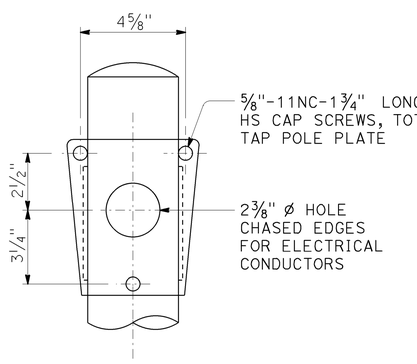
TYPE 15 AND TYPE 21 BARRIER RAIL MOUNTED
ELEVATION B



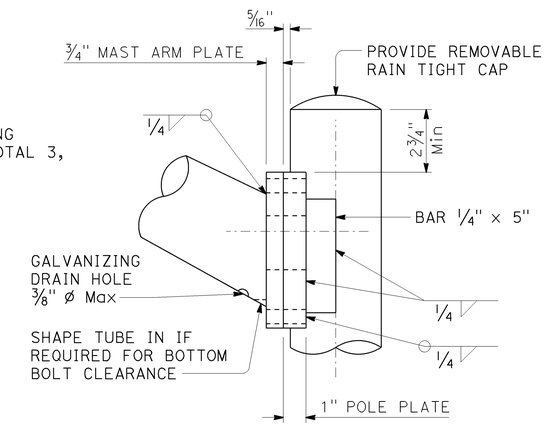
BASE PLATE
DETAIL A

NOTES:

1. ☐ Indicates mast arm length to be used unless otherwise noted on the plans.
2. For Type 15-SB, use Type 15 Standard with Type 30 slip base plate details, see Standard Plan ES-6F.
3. Handhole shall be located on the downstream side of traffic.
4. For additional notes and details, see Revised Standard Plan RSP ES-7M and Standard Plan ES-7N.



FRONT VIEW



SIDE VIEW

LUMINAIRE MAST ARM CONNECTION
DETAIL R

LUMINAIRE MAST ARM DATA					
M PROJECTED LENGTH	N RISE	Min OD AT POLE	NOMINAL THICKNESS	P	
				TYPE 15	TYPE 21
6′-0"	2′-0"±	3 1/4"	0.1196"	31′-6"±	36′-6"±
8′-0"	2′-6"±	3 1/2"		32′-0"±	37′-0"±
10′-0"	3′-3"±	3 7/8"		32′-9"±	37′-9"±
☐ 12′-0"	4′-3"±			33′-9"±	38′-9"±
15′-0"	4′-9"±	4 1/4"		34′-3"±	39′-3"±

POLE DATA					BASE PLATE DATA				CIDH PILE FOUNDATION	
POLE TYPE	A HEIGHT	Min OD		WALL THICKNESS	C	BC	THICKNESS	ANCHOR BOLT SIZE	Dia	DEPTH
		BASE	TOP							
15	30′-0"	8"	3 11/16"	0.1196"	1′-0"	1′-0"	1 1/2"	1" ø x 36" *	2′-6"	6′-0"
21	35′-0"	8 5/8"	3 9/16"	0.1793"			2"	1 1/4" ø x 36" *		7′-0"

* FOR BARRIER RAIL BOLTS, SEE REVISED STANDARD PLAN RSP ES-6B.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (LIGHTING STANDARD, TYPES 15 AND 21)

NO SCALE

RSP ES-6A DATED APRIL 21, 2025 SUPERSEDES STANDARD PLAN ES-6A
DATED SEPTEMBER 20, 2024 - PAGE 564 OF THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP ES-6A

2024 REVISED STANDARD PLAN RSP ES-6A

11-7-24

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April 21, 2025
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REGISTERED PROFESSIONAL ENGINEER
Stanley P. Johnson
No. C57793
Exp. 3-31-26
CIVIL
STATE OF CALIFORNIA

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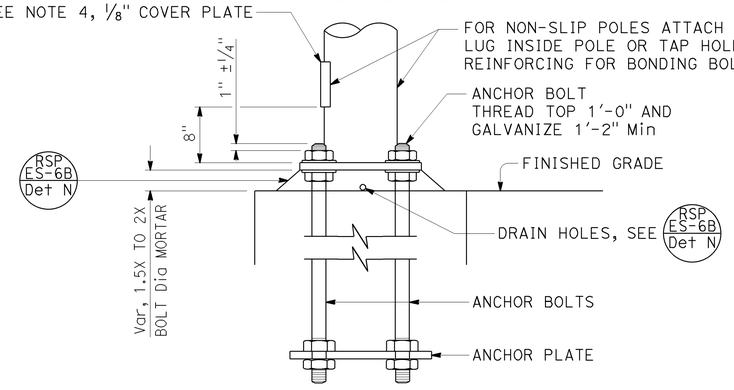
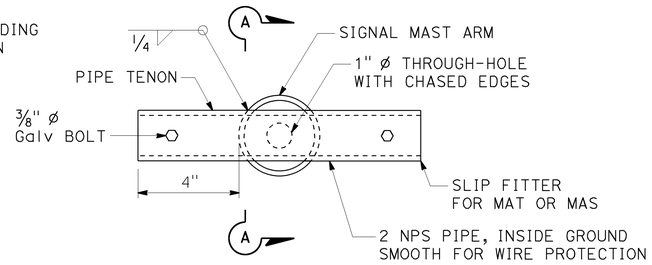
TO ACCOMPANY PLANS DATED May 27, 2025

4" x 6½" ROUNDED RECTANGLE OR 4½" x 7" OVAL HANDHOLE REINFORCED WITH RING WELDED TO OUTSIDE OF POLE.
SEE NOTE 4, ⅛" COVER PLATE



HANDHOLE AND ANCHORAGE
DETAIL A



DOUBLE SIDE TENON
DETAIL S-2

Second side limited to 15 lb and 1.3 square feet effective pressure area

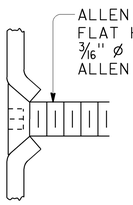
Type — Load case (Use SL for special load case) — Design wind velocity (mph) — Signal mast arm length (ft) — Near handhole: Maximum signal mast arm length for pole type — Near pole plate: Installed signal mast arm length — Standard plan year — Only for poles or mast arms using Detail F — Only for poles or mast arms using Standard Plan ES-7D

26A - 3 - 100 - 45 - 10 - F or FB

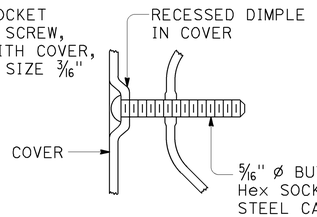
SAMPLE IDENTIFICATION NUMBER

IDENTIFICATION NUMBER

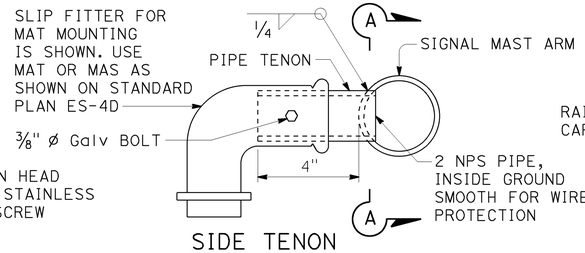
1. Attach a stamped metal tag with pole's identification number above the handhole. ¼" high number, minimum.
2. Attach a stamped metal tag with mast arm's identification number to the bottom of the signal mast arm near the pole plate. ¼" high number, minimum.



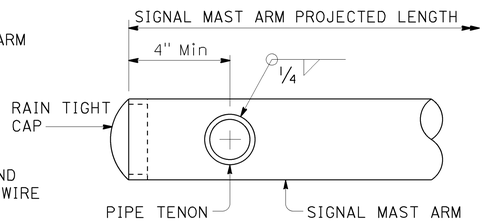
TYPICAL DETAIL
DETAIL B-1



ALTERNATIVE DETAIL
DETAIL B-2

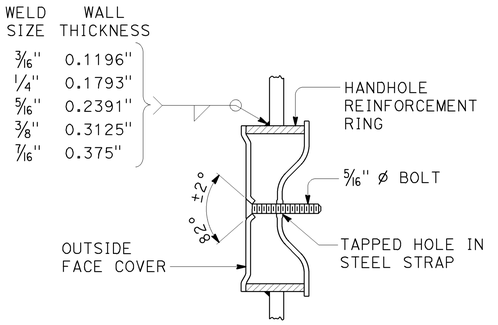


SIDE TENON
DETAIL S-1

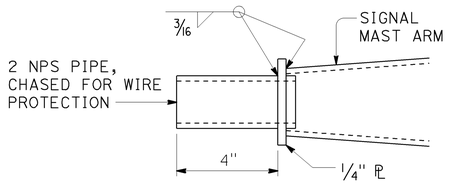


SECTION A-A

PIPE TENONS
DETAIL S

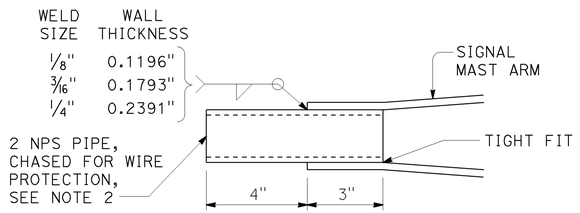


TAMPER RESISTANT HANDHOLE COVER
DETAIL B

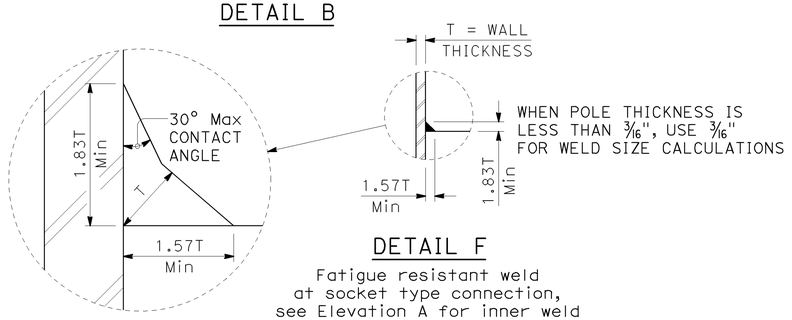


TIP TENON
DETAIL TL

This detail supersedes Detail S when so designated

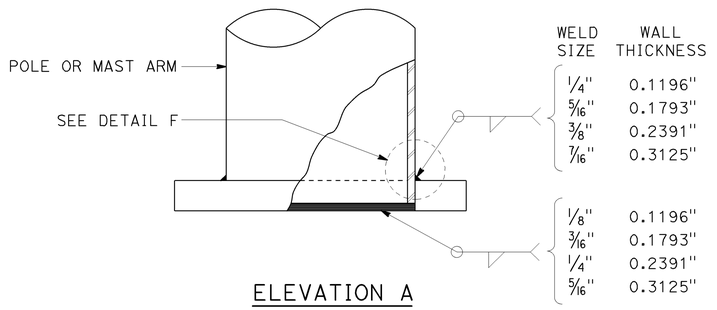


TIP TENON
DETAIL TS



DETAIL F

Fatigue resistant weld at socket type connection, see Elevation A for inner weld



ELEVATION A

NOTES:

1. Provide a Hex nut, leveling nut and 2 washers for each bolt.
2. Luminaire mast arms shall be round, tapered steel tubes, taper of 0.1375" to 0.143 inch per foot with an end section 2⅜" OD for mounting hardware. Extensions of 2 NPS Standard pipe and 7" long may be used at the option of the manufacturer. When low pressure sodium luminaires are required, the extension shall be 1'-3".
3. Signal mast arms shall be round, tapered steel tubes, maximum taper 0.143 inch per foot.
4. Handhole reinforcement ring shall be ¼" x 2" for 0.1196" to 0.2391" thick poles, ⅜" x 2" for 0.3125" to 0.375" thick poles.
5. Detail F, fatigue resistant weld, is required at socket welded signal mast arm plate and pole base plate.
6. Cap screws shall be tightened by the turn-of-nut method ⅓ turn from a snug tight condition. No washer will be required.
7. Outside diameter, wall thickness, and corresponding section properties of poles and mast arms as shown in the Standard Plans are minimums. Unless otherwise specified, alternative sections shall require approval by the Engineer.
8. Design: AASHTO Standard Specifications for Structural Support for Highway Signs, Luminaires, and Traffic Signals, 6th Edition.
   Basic Wind Speed = 100 mph (3 seconds gust).
   Yearly Mean Wind Velocity = 15.6 mph.
9. Materials (Structural steel):
   fy = 55,000 psi (tapered steel tube and anchor bolts)
   fy = 50,000 psi (unless otherwise noted)
10. Materials (Reinforced concrete):
    f'c = 3,625 psi
    fy = 60,000 psi
11. End of luminaire arm may be swaged down to 2⅜" outside diameter.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

ELECTRICAL SYSTEMS (SIGNAL AND LIGHTING STANDARD, DETAILS No. 1)

NO SCALE

RSP ES-7M DATED APRIL 21, 2025 SUPERSEDES STANDARD PLAN ES-7M
DATED SEPTEMBER 20, 2024 - PAGE 582 OF THE STANDARD PLANS BOOK DATED 2024.

REVISED STANDARD PLAN RSP ES-7M

2024 REVISED STANDARD PLAN RSP ES-7M

11-25-24

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		52	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 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
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

STATE FIRE MARSHAL PERMIT NUMBERS

22-S-4160-C-PI
24-S-4733-C-PI
24-S-4746-C-PI
24-S-4747-C-PI
24-S-4748-C-PI

SHEET LEGEND
A-1 ARCHITECTURAL ST-1 STRUCTURAL
M-1 MECHANICAL EE-1 ELECTRICAL
GP/GI-1 GENERAL SS-1 SANITARY
W-1 WATER

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SHEET INDEX: SHEET INDEX

SHEET GP-0

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 1 | 80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:51

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		53	289

LICENSED ARCHITECT — DATE 07-22-24

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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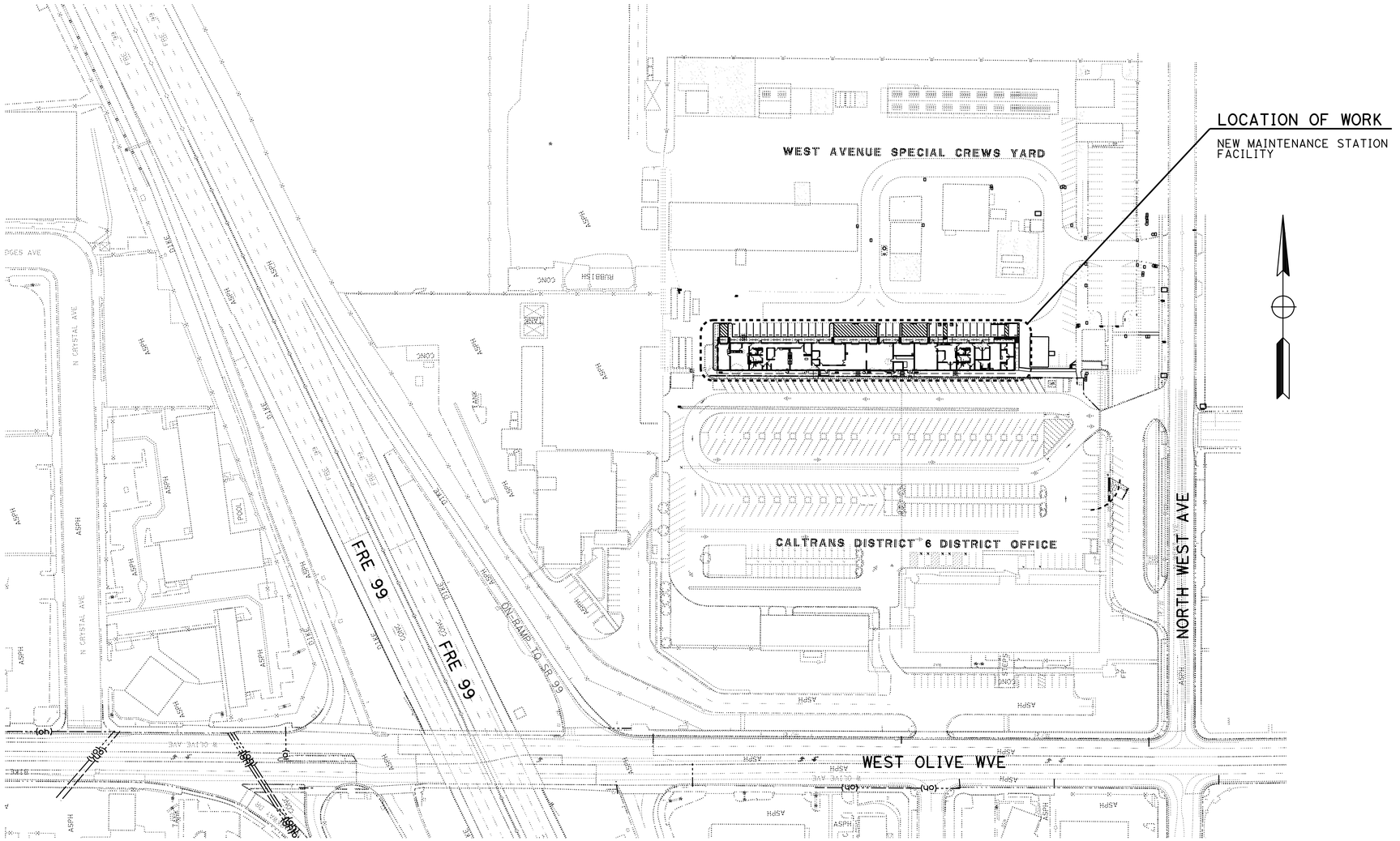
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 GENERAL PLAN

SCALE 1" = 80'-0"

SCOPE OF WORK

1. Demolish existing 50-year old Buildings "B", "C", "D", "E", "F" and existing tuff shed and install new and upgraded facilities that meet all current Maintenance Station Design Manual (MSDM) standards.
2. The new building will be constructed over the existing footprints, include Offices, Staff area, Crew rooms, workshops and storage rooms.
3. The new building will also include men's and women's restrooms, showers, kitchen/break rooms, and other mechanical and electrical equipment storage areas. Additional work will include site development and all required utility upgrades or new service connections as needed.

STATE OF CALIFORNIA - NATIONAL RESOURCES AGENCY — Gavin Newsom, Governor

DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
Fire and Life Safety Division
P.O. Box 944246
SACRAMENTO, CA 94244-2460
(916) 445-8550
Website: www.fire.ca.gov

LOCAL FIRE AUTHORITY – ACCESS APPROVAL

Project: West Avenue Maintenance Station Upgrade
Address: 1283 North West Avenue, Fresno, CA 93728
CSFM File Number: _____ (Only if applicable) DGS Project #: _____ (Only if applicable)

Pursuant to CCR19 3.00 and 3.05, the California State Fire Marshal is requesting certification from the local fire authority that the above sections are met to their satisfaction.

This form shall be scanned to the accompanying fire access plan reflecting all items under consideration, and wet signed by the local fire authority. Please complete all applicable items based on scope. California State Fire Marshal project approval may be delayed until this form is completed and returned. If you have any questions, please contact the California State Fire Marshal Plan Review Section at (916) 445-8550.

Approved	Yes	No
Fire Department Access	X	
Fire Department Connection		N/A
Fire Hydrant		
Fire Alarm Annunciator		
Fire Alarm Control Panel		
Knox Box		
Emergency Responder Radio Coverage		
Medical Emergency Service Elevator		
Fire Service Access Elevator		

Local Fire Authority: Fresno Fire Department
Address: 911 H Street
City/State/ZIP: Fresno, CA 93721
Approval issued by: Carl Terrence
Rank/Title: Fire Prevention Engineer
Phone Number: 559-621-4160
Signature: _____ Date: 7/24/2024

| | | |

BUILDING DATA NOTES

CODE ANALYSIS

The building work on this project has been designed to conform to the following codes:
2022 CA ADMINISTRATIVE CODE, CCR TITLE 24, PART 1
2022 CA BUILDING CODE, CCR TITLE 24, PART 2
2022 CA ELECTRICAL CODE, CCR TITLE 24, PART 3
2022 CA MECHANICAL CODE, CCR TITLE 24, PART 4
2022 CA PLUMBING CODE, CCR TITLE 24, PART 5
2022 CA ENERGY CODE, CCR TITLE 24, PART 6
2022 CA FIRE CODE, CCR TITLE 24, PART 9
2022 CA GREEN BUILDING STANDARDS CODE,CCR TITLE 24, PART 11
2022 CA REFERENCE STANDARDS CODE,CCR TITLE 24, PART 12
2010 ADA STANDARDS FOR ACCESSIBLE DESIGN CA CCR TITLE 19, PUBLIC SAFETY, DIVISION 1 SFM
2022 NFPA 13 INSTALLATION OF FIRE SPRINKLER SYSTEM
2019 NFPA 20 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2018 NFPA 22 WATER TANKS FOR PRIVATE FIRE PROTECTION
2022 NFPA 24 INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
2022 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE *

WATER SUPPLY ANALYSIS

Total building area = 13,932 sft
Density (Ordinary hazard 2) = 0.2 gpm/sft
Sprinkler Operation Area = 1,500 sft
Minimum sprinkler demand = 0.2X1,500 = 300 gpm
Hose Stream Demand = 250 gpm
System demand = 300 + 250 = 550 gpm
Water supply duration = 90 min
Total Minimum Water Supply = 550 X 90= 49,500 gal

Per 2022 CFC, Appendix B, Table B105.1(2):
Required fire-flow for Type IIB Construction for building area of 13,932 sft is 2,500 gpm and fire flow duration 2 hours.

The building will be fully fire sprinkled.
Per 2022 CFC, Appendix B, Table B105.2, Fire flow is allowed to be reduced to 25% value of Table B105.1(2) and per note (a) the reduced fire flow must not be less than 1,000 gpm.

Fire-flow is calculated to be 2,500 gpm X 0.25=625 gpm.
Per Table B105.2, Note (a). The reduced fire flow must not be less than 1,000 gpm.
Per CFC B105.3 buildings equipped with an approved automatic sprinkler system; the water supply must be capable of providing the greater of:
1. The automatic sprinkler system demand, including hose stream allowance.
2. The required fire flow per Appendix B.

Required flow rate must be 1000 gpm @ 20 psi residual pressure.
Hydrant Flow Test Data at Fire Hydrant: Flow rate 2,227.3 gpm @ 20 psi Residual pressure and 66 psi static pressure.
After plotting on FIGURE A.23.3.2 Hydraulic Graph for 1,000 gpm the pressure is 55 psi.
The tested fire hydrant, located within the MS yard, is connected to a 6-inch dedicated fire water line, positioned after a 6-inch backflow preventer. This configuration ensures that no pressure losses are attributable to the backflow preventer. Furthermore, we are upgrading the fire water line from 6 inches to 8 inches and incorporating a new 8-inch backflow preventer. This enhancement will significantly improve both the flow rate and pressure.

OSFM DEFERRED SUBMITTAL

DEFERRED SUBMITTAL ITEMS WILL BE SUPPLIED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE FOR REVIEW PRIOR TO SUBMITTING THE ITEMS TO THE OFFICE OF THE STATE FIRE MARSHAL (OSFM). THE REGISTERED DESIGN PROFESSIONAL WILL PROVIDE NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN GENERAL CONFORMANCE TO THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS MUST NOT BE INSTALLED UNTIL THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY OSFM.

1. FIRE SPRINKLER SYSTEM
2. PHOTOVOLTAIC SYSTEM
3. INTRUSION ALARM AN ACCESS SYSTEM
4. FIRE ALARM AND DETECTION SYSTEM

BUILDING DATA

BUILDING	BUILDING CONSTRUCTION TYPE	NUMBER OF STORIES	ACTUAL BUILDING HEIGHT	ALLOWABLE BUILDING HEIGHT	BUILDING AREA (Square Feet)	ALLOWABLE AREA (Per CBC 506.2)	SEPARATED OR NON-SEPARATED USE	AREA INCREASE (CBC Table 504.3)	HEIGHT INCREASE (CBC Table 504.3)	FIRE SPRINKLED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS	FIRE EXTINGUISHER	SMOKE CONTROL SYSTEM	OCCUPANT LOAD (CBC Table 1004.1.2)	YEAR BUILDING WAS CONSTRUCTED	HIGH FIRE HAZARD SEVERITY ZONE	SEISMIC JOINTS	EMERGENCY RESPONSE RADIO COVERAGE
NEW MAINTENANCE STATION	II-B	1	20'-5"	75'-0"	13932	38000 sq ft	NON-SEP	NO	NO	YES	YES	NO	YES	YES	259	NEW	-	NO	NO

OCCUPANCY TYPES: A-3 (CBC SECTION 303.4)
B (CBC SECTION 304.1)
F-1 (CBC SECTION 306.2)
F-2 (CBC SECTION 306.3)
S-2 (CBC SECTION 311.3)

NOTE:
SEE GP-2.1 FOR ADJACENT BUILDING/COMTAINERS DATA ANALYSIS
SEE A9-1 TO A9-3, A9-3.1 AND A9-3.2 FOR NON COMBUSTIBLE WALL ASSEMBLY, SEE DETAIL 3/A9-7 FOR ROOF ASSEMBLY

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		54	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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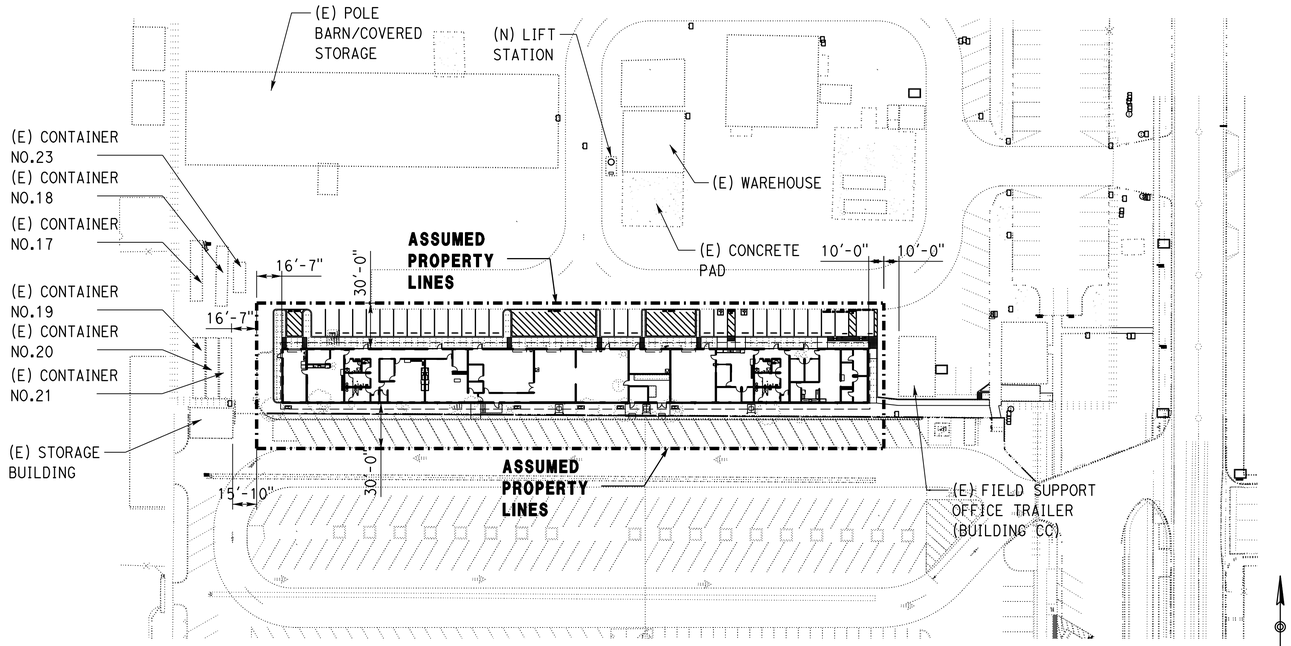
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

SITE ADDRESS

1283 NORTH WEST AVENUE
FRESNO, CA 93728

CODE ANALYSIS PARTIAL SITE PLAN



ASSUMED PROPERTY LINES
SCALE 1" = 50'-0"

GENERAL NOTES

1. THE CONTRACTOR MUST VERIFY ALL CONTROLLING DIMENSIONS AND FIELD CONDITIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS OR ASSEMBLIES
2. THE CONTRACTOR MUST NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL MEASUREMENT OR FIELD CONDITIONS
3. BUILDING OWNER AND CONTRACTOR ARE TO ADHERE TO CFC CHAPTER 33 AND SITE FIRE SAFETY PLAN PER 3303.1.1. THIS PLAN MUST BE VERIFIED BY OSFM FIELD DEPUTY PRIOR TO START OF ANY CONSTRUCTION OPERATIONS PER CFC CHAPTER 33 SITE FIRE SAFETY PLAN

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
GENERAL CODE | CODE ANALYSIS

SHEET GP-2

DISREGARD PRINTS BEARING EARLIER REVISION DATES →
REVISION DATES (PRELIMINARY STAGE ONLY)
VERSION V2 | SHEET 3 | OF 80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		55	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
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PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

STORAGE CONTAINER TO REMAIN

1. STORAGE CONTAINER NO. 17 8'-6" H' X 8'W' X 40'L'
2. STORAGE CONTAINER NO. 18 8'-6" H' X 8'W' X 40'L'
3. STORAGE CONTAINER NO. 19 8'-6" H' X 8'W' X 40'L'
4. STORAGE CONTAINER NO. 20 8'-6" H' X 8'W' X 40'L'
5. STORAGE CONTAINER NO. 21 8'-6" H' X 8'W' X 40'L'
6. STORAGE CONTAINER NO. 23 BELONGS T CULVERT CREW) 8'-6" H' X 8'W' X 20'L'

ADJACENT BUILDING DATA ANALYSIS

BUILDING	OCCUPANCY CLASSIFICATION AND (USE)	BUILDING CONSTRUCTION TYPE	NUMBER OF STORIES	ACTUAL BUILDING HEIGHT	ALLOWABLE BUILDING HEIGHT	BUILDING AREA (Square Feet)	ALLOWABLE AREA (Per CBC 506.2)	SEPARATED OR NON-SEPARATED USE	AREA INCREASE (CBC Table 504.3)	HEIGHT INCREASE (CBC Table 504.3)	FIRE SPRINKLED	FIRE ALARM	OTHER FIRE PROTECTION SYSTEMS	FIRE EXTINGUISHER	SMOKE CONTROL SYSTEM	OCCUPANT LOAD (CBC Table 1004.1.2)	YEAR BUILDING WAS CONSTRUCTED	HIGH FIRE HAZARD SEVERITY ZONE	SEISMIC JOINTS	EMERGENCY RESPONSE RADIO COVERAGE
(E) BUILDING CC OFFICE TRAILER	B	V-B	1	2'-0"	40'-0"	960	9000 sq ft	NON-SEP	NO	NO		YES	NO	YES	YES	5	1991	-	NO	NO
(E) STORAGE BUILDING	S	V-B	1	13'-11"	40'-0"	560	9000 sq ft	NON-SEP	NO	NO						2		-	NO	NO

QUANTITY STORE IN CONTAINER NO. 17 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY (GAL)	QUANTITY (LBS)
CHAIRS		200	
TABLES		82	
CONES		50	

QUANTITY STORE IN CONTAINER NO. 18 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY (GAL)	QUANTITY (LBS)
METAL	2-POST RACKS	6 RACKS	
METAL	4-POST RACKS	9 RACKS	
METAL	SHELVING UNIT	5 SHELVING UNITS	
METAL	CABLE MANAGEMENT RACEWAY	4 UNITS	
WOOD	WOOD PALLET	4 PALLETS	
ELECTRONICS	FANS	4 FANS	
ELECTRONICS	COMPUTER EQUIPMENT	6 BOXES	

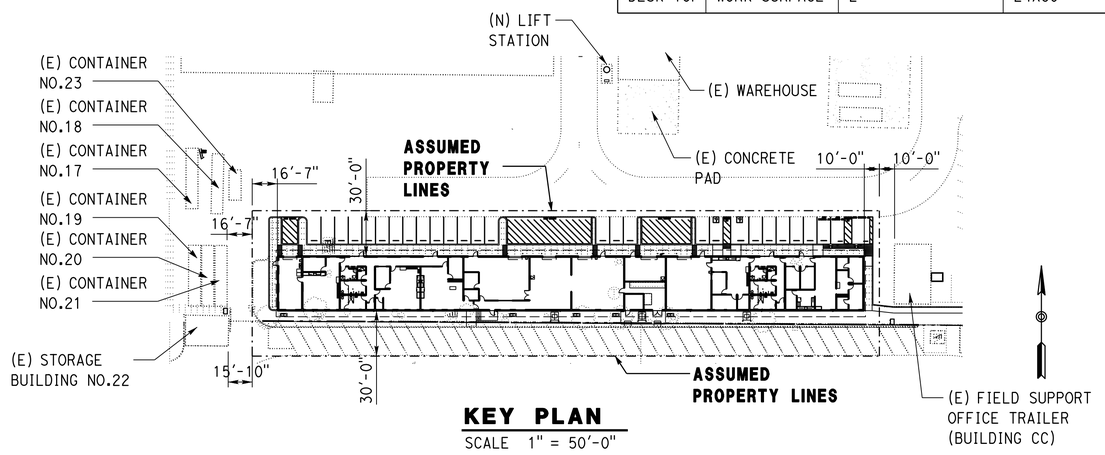
QUANTITY STORE IN CONTAINER NO. 19 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY (GAL)	SIZE
WOOD	LATH	30 Bundles	
WOOD	STAKES 2x2x18	1 pallet 60 boxes	
WOOD	Round Ginnies	11 box	
BRASS	Monuments	12 boxes	
WOOD	Stakes 1x2x6	18 boxes	
NAILS	8" Spikes	5 boxes	
ADHESIVE	Sealant	5 Buckets (5 gal)	5 gal
PLASTIC	Traffic Cones	3	

QUANTITY STORE IN CONTAINER NO. 20 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY (GAL)	SIZE
SHORT	MODULAR WALL	2	24"
SHORT	MODULAR WALL	30	41"
SHORT	MODULAR WALL	36	20"
TALL	MODULAR WALL	15	18"
TALL	MODULAR WALL	55	30"
TALL	MODULAR WALL	7	36"
TALL	MODULAR WALL	5	48"
DESK TOP	WORK SURFACE	17	24X36
DESK TOP	WORK SURFACE	1	24X48
DESK TOP	WORK SURFACE	16	30X48
DESK TOP	WORK SURFACE	1	30X42
DESK TOP	WORK SURFACE	2	24X60

QUANTITY STORE IN CONTAINER NO. 21 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY	SIZE
DESK TOP	WORK SURFACE	5	30X60
DESK TOP	WORK SURFACE	13	30X66
DESK TOP	WORK SURFACE	2	24X72
DESK TOP	WORK SURFACE	1	30X72
DESK TOP	WORK SURFACE	17	30X84
FLOORING	CARPET SQUARES	32 BOXES	24X24
INSULATION	R13	3 ROLLS	

QUANTITY STORE IN CONTAINER NO. 23 TO REMAIN			
MATERIAL	TRADE NAME	QUANTITY	QUANTITY (LBS)
ELECTRONIC	CAMERA EQUIP.	8 BOXES	
ELECTRONIC	TRUCK ACCESSORIES	3 BOXES	
WOOD/METAL	HAND TOOLS	4 BOXES	
METAL	LADDERS	4	
PAINT	SPRAY PAINT	2 BOXES	
PLASTIC/ METAL	PORTABLE GENERATORS	1	
PLASTIC/ FABRIC	PPE	3 BOXES	

QUANTITY STORE IN (E) STORAGE BUILDING NO. 22			
MATERIAL	TRADE NAME	QUANTITY	SIZE
WATER CLOSET		2	
DRILL	DRILL PRESS	1	N/A
SAW	BAN SAW	1	N/A
DISPENCERS	TISSUE	8	
FAUCETS	SINK FAUCET	7	N/A
GENERATOR	HONDA	2	
BLOWERS	HONDA	2	N/A
VACCUM	SHOP VAC	1	N/A
PAINT	LATEX PAINT	3	GALLONS
DRY WALL	DRY WALL	10 SHEETS	8'X4'
STUD	METAL STUD	15	2"X4"X10'
LADDERS	EXTENSION LADDERS	2	12'
TRASH CAN	TRASH CAN	3	55 GAL
LINCOLN	DRY PORTABLE AIR VENT	1	N/A



KEY PLAN
SCALE 1" = 50'-0"

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

GENERAL CODE — ADJACENT BUILDING/CONTAINER DATA ANALYSIS

SHEET **GP-2.1**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	4	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		56	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

OCCUPANCY LOAD CALCULATIONS

ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)	OCCUPANCY GROUPS	OCC. LOAD FACTOR	OCC. LOAD
101	TREE CREW REPAIR	542	F-1	200	3
102	TREE CREW ROOM	686	B	15	46
103	SUPERVISOR	144	B	150	1
104	HALLWAY	581	B	150	4
105	JANITOR	91	B	300	1
106	SHOWER	49	B	150	1
107	MEN	157	B	150	2
108	WOMEN	162	B	150	2
109	IT CLOSET	25	S-2	300	1
110	CREW ROOM 1	647	B	15	44
111	SUPERVISOR	141	B	150	1
112	ELEC. ROOM	38	S-2	300	1
113	CREW ROOM 2	775	A-3	15	52
114	SUPERVISOR	141	B	150	1
115	STAFF SPACE	103	B	150	1
116	MATERIAL STORAGE	109	S-2	300	1

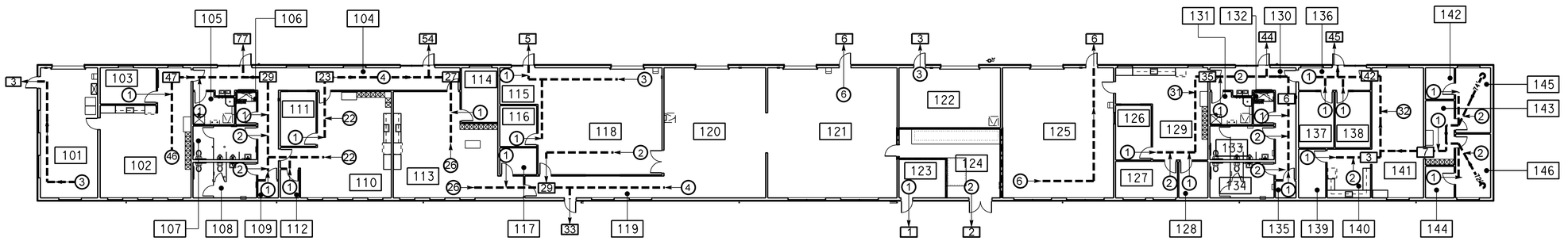
ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)	OCCUPANCY GROUPS	OCC. LOAD FACTOR	OCC. LOAD
117	STORAGE	72	S-2	300	1
118	SIGN PRINTING	942	F-1	200	5
119	HALLWAY	199	B	150	2
120	SIGN STORAGE	947	S-2	300	4
121	SIGN FABRICATION	1197	F-2	200	6
122	AUXILIARY SIGN PRINTING ROOM	427	F-1	200	3
123	IT/DATA ROOM	126	S-2	300	1
124	ELEC. ROOM	358	S-2	300	2
125	BRIDGE CREW STO./REPAIR	1040	F-1	200	6
126	SUPERVISOR	139	B	150	1
127	SUPERVISOR	161	B	150	2
128	STORAGE	77	S-2	300	1
129	BRIDGE CREW	466	B	15	31
130	HALLWAY	284	B	150	2
131	JANITOR	91	B	300	1

ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)	OCCUPANCY GROUPS	OCC. LOAD FACTOR	OCC. LOAD
132	SHOWER	49	B	150	1
133	MEN	157	B	150	2
134	WOMEN	162	B	150	2
135	ELEC. ROOM	26	S-2	300	1
136	HALLWAY	124	B	150	1
137	SUPERINTENDENT	144	B	150	1
138	SUPERINTENDENT	144	B	150	1
139	STORAGE	99	S-2	300	1
140	KITCHEN	153	B	150	2
141	CREW ROOM	477	B	15	32
142	STORAGE	65	S-2	300	1
143	PRINTER ALCOVE	135	B	150	1
144	STORAGE	65	S-2	300	1
145	SUPERVISOR	166	B	150	2
146	SUPERVISOR	163	B	150	2

OCCUPANT LOAD FACTOR BASED ON CBC TABLE 1004.1.1
(MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

LEGEND

- XXX — ROOM NUMBER
- ⊗ — TOTAL ROOM OCCUPANT LOAD
- [X] — OCCUPANT TOTAL EXITING BUILDING
- PATH OF TRAVEL (EXITING)
- TRAVEL DISTANCE (FURTHEST POINT)
- DIRECTION OF TRAVEL
- ONE -HOUR FIRE RATED WALL



1 EGRESS PLAN

SCALE 1/16" = 1'-0"

PLAN NORTH

| | | |

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		57	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

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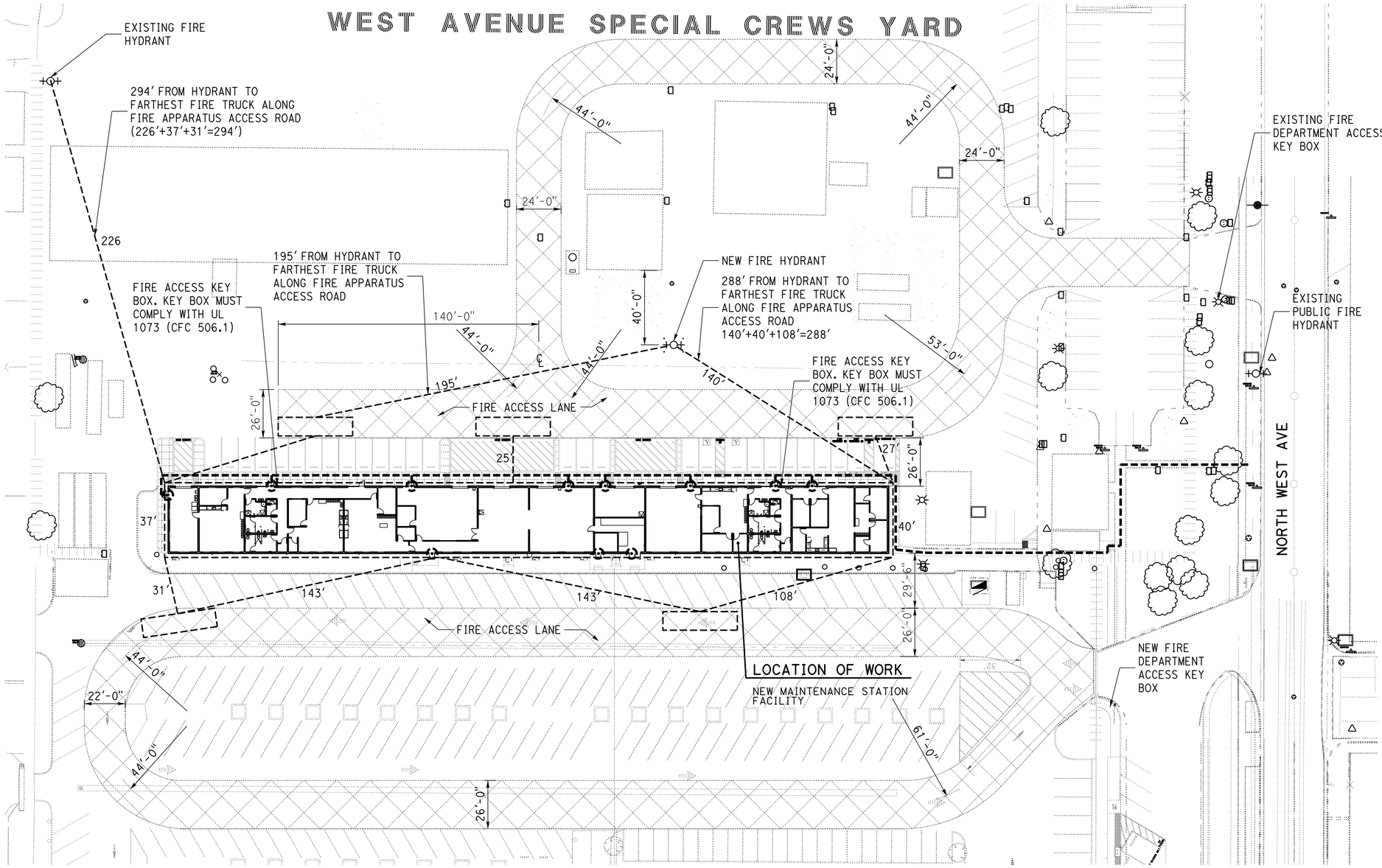
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

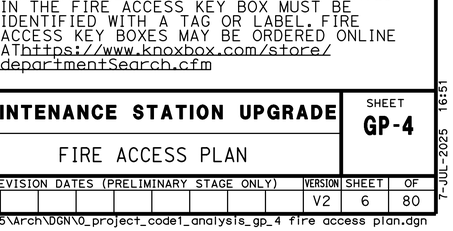
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

WEST AVENUE SPECIAL CREWS YARD



PLAN LEGEND

- EGRESS POINT
- ACCESS APPARATUS PATH
- PATH OF TRAVEL



GENERAL NOTES

1. AN APPROVED FIRE/POLICE PADLOCK MUST BE INSTALLED ON GATES USED SOLELY FOR EMERGENCY VEHICLE ACCESS. FIRE/POLICE PADLOCKS MAY BE USED IN CONJUNCTION WITH OTHER APPROVED LOCKING DEVICES. PADLOCKS MUST BE AN APPROVED CITY OF FRESNO BYPASS LOCK. (FFD DEVELOPMENT POLICY 403.002) FIRE/POLICE PADLOCKS MAY BE PURCHASED ONLY THROUGH SIERRA LOCK & GLASS, 1560 N. PALM AVENUE, FRESNO, CA 93728. (FFD DEVELOPMENT POLICY 403.004).
2. PROVIDE AN EXTERIOR FIRE ACCESS KEY BOX ON THE GROUND FLOOR ADJACENT THE MAIN ENTRANCE AT A HEIGHT OF 6 FEET FROM GRADE. FIRE ACCESS KEY BOXES MUST BE PROVIDED FOR BUILDINGS WHERE ANY OF THE FOLLOWING CONDITIONS EXIST: HIGH-RISE BUILDING, INTERIOR ELEVATOR (S), FIRE SPRINKLER SYSTEM WITH INTERIOR RISER(S), FIRE ALARM SYSTEM, UNDULY DIFFICULT ACCESS, AND/OR WHERE REQUIRED BY THE FIRE MARSHAL (OR DESIGNEE). KEYS PLACED IN THE FIRE ACCESS KEY BOX MUST BE IDENTIFIED WITH A TAG OR LABEL. FIRE ACCESS KEY BOXES MAY BE ORDERED ONLINE AThttps://www.knoxbox.com/store/departmentSearch.cfm

1 FIRE ACCESS PLAN

SCALE 1" = 30'-0"

NOTE:
1. STRUCTURE INFORMATION NOT SHOWN FOR CLARITY. INFORMATION ON THIS SHEET IS FOR SFM PLAN REVIEW PURPOSES SHOWING FIRE APPARATUS ACCESS, FIRE HOSE PULL PATH AND LENGTH AND ABOVEGROUND FIRE PROTECTION WATER TANK AND HYDRANT LOCATION
2. FOR MORE INFORMATION ON STRUCTURE PLEASE SEE A0-4.0 SITE PLAN.
3. SEE MECHANICAL FOR INFORMATION ON FIRE PROTECTION, WATER TANK AND FIRE HYDRANT.

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

GENERAL PLAN

FIRE ACCESS PLAN

SHEET GP-4

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	6	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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A

A	AMPERES
AAD	ADHESIVE ANCHORAGE DEVICE
AB	ANCHOR BOLT, AGGREGATE BASE
ABS	ACRYLONITRILE BUTADIENE STYRENE
Abv	ABOVE
A/C	COMBINATION HEATING COOLING ROOFTOP UNIT, AIR CONDITIONING UNIT
AC	ASPHALT CONCRETE
Acous	ACOUSTICAL
ACS	AIR COMPRESSOR STARTER
AD	AIR DROP
ADA	AMERICANS WITH DISABILITIES ACT
Addl	ADDITIONAL
Adj	ADJUSTABLE
AFCI	ARC FAULT CIRCUIT INTERRUPTER
AHU	AIR HEATER UNIT
AI	ANALOG INPUT
AL	ALARM LIGHT
Alt	ALTERNATE
Alum	ALUMINUM
AO	ANALOG OUTPUT
APA	AMERICAN PLYWOOD ASSOCIATION
APC	ALTERNATIVE PIPE CULVERT
Approx	APPROXIMATE
AR	ALARM RESET
Arch	ARCHITECTURAL, ARCHITECT
Asph	ASPHALT
ATF	AUTOMATIC TRANSMISSION FLUID
ATS	AUTOMATIC TRANSFER SWITCH
Auto	AUTOMATIC
AVC	AIR VOLUME CONTROLLER
AWG	AMERICAN WIRE GAUGE

B

B-B	BACK TO BACK
BC	BARE COPPER
Bd	BOARD
BD	BUILDING DISCONNECT
BFP	BACKFLOW PREVENTER
BFV	BUTTERFLY VALVE
Bit	BITUMINOUS
Bldg	BUILDING
Blk	BLOCK
Blkg	BLOCKING
Bm	BEAM
BN	BOUNDARY NAILING
BOF	BOTTOM OF FOOTING
Bot	BOTTOM
BP	BOOSTER PUMP
Br	BRIDGE
Brk	BREAKER
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT PER HOUR
Btwn	BETWEEN
BUR	BUILT-UP-ROOFING
BV	BALANCING VALVE

C

C	CONDUIT
Cab	CABINET
Cat	CATEGORY
CB	CIRCUIT BREAKER, CATCH BASIN
CBC	CALIFORNIA BUILDING CODE
C-C	CENTER TO CENTER
CCTV	CLOSED CIRCUIT TELEVISION
CD	CONTROL DISCONNECT, CONDENSATE DRAIN
Cem	CEMENT
Cer	CERAMIC
cfm	CUBIC FEET PER MINUTE
cfs	CUBIC FEET PER SECOND
CFS	COLD-FORMED STEEL
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CI	CAST-IRON
CIDH	CAST IN DRILLED HOLE
CIP	CAST IN PLACE
CJ	CONTROL JOINT
Ckt	CIRCUIT
CL	CHAIN LINK
Clg	CEILING
Clo	CLOSET
Clr	CLEAR
CMP	CORRUGATED METAL PIPE
CMS	CHANGEABLE MESSAGE SIGN
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
Col	COLUMN
Comm	COMMUNICATION
Conc	CONCRETE
Conn	CONNECTION
Const	CONSTRUCTION
Cont	CONTINUOUS, CONTINUED, CONTINUE
Corr	CORRIDOR
COTF	CLEANOUT TO FLOOR, CLEANOUT THROUGH FLOOR
COTG	CLEANOUT TO GRADE, CLEANOUT THROUGH GRADE
COTW	CLEANOUT TO WALL
CP	CONTROL POINT
Cpt	CARPET
Cplg	COUPLING
CPU	CENTRAL PROCESSING UNIT
CR	CONTROL RELAY
CS	CURRENT SWITCH
Ctsk	COUNTERSUNK
CT	CERAMIC TILE
Ctr	CENTER
CV	CHECK VALVE
CW	COLD WATER PIPE, COLD WATER
cy	CUBIC YARD

D

D	DEPTH, DRAIN
DB	DRY BULB
Dbl	DOUBLE
DDC	DIRECT DIGITAL CONTROL
Demo	DEMOLISH
Det	DETAIL
DF	DRINKING FOUNTAIN, DOUGLAS FIR
DH	DUCT HEATER
DI	DRAIN INLET, DIGITAL INPUT
Dia	DIAMETER
DIP	DUCTILE IRON PIPE
DLC	LOOP DETECTOR LEAD-IN CABLE
Dn	DOWN
DO	DIGITAL OUTPUT, DITTO
DP	DRAIN PIPE, DUPLEX PLUG RECEPTACLE
Dr	DOOR
DS	DOWNSPOUT, DOOR SWITCH
Dwr	DRAWER

E

E	EAST
(E)	EXISTING
Ea	EACH
EA	EXHAUST AIR
EB	EASTBOUND
EEWS	EMERGENCY EYEWASH AND SHOWER
EF	EXHAUST FAN
EH	EXHAUST HOOD
EHD	ELECTRIC HAND DRYER
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EJFM	EXPANSION JOINT FILLER MATERIAL
Elect	ELECTRICAL
Elev	ELEVATION, ELEVATION HEIGHT (OR VIEW)
Elvr	ELEVATOR
Embed	EMBEDMENT
Emer	EMERGENCY
EMS	EXTINGUISHABLE MESSAGE SIGN
EN	EDGE NAIL
ENET	ETHERNET NETWORK
Encl	ENCLOSURE
EP	EDGE OF PAVEMENT
EPB	ELECTRICAL PANELBOARD
EPDM	ETHYLENE PROPYLENE DIMONOMER PIPE
EPS	EXPANDED POLYSTYRENE
Eq	EQUAL
Equip	EQUIPMENT
ETW	EDGE OF TRAVEL WAY
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER

E continued

Exp	EXPANSION
Ext	EXTERIOR

F

F	FUSE
F(ac)	AC FUSE
FACP	FIRE ALARM CONTROL PANEL
FAI	FRESH AIR INTAKE
fc	FOOTCANDLE(S)
FC	FAN COIL
FD	FLOOR DRAIN, DC FUSE
FDC	FIRE DEPARTMENT CONNECTION
FDGM	FREE DRAINING GRANULAR MATERIAL
Fdn	FOUNDATION
FE	FIRE EXTINGUISHER, FIRE EXTINGUISHER BRACKET MOUNTED
FEC	FIRE EXTINGUISHER WITH CABINET
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FHC	FIRE HOSE CABINET
FHMS	FLATHEAD METAL SCREW
FHWS	FLATHEAD WOOD SCREW
Fin	FINISH
FJ	FLOOR JOIST
FL	FLOW LINE, FAILURE LIGHT
Fla	FLASHER
Flash	FLASHING
Flex	FLEXIBLE CONDUIT
Flr	FLOOR
FLS	FLOW SWITCH
Fluor	FLUORESCENT
FM	FORCE MAIN
FMD	FLOW MEASURING DEVICE
FN	FACE (FIELD) NAIL
FO	FIBER OPTIC
FOB	FACE OF BUILDING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FR	FAILURE RESET, FLAME RESISTANT
Frmg	FRAMING
FRPP	FIBERGLASS REINFORCED PLASTIC PANEL
FS	FLOOR SINK, FLOAT SWITCH
ft	FEET, FOOT
Ftg	FOOTING
FTR	FLUE THROUGH ROOF
Furr	FURRING
Fwy	FREEWAY

G

G	GROUND
ga	GAUGE
GAC	GRANULAR ACTIVATED CARBON
gal	GALLON
Galv	GALVANIZED
GB	GRAB BAR, GROUND BUS
GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
GI	GALVANIZED IRON
GLM	GLUE LAMINATED MEMBER
GLV	GLOBE VALVE
Glz	GLAZING
GPM	GALLONS PER MINUTE
Gr	GRADE
GRS	GALVANIZED RIGID STEEL
GSM	GALVANIZED SHEET METAL
GSP	GALVANIZED STEEL PIPE
GV	GATE VALVE
GWH	GAS WATER HEATER
Gyp	GYPSUM
Gyp WB	GYPSUM WALLBOARD

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		58	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — Donald E. Alsey — No. C-26676 — 07-31-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

STANDARD DRAWING					
FILE NO. .	DESIGN	BY Donald Alsey	CHECKED Robert Travis	APPROVED R E Travis	
DRAWING DATE 09-15	DETAILS	BY Robertino Quibin	CHECKED Robert Travis	DESIGN SUPERVISOR	
	SUBMITTED BY		, DESIGN ENGINEER		

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ABBREVIATIONS — BUILDING ABBREVIATIONS 1of 3

SHEET **GI-2a**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	7	80

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H

H	HEIGHT
HB	HYDRANT BOX
HC	HOLLOW CORE
HD	HOLDOWN, HAND DRYER
Hdr	HEADER
Hdwd	HARDWOOD
Hdwr	HARDWARE
Hex	HEXAGON, HEXAGONAL
HF	HOSE FAUCET
Hgr	HANGER
HIRH	HIGH INTENSITY RADIANT HEATER
HLF	COMBINATION HEAT/LIGHT/FAN
HM	HOLLOW METAL
HMA	HOT MIX ASPHALT
Horiz	HORIZONTAL
HP	HORSEPOWER, HEAT PUMP
HPS	HIGH PRESSURE SODIUM
hr	HOUR
HSB	HIGH STRENGTH BOLT
HSS	HOLLOW STRUCTURAL SECTION
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
Hwy	HIGHWAY
Hz	HERTZ

I

IACP	INTRUSION ALARM CONTROL PANEL
IC	IRRIGATION CONTROLLER
ICC	IRRIGATION CONTROLLER CABINET
ID	INSIDE DIAMETER
IE	INVERT ELEVATION
IFS	INTEGRATED FACILITY SYSTEM
IL	INDICATING LIGHT
in	INCH
Info	INFORMATION
Insul	INSULATION
Int	INTERIOR
IPS	INTERNATIONAL PIPE STANDARD
Irr	IRRIGATION
IR	INDUCTION RELAY
ISR	INTRINSICALLY SAFE RELAY
ISA	INTERNATIONAL SYMBOL OF ACCESSIBILITY
IWH	INSTANT WATER HEATER

J

Jan	JANITOR
JB	JUNCTION BOX
JH	JOIST HANGER
Jst	JOIST
Jt	JOINT

K

Kit	KITCHEN
KS	KITCHEN SINK
kV	KILOVOLT
kVA	KILOVOLT AMPERES
kW	KILOWATT

L

Lab	LABORATORY
Lav	LAVATORY
lb	POUND
LBF	POUND-FORCE
LC	LIGHTING CONTACTOR
LCD	LIQUID CRYSTAL DISPLAY
LCP	LIGHTING CONTROL PANEL
LD	LIGHT DISCONNECT
LDCI	LEAK DETECTOR CIRCUIT INTERRUPTER
LED	LIGHT EMITTING DIODE
LF	LINEAR FEET
LIRH	LOW INTENSITY RADIANT HEATING
LIS	LANDSCAPE IRRIGATION SYSTEM
Lkr	LOCKER
LL	LIQUID LEVEL RELAY
LLC	LIQUID LEVEL CONTROLLER
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOL	LAYOUT LINE
LP	LIGHT PANEL
LPG	LIQUIFIED PETROLEUM GAS
LPS	LOW PRESSURE SODIUM
LS	LIGHT SWITCH LAG SCREW
LT	LIGHT TRANSFORMER
Lt	LEFT
LTO	LIGHT TRANSFORMER OVERLOAD
LTPD	LIGHT TRANSFORMER PRIMARY DISCONNECT
LTSD	LIGHT TRANSFORMER SECONDARY DISCONNECT
LVL	LAMINATED VENEER LUMBER
Lvr	LOUVER
LWR	LOW WATER RELAY

M

mA	MILLIAMPERE
Man	MANUAL
Mas	MASONRY
Max	MAXIMUM
MB	MAIN BREAKER, MACHINE BOLT
Mbr	MEMBER
MBV	MOTORIZED BALL VALVE
MC	METALLIC CONDUIT
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MD	MOTOR DISCONNECT
MEA	MECHANICAL EXPANSION ANCHOR
Mech	MECHANICAL
Memb	MEMBRANE

M continued

Met	METAL
Mfd	MANUFACTURED
Mfr	MANUFACTURER
Mgr	MANAGER
MH	MANHOLE, MOUNTING HEIGHT
min	MINUTE(S)
Min	MINIMUM
Mir	MIRROR
Misc	MISCELLANEOUS
MIW	MALLEABLE IRON WASHER
MO	MASONRY OPENING
MR	MASTER RELAY/STARTER
MS	MOP SINK, MOTOR SAVER
MSB	MAIN SWITCHBOARD
MT	EMPTY CONDUIT
Mtd	MOUNTED
Mtl	MATERIAL
mts	MANUAL TRANSFER SWITCH
Mul	MULLION

N

(N)	NEW
N	NORTH, NEUTRAL
Nav	NAVIGATIONAL LIGHTS
NB	NORTHBOUND, NEUTRAL BUS
NC	NORMALLY CLOSE
ND	NAPKIN DISPOSAL
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
No.	NUMBER (must have period)
NO	NORMALLY OPEN
Nom	NOMINAL
Nos.	NUMBERS
NPT	NATIONAL PIPE THREAD
NST	NATIONAL STANDARD THREAD
NSW	NEUTRAL SWITCHING BREAKER

O

Obsc	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFD	OVERFLOW DRAIN
Off	OFFICE
OG	ORIGINAL GROUND
OH	OPPOSITE HAND, OVER HEIGHT, OVERHEAD
OHWS	OVAL HEAD WOOD SCREW
OIT	OPERATOR INTERFACE TERMINAL
OL	OVERLOAD
Opng	OPENING

O continued

Opp	OPPOSITE
Opt	OPTION, OPTIONAL
OSA	OUTSIDE AIR
OSB	ORIENTED STRAND BOARD

P

P	PITCH, POLE (CIRCUIT BREAKER)
PB	POST BASE, PULL BOX, PUSH BUTTON
PC	POST CAP
PCC	PORTLAND CEMENT CONCRETE
PCP	PUMP CONTROL PANEL
PCWP	PRE-COOL WATER PUMP
PCWR	PRE-COOL WATER RETURN
PCWS	PRE-COOL WATER SUPPLY
PD	PUMP DISCONNECT
PDF	POWDER DRIVEN FASTENER
PEC	PHOTOELECTRIC CONTROL
PEU	PHOTOELECTRIC UNIT
PFR	PHASE FAILURE RELAY
PFRD	PHASE FAILURE RELAY DISCONNECT
Ph	PHASE
PL	PILOT LIGHT
PLam	PLASTIC LAMINATE
PLC	PROGRAMMABLE LOGIC CONTROLLER
Plywd	PLYWOOD
PMF	PRESSED METAL FRAME
Pr	PAIR
Prefab	PREFABRICATED
Prtn	PARTITION
PRV	PRESSURE REDUCING VALVE
PS	POWER SUPPLY, PRESSURE SWITCH
psi	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
Pt	POINT
PTD	PAPER TOWEL DISPENSER
PTD/R	PAPER TOWEL DISPENSER WITH RECEPTACLE
PTS	POWER TRANSFER SWITCH
PV	PHOTOVOLTAIC
PVC	POLYVINYL CHLORIDE
PWB	PREFABRICATED WOOD I BEAM

Q

QT	QUARRY TILE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		59	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT Donald E. Alsey No. C-26676 07-31-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

STANDARD DRAWING

FILE NO. .	DESIGN	BY Donald Alsey	CHECKED Robert Travis	APPROVED RE Travis
DRAWING DATE 09-15	DETAILS	BY Robertino Quibin	CHECKED Robert Travis	DESIGN SUPERVISOR
	SUBMITTED BY	, DESIGN ENGINEER		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
ABBREVIATIONS | BUILDING ABBREVIATIONS 2 of 3

SHEET GI-2b

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
05-23-14	09-11-15							V2	8	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		60	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT Donald E. Alsey No. C-26676 07-31-27 RENEWAL DATE STATE OF CALIFORNIA

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PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

R

R	RADIUS, RISER
RA	RETURN AIR
R&D	REMOVE AND DISPOSE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN, RECEPTACLE DISCONNECT
RDO	ROOF DRAIN OVERFLOW PIPING
RD/O	ROOF DRAIN WITH OVERFLOW
Rdwd	REDWOOD
Recept	RECEPTACLE
Ref	REFERENCE
REF	ROOF EXHAUST FAN
Refg	REFRIGERATOR
Reg	REGISTER
Reinf	REINFORCED, REINFORCEMENT, REINFORCING
Rel	RELOCATED
Req	REQUIRED
Res	RESISTOR
Rfg	ROOFING
Rfswn	ROUGHSAWN
RH	ROUND HEAD, RADIANT HEATER
RHWS	ROUND HEAD WOOD SCREW
RIO	REMOTE INPUT/OUTPUT
RJ	ROOF JOIST
RLM	REDUNDANCY LINK MODULE
Rm	ROOM
RO	ROUGH OPENING
RPBP	REDUCED PRESSURE BACK FLOW PREVENTER
RPM	REVOLUTIONS PER MINUTE
RPU	RECYCLE PROCESS UNIT
Rt	RIGHT
Rte	ROUTE
RTB	RADIO TERMINAL BOARD
RV	RELIEF VALVE
RW	RETAINING WALL
R/W	RIGHT-OF-WAY
RWL	RAINWATER LEADER

S

S	SOUTH
SA	SUPPLY AIR
SB	SOUTHBOUND
SBM	STANDARD BENCH MARK
SC	SOLID CORE, STARTER COIL
Sch	SCHEDULE
SD	STORM DRAIN, SOAP DISPENSER, SERVICE DISCONNECT
SDS	SANITARY DUMP STATION
SDSTS	SELF DRILLING SELF TAPPING SCREW
Sec	SECOND(S)
SF	SUPPLY FAN
SFR	SEAL FAILURE RELAY
Sh	SHELF

S continued

Sht	SHEET
Shtg	SHEATHING
Shwr	SHOWER
Sim	SIMILAR
SL	SCORE LINE, SUMP LIGHT
SMS	SHEET METAL SCREW
SOHD	SECTIONAL OVERHEAD DOOR
SP	SEWAGE PIPE, STATIC PRESSURE
Spec	SPECIFICATIONS (s)
SPR	STANDBY POWER RECEPTACLE
SPS	STRUCTURAL PLYWOOD SHEATHING
Sq	SQUARE
sq ft	SQUARE FOOT, SQUARE FEET
SRRA	SAFETY ROADSIDE REST AREA
S/S	SERVICE SINK
SS	SANITARY SEWER, SELECTOR SWITCH
SST	STAINLESS STEEL
ST	STARTER
Sta	STATION
Stag	STAGGER(ED)
Std	STANDARD
Stl	STEEL
Str	STORAGE
Struc	STRUCTURAL
Susp	SUSPENDED
SV	SOLENOID VALVE
SWIM	SLOW WEIGH-IN-MOTION
Sym	SYMMETRICAL

T

T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TB	TERMINAL BLOCK
TC	TELEPHONE CABLE
TCV	TEMPERATURE CONTROL VALVE
TD	TRENCH DRAIN
TDR	TIME DELAY RELAY
Tel	TELEPHONE
Temp	TEMPORARY, TEMPERATURE
Ter	TERRAZZO
TGLS	TOGGLE SWITCH
Thk	THICK
Thld	THRESHOLD
TJ	TOOLED JOINT
Tkbd	TACKBOARD
TM	TIME METER
TN	TOE NAIL
TNVM	TAMPON/NAPKIN VENDING MACHINE
TOF	TOP OF FRAMING

T continued

TOP	TOP OF PAVEMENT
TOS	TOE OF SLOPE
Tot	TOTAL
TOW	TOP OF WALL
TS	TIMER SWITCH, TEMPERATURE SWITCH
TSCD	TOILET SEAT COVER DISPENSER
TSW	TEST SWITCH
TTB	TELEPHONE TERMINAL BOARD
TTD	TOILET TISSUE DISPENSER
TTD/ND	TOILET TISSUE DISPENSER/ NAPKIN DISPOSAL
TTY	TELETYPEWRITER
TU	TERMINAL UNIT
Typ	TYPICAL

U

UH	UNIT HEATER
UL	UNDERWRITERS LABORATORIES
Unf	UNFINISHED
UPS	UNINTERRUPTED POWER SUPPLY, UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
Ur	URINAL
UV	ULTRAVIOLET

V

V	VENT, VOLT(S)
Var	VARIABLE, VARIES
VAC	VOLTAGE ALTERNATING CURRENT
VDC	VOLTAGE DIRECT CURRENT
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE
VD	VOLUME DAMPER
Vert	VERTICAL
Vest	VESTIBULE
VFD	VARIABLE FREQUENCY DRIVE
VR	VENT RISER
VTR	VENT THROUGH ROOF

W

W	WEST, WATT, WIDTH, WATER
W/O	WITHOUT
WB	WESTBOUND,
WC	WATER CLOSET
W.C.	WATER COLUMN (must have periods)
Wd	WOOD
Wdw	WINDOW
WEF	WELDING EXHAUST FAN

W continued

WG	WATER GAUGE
WH	WALL HEATER
WHA	WATER HAMMER ARRESTOR
WIM	WEIGH-IN-MOTION
WLS	WATER LEVEL SWITCH
WP	WORKING POINT, WEATHERPROOF, WATER PIPE
WR	WATER RESISTANT
WS	WASH SINK
WSMS	WEIGH STATION MESSAGE SIGN
WSP	WELDED STEEL PIPE
Wt	WEIGHT
Wtpr	WATERPROOFING
WW	WASTEWATER
WWF	WELDED WIRE FABRIC

X

Xfmr	TRANSFORMER

Y

Yd	YARD

STANDARD DRAWING

FILE NO. .	DESIGN	BY Donald Alsey	CHECKED Robert Travis	APPROVED RE Travis
DRAWING DATE 09-15	DETAILS	BY Robertino Quibin	CHECKED Robert Travis	DESIGN SUPERVISOR
	SUBMITTED BY	, DESIGN ENGINEER		

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

WEST AVE. MAINTENANCE STATION UPGRADE

ABBREVIATIONS | BUILDING ABBREVIATIONS 3 of 3

SHEET GI-2c

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
05-23-14	09-11-15							V2	9	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		61	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT Donald E. Alsey No. C-26676 07-31-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

COMMON SYMBOLS

PLAN NORTH — PLAN NORTH ARROW

TRUE NORTH ARROW

GRID LINE INDICATOR (A / 1)

ELEVATION OR WORKING POINT

MATCH LINE

RM — ROOM NUMBER

(#) — KEYED NOTE CALLOUT

(X) — REVISION CALLOUT

PARTIAL SECTION CUT

FULL SECTION CUT

EXISTING FEATURES

CMU WALL ON PLAN VIEWS

CONCRETE

SAND

ORIGINAL GROUND

FREE DRAINING GRANULAR MATERIAL

BLOCKING IN SECTION OR ELEVATION

CONTINUOUS MEMBER IN SECTION

END OF MEMBER

GLUE LAMINATED MEMBER SECTION

SURFACE DRAINAGE

X (100.00) — EXISTING SPOT GRADE IN FEET

℄	CENTER LINE
$	STATION LINE
ℙ	STEEL PLATE
ø	DIAMETER OR PHASE
∠	ANGLE STEEL
⊞	SQUARE
@	AT
°	DEGREE
Δ	DELTA
±	PLUS OR MINUS

3 / ST-1 — DETAIL NUMBER OR NOTE NUMBER; 5b — ADDITIONAL REFERENCE (IF REQUIRED); SHEET NUMBER

4 — DETAIL NUMBER OR NOTE NUMBER; DRAWN ON SAME SHEET

ARCHITECTURAL SPECIFIC SYMBOLS

(D) — DOOR DESIGNATION

(X) — WINDOW DESIGNATION

L# — LOUVER DESIGNATION

(C) — COLOR DESIGNATION

(X##) — EQUIPMENT / FURNITURE DESIGNATION

SHADED ARROW INDICATES ELEVATION DRAWN

2A-X.X — SHEET

A / A — SECTION LETTER; SECTION DRAWN ON SAME SHEET

A — ELEVATION LETTER; ELEVATION DRAWN ON SAME SHEET

STRUCTURAL SPECIFIC SYMBOLS

BEARING WALL

SHEAR WALL

DROPPED SLAB ON PLAN VIEWS

STRUCTURE BACKFILL (SHOWN ON DETAIL)

STRUCTURE EXCAVATION (SHOWN ON DETAIL)

LIMITS OF STRUCTURE BACKFILL (SHOWN ON PLAN VIEWS)

X — BOTTOM OF FOOTING ELEVATION

HOLDOWN, Typ
Simpson / USP / Equal — (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)

FRAME CONNECTOR
Simpson / USP / Equal — (MANUFACTURERS ARE THOSE NOTED IN THE ORDER SHOWN)

X XXXX — LENGTH; SHEARWALL SCHEDULE SYMBOL; REFERENCE

STANDARD DRAWING					
FILE NO. .	DESIGN BY Donald Alsey	CHECKED Robert Travis	APPROVED RE Travis DESIGN SUPERVISOR	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN
DRAWING DATE 09-15	DETAILS BY Robertino Quibin	CHECKED Robert Travis			
	SUBMITTED BY , DESIGN ENGINEER				

BRIDGE No. 42M5725 POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SYMBOLS — BUILDING SYMBOLS 1of 3

SHEET GI-3a

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
05-27-14	09-11-15							V2	10	80

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SYMBOLS FOR ELECTRICAL WIRING AND PLAN LAYOUTS

SYMBOL	DESCRIPTION
⊙	POLE-TOP LIGHT FIXTURE
⊙—⊠	POLE-ARM LIGHT FIXTURE
CEILING (S) / WALL (S)	SURFACE FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
CEILING (R) / WALL (R)	RECESSED FLUORESCENT, METAL HALIDE, LED, OR SODIUM VAPOR FIXTURE
CEILING (X) / WALL (X)	EXIT LIGHT
▭	SURFACE OR PENDANT INDIVIDUAL FLUORESCENT OR LED FIXTURE
▭R	RECESSED INDIVIDUAL FLUORESCENT OR LED FIXTURE
▭▭▭	SURFACE OR PENDANT CONTINUOUS ROW FLUORESCENT OR LED FIXTURES
NOTE:	A LOWER CASE LETTER NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES THAT FIXTURE IS CONTROLLED BY A SIMILARLY MARKED SWITCH, AN ALPHA-NUMERIC SYMBOL NEAR GRAPHIC LIGHTING FIXTURE SYMBOL DENOTES FIXTURE TYPE, (F=FLUORESCENT, MH=METAL HALIDE, H=HIGH PRESSURE SODIUM VAPOR, L=LED), DESIGN TYPE, NUMBER OF LAMPS AND WATTAGE.
	EXAMPLE : (4) F2-2x32 — (4) NUMBER OF FIXTURES; F FLUORESCENT; 2 DESIGN TYPE; 2 LAMPS; 32 WATT LAMPS
▭	EMERGENCY LIGHTING FIXTURE WITH INTEGRAL BATTERY PACK
(J)	JUNCTION BOX
(D)	DROP CORD
⊖	SINGLE RECEPTACLE OUTLET
⊖	DUPLEX RECEPTACLE OUTLET
⊖(GFCI)	DUPLEX RECEPTACLE OUTLET (WITH GFCI)
⊖(GFCI) WP	DUPLEX RECEPTACLE OUTLET, WEATHERPROOF (WITH GFCI)
⊖C	CONTROLLED DUPLEX RECEPTACLE OUTLET
⊖△	SINGLE, SPECIAL PURPOSE RECEPTACLE OUTLET
(C)	CLOCK HANGER RECEPTACLE
▣	FLOOR SINGLE RECEPTACLE OUTLET
▣	FLOOR DUPLEX RECEPTACLE OUTLET
▣△	FLOOR SPECIAL PURPOSE OUTLET
▣◁	FLOOR TELEPHONE OUTLET
⊖◁◁	MULTI-FLOOR OUTLET, 2 OR MORE GANG
▮▮▮▮	MULTI-OUTLET ASSEMBLY
◁	COMMUNICATION OUTLET
◁	SOUND SYSTEM LOUD SPEAKER OUTLET
M	MICROPHONE OUTLET
(T)	THERMOSTAT
◀	RADIO OUTLET
▭◁	CAMERA

SYMBOL	DESCRIPTION
S	SINGLE-POLE SWITCH
S_2	DOUBLE-POLE SWITCH
S_3	THREE-WAY SWITCH
S_4	FOUR-WAY SWITCH
S_{CHLF}	TWO TIMER SWITCHES, ONE SWITCH FOR LIGHT AND FAN AND ONE SWITCH FOR HEAT LAMP
S_D	DIMMER SWITCH
S_{DTS}	DIGITAL TIMER SWITCH
S_F	FAN SWITCH
S_{HP}	MANUAL MOTOR STARTING SWITCH, WITHOUT OVERLOAD ELEMENT
S_K	KEY OPERATED SWITCH
S_1^O	OCCUPANCY SENSOR WALL SWITCH, SINGLE LEVEL
S_2^O	OCCUPANCY SENSOR WALL SWITCH, BI-LEVEL
S_T	MANUAL MOTOR STARTING SWITCH, THERMAL OVERLOAD TYPE
S_{WP}	WEATHERPROOF SWITCH
CHLF	COMBINATION HEAT, LIGHT, AND FAN UNIT
(TS)	TIMER SWITCH
⊡	PUSHBUTTON
⋮	PUSHBUTTON STATION MOTOR CONTROL
PS	PRESSURE SWITCH
R	CONTROL RELAY
FS	FLOW SWITCH
PEU	PHOTOELECTRIC UNIT
H	HAND DRYER
▬	FLUSH-MOUNTED PANELBOARD, PANEL OR CABINET
▬	SURFACE-MOUNTED PANELBOARD, PANEL OR CABINET
MC	MOTOR CONTROLLER
▭	DISCONNECT SWITCH
——	METAL CONDUIT CONCEALED IN CEILING OR WALL
------	METAL CONDUIT EMBEDDED IN FLOOR
—×—×—	CONDUIT EXPOSED
—//—	CROSS-LINES INDICATE NUMBER OF #12 AWG CONDUCTORS. LONGER CROSS-LINE INDICATES 1#12 AWG (G) FOR EQUIPMENT GROUNDING CONDUCTOR. NO CROSS-LINE INDICATES 2#12 WITH 1#12 (G) UNLESS OTHERWISE NOTED. ALL CONDUIT ½" 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) ½"C, PVC, 2#12	(2) NUMBER OF CONDUITS (NO NUMBER INDICATES ONE CONDUIT); ½" CONDUIT SIZE; C CONDUIT TYPE; 2#12 CONDUCTOR INFO (PER CONDUIT)
— MC —	CONDUIT, METAL, UNDERGROUND
— NM —	CONDUIT, NON-METALLIC, UNDERGROUND
- PVC - MC -	CONDUIT, PVC COATED RIGID STEEL, UNDERGROUND
∿∿∿	CONDUIT, FLEXIBLE
——○	CONDUIT, TURN UP
——●	CONDUIT, TURN DOWN
—▰—	CONDUIT SEAL, EXPLOSION-PROOF
—X—	CONDUIT, EXPANSION JOINT
——▶	ADAPTER, ONE TYPE CONDUIT TO ANOTHER
○	POLE
□	ELECTRICAL PULL BOX No. 5, UNLESS OTHERWISE INDICATED OR NOTED
	PULL BOX, ADDITIONAL DESIGNATIONS
#□	NUMBER ABOVE PULL BOX DESIGNATES ITS SIZE
	(T) TRAFFIC RATED PULL BOX
	(TR) TAMPER RESISTANCE PULL BOX
(OC)	OCCUPANCY SENSOR CEILING MOUNTED
(P)	OCCUPANCY SENSOR POWER PACK

FIRE ALARM DEVICES

SYMBOL	DESCRIPTION
P	MANUAL PULL STATION
AV	AUDIO/VISUAL ALARM DEVICE
(H)	HEAT DETECTOR
(S)	SMOKE DETECTOR
(DS)	DUCT SMOKE DETECTOR

INTRUSION DETECTION DEVICES

SYMBOL	DESCRIPTION
G	GLASS BREAK DISCRIMINATOR
(C)	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
(C)	MAGNETIC CONTACT SWITCH-VEHICLE DOOR
K	KEYPAD
W	COMBINATION DETECTOR (MICROWAVE/PASSIVE INFRARED)
CR	DIGITAL CARD READER
EH	ELECTRIFIED DOOR HINGE
EL	ELECTRIFIED LOCK SET

SYMBOLS FOR ELECTRICAL SCHEMATICS AND DIAGRAMS

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

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		62	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — Donald E. Alsey — No. C-26676 — 07-31-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

PROJECT NOTES

1. Separate grounded (neutral) conductor must be used for each 120-volt circuit.
2. Homeruns to panelboards must be installed as shown on the plans. Homeruns must not be combined.
3. A single insulated equipment grounding conductor, sized as required, must be installed in each conduit run with voltage greater than 50 V.
4. Refer to Standard Plans ES-1A, ES-1B and ES-1C for additional symbols and legends.

EXISTING WORK

SYMBOL	DESCRIPTION
⊢◯⊣	EXISTING FLUORESCENT FIXTURE-TO REMAIN
⊢⊠⊣	EXISTING FLUORESCENT FIXTURE-REMOVE
⊛	EXISTING INCANDESCENT FIXTURE-TO REMAIN
⊠	EXISTING INCANDESCENT FIXTURE-REMOVE
◯	EXISTING OUTLET-TO REMAIN
⊖	EXISTING RECEPTACLE OUTLET-TO REMAIN
⊠	EXISTING RECEPTACLE OUTLET-REMOVE
—E---E—	EXISTING CONDUIT AND CONDUCTORS-TO REMAIN
—×---×—	EXISTING CONDUIT AND CONDUCTORS-REMOVE
S	EXISTING SWITCH-TO REMAIN
⊠	EXISTING SWITCH-REMOVE
(J)	EXISTING JUNCTION BOX-TO REMAIN
⊠	EXISTING JUNCTION BOX-REMOVE
⬚	EXISTING PULL BOX

STANDARD DRAWING

FILE NO. .	DESIGN BY Donald Alsey	CHECKED Robert Travis	APPROVED R E Travis DESIGN SUPERVISOR
DRAWING DATE 02-20	DETAILS BY Robertino Quibin	CHECKED Robert Travis	
	SUBMITTED BY , DESIGN ENGINEER		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SYMBOLS — BUILDING SYMBOLS 2 OF 3

SHEET GI-3b

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
05-22-14	09-11-15	02-27-20						V2	11	80

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PIPE FITTING AND VALVE SYMBOLS

- CAP, THREADED
- ELBOW, TURNED DOWN
- ELBOW, TURNED UP
- EMERGENCY EYE WASH & SHOWER
- FLEXIBLE CONNECTION
- GAUGE COCK
- HOSE FAUCET
- MANUAL AIR VENT
- PIPE CONNECTION, TOP
- PIPE CONNECTION, BOTTOM
- PIPE CONNECTION, SIDE
- PRESSURE GAUGE (WITH VALVE AND SNUBBER)
- REDUCER, CONCENTRIC
- REDUCER, ECCENTRIC
- STRAINER
- THERMOMETER
- TRIPLE DUTY VALVE
- UNION
- UNION, INSULATING
- VALVE, BALL
- VALVE, BALANCING
- VALVE, BUTTERFLY
- VALVE, CHECK
- VALVE, 2-WAY CONTROL
- VALVE, GAS
- VALVE, GATE
- VALVE, SAFETY RELIEF
- VALVE, SOLENOID
- VALVE, PRESSURE REDUCING
- VALVE, PRESSURE/TEMPERATURE RELIEF
- VALVE, VENT
- WATER HAMMER ARRESTOR
- WATER METER

PLUMBING PIPING SYMBOLS

- COLD WATER
- HOT WATER
- HOT WATER RETURN
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CDWS — CONDENSER WATER SUPPLY
- CDWR — CONDENSER WATER RETURN
- HWS — HEATING HOT WATER SUPPLY
- HWR — HEATING HOT WATER RETURN
- A — COMPRESSED AIR
- D — EQUIPMENT DRAIN
- F — FIRE WATER
- FM — FORCE MAIN
- G — GAS
- L — LEACH LINES
- LPG — LIQUIFIED PETROLEUM GAS
- NPW — NON-POTABLE WATER
- R — RELIEF VALVE DISCHARGE PIPE
- RD — ROOF DRAIN
- RDL — RETURN DRAIN LINE
- S — SANITARY SEWER (BELOW GRADE, SITE UTILITY)
- V — VENT LINE
- W — WATER LINE

HVAC AND DUCTWORK SYMBOLS

- SUPPLY DUCT (UP, DOWN)
- RETURN DUCT (UP, DOWN)
- EXHAUST DUCT (UP, DOWN)
- OUTSIDE AIR DUCT (UP, DOWN)
- ROUND DUCT (UP, DOWN)
- FLEXIBLE DUCT CONNECTOR (VIBRATION ISOLATION)
- RECTANGULAR-TO-ROUND TRANSITION
- R — CHANGE OF ELEVATION - RISE IN DIRECTION OF FLOW
- D — CHANGE OF ELEVATION - DROP IN DIRECTION OF FLOW
- BALANCE DAMPER
- S — SMOKE DAMPER
- FS — FIRE/SMOKE DAMPER
- FLEXIBLE DUCT, ROUND
- RIGID TO FLEXIBLE CONNECTION
- SA — SUPPLY AIR
- RA — RETURN AIR
- EA — EXHAUST AIR
- OA — OUTSIDE AIR
- CFM / SIZE — EXHAUST GRILLE
- CFM / SIZE — RETURN GRILLE
- CFM / SIZE — SUPPLY DIFFUSER
- CFM / SIZE — SUPPLY REGISTER
- (H) HUMIDISTAT
- (T) THERMOSTAT, REMOTE CONTROLLER
- $(T)_C$ THERMOSTAT WITH CO_2 SENSOR
- (TS) TIME SWITCH
- (FE) FIRE EXTINGUISHER

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		63	289

Donald E. Alsey 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — Donald E. Alsey — No. C-26676 — 07-31-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

STANDARD DRAWING

FILE NO. .	DESIGN	BY Donald Alsey	CHECKED Robert Travis	APPROVED RE Travis
DRAWING DATE 06-16	DETAILS	BY Robertino Quibin	CHECKED Robert Travis	DESIGN SUPERVISOR
	SUBMITTED BY		, DESIGN ENGINEER	

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SYMBOLS — BUILDING SYMBOLS 3 OF 3

SHEET **GI-3c**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
05-27-14	09-11-15	06-16-16					V2	12	80

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FINISH SCHEDULE: INTERIOR

ROOM NUMBER	ROOM NAME	FLOOR						BASE		WALLS														CEILING			MISC					
										NORTH				EAST				SOUTH				WEST										
		SEALED CONCRETE	POLISHED CONCRETE	VINYL COMPOSITION TILE	STATIC DISSIPATIVE TILE	PORCELAIN TILE	CARPET	6" RESILIENT BASE	PORCELAIN TILE BASE	GYPSUM WALL BOARD	GYP./PLY. WALL BOARD	FRP O/GYP. WALL BD.	PORCELAIN TILE	GYPSUM WALL BOARD	GYP./PLY. WALL BOARD	FRP O/GYP. WALL BD.	PORCELAIN TILE	GYPSUM WALL BOARD	GYP./PLY. WALL BOARD	FRP O/GYP. WALL BD.	PORCELAIN TILE	GYPSUM WALL BOARD	GYP./PLY. WALL BOARD	FRP O/GYP. WALL BD.	PORCELAIN TILE	ACOUSTICAL CEILING TILE	GYPSUM WALL BOARD	EXPOSED CEILING	STRUCTURAL FRAMING	EXPOSED UTILITY ITEMS	PLASTIC LAMINATE (P)	OTHER MISCELLANEOUS	CEILING HEIGHT	REMARKS, SPECIAL CONDITIONS
101	TREE CREW REPAIR	F1						B1			W2				W2				W2				W2					C3						
102	TREE CREW ROOM		F2					B1		W1				W1				W1				W1				C1					P1	SS1	±10′-0"	
103	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
104	HALLWAY		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
105	JANITOR					F5			B2			W3				W3				W3				W3			C2						±8′-0"	
106	SHOWER					F5			B2				W4				W4				W4				W4		C2						±8′-0"	
107	MEN					F5			B2				W4				W4				W4				W4		C2					SS2	±9′-0"	
108	WOMEN					F5			B2				W4				W4				W4				W4		C2					SS2	±9′-0"	
109	IT CLOSET				F4			B1			W2				W2				W2				W2				C2						±10′-0"	
110	CREW ROOM 1		F2					B1		W1				W1				W1				W1				C1					P1	SS1	±10′-0"	
111	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
112	ELEC. ROOM	F1						B1		W1				W1				W1				W1					C2						±10′-0"	
113	CREW ROOM 2		F2					B1		W1				W1				W1				W1				C1					P1	SS1	±10′-0"	
114	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
115	STAFF SPACE		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
116	MATERIAL STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
117	STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
118	SIGN PRINTING	F1						B1			W2				W2				W2				W2					C3						
119	HALLWAY		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
120	SIGN STORAGE			F3				B1		W1				W1				W1				W1						C3						
121	SIGN FABRICATION	F1						B1			W2				W2				W2				W2					C3						
122	AUXILIARY SIGN PRINTING RM	F1						B1		W1				W1				W1				W1					C2						±11′-6"	
123	IT/DATA ROOM				F4			B1		W1				W1				W1				W1					C2						±10′-0"	
124	ELEC. ROOM	F1						B1		W1				W1				W1				W1					C2						±11′-6"	
125	BRIDAGE CREW STO./REPAIR	F1						B1			W2				W2				W2				W2					C3						
126	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
127	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
128	STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
129	BRIDGE CREW		F2					B1		W1				W1				W1				W1				C1					P1	SS1	±10′-0"	
130	HALLWAY		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
131	JANITOR					F5		B2				W3				W3				W3				W3			C2						±8′-0"	
132	SHOWER					F5		B2					W4				W4				W4				W4		C2						±8′-0"	
133	MEN					F5		B2					W4				W4				W4				W4		C2					SS2	±9′-0"	
134	WOMEN					F5		B2					W4				W4				W4				W4		C2					SS2	±9′-0"	
135	ELEC. ROOM	F1						B1		W1				W1				W1				W1					C2						±10′-0"	
136	HALLWAY		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
137	SUPERINTENDENT						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
138	SUPERINTENDENT						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
139	STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
140	KITCHEN		F2					B1		W1				W1				W1				W1				C1					P1	SS1	±10′-0"	
141	CREW ROOM		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
142	STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
143	PTINTER ALCOVE		F2					B1		W1				W1				W1				W1				C1							±10′-0"	
144	STORAGE			F3				B1		W1				W1				W1				W1					C2						±10′-0"	
145	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	
146	SUPERVISOR						F6	B1		W1				W1				W1				W1				C1							±10′-0"	

FINISHES

FLOOR

F1 CONCRETE W/ EPOXY HARDENER AND CHEMICALLY RESISTANT FLOOR SEALER.
COLOR: SEE INTERIOR FINISH SCHEDULE

F2 POLISHED CONCRETE
COLOR: SLATE GRAY

F3 VINYL COMPOSITION TILE (12" X 12")
COLOR: MANUFACTURER'S STANDARD PALETTE

F4 STATIC DISSIPATIVE TILE
COLOR: DARK GRAY

F5 RESTROOM PORCELAIN TILE (12" X 24")
COLOR: LIGHT GREY

F6 CARPET
COLOR: MANUFACTURER'S STANDARD PALETTE

BASE

B1 RESILIENT COVE BASE, 6" HIGH
SEE DETAIL 6,7/A9-12
COLOR: DARK GREY

B2 PORCELAIN TILE COVED BASE (6" X 12")
SEE DETAIL 1/A9-12
COLOR: MATCH FLOOR TILE

PLASTIC LAMINATES

P1 BREAK ROOM UPPER CASEWORK

SOLID SURFACE

SS1 BREAK ROOM SOLID SURFACE

SS2 RESTROOM SOLID SURFACE

WALLS

W1 GYPSUM WALL BOARD, PAINTED FINISH

W2 8′-0" HIGH PLYWOOD PANELING, GYPSUM WALL BOARD ABOVE, PAINTED FINISH

W3 FIBERGLASS REINFORCE PANEL OVER GYPSUM BOARD

W4 PORCELAIN TILE (12" X 24") OVER CEMENTITIOUS BOARD
COLOR: MATCH FLOOR TILE

CEILING

C1 ACOUSTIC CEILING TILE (24" X 48")

C2 GYPSUM BOARD, PAINTED
COLOR: SEE FINISH SCHEDULE

C3 EXPOSED FRAMING
METAL TRUSS: PAINTED FINISH

GROUT

G1 EPOXY GROUT SYSTEM

WALL COVER GUARDS

CG1 USE CORNER GUARDS, WHERE SHOWN ON INTERIOR ELEVATIONS; SURFACE-MOUNTED. 2" WIDE, USE TOP CAPS.
COLOR: CLEAR

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		64	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT
FRANK THOMAS
No. C31406
04-30-27
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
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

COLOR SCHEDULE NOTES

FLOOR

A. Flooring - Concrete w/ epoxy hardener and chemically resistant floor sealer

WALL CORNER GUARDS

B. Use corner guards on exposed corners. Clear, surface mounted, 2" wide, 5′-0" high, top caps

C. 5/8" / 1/2" thick gypsum wall board, painted

D. FRPP, see interior elevations for height

E. 5/8" / 1/2" Plywood panel, painted

F. Exposed framing

MISCELLANEOUS: PLASTIC LAMINATES

G. Plastic laminate for crew room cabinetry

H. Plastic laminate for crew room countertop

PLUMBING FIXTURES

RESTROOM

K Mop Sink - White vitreous china

M. Lavatory - White vitreous china

O. Water Closet - White vitreous china

P. Urinal - White vitreous china

NOTES

S. Exposed pipe and electrical conduit must be painted to match adjacent surfaces UON.

T. The finish of any material not listed will be selected by the engineer.

U. See the Special Provisions for the appropriate coatings system for each material to be coated.

V. All colors to be selected from the manufacturer's standard color palettes. All color palettes to be submitted to the Engineer for approval.

W. Carpet to be 24 inch sq tiles of nylon textured loop, 1/8" height, with flame resistance class 1 ASTM E-648.

X. All finishes, furnishings and materials must meet the minimum requirements of 2022 CBC/CFC Chapter 8 for flame spread and smoke development.

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SCHEDULE — INTERIOR FINISH SCHEDULE

SHEET A0-1.0

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	13	80

7-JUL-2025 16:52

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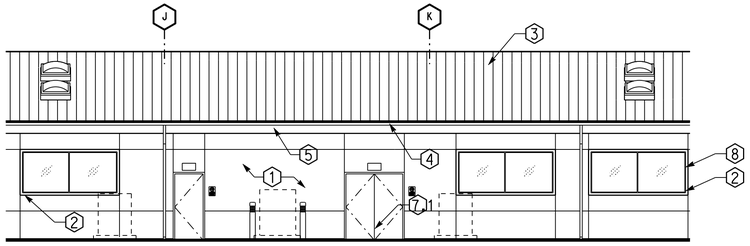
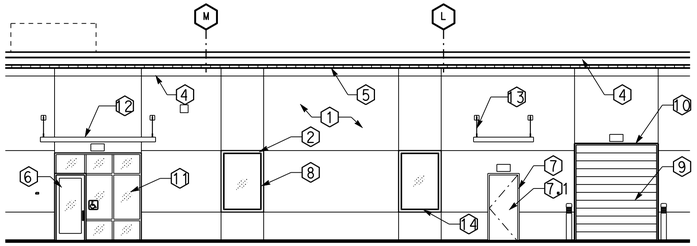


PARTIAL SOUTH ELEVATION COLOR CALLED OUT

NO SCALE



PARTIAL NORTH ELEVATION COLOR CALLED OUT

NO SCALE

ABBREVIATIONS

PVDF	Polyvinylidene Fluoride
MDO	Medium Density Overlay

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		65	289

LICENSED ARCHITECT — 07-22-24 DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

COLOR SCHEDULE NOTES

FLOOR

A. Flooring - Concrete w/ epoxy hardener and chemically resistant floor sealer

WALL CORNER GUARDS

B. Use corner guards on exposed corners. Clear, surface mounted, 2" wide, 5'-0" high, top caps

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X. All finishes, furnishings and materials must meet the minimum requirements of 2022 CBC/CFC Chapter 8 for flame spread and smoke development.

COLOR SCHEDULE

NOTE: COLOR NUMBERS LISTED BELOW ARE FEDERAL COLOR NUMBERS.

NEW MAINTENANCE STATION

EXTERIOR					INTERIOR			
NO.	ITEM	FINISH	COLOR	COLOR SCHEDULE NOTES	ITEM	FINISH	COLOR	COLOR SCHEDULE NOTES
					FLUID APPLIED URETHANE CEMENT RESINOUS	--	Mfr STANDARD COLORS	A
1	EIFS MAIN COLOR	Mfr	FEDERAL STANDARD 595C #37722		POLISH CONCRETE	--	Mfr STANDARD COLORS	
2	EIFS ACCENT COLOR (TRIM)	Mfr	FEDERAL STANDARD 595C #36424		RESILIENT BASE	RUBBER	FEDERAL STANDARD 595C #24091	
3	STANDING SEAM METAL ROOF	Mfr	FEDERAL STANDARD 595C #26280		GYPSUM WALL BOARD	MATTE	FEDERAL STANDARD 595C #27885	C & E
4	FASCIA	Mfr	FEDERAL STANDARD 595C #37722		FRPP	MATTE	Mfr STANDARD COLORS	D
5	ALUM. COMPOSITE SOFFIT BOARD	SEMI-GLOSS	FEDERAL STANDARD 595C #37722		CORNER GUARD	MATTE	Clear	B
6	STOREFRONT	Mfr	FEDERAL STANDARD 595C #34088		ACOUSTICAL CEILING PANEL	--	Mfr STANDARD COLORS	
7	DOOR FRAME	SEMI-GLOSS	FEDERAL STANDARD 595C #34088		GYPSUM BOARD CEILING	MATTE	FEDERAL STANDARD 595C #27885	
7,11	DOOR	SEMI-GLOSS	FEDERAL STANDARD 595C #34088		EXPOSED METAL STRUCTURAL ITEMS	SEMI-GLOSS	FEDERAL STANDARD 595C #25183	F
8	WINDOW FRAME	SEMI-GLOSS	FEDERAL STANDARD 595C #34088		PLASTIC LAMINATE COUNTERTOP	MATTE	FEDERAL STANDARD 595C #16376	G
9	COILING DOOR	SEMI-GLOSS	FEDERAL STANDARD 595C #37722	UON	PLASTIC LAMINATE CASEWORK	MATTE	FEDERAL STANDARD 595C #27885	H
10	COILING DOOR FRAME	SEMI-GLOSS	FEDERAL STANDARD 595C #37722		STOREFRONT AND STOREFRONT DOOR	PREF	DARK BROWN	
11	GLAZING		CLEAR		WINDOW FRAME	PREF	DARK BROWN	
12	MATEL CANOPY	Mfr	FEDERAL STANDARD 595C #34088		DOOR	SEMI-GLOSS	FEDERAL STANDARD 595C #27885	
13	MANTEL CANOPY ROD W/ CLEVIS	Mfr	FEDERAL STANDARD 595C #34088		DOOR FRAME	SEMI-GLOSS	FEDERAL STANDARD 595C #27885	
14	FLASHING	SEMI-GLOSS	MATCH ADJACENT WALL/TRIM COLOR		LOCKERS	--	FEDERAL STANDARD 595C #174773	
					LAVATORY/WATER CLOSET/URINAL/MOP SINK	--	- -	PLUMBING FIXTURES

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SCHEDULE: EXTERIOR FINISH SCHEDULE

SHEET A0-1.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	14	80

7-JUL-2025 16:52

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DOOR SCHEDULE

DOOR NO.	TYPE	LOCATION		DOOR SIZE			DOOR		FRAME		DETAILS			RATING		GLAZING	HW SET	SIGNAGE DETAIL	ILLUMINATED EXIT SIGN	REMARKS
		RM	NAME	WIDTH	HEIGHT	THICKNESS	MAT	FIN	MAT	FIN	HEAD	JAMB	THRESHOLD	FR RATING	ACOUST					
101A	A	101	TREE CREW REPAIR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5				1	1,2/A0-3.3	●	
101B	F	101	TREE CREW REPAIR	10' - 0"	8' - 6"	-	-	PREF			7/A9-6	6/A9-6	5/A9-6	-			-			
101C	A	101	TREE CREW REPAIR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40		6	1/A0-3.3		
102A	C	102	TREE CREW ROOM	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	6	1,2/A0-3.3	●	
103	C	103	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	7	1/A0-3.3		
104A	D	104	HALLWAY	3' - 0"	7' - 0"	2"	AL/GL	PREF	AL	PREF	1/A9-6	8/A9-6	11/A9-5	-		●	2	1,2/A0-3.3	●	
104B	D	104	HALLWAY	3' - 0"	7' - 0"	2"	AL/GL	PREF	AL	PREF	1/A9-6	8/A9-6	11/A9-5	-		●	3	1,2/A0-3.3	●	PANIC HARDWARE
105	B	105	JANITOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			11	1/A0-3.3		LOUVER AT BOTTOM
106	A	106	SHOWER	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			9	3,4/A0-3.3		
107	A	107	MEN	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			10	3,4/A0-3.3		
108	A	108	WOMEN	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			10	3,4/A0-3.3		
109	B	109	IT CLOSET	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 60		8	1/A0-3.3		LOUVER AT BOTTOM
110A	C	110	CREW ROOM 1	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40	●	6	1,2/A0-3.3	●	
110B	C	110	CREW ROOM 1	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40	●	6	1,2/A0-3.3	●	
111	C	111	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	7	1/A0-3.3		
112	B	112	ELECTRICAL CLOSET	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5				8	1/A0-3.3 1/A9-13		LOUVER AT BOTTOM
113A	C	113	CREW ROOM 2	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40	●	13	1,2/A0-3.3	●	PANIC HARDWARE
113B	C	113	CREW ROOM 2	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40	●	13	1,2/A0-3.3	●	PANIC HARDWARE
114	C	114	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	7	1/A0-3.3		
115	D	115	STAFF SPACE	3' - 0"	7' - 0"	2"	AL/GL	PREF	AL	PREF	1/A9-6	8/A9-6	11/A9-5	-		●	7	1,2/A0-3.3	●	
116	B	116	MATERIAL STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			11	1/A0-3.3		LOUVER AT BOTTOM
117	B	117	STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			11	1/A0-3.3		LOUVER AT BOTTOM
118A	E	118	SIGN PRINTING	6' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-			12	1,2/A0-3.3	●	
118B	A	118	SIGN PRINTING	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-		●	6	2/A0-3.3	●	
118C	F	118	SIGN PRINTING	10' - 0"	8' - 6"	-	-	PREF			7/A9-6	6/A9-6	5/A9-6	-			-			
119	A	119	HALLWAY	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5	-			4	2/A0-3.3	●	PANIC HARDWARE
120	F	120	SIGN STORAGE	10' - 0"	8' - 6"	-	-	PREF			7/A9-6	6/A9-6	5/A9-6	-			-			
121A	A	121	SIGN FABRICATION	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5	-			1	1,2/A0-3.3	●	
121B	F	121	SIGN FABRICATION	10' - 0"	8' - 6"	-	-	PREF			7/A9-6	6/A9-6	5/A9-6	-			-			
122A	A	122	AUXILIARY SIGN PRINTING ROOM	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			1	1,2/A0-3.3	●	
122B	F	122	AUXILIARY SIGN PRINTING ROOM	10' - 0"	8' - 6"	-	-	PREF		P	5/A9-13	6/A9-6	5/A9-6	-			-			
123	A	123	IT/DATA ROOM	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5	-			1	1,2/A0-3.3	●	
124	E	124	ELECTRICAL ROOM	6' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5				5	1/A0-3.3 1/A9-13	●	PANIC HARDWARE
124A	A	124	ELECTRICAL ROOM	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	90			14	1/A0-3.3 1/A9-13	●	PANIC HARDWARE
125A	A	125	BRIDGE CREW /STO/REPAIR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-			6	1/A0-3.3		
125B	A	125	BRIDGE CREW /STO/REPAIR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	2/A9-5	3/A9-5	1/A9-5	-			1	1,2/A0-3.3	●	
125C	F	125	BRIDGE CREW /STO/REPAIR	10' - 0"	8' - 6"	-	-	PREF			7/A9-6	6/A9-6	5/A9-6	-			-			
126	C	126	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	7	1/A0-3.3		
127	C	127	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-	STC 40	●	7	1/A0-3.3		
128	B	128	STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			11	1/A0-3.3		LOUVER AT BOTTOM
129	C	129	BRIDGE CREW	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-	STC 40	●	6	1,2/A0-3.3	●	
130A	D	130	HALLWAY	3' - 0"	7' - 0"	2"	AL/GL	PREF	AL	PREF	1/A9-6	8/A9-6	11/A9-5	-		●	2	1,2/A0-3.3	●	
130B	C	130	HALLWAY	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5	-		●	6	1,2/A0-3.3	●	
131	B	131	JANITOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			11	1/A0-3.3		LOUVER AT BOTTOM

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		66	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 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.

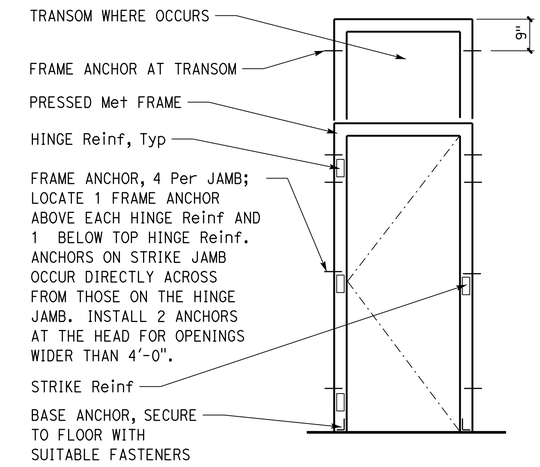
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25

NOTES

1. PRESSED METAL FRAME (PMF) IS EQUIVALENT TO COLD-FORMED STEEL (CFS).
2. FIELD VERIFY DOOR, WINDOW, LOUVER AND WALL OPENINGS BEFORE FABRICATIONS.
3. SEE DETAIL 1/A0-1.2 FOR TYPICAL DOOR FRAME ANCHORAGE.
4. PROVIDE TACTILE EXIT SIGN PER DETAIL 2/A0-3.3 & ISA SIGN 6/A0-3.3 WITH SIGN LOCATION PER DETAIL 5/A0-3.3
5. ALL DOOR SIGN LOCATIONS PER DETAIL 5/A0-3.3
6. ALL RATED DOORS ARE TO BE POSITIVE LATCHING AND SELF-CLOSING, 2022 CBC SECTION 715.4.8.
7. "LABEL" MUST MEAN "FIRE ASSEMBLY" AS DEFINED IN 2022 CBC SECTION 715.4.6.
8. FIRE DOORS AND FIRE WINDOWS MUST HAVE AN APPROVED LABEL OR LISTING MARK INDICATING THE FIRE-PROTECTION RATING, WHICH IS PERMANENTLY AFFIXED AT THE FACTORY WHERE FABRICATION AND ASSEMBLY AND DONE, 2022 CBC SECTION 715.4.6.1, AND SECTION 715.4.7.3.1.
9. FIRE-RATED DOOR FRAMES MUST BE INSTALLED STRICTLY PER MANUFACTURER'S PRINTED INSTRUCTIONS. MANUFACTURER'S PRINTED INSTRUCTIONS MUST BE MADE AVAILABLE TO THE INSPECTING AUTHORITIES, 2022 CBC SECTION 715.4.5.4.
10. RESTROOM SIGN & ID SYMBOL PER 3B & 4B/A0-3.3. RESTROOM SIGN & ID SYMBOL PER 3C & 4C/A0-3.3



1 DOOR FRAME ANCHORAGE
NOT TO SCALE

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
SCHEDULE — DOOR SCHEDULE

SHEET **A0-1.2**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	15	80

7-JUL-2025 16:52

C:\Users\s155715\OneDrive - California Department of Transportation_Job Folders\BOE\06-0X430 w Samira\7.7.2025\Arch\DGN\a0_1_2_door schedule.dgn

DOOR SCHEDULE

DOOR NO.	TYPE	LOCATION		DOOR SIZE			DOOR		FRAME		DETAILS			RATING		GLAZING	HW SET	SIGNAGE DETAIL	ILLUMINATED EXIT SIGN	REMARKS
		RM	NAME	WIDTH	HEIGHT	THICKNESS	MAT	FIN	MAT	FIN	HEAD	JAMB	THRESHOLD	FR RATING	ACOUST					
132	A	132	SHOWER	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5	-			9	3,4/A0-3.3		
133	A	133	MEN	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5				10	3,4/A0-3.3		
134	A	134	WOMEN	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5				10	3,4/A0-3.3		
135	B	135	ELECTRICAL CLOSET	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5				8	1/A0-3.3 1/A9-13		LOUVER AT BOTTOM
136A	D	136	HALLWAY	3' - 0"	7' - 0"	2"	AL/GL	PREF	AL	PREF	1/A9-6	8/A9-6	11/A9-5			●	2	1,2/A0-3.3	●	
137	C	137	SUPERINTENDENT	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5		STC 45	●	7	1/A0-3.3		
138	C	137	SUPERINTENDENT	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5		STC 45	●	7	1/A0-3.3		
139	B	139	STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5				11	1/A0-3.3		LOUVER AT BOTTOM
141	C	141	CREW ROOM	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	6/A9-5		STC 40	●	6	1,2/A0-3.3	●	
142	B	142	STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5				11	1/A0-3.3		LOUVER AT BOTTOM
144	B	144	STORAGE	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5				11	1/A0-3.3		LOUVER AT BOTTOM
145	C	145	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5		STC 40	●	7	1/A0-3.3		
146	C	146	SUPERVISOR	3' - 0"	7' - 0"	1 3/4"	HM	P	PMF	P	8/A9-5	8/A9-5	4/A9-5		STC 40	●	7	1/A0-3.3		

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		67	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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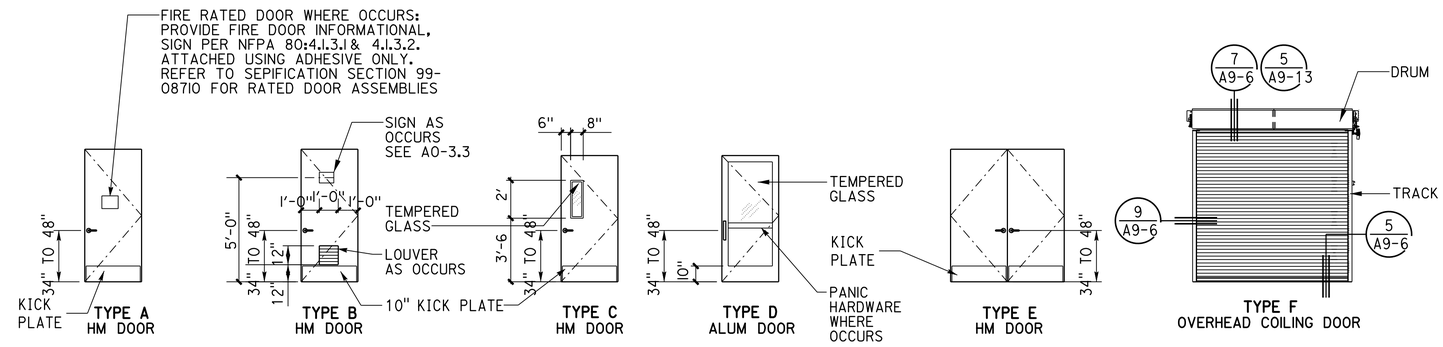
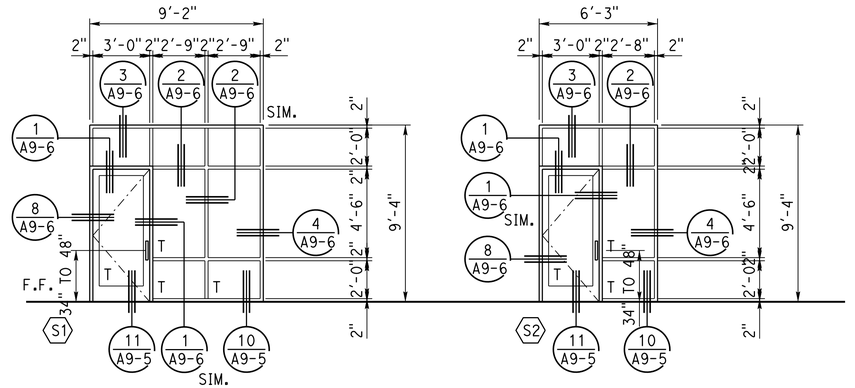
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

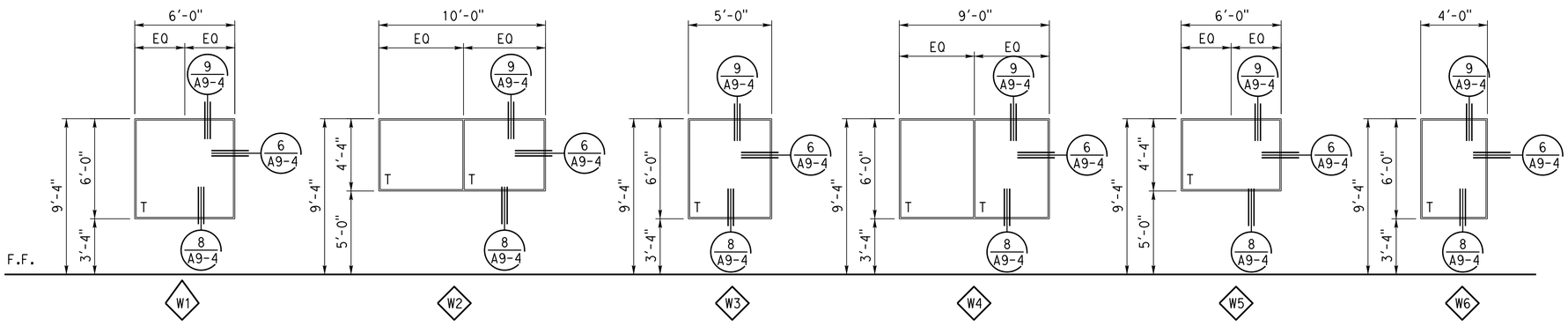
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



DOOR TYPE



STOREFRONT SYSTEM



WINDOW TYPE AND SCHEDULE

DOOR NOTES

1. ALL Ext DOORS TO HAVE A DOOR TOP. SEE 5/A9-5
2. KICK PLATES TO BE INSTALLED ON PUSH SIDE OF DOORS

WINDOW NOTES

1. PROVIDE WINDOW ROLLER SHADE FOR ROOM 102, 103, 110,111,113, 114, 126,127, 129, 137,138, 141, 145,146

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	DIVISION OF ENGINEERING SERVICES — ARCHITECTURAL AND STRUCTURAL DESIGN
QUANTITIES	BY	CHECKED	

BRIDGE No. 42M5725 — POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SCHEDULE — DOOR, STOREFRONT AND WINDOW SCHEDULE

SHEET **A0-1.3**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	16	80

7-JUL-2025 16:52

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		68	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

REMOVAL SITE PLAN NOTES

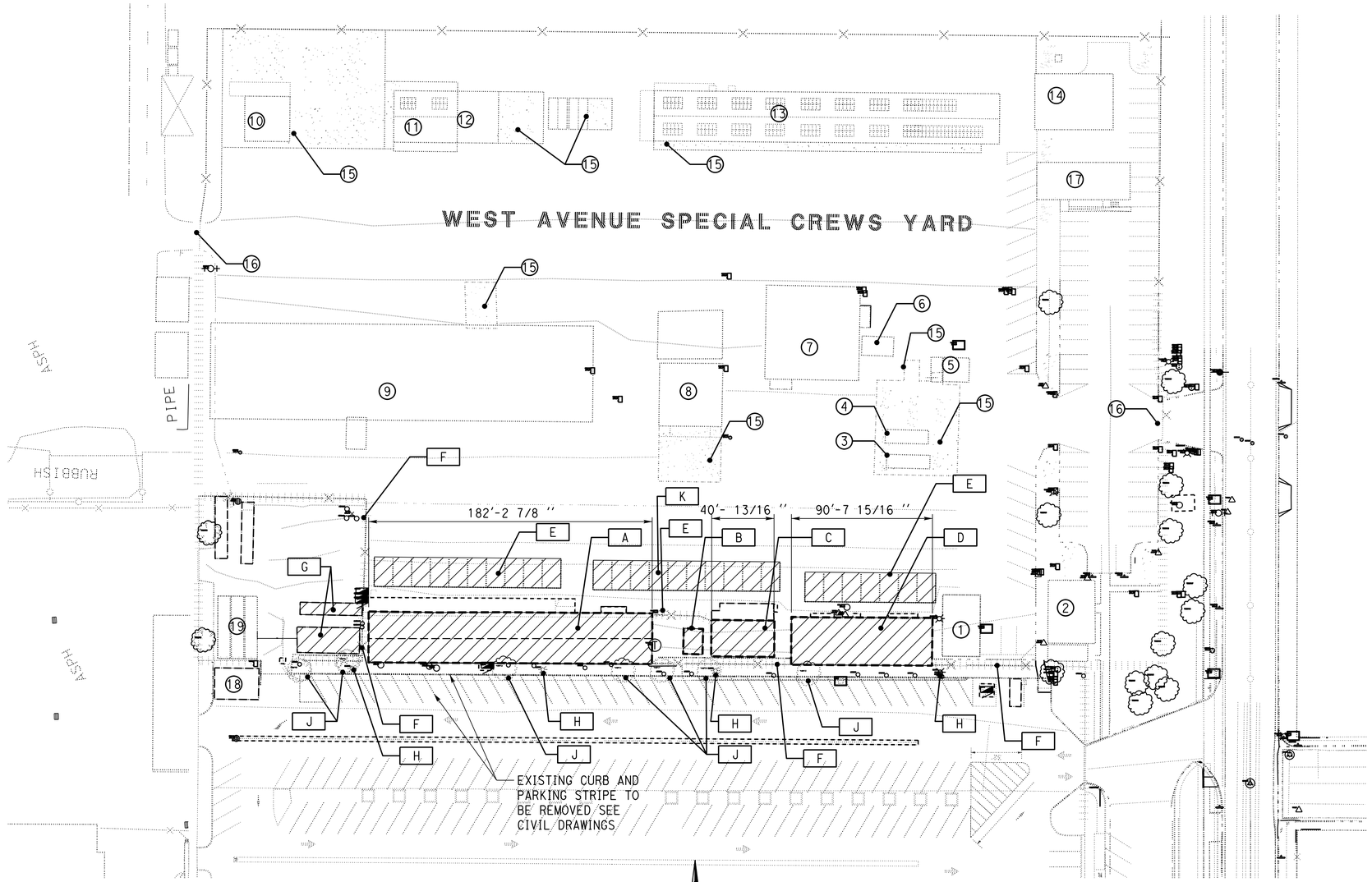
SEE CIVIL SHEETS FOR ROADWAY EXCAVATION, PAVEMENT, FENCE, SIDEWALK, CURBS, AND OTHER IMPROVEMENT REQUIREMENT OUTSIDE BUILDING LIMITS WHICH IS NOT COVERED BY ARCHITECTURE , MECHANICAL, STRUCTURE, ELECTRICAL, WATER, AND WASTEWATER PLANS, SITE IMPROVEMENT REQUIREMENT, AND EARTH FILL REQUIREMENT.

EXISTING MAINTENANCE BUILDING B,C,D,E,F ARE ALL TO BE DEMOLISHED DOWN INCLUDING FOOTINGS. ALL RELATED ELEMENTS MUST BE DEMOLISHED TO A DEPTH OF FIVE FEET SIX INCHES BELOW GRADE, BACK FILL WITH EARTH TO EXISTING FINISHED GRADE, SEE STRUC SHEETS.

ALL ELECTRICAL, MECHANICAL, AND PLUMBING WITHIN THE LIMITS OF THE EXISTING MAINTENANCE BUILDING DEMOLITION NOT SCHEDULED TO BE SALVAGED MUST BE DEMOLISHED. ALL ABANDONED UTILITIES MUST BE CAPPED OR REMOVED AS REQUIRED BY THE UTILITY COMPANIES. SEE ELECTRICAL, MECH, SITE ELECTRICAL, AND CIVILSHEETS FOR ADDITIONAL REQUIREMENTS.

HAZARDOUS-MATERIAL SURVEY OF THE EXISTING MAINTENANCE BUILDING FOR REMOVAL IS AVAILABLE FOR THE CONTRACTOR'S REFERENCE. ALL HAZARDOUS-MATERIAL IS TO BE REMOVED AND/OR ENCAPSULATED IN COMPLIANCE WITH THE STATE AND FEDERAL REGULATIONS.

THE CONTRACTOR MUST SCHEDULE APPROPRIATE SEQUENCING OF HAZARDOUS-MATERIALS REMOVAL AND/OR ENCAPSULATION WITH RESPECT TO DEMOLITION ACTIVITIES. THE CONTRACTOR MUST PRESENT THIS SCHEDULE FOR REVIEW AND APPROVAL BY THERESIDENT ENGINEER TWO WEEKS PRIOR TO COMMENCEMENT OFDEMOLITION OPERATIONS.



REMOVAL SITE PLAN

SCALE 1" = 40'-0"

LEGEND

- A — (E) BUILDING D,E,F TO BE DEMOLISHED, SEE SHEET AO-2.3 AND AO-2.4 SFM PERMIT NO: 24-S-4748
- B — (E) TUFF SHED TO BE DEMOLISHED, SEE SHEET AO-2.6 SFM PERMIT NO: 24-S-4747
- C — (E) BUILDING C TO BE DEMOLISHED, SEE SHEET AO-2.5 SFM PERMIT NO: 24-S-4746
- D — (E) BUILDING B TO BE DEMOLISHED, SEE SHEET AO-2.1 AND AO-2.2 SFM PERMIT NO: 24-S-4733
- E — (E) PARKING STALLS TO BE REMOVED
- F — (E) PARTIAL FENCE TO BE REMOVED
- G — (E) CONTAINER TO BE REMOVED
- H — (E) LIGHTING TO BE RELOCATED PER CIVIL DRAWINGS
- J — (E) TREE TO BE REMOVED
- K — (E) LIGHTING TO BE REMOVED

1. (E) BUILDING CC - OFFICE TRAILER TO REMAIN (UNDER SEPARATE PERMIT)
2. (E) BUILDING A - OFFICES TO REMAIN
3. (E) ABOVE GROUND GAS TANK TO REMAIN
4. (E) UNLEADED TO REMAIN
5. (E) FUEL SHED TO REMAIN
6. (E) TUFF SHED TO REMAIN
7. (E) ELECTRICAL SHOP TO REMAIN
8. (E) WAREHOUSE TO REMAIN
9. (E) POLE BARN/COVERED STORAGE TO REMAIN
10. (E) STORM WATER TO REMAIN
11. (E) WASHRACK SHED TO REMAIN
12. (E) WASHRACK TO REMAIN
13. (E) METAL SHOP/ WAREHOUSE/STORAGE TO REMAIN
14. (E) TRIPLE WIDE OFFICE TRAILER TO REMAIN
15. (E) CONCRETE PAD TO REMAIN
16. (E) FENCE TO REMAIN
17. (E) CLEAN CA TRAILER TO REMAIN
18. (E) STORAGE BUILDING TO REMAIN
19. (E) CONTAINER TO REMAIN

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			SITE PLAN

WEST AVE. MAINTENANCE STATION UPGRADE — REMOVAL SITE PLAN — SHEET A0-2.0

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 17 | 80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		69	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
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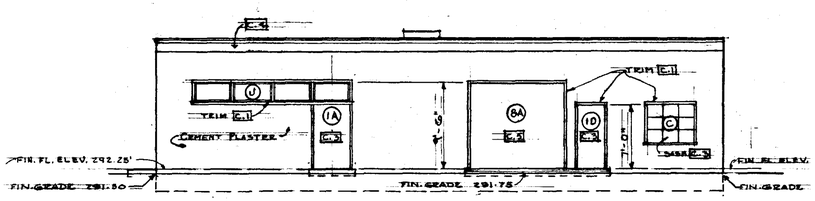
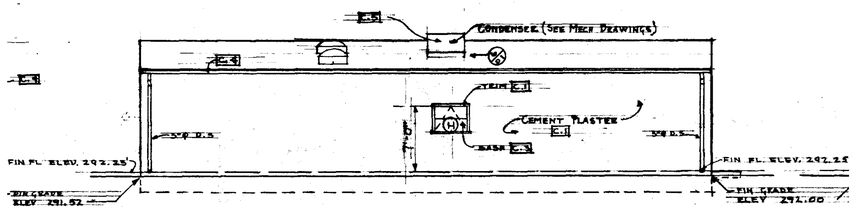
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



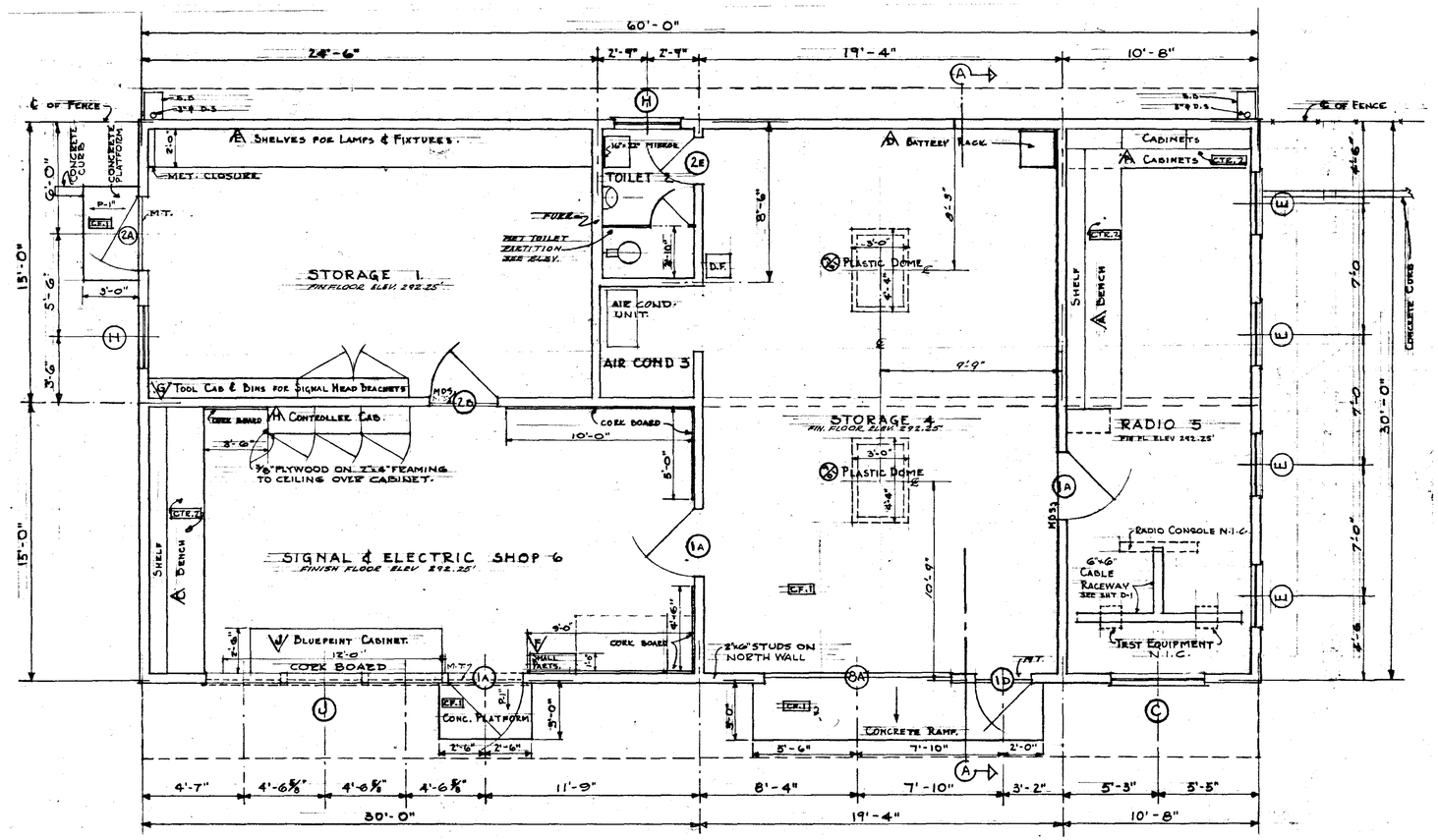
2 NORTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



3 SOUTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



1 BUILDING B FLOOR PLAN REMOVAL

SCALE 1/4" = 1'-0"

CSFM PERMIT #24-S-4733

NOTE:

FIELD VERIFY FOR EXACT QUANTITY OF DEMOLITION WORK. VERIFY WITH OWNER THE MATERIALS OR APPLIANCES TO BE SAVED FOR REUSE.

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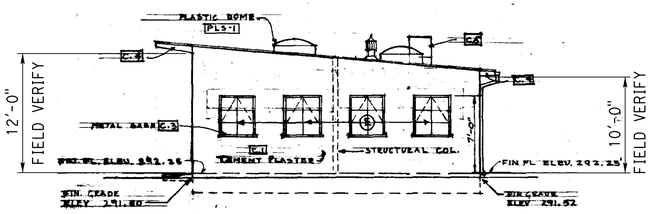
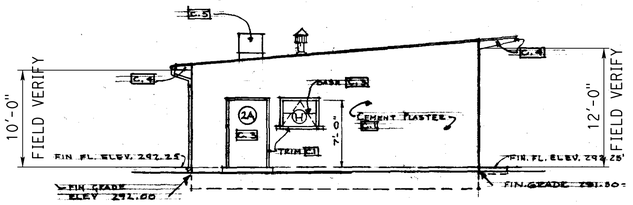


4 WEST ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



5 EAST ELEVATION REMOVAL

SCALE 1/8" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	REMOVAL PLAN: BUILDING B REMOVAL PLAN AND ELEVATIONS
QUANTITIES	BY	CHECKED				SHEET A0-2.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 18 | 80

7-JUL-2025 16:52

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		70	289

LICENSED ARCHITECT — DATE 07-22-24

LICENSED ARCHITECT FRANK THOMAS No. C31406 RENEWAL DATE 04-30-27 STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

NOTE:

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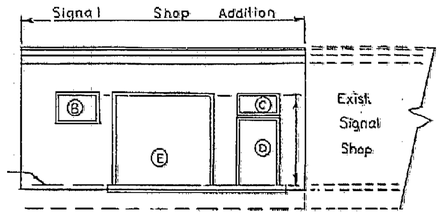
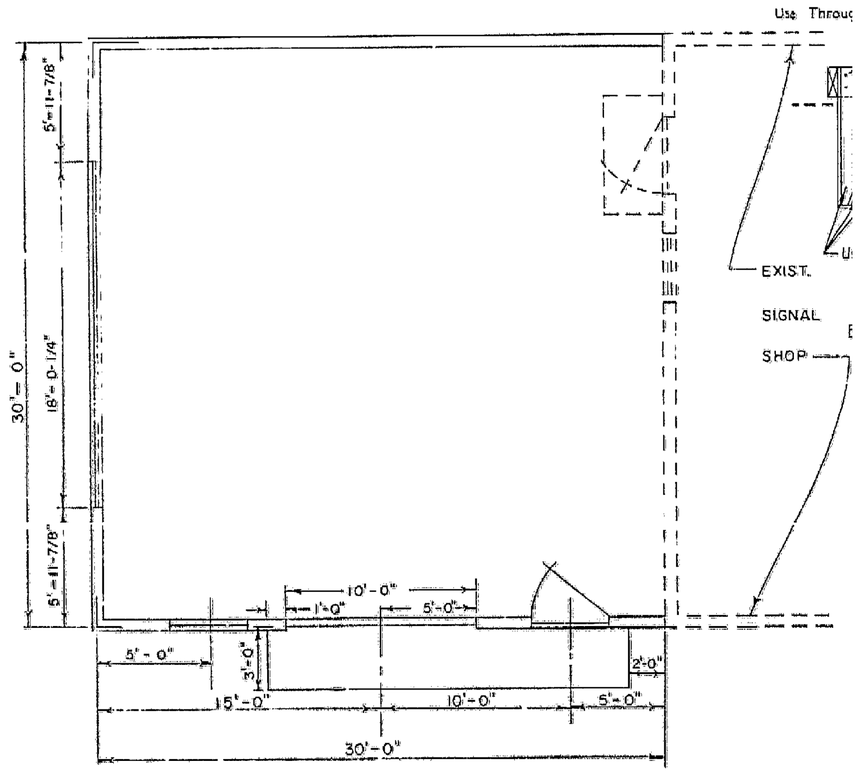


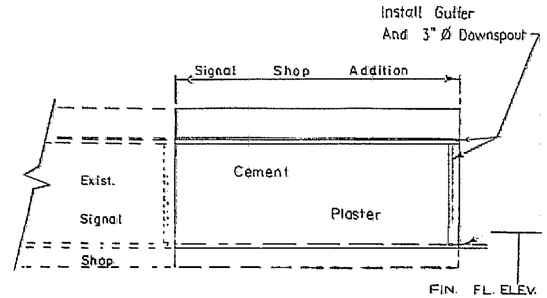
2 NORTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



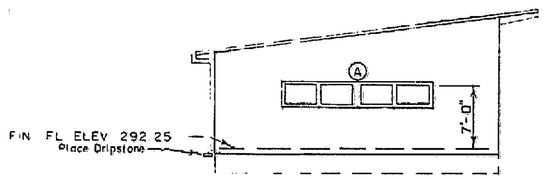
1 BUILDING B FLOOR PLAN REMOVAL

SCALE 1/4" = 1'-0"



3 SOUTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



5 EAST ELEVATION REMOVAL

SCALE 1/8" = 1'-0"

CSFM PERMIT #24-S-4733

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A0-2.2		
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	REMOVAL PLAN	BUILDING B REMOVAL PLAN AND ELEVATIONS			
QUANTITIES	BY	CHECKED				REVISION DATES (PRELIMINARY STAGE ONLY)		VERSION	SHEET	OF
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3				UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →			V2	19	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:52

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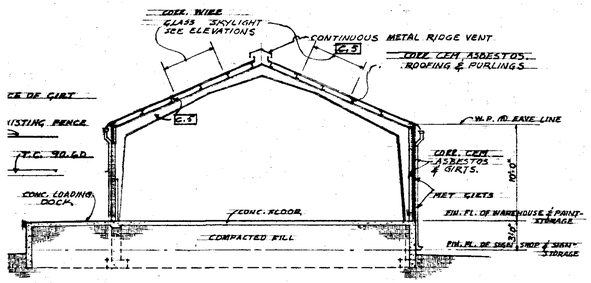
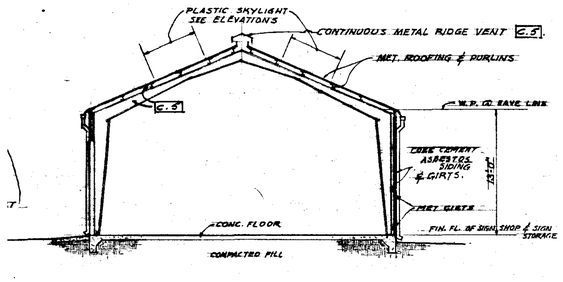


2 SECTION A-A REMOVAL

SCALE 1/8" = 1'-0"



3 SECTION B-B REMOVAL

SCALE 1/8" = 1'-0"

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LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
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LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
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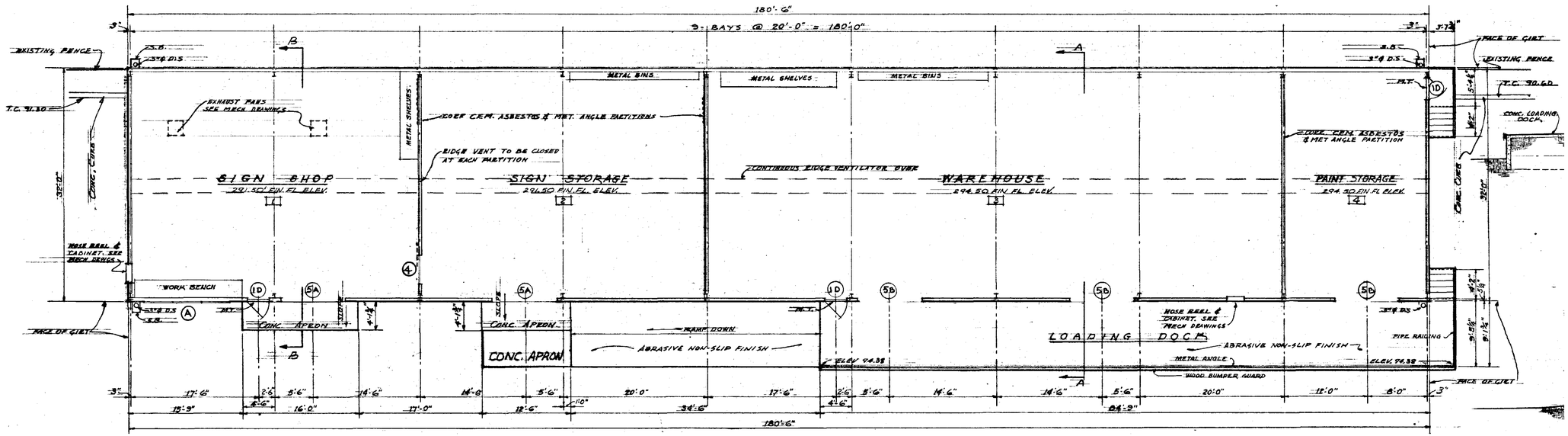
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 BUILDING D,E,F FLOOR PLAN REMOVAL

SCALE 1/8" = 1'-0"

CSFM PERMIT #24-S-4748

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

REMOVAL PLAN — BUILDING D,E,F REMOVAL PLAN AND SECTIONS

SHEET **A0-2.3**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	20	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:52

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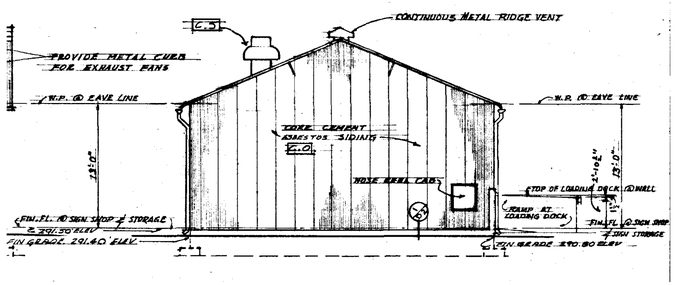
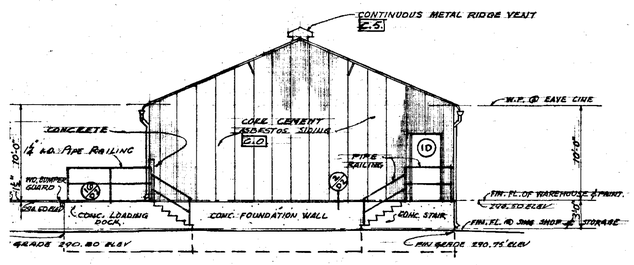


3 EAST ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



4 WEST ELEVATION REMOVAL

SCALE 1/8" = 1'-0"

NOTE:

FIELD VERIFY FOR EXACT QUANTITY OF DEMOLITION WORK. VERIFY WITH OWNER THE MATERIALS OR APPLIANCES TO BE SAVED FOR REUSE.

HAZARDOUS-MATERIAL SURVEY OF THE EXISTING MAINTENANCE BUILDING FOR REMOVAL IS AVAILABLE FOR THE CONTRACTOR'S REFERENCE. ALL HAZARDOUS-MATERIAL IS TO BE REMOVED AND/OR ENCAPSULATED IN COMPLIANCE WITH THE STATE AND FEDERAL REGULATIONS.

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		72	289

Frank Thomas 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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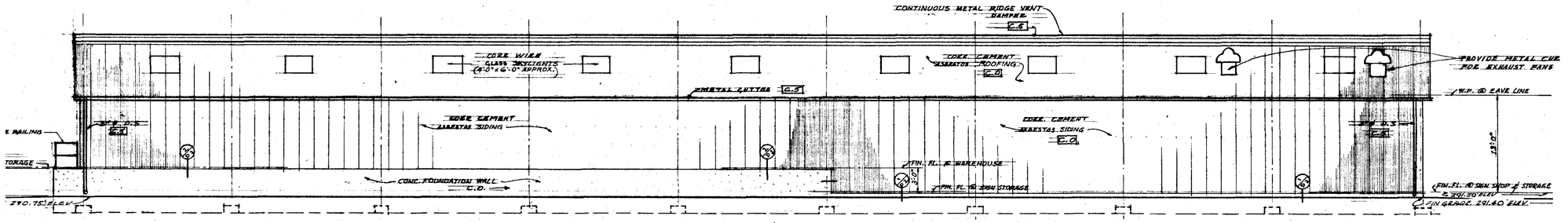
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

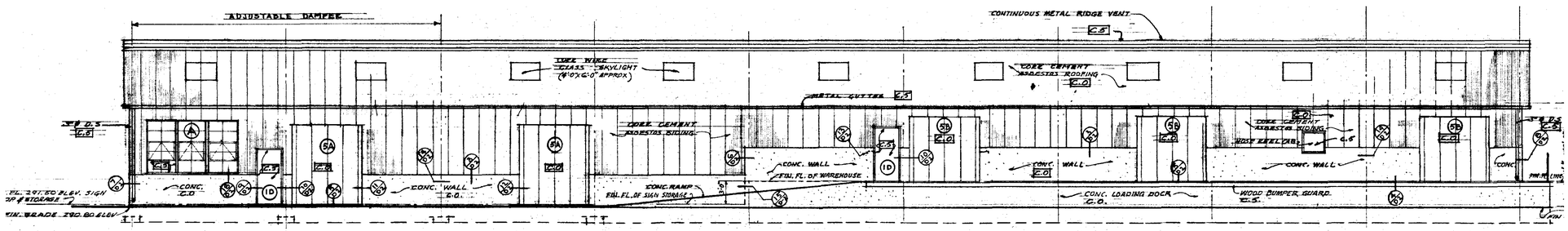
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



2 SOUTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"



1 NORTH ELEVATION REMOVAL

SCALE 1/8" = 1'-0"

CSFM PERMIT #24-S-4748

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A0-2.4
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	REMOVAL PLAN	BUILDING D,E,F REMOVAL ELEVATIONS	
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION V2	SHEET 21	OF 80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

7-JUL-2025 16:52

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		73	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT
FRANK THOMAS
No. C31406
04-30-27
RENEWAL DATE
STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

NOTE:

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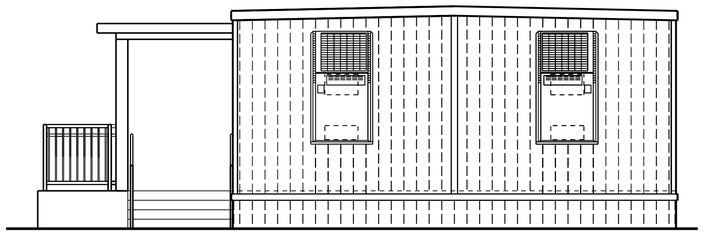
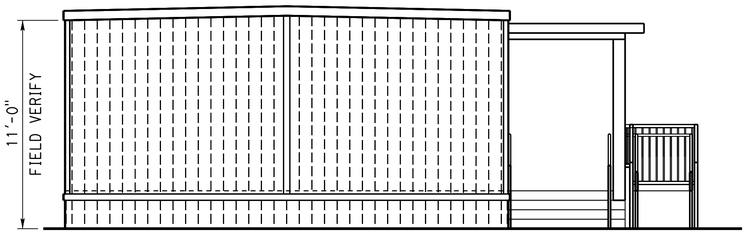


3 WEST ELEVATION REMOVAL

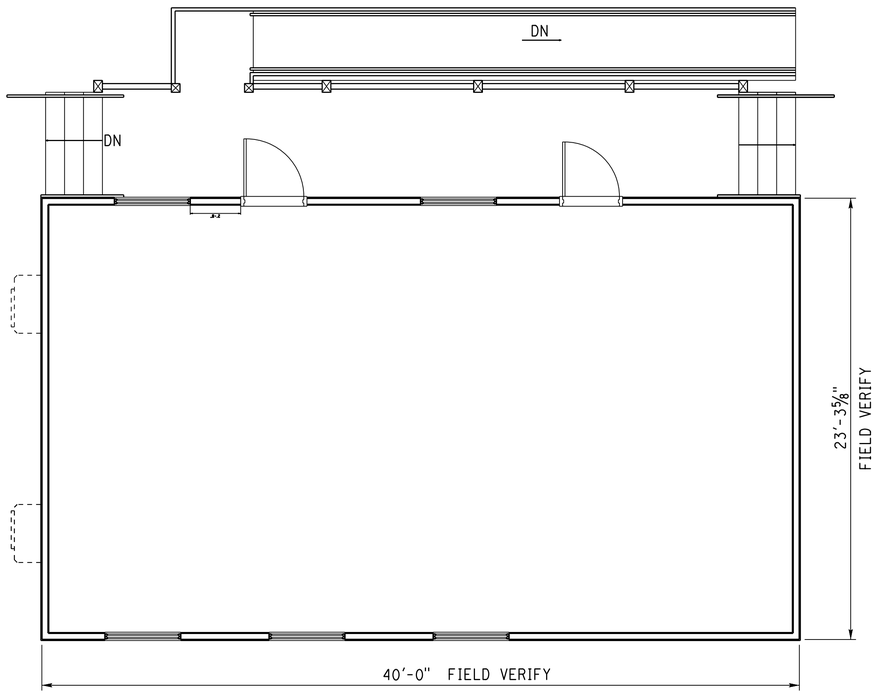
SCALE 1/4" = 1'-0"



4 EAST ELEVATION REMOVAL

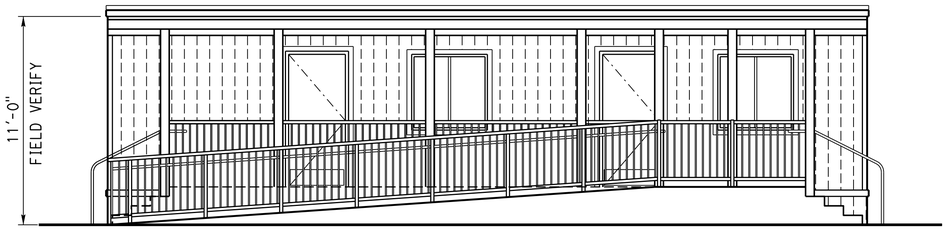
SCALE 1/4" = 1'-0"

CSFM PERMIT #24-S-4746



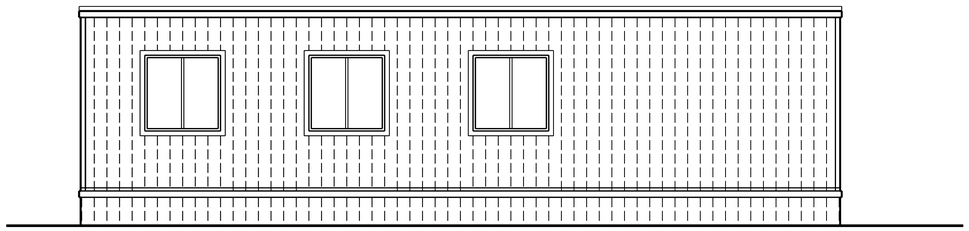
1 BUILDING C FLOOR PLAN REMOVAL

SCALE 1/4" = 1'-0"



5 NORTH ELEVATION REMOVAL

SCALE 1/4" = 1'-0"



2 SOUTH ELEVATION REMOVAL

SCALE 1/4" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A0-2.5
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	REMOVAL PLAN AND ELEVATIONS	BUILDING C REMOVAL PLAN AND ELEVATIONS	
QUANTITIES	BY	CHECKED						

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	22	80

7-JUL-2025 16:52

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		74	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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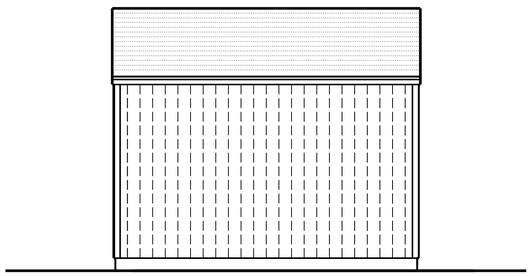
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

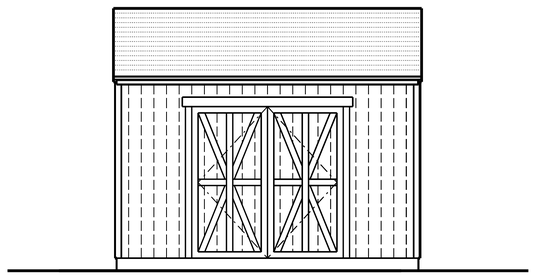
PROJECT ID
0618000065

Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25



3 EAST ELEVATION REMOVAL

SCALE 1/4" = 1'-0"



4 WEST ELEVATION REMOVAL

SCALE 1/4" = 1'-0"

NOTE:

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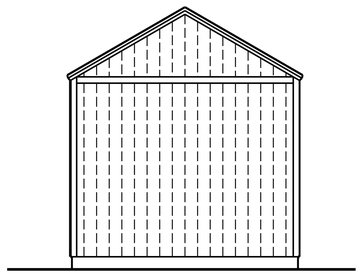
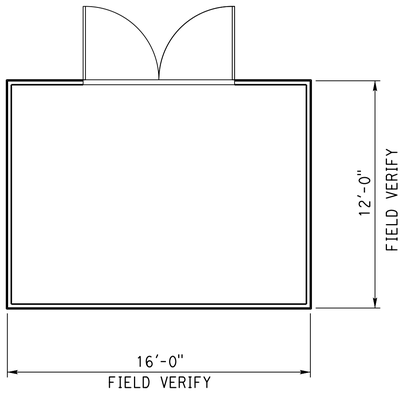


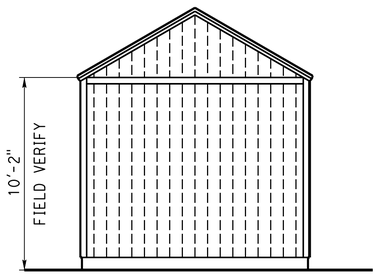
1 NORTH ELEVATION REMOVAL

SCALE 1/4" = 1'-0"



1 TUFF SHED FLOOR PLAN REMOVAL

SCALE 1/4" = 1'-0"



2 SOUTH ELEVATION REMOVAL

SCALE 1/4" = 1'-0"

CSFM PERMIT #24-S-4747

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

REMOVAL PLAN AND ELEVATIONS — TUFF SHED REMOVAL PLAN AND ELEVATIONS

SHEET A0-2.6

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	23	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		75	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

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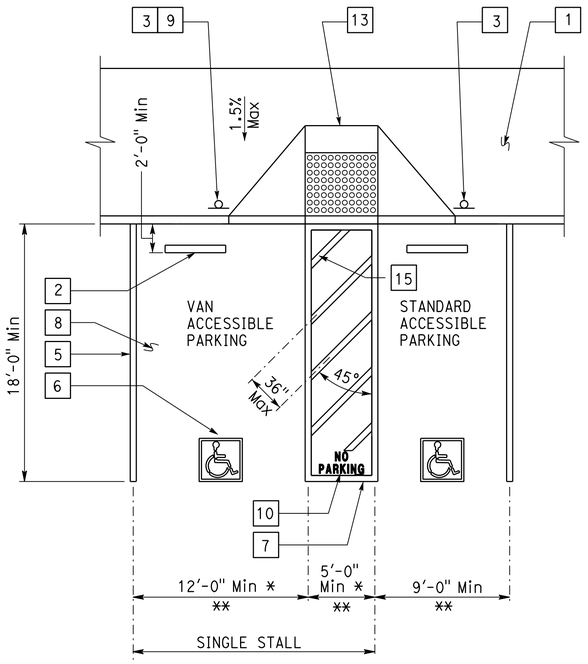
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

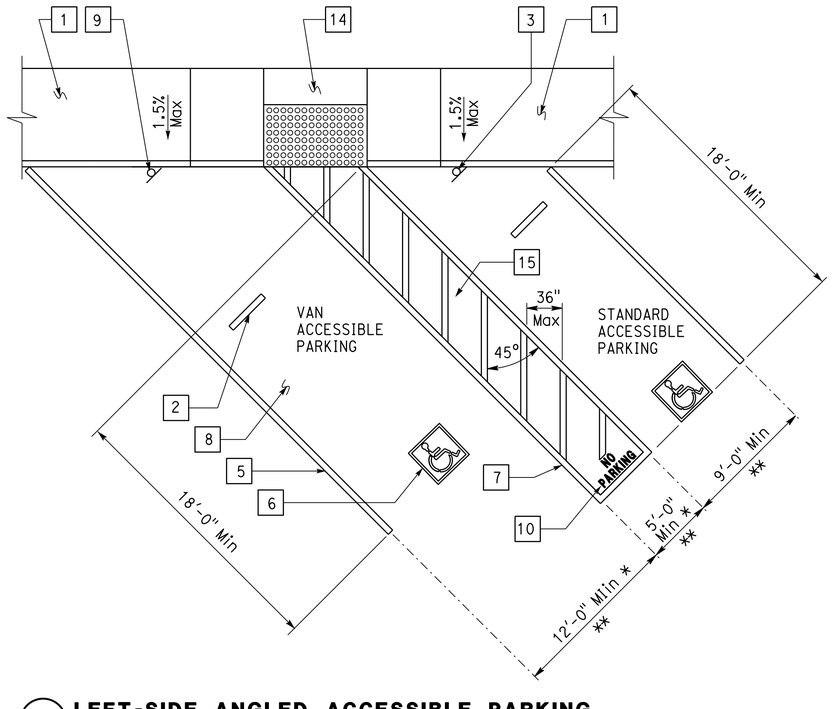
KEYED NOTE LEGEND FOR DETAILS

1. Concrete walkway (where occurs). See plans for width, layout (may vary), finish, joints and elevations.
2. Parking bumper (away from access aisle). See specifications.
3. Accessible parking space signage. See detail 1 on sheet A0-3.2.
4. Edge of detectable warning surface nearest street must be between 6" and 8" from flush transition at perpendicular curb ramp.
5. 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See specifications for painting.
6. Accessible parking surface identification painted on pavement. See detail 6 on sheet A0-3.2.
7. 4" wide blue border designating non-parking access aisle to curb ramp.
8. Maximum slope on parking stall and access aisle to be 1.5%.
9. Van accessible signage. See details 1 & 2 on sheet A0-3.2. Access aisle must be on passenger side only.
10. "NO PARKING" in Min 12" high white letters to be placed within access aisle to curb ramp. See Standard Plan A90B.
11. Turning space with 36" deep detectable warning surface extending full width of turning space less 2" maximum on each side. See detail 5 for detectable warning surface.
12. Ramp run with 36" deep detectable warning surface extending full width of ramp run less 2" maximum on each side.
13. Perpendicular curb ramp. See detail 3 on this sheet. Also see plans for width and layout (may vary).
14. Parallel curb ramp. See detail 4 on this sheet. Also see plans for width and layout (may vary).
15. Access aisle with 4" wide hatched lines at 36" OC. Color to contrast with aisle surface, preferably blue or white.
16. Detectable warning surface must start at flush transition at parallel curb ramp.



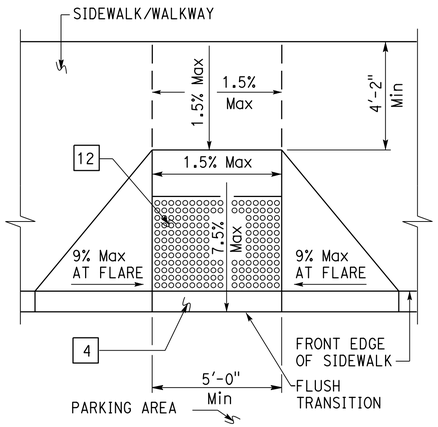
1 PERPENDICULAR ACCESSIBLE PARKING

* 9'-0" Min van parking allowed with 8'-0" Min access aisle.
** The width of parking or access aisle is permitted to be measured to the outer edge of striping where parking or access aisle is not adjacent to another parking or access aisle.

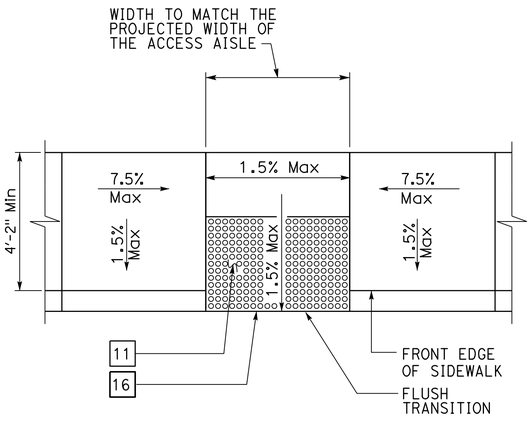


2 LEFT-SIDE ANGLED ACCESSIBLE PARKING

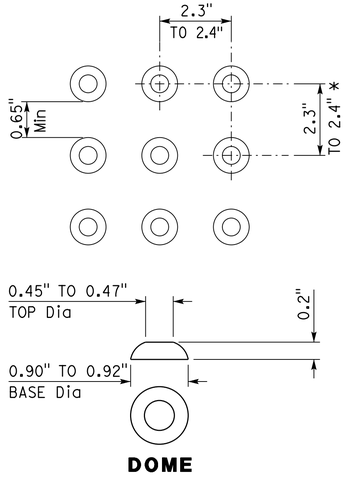
See plan for any variation of angled parking. Angle of parking stalls are indicated on plans or matching any existing angle.



3 PERPENDICULAR CURB RAMP



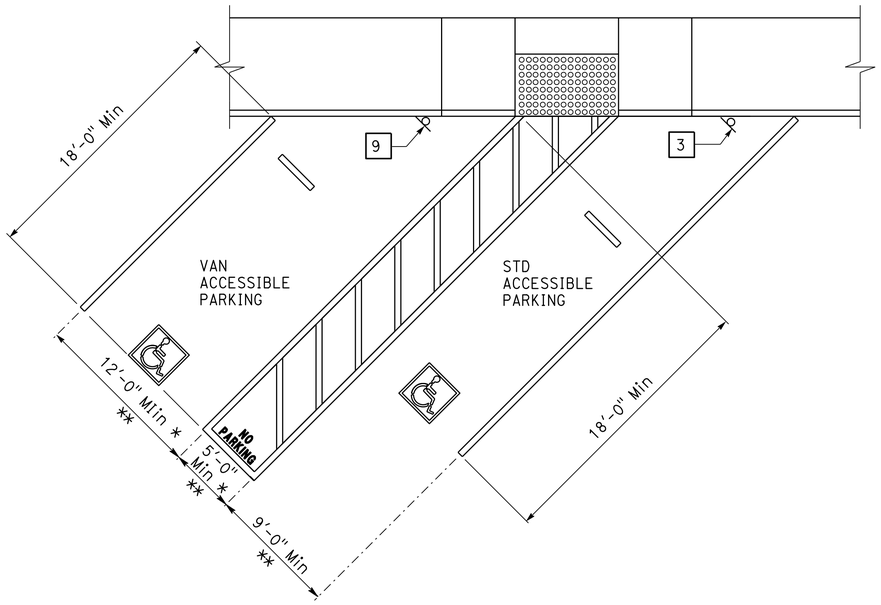
4 PARALLEL CURB RAMP



DOME

5 DETECTABLE WARNING SURFACE TRUNCATED DOMES

* 1.6" to 2.4" if surface is installed in radial pattern.



6 RIGHT-SIDE ANGLED ACCESSIBLE PARKING

See details 1, 2, 4 & 5 for additional Info.

DETAILS

No scale unless otherwise noted

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

STANDARD DRAWING

FILE NO. __-__-_	DESIGN	BY D. Alsey	CHECKED A. Almaw	APPROVED
DRAWING DATE 05-18	DETAILS	BY D. Good	CHECKED F. Thomas	DESIGN SUPERVISOR
	SUBMITTED BY	D. Alsey		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	24	80

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7-JUL-2025 16:52

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		76	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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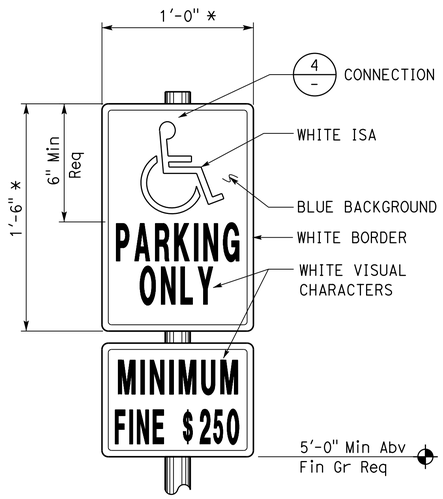
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

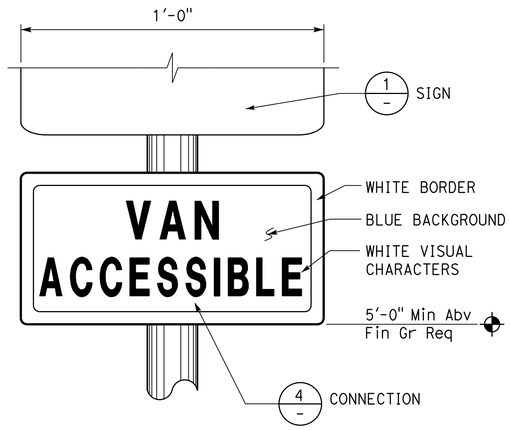
Note:
All listed sign sizes and mounting heights are recommended, unless otherwise noted as required.

Signage Note:
All visual characters (letters & numbers) must comply with CBC Section 11B-703.5.



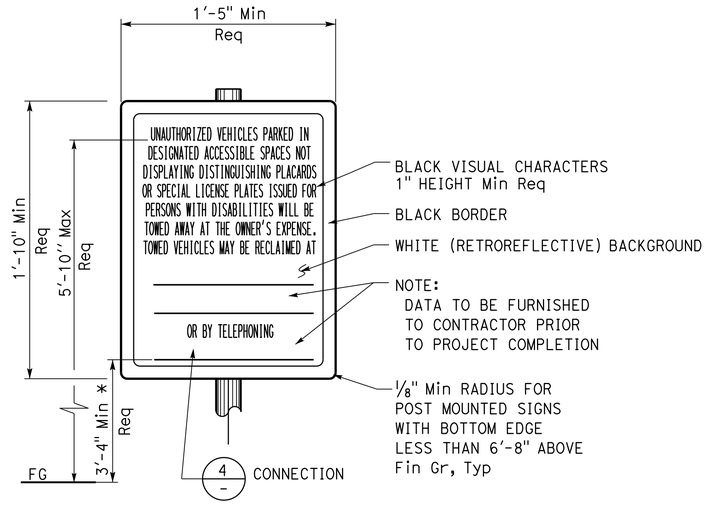
1 ACCESSIBLE PARKING SIGN

Refer to Site Plan for locations.
Combo sign may be used.
* Min area 70 Sq is Req



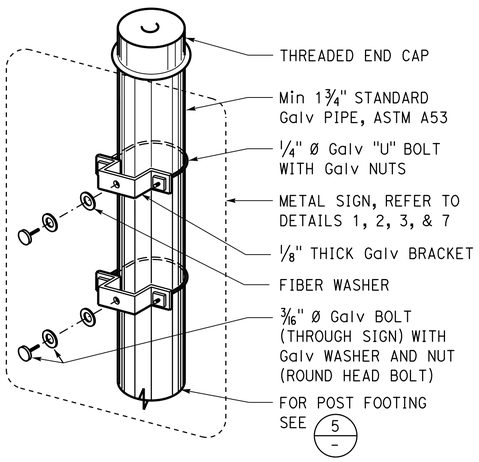
2 ACCESSIBLE VAN PARKING SIGN

Refer to Site Plan for locations.
Combo sign may be used.

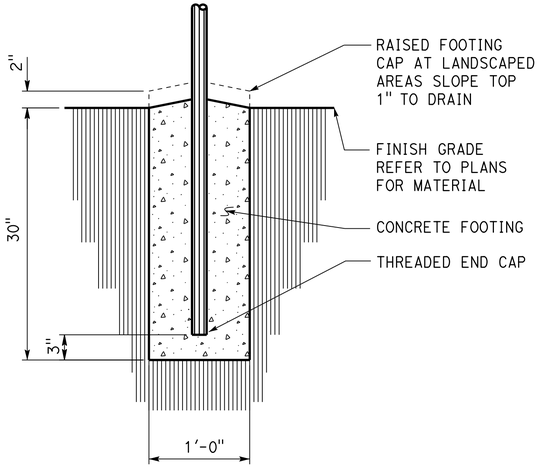


3 UNAUTHORIZED PARKING SIGN

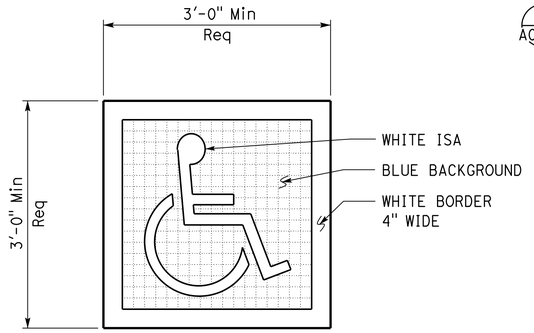
Refer to Site Plan for locations. Colors may vary.
Sign must not be posted in a path of travel.
* To baseline of visual characters of numbers.



4 SIGN CONNECTION

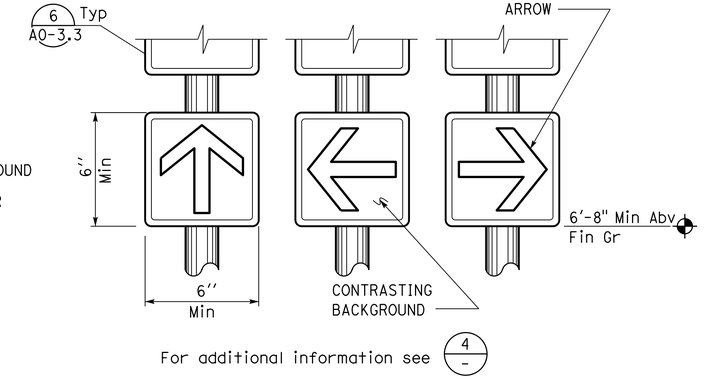


5 SIGN POST FOOTING



6 ACCESSIBLE PARKING SURFACE IDENTIFICATION

Refer to Details 1, 2 & 6 on sheet A0-3.1 for locations.
Centerline of surface ID must be Max 6" from centerline of parking space.
Lower side of surface ID must align with end of parking space length.



7 DIRECTIONAL SIGNS

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

DETAILS

No scale unless otherwise noted

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

STANDARD DRAWING

FILE NO.	DESIGN	BY A. Almaw	CHECKED A. Almaw	APPROVED
DRAWING DATE 05-18	DETAILS	BY D. Good	CHECKED F. Thomas	DESIGN SUPERVISOR
	SUBMITTED BY D. Alsey			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
ACCESSIBILITY | ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.2

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 05-04-18

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	25	80

7-JUL-2025 16:52

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		77	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

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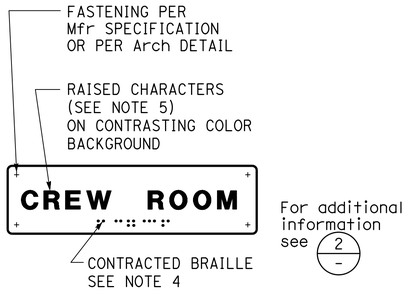
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

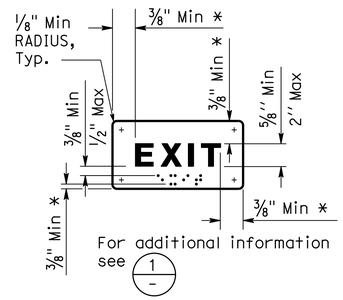
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



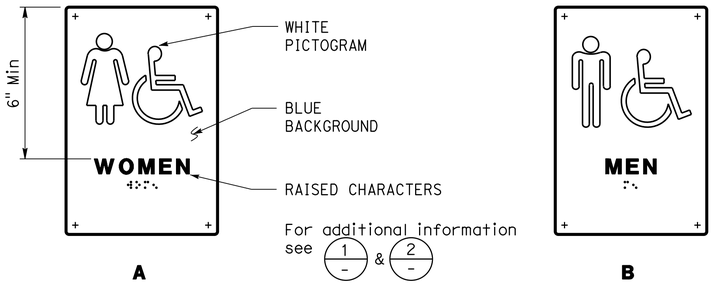
1 ROOM IDENTIFICATION SIGN

Install per Detail 5.
Text varies.
See plans, Ext elevations, or door schedule for locations and text.



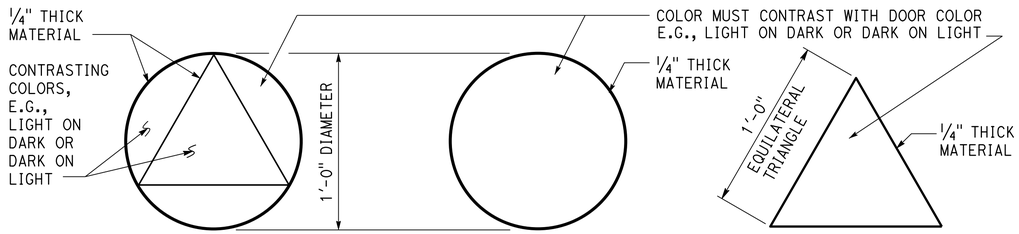
2 INTERIOR EXIT SIGN

Install per Detail 5.
Text may vary.
See plans, or door schedule for locations and text.
* From characters / Braille to any raised border or elements



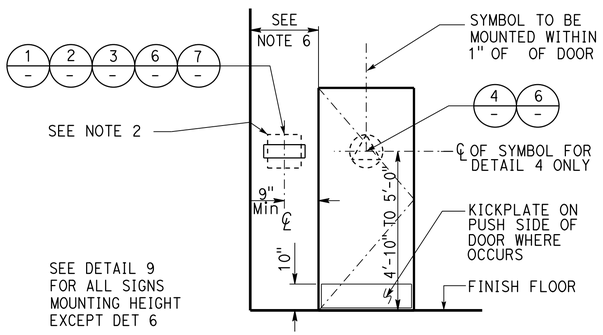
3 OPTIONAL MULTIPLE-USER RESTROOM/SHOWER ROOM SIGNS

Install per Detail 5.
See Detail 9 for sign mounting height.
See Detail 7 for "Single-User" restroom signs.



4 RESTROOM/SHOWER ROOM GEOMETRIC SYMBOLS AT DOOR

Install per Detail 5.
No pictogram and raised characters.
Edges of geometric symbols must be eased or rounded at 1/16" Min, or chamfered at 1/8" Max, vertices must be radiused btwn 1/8" Min. and 1/4" Max.

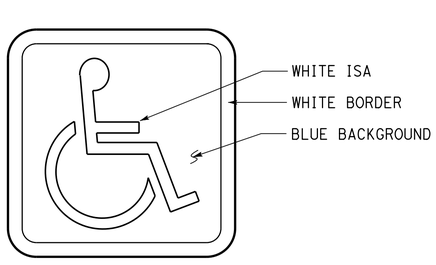


5 SIGN/SYMBOL LOCATIONS

Refer to signage notes for additional information.

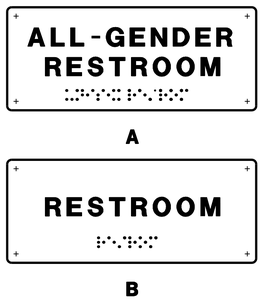
SIGNAGE NOTES:

1. Locate room identification signs, exit signs, and restroom signs on wall adjacent to door on latch side. If wall space is not available on latch side, locate on nearest adjacent wall. Locate sign on ℄ inactive leaf at double doors, or to the right of right hand door at double doors with two active leafs.
2. Refer to specifications for sign material and other color selection. Except Detail 6, sign colors may vary from details.
3. See door schedule for text and sign location, unless otherwise noted.
4. Braille must be contracted (Grade 2) and compliant with CBC Section 11B-703.3. Braille translation on the plan is not verified.
5. Raised characters must be uppercase sans serif raised 1/32" Min Fonts must be selected where width of letter "O" is 60% Min and 110% Max of height of letter "I". Stroke thickness of letter "I" must be 15% Max of height of the character.
6. Raised character height indicated in detail 2 is measured based on height of uppercase letter "I".
7. Raised character vertical spacing must comply with CBC Section 11B.703.2.7.
8. Provide 18"x18" Min clear floor space in front of and centered with raised characters.
9. Sign color must have a minimum of 70% contrast to door or wall color. Text and pictogram must have a minimum of 70% contrast to sign color.



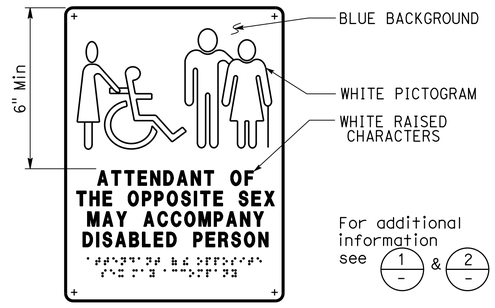
6 INTERNATIONAL SYMBOL OF ACCESSIBILITY SIGN

Install per Detail 5.
See plans, elevations, or schedule for sign locations.
Decal may be used.



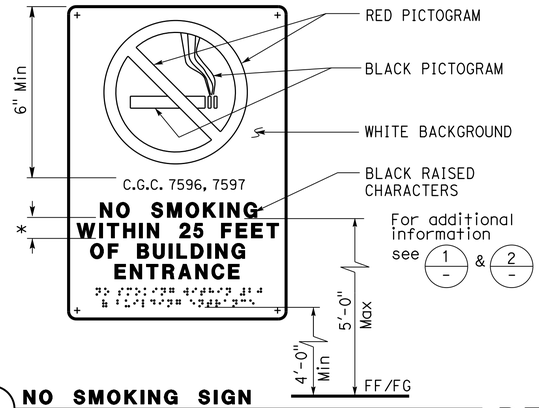
7 OPTIONAL SINGLE-USER RESTROOM SIGNS

See DetailS 1, 2, 5, 9, and Signage notes.
See plans or elevations for locations.
No pictogram.



8 RESTROOM ACCOMPANY SIGN

See plans or elevations for locations.
See Detail 9 for sign mounting height and line spacing.



9 NO SMOKING SIGN

See plans or Ext elevations for locations.
* Line spacing must be 135% Min and 170% Max of character height.

DETAILS

No scale unless otherwise noted

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

STANDARD DRAWING				
FILE NO. __-___-_	DESIGN	BY D. Alsey	CHECKED A. Almaw	APPROVED
DRAWING DATE 05-18	DETAILS	BY D. Good	CHECKED F. Thomas	DESIGN SUPERVISOR
	SUBMITTED BY D. Alsey			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No.	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET
42M5725		A0-3.3
POST MILE	ACCESSIBILITY STANDARD DETAILS	
ACCESSIBILITY		

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 05-04-18

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	26	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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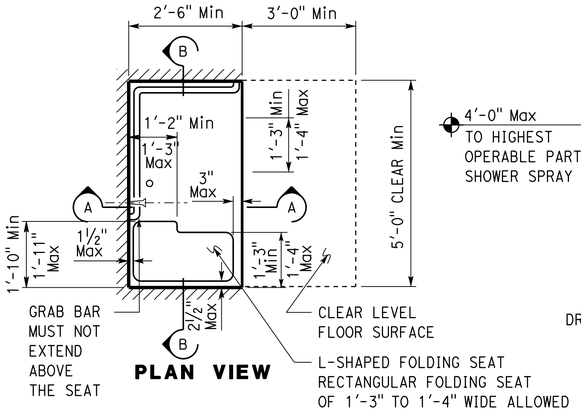
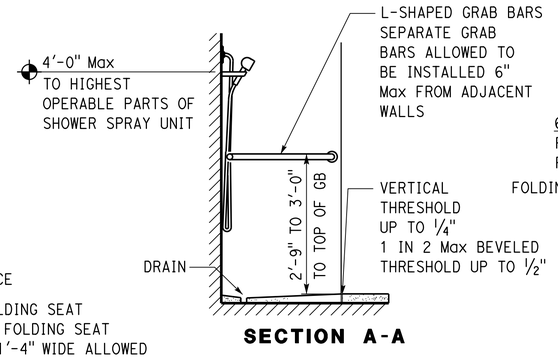
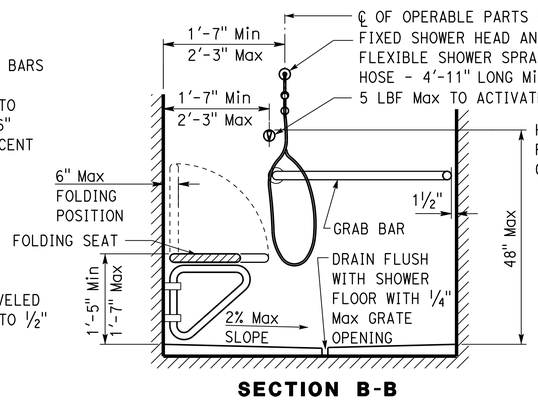


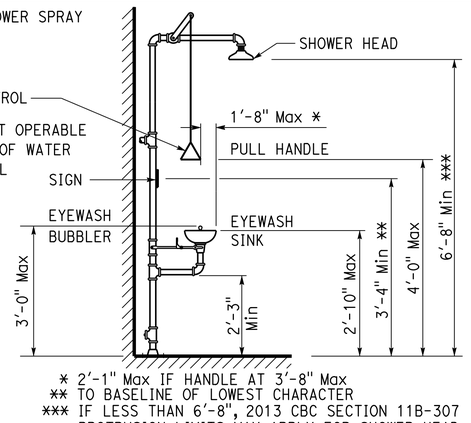
PLAN VIEW



SECTION A-A



SECTION B-B



* 2'-1" Max IF HANDLE AT 3'-8" Max
** TO BASELINE OF LOWEST CHARACTER
*** IF LESS THAN 6'-8", 2013 CBC SECTION 11B-307 PROTRUSION LIMITS MAY APPLY FOR SHOWER HEAD.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		78	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

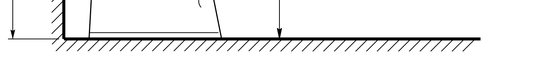
1 SHOWER STALL

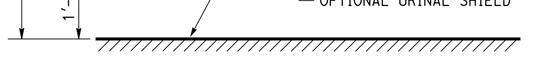
Additional standard shower head may be added to wall opposite shower seat. Locate water diverter per water control. Alternate shower stall allowed per CBC Figure 11B-608.2.3

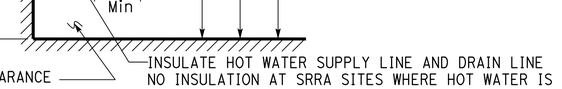
Any soap dish must be on the control wall at 3'-4" Max above the shower floor and within reach limits from the seat.

2 EMERGENCY EYEWASH/ SHOWER

Foot pedal may be added to operate equipment
Provide Min 2'-6'' x 4'-0'' clear level area in front of and centered with fixture with1'-5" to 1'-7" under fixture and Max 1.5% slope in all directions.
Grab bars or wing wall may be required. See Plans.
Sign must state "EMERGENCY EYEWASH/SHOWER" or similar and comply with CBC Section 11B-703.5.

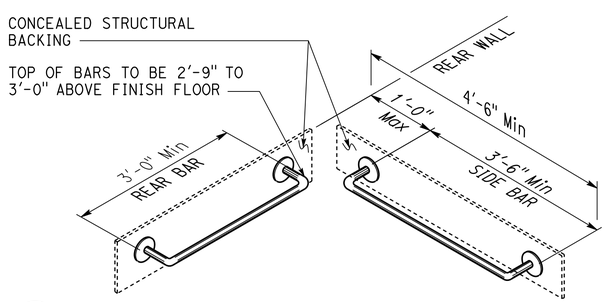




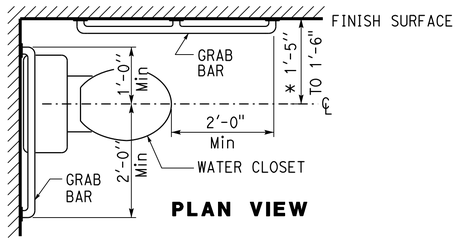


3 WATER CLOSET

See Specifications for fixture type



4 URINAL

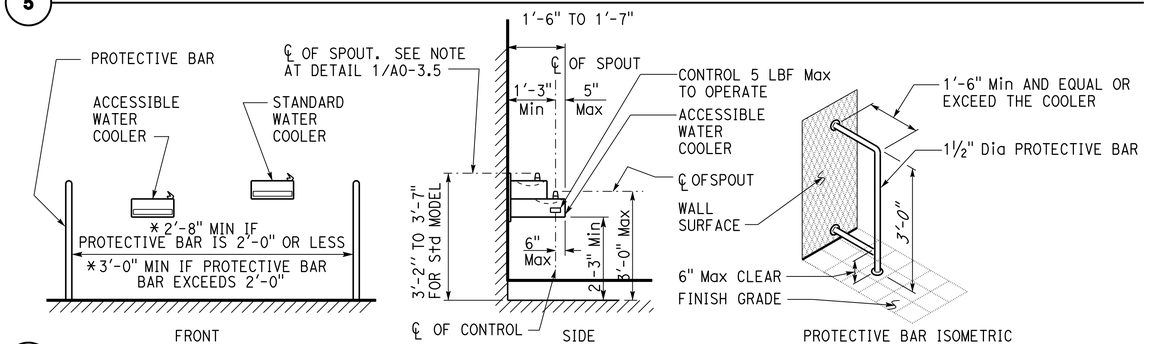


PLAN VIEW

Grab bar note:
1. Circular grab bars to be 1¼" to 2" diameter with clear space of 1½" to smooth wall surface.
2. L-shaped grab bars allowed

* 1'-5" to 1'-7" at ambulatory accessible compartment.

5 LAVATORY



6 GRAB BARS/ WATER CLOSET

7 ELECTRIC WATER COOLER

In lieu of protective bars, other types of wing walls may be used.
* Provide Min 2'-6'' x 4'-0'' clear level area in front of and centered with low fixture with 1'-5" to 1'-7" under fixture and Max 1.5% slope in all directions. See clear level area at detail 1/A0-3.5 for size and location.

DETAILS

No scale unless otherwise noted

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

STANDARD DRAWING				
FILE NO. __-__-__	DESIGN	BY D. Alsey	CHECKED A. Almaw	APPROVED DESIGN SUPERVISOR
DRAWING DATE 05-18	DETAILS	BY D. Good	CHECKED F. Thomas	
	SUBMITTED BY	D. Alsey		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ACCESSIBILITY | ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.4

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 05-04-18

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	27	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		79	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT — DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
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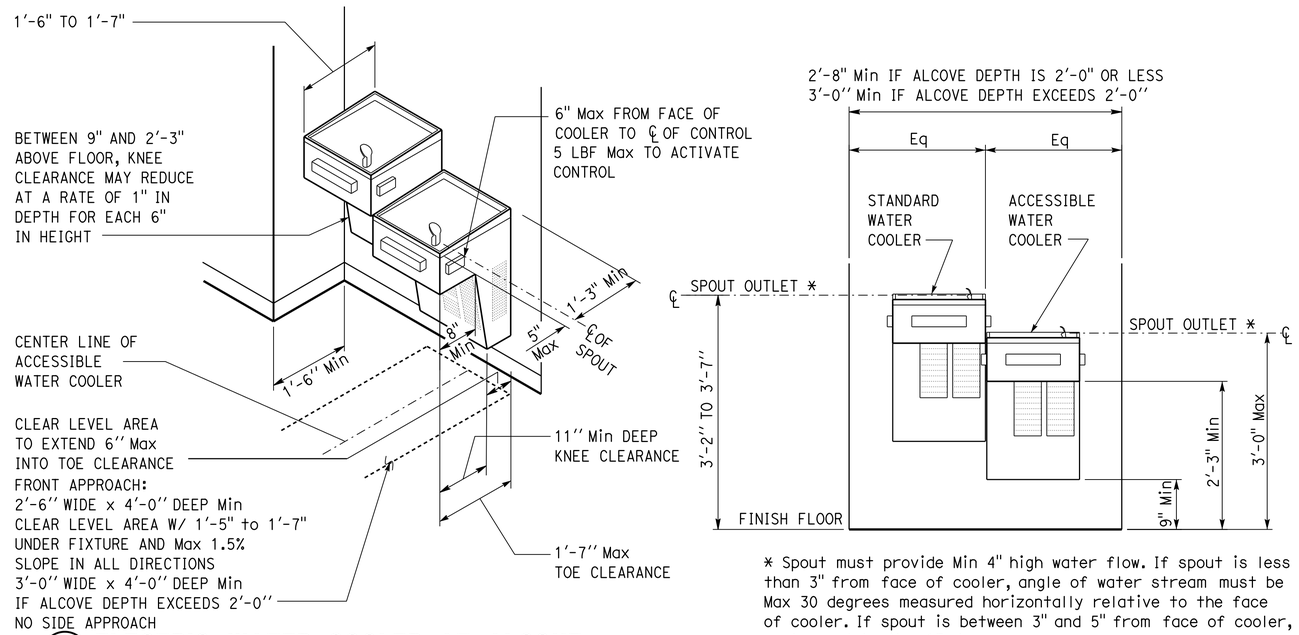
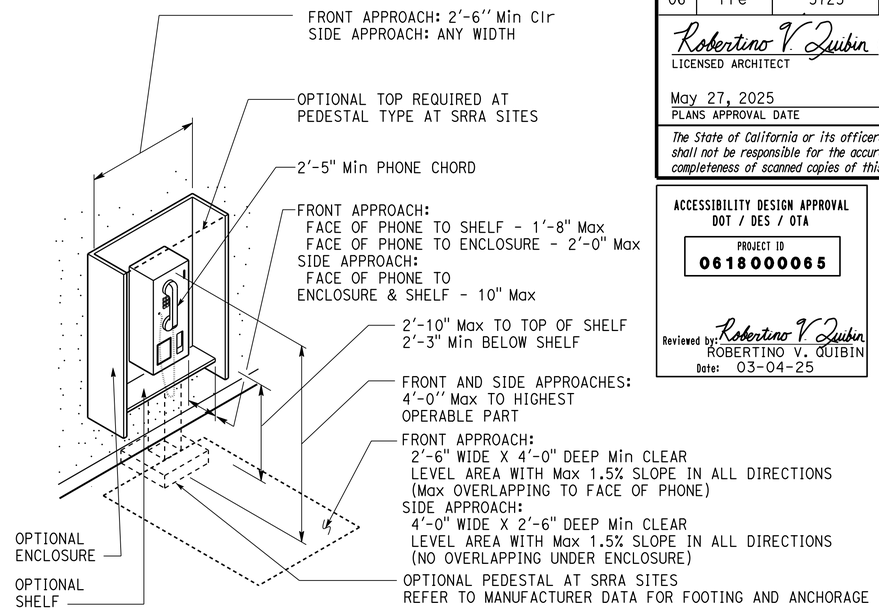


* Spout must provide Min 4" high water flow. If spout is less than 3" from face of cooler, angle of water stream must be Max 30 degrees measured horizontally relative to the face of cooler. If spout is between 3" and 5" from face of cooler, angle must be Max 15 degrees.

1 ELECTRIC WATER COOLER AT ALCOVE

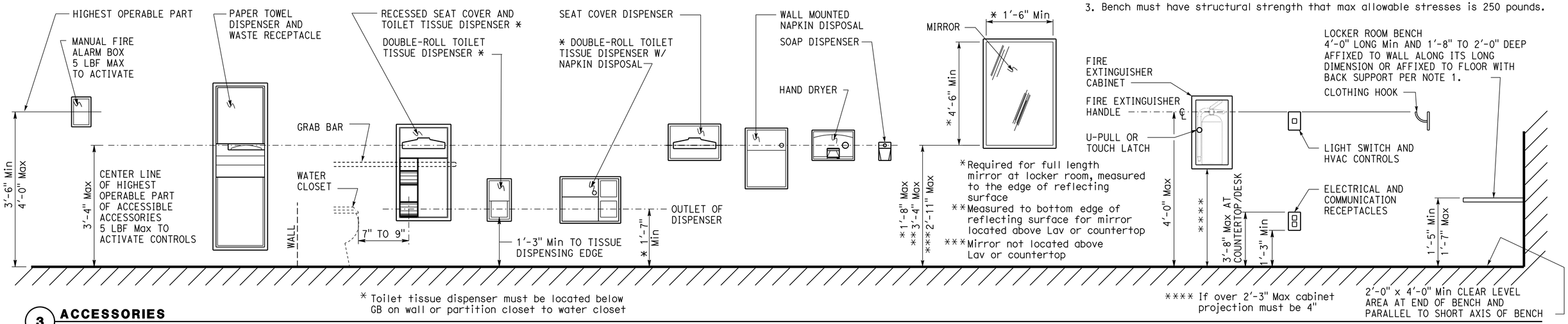
Fixture type may vary.
Width of alcove may vary.
One fixture may be installed with two spouts at separate heights.
Two fixtures with separate mounting heights may be installed at separate locations.
Cooler may project 4" Max from alcove surface into any circulation path.



2 TELEPHONE

Notes:

1. Back support must be 4'-0" L Min, begins at a point 2" Max above seat surface to a point 1'-6" Min above seat surface, and 2½" Max from rear edge of seat.
2. Bench seat surface must be slip resistant and not accumulate water (E.G., slope or w/slots to drain) when installed in or adjacent to wet locations.
3. Bench must have structural strength that max allowable stresses is 250 pounds.



* Toilet tissue dispenser must be located below GB on wall or partition closet to water closet

**** If over 2'-3" Max cabinet projection must be 4"

3 ACCESSORIES

DETAILS

No scale unless otherwise noted

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FILE NO. ___-___-_	DESIGN	BY D. Alsey	CHECKED A. Almaw	APPROVED
DRAWING DATE 05-18	DETAILS	BY D. Good	CHECKED F. Thomas	DESIGN SUPERVISOR
	SUBMITTED BY D. Alsey			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ACCESSIBILITY — ACCESSIBILITY STANDARD DETAILS

SHEET A0-3.5

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 05-04-18

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	28	80

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SITE PLAN NOTES

A. REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND NOTES
B. SEE FLATWORK DRAWING A0-5.0 FOR HARDSCAPE, SLOPE AND PARKING DETAILS.
C. MINIMUM CLEAR HEIGHT OF 8'-2" REQUIRED AT ACCESSIBLE PARKING SPACES AND ACCESS THERETO. MINIMUM 7'-0" REQUIRED AT ALL OTHER PARKING AREA
D. REFER TO SHEET A0-3.1 FOR TYPICAL PARKING STALL PLANS AND DIMENSIONS
E. REFER TO ENLARGED PLANS FOR GRID DIMENSIONS, SLAB OPENINGS, SLAB SLOPES, REFER STRUCTURE PLAN FOR CURB LOCATIONS
F. REFER TO CIVIL FOR GRADING, DRAINAGE AND MANHOLES

LEGEND

- [A] (N) WEST AVE. SPECIAL CREWS FACILITY
- [B] NOT USED
- [C] NOT USED
- [D] (N) LIFT STATION ADDED, SEE SHEET SANITARY DRAWINGS
- (1) (E) BUILDING CC - OFFICE TRAILER TO REMAIN
- (2) (E) BUILDING A - OFFICES TO REMAIN
- (3) (E) ABOVE GROUND GAS TANK TO REMAIN
- (4) (E) UNLEADED TO REMAIN
- (5) (E) FUEL SHED TO REMAIN
- (6) (E) TUFF SHED TO REMAIN
- (7) (E) ELECTRICAL SHOP TO REMAIN
- (8) (E) WAREHOUSE TO REMAINE
- (9) (E) POLE BARN/COVERED STORAGE TO REMAIN
- (10) (E) STORM WATER TO REMAIN
- (11) (E) WASHRACK SHED TO REMAIN
- (12) (E) WASHRACK TO REMAIN
- (13) (E) METALSHOP/WAREHOUSE / STORAGE TO REMAIN
- (14) (E) TRIPLE WIDE OFFICE TRAILER TO REMAIN TO REMAIN
- (15) (E) CONCRETE PAD TO REMAIN
- (16) (E) FENCE TO REMAIN
- (17) (E) CLEAN CA TRAILER TO REMAIN
- POT
- DETECTABLE WARNING SURFACES SEE 5/A0-3.1

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		80	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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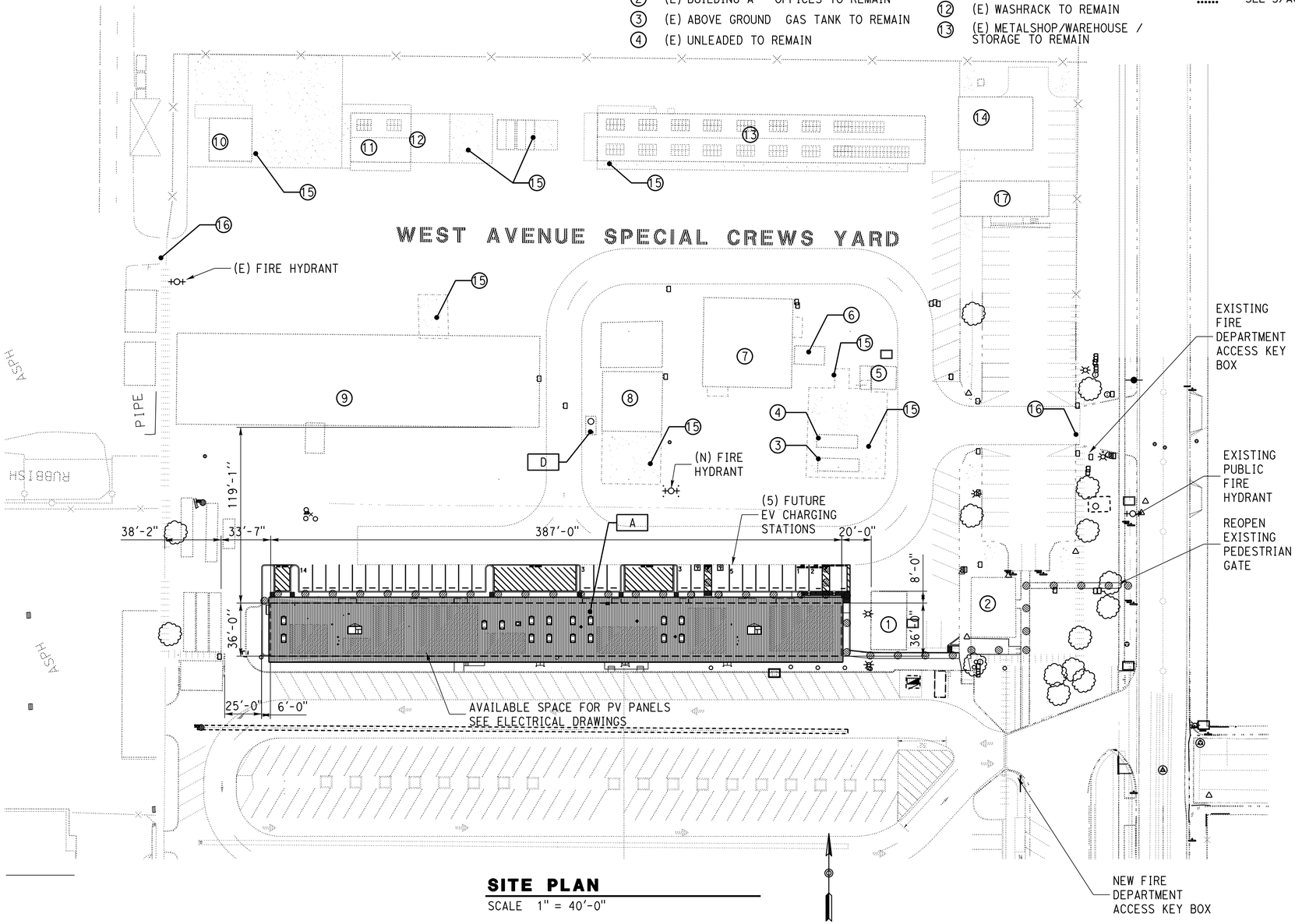
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



SITE PLAN
SCALE 1" = 40'-0"

ACCESSIBILITY NOTES

1. EXISTING SITE ACCESS GATE MUST REMAIN OPEN DURING OPERATION HOURS.
2. PATH OF TRAVEL (POT) FROM NEW ACCESSIBLE PARKING SPACES TO (E) BLDGS./ FACILITIES NOT ALTERED UNDER THIS PROJECT ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK.
3. POTS FROM THE NEW BLDG. TO (E) BLDGS./ FACILITIES NOT ALTERED UNDER THIS PROJECT ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK
4. POTS CONNECTING (E) BLDGS./ FACILITIES NOT ALTERED UNDER THIS PROJECT ARE NOT REQUIRED TO BE INCLUDED IN THE SCOPE OF WORK
5. POT INDICATED ON THE SITE PLAN IS THE MOST PRACTICAL AND DIRECT ROUTE BETWEEN SITE ARRIVAL POINT AND ALL EXTERIOR PEDESTRIAN DOORS AT NEW BLDG. EXACT LOCATION OF POT MUST BE FIELD VERIFIED, RELOCATED OR RECONFIGURED IF NEEDED, AND IDENTIFIED ON THE AS-BUILT PLAN BY THE CONTRACTOR
6. POT MAY BE STRIPED TO PROVIDE HIGH VISIBILITY AND SAFETY PROTECTION. THE CONTRACTOR MUST VERIFY AND REMOVE ANY BARRIERS AT POT TO COMPLY WITH ALL THE ITEMS BELOW
7. POT SURFACE MUST BE FIRM, STABLE, SLIP-RESISTANT, W/NO LOOSE GRAVEL, SAND, CHIPS, ETC.
8. IF ANY GRATINGS ARE LOCATED IN POT, GRID OPENINGS IN GRATINGS MUST BE LIMITED TO ½ INCH IN THE DIRECTION OF TRAFFIC FLOW.
9. ANY PLANTER/GRATE/COVER IN OR ADJACENT TO POTS MUST REQUIRE EDGE PROTECTION OF MIN. 6 INCHES HIGH CURB OR CODE-COMPLIANT GUARD OR HANDRAIL IF LEVEL CHANGE BETWEEN POT AND PLANTER/GRATE/COVER EXCEEDS 4 INCHES.
10. IF ANY EXTERIOR POTS ARE LESS THAN 60 INCHES WIDE, THEN PASSING SPACE AT LEAST 60 INCHES X 60 INCHES MUST BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200 FEET
11. ANY POT WITH CONTINUOUS GRADIENTS MUST HAVE MAXIMUM 1.5% SLOPED LEVEL AREA AT LEAST 5 FEET IN LENGTH AT INTERVALS OF 400 FEET MAXIMUM
12. EXTERIOR POTS MUST BE MIN. 48 INCHES WIDE. ALL POTS MUST HAVE MIN. 80 INCHES HEAD CLEARANCE, MAX. 5% SLOPE IN THE DIRECTION OF TRAVEL, MAX. 1.5% CROSS SLOPE, MAX.½ INCH LEVEL CHANGE W/ MAX. 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4 INCH MAY BE VERTICAL. ANY LEVEL CHANGE EXCEEDING ½ INCH OR ANY SLOPE IN THE DIRECTION OF TRAVEL EXCEEDING 5% MUST BE ACCOMMODATED BY CODE-COMPLIANT CURB RAMP OR RAMP
13. ALL DOORS MUST HAVE CLEAR LEVEL AREAS ON BOTH SIDES OF DOORS W/MAX. 1.5% SLOPE IN ANY DIRECTION. CLEAR LEVEL AREA AT EXTERIOR DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING MUST BE MIN. 60 INCHES X 60 INCHES (INCLUDING MIN. 24 INCHES PASS DOOR STRIKE EDGE) FOR SINGLE DOOR, OR MIN 60 INCHES DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOORS; AND MIN. 48 INCHES DEEP X 36 INCHES WIDE OPPOSITE DOOR SWING (PLUS MIN. 12 INCHES PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER) FOR SINGLE DOOR, OR MIN 48 INCHES DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOORS
14. CLEAR LEVEL AREA AT INTERIOR DOOR FRONT APPROACH IN THE DIRECTION OF DOOR SWING MUST BE MIN. 60 INCHES DEEP X 54 INCHES WIDE (INCLUDING MIN. 18 INCHES PASS DOOR STRIKE EDGE) FOR SINGLE DOOR, OR MIN 60 INCHES DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOORS; AND MIN. 48 INCHES DEEP X 36 INCHES WIDE OPPOSITE DOOR SWING (PLUS MIN. 12 INCHES PASS DOOR STRIKE EDGE IF DOOR HAS BOTH LATCH AND CLOSER) FOR SINGLE DOOR, OR MIN 48 INCHES DEEP X DOUBLE-DOOR WIDTH FOR DOUBLE DOOR
15. LEVEL CHANGE AT THE DOORWAY, INCLUDING THRESHOLD THICKNESS, MUST BE MAX.½INCHW/MAX. 1:2 SLOPE. LEVEL CHANGE NOT EXCEEDING 1/4 INCH MAY BE VERTICAL
16. AISLES FORMED BY EQUIPMENT/ STORED MATERIALS/ WALLS AT ANY ROOMS MUST BE MIN. 36 INCHES WIDE IF SERVING ONE SIDE, AND MIN. 44 INCHES WIDE IF SERVING BOTH SIDES
17. POT NEEDS NOT BE IDENTIFIED TO NEW CHAIN LINK FENCE ENCLOSURE FOR SERVICE EQUIPMENT, AS SERVICE VEHICLES MAY PARK NEXT TO THE GATES TO ACCESS EQUIPMENT.
18. CONCRETE SLAB WITHIN NEW CHAIN LINK FENCE ENCLOSURE MUST HAVE MAXIMUM 2% IN ANY DIRECTIONS.

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN — SITE PLAN AND PATH OF TRAVEL

SHEET A0-4.0

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 29 | 80

TAEMWW Imperial - CCSC Rev. 10/20

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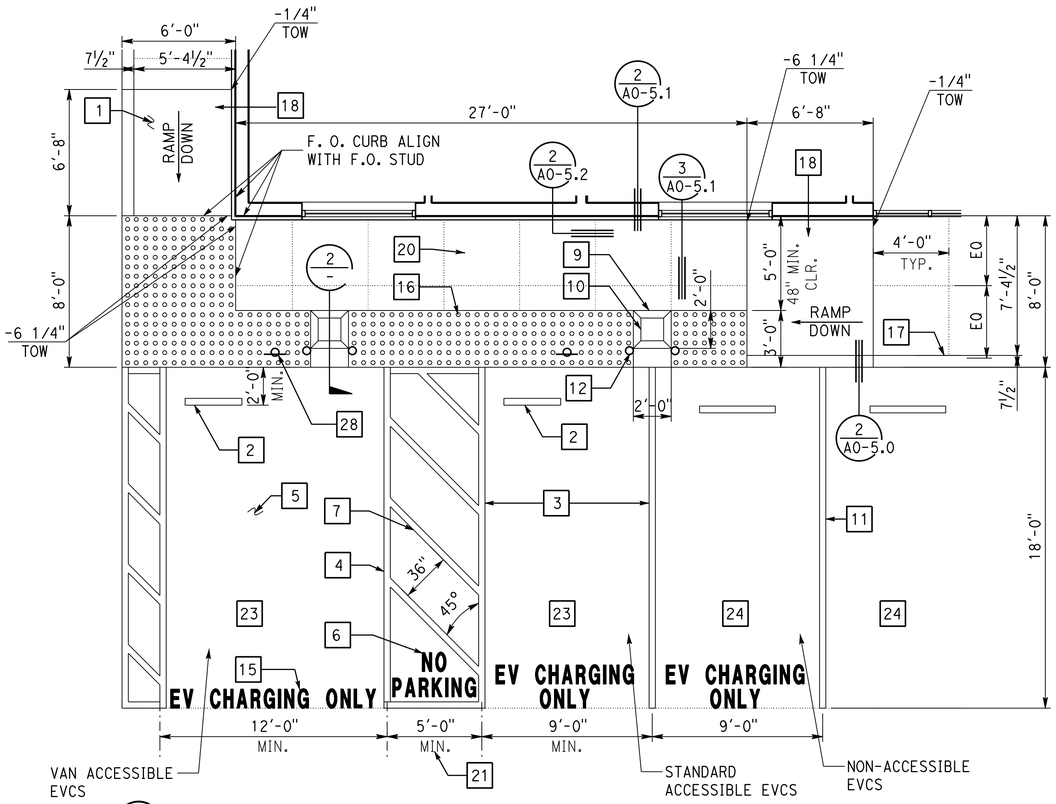
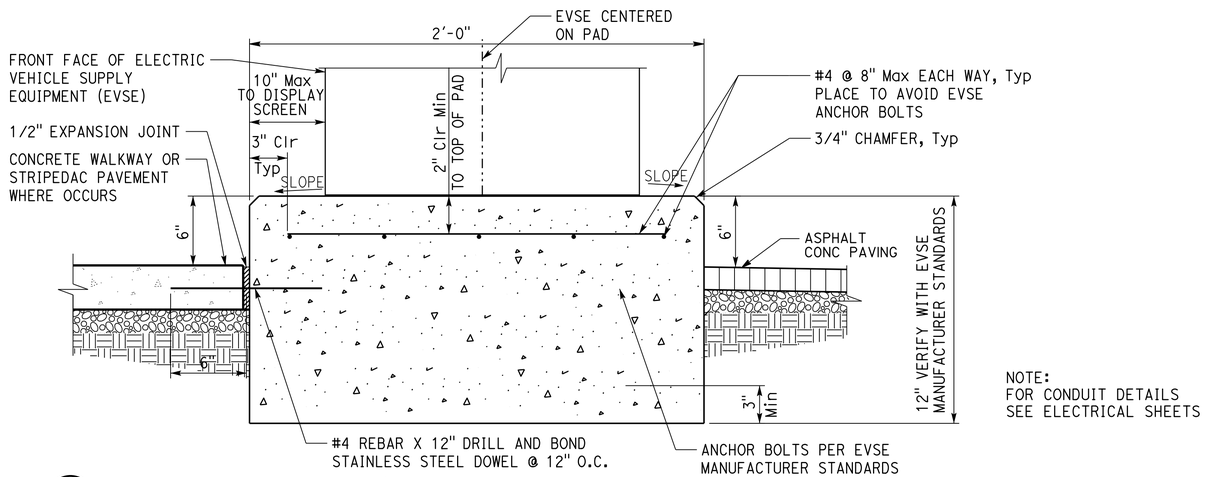


1 PERPENDICULAR PARKING

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

* EVCS CABLES AND OPERABLE PARTS MUST NOT PROTRUDE MORE THAN 4 INCHES INTO WALKWAY.



NOTE:
FOR CONDUIT DETAILS
SEE ELECTRICAL SHEETS

2 CONCRETE PAD SECTION

SCALE : 2" = 1'-0"

LEGEND

POT	
	DETECTABLE WARNING SURFACES SEE 5/AO-3.1
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
TCP	TOP OF PAVEMENT
TCW	TOP OF CONC WALKWAY
RD	ROOF DRAIN THROUGH CONC. PAD

KEYED NOTE LEGEND FOR DETAILS

1. Raised concrete walkway and accessible path of travel (POT) where occurs.
2. Parking bumper (adjacent to access aisle). See standard specifications.
3. 4" wide white parking stall designation stripe. See site plan(s) for additional stall striping. See standard specifications for painting.
4. 4" wide border designating non-parking access aisle. Color to contrast with aisle surface.
5. Maximum slope of parking stall and access aisle to be 1.5%.
6. "NO PARKING" in Min 12" high letters to be placed within access aisle. Color to contrast with aisle surface. See Standard Plan A90B.
7. Access aisle with 4" wide hatched lines at 36" OC. Color to contrast with aisle surface. Blue color must not be used.
8. Optional striping at angled parking.
9. 2'-0" x 2'-0" x 6" Concrete pad centered on parking or between two parkings. Verify with EVSE manufacturer standards.
10. Electric Vehicle Supply Equipment (EVSE) - Operable parts are facing walkway. Highest operable parts must be Max 48" above adjacent walkway. Display screen must comply with 2016 CBC Sections 11B-707.7.2 & 11B-707.9.
11. Perpendicular parking where occurs
12. 4" Diameter concrete filled guard post, see detail 3/AO-4.3. In order to facilitate accessibility, SFM Chief Meyer on 03/14/17 approved the deviation from 2016 CFC Section 312.2 requirements of various distant tests for guard posts.
13. Not used
14. Not used
15. Min 12" high white letters to be placed within the parking stall. Centerline of text must be 6" max from centerline of vehicle space and text lower side aligned with end of parking space length.
16. 3'-0" deep detectable warning surface (DWS). See detail 5/AO-3.1.
17. Curb where occurs.
18. Running slope 7.5% Max and cross slope 1.5% Max at curb ramp. Ramp may be omitted where walkway ends.
19. Not used
20. Walkway is needed to be 4'-2" Min.
21. Width of access aisle is permitted to be measured to the outer edge of striping where access aisle is not adjacent to another parking.
22. Max 1.5% slope in any directions at flat area of parallel curb ramp.
23. Identification post sign of ISA is not required for four or fewer EVCS per 2016 CBC Section 11B-812.8.1
24. Surface marking is not required for non-accessible EVCS.
25. Per 2016 CBC Section 11B-202.4 Exception 10, POT between accessible EVCS and building facility it serves is required except in alteration work consisting of only EVCS installation at any sites where vehicle fueling, recharging, parking or storage is not a primary function.
26. If no level change between (E) walkway and adjacent parking surface, no (N) parallel curb ramp is required. Verify (E) walkway to be 5% Max in running slope and 2% Max in cross slope for the portion between access aisle and charger, with Min 30"x48" clear space with 2% Max slope in all directions in front of and centered on the charger for a parallel approach.
27. If no (E) adjacent walkway, add new concrete walkway to the extent as shown to access the charger, complying with minimum width and all the requirements in item 26. No DWS is required.
28. California Manual on Uniform Traffic Control Devices R113A (CA) sign and post, see details 4 & 5/AO-3.2 for post details. Bottom of sign must be 5'-0" Min above finished grade.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		81	289

Robertino V. Quibin 07-22-24
LICENSED ARCHITECT DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT ROBERTINO V. QUIBIN No. C37307 02-28-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID 0618000065
Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

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

STANDARD DRAWING

FILE NO. __-__-__	DESIGN	BY D. Alsey	CHECKED D. Alsey	APPROVED
DRAWING DATE 05-18	DETAILS	BY R. Quibin	CHECKED F. Thomas	DESIGN SUPERVISOR
	SUBMITTED BY	D. Alsey		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE NO. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
ACCESSIBILITY
ELECTRIC VEHICLE CHARGING STATIONS (EVCS) STANDARD DETAILS

SHEET AO-4.1

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	30	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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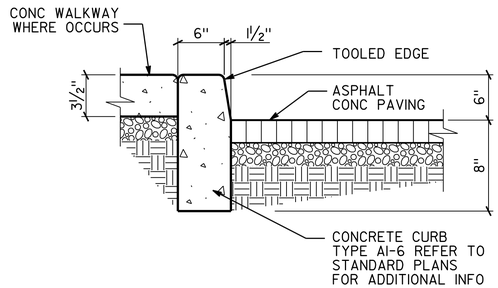

2 CONCRETE CURB

SEE CIVIL SHEETS

NO SCALE

PARKING SUMMARY

ACCESSIBLE PARKING:
VAN ACCESSIBLE PARKING STALL: 1
STANDARD ACCESSIBLE PARKING STALL: 1

STANDARD PARKING:
STANDARD PARKING STALLS: 18

EV CHARGING STALLS:

VAN ACCESSIBLE EV CHARGING STALL: 1
STANDARD ACCESSIBLE EV CHARGING STALL: 1
STANDARD EV CHARGING STALL: 1

FUTURE STANDARD EV CHARGING STALL: 5

LEGEND

POT	
	DETECTABLE WARNING SURFACES SEE 5/AO-3.1
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
TCP	TOP OF PAVEMENT
TCW	TOP OF CONC WALKWAY
RD	ROOF DRAIN THROUGH CONC. PAD

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		82	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT
FRANK THOMAS
No. C31406
04-30-27
RENEWAL DATE
STATE OF CALIFORNIA

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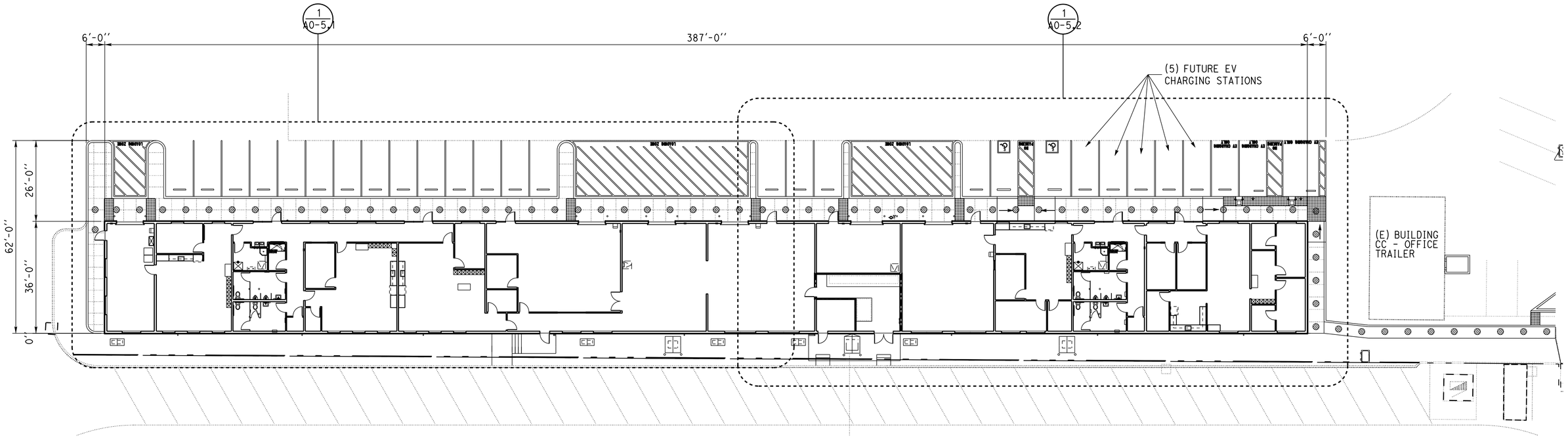
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 SITE PLAN OVERALL FLATWORK

SCALE 1/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN — OVERAL SITE FLATWORK

SHEET AO-5.0

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	31	80

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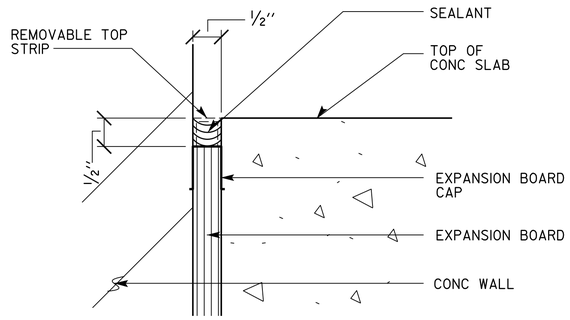
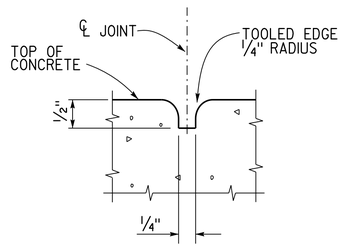


2 EXPANSION JOINT AT BUILDING EXTERIOR

NO SCALE



3 TOOLED (CONTROL) JOINT

NO SCALE

LEGEND

POT	
	DETECTABLE WARNING SURFACES SEE 5/AO-3.1
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
TCP	TOP OF PAVEMENT
TCW	TOP OF CONC WALKWAY
RD	ROOF DRAIN THROUGH CONC. PAD

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		83	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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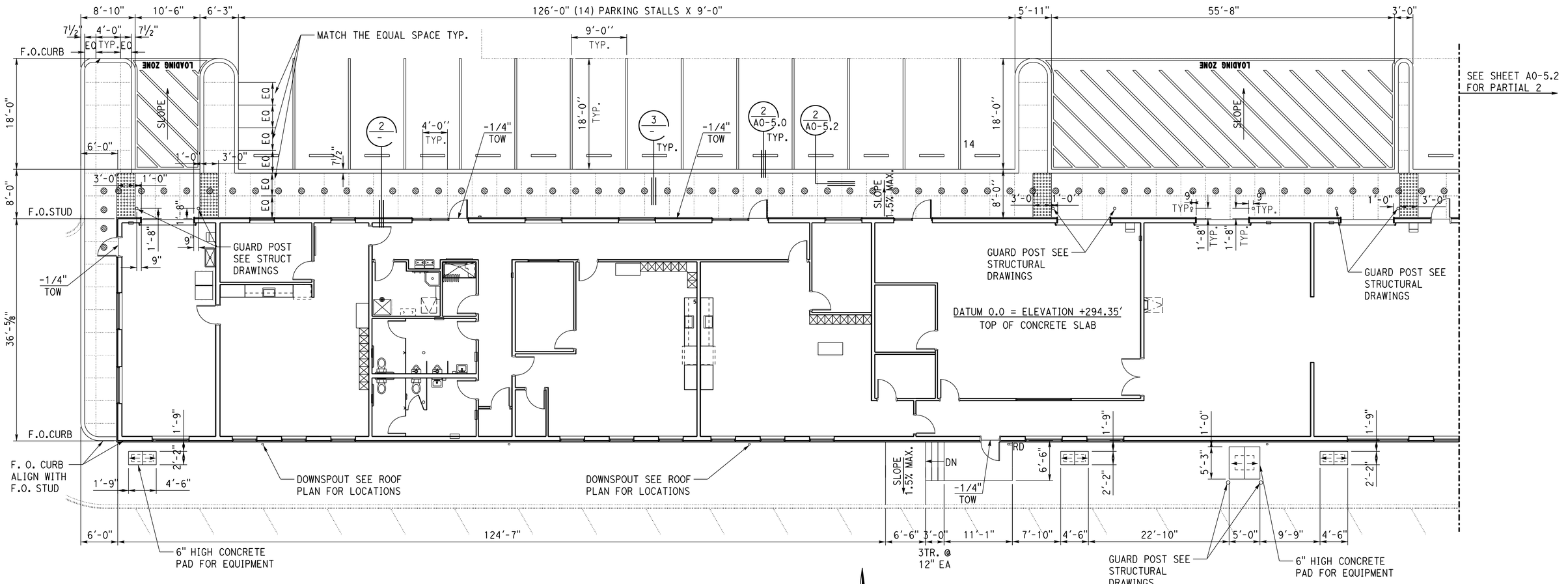
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED SITEFLAT WORK PARTIAL 1

SCALE 1/8" = 1'-0"

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN — ENLARGED SITE FLATWORK PARTIAL 1

SHEET A0-5.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	32	80

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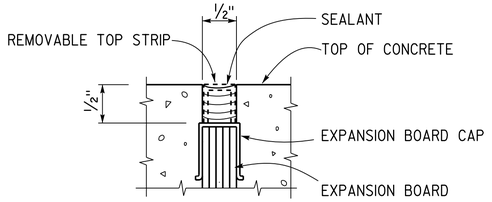


2 EXPANSION JOINT

NO SCALE

LEGEND

POT	
	DETECTABLE WARNING SURFACES SEE 5/AO-3.1
EJ	EXPANSION JOINT
CJ	CONTROL JOINT
TCP	TOP OF PAVEMENT
TCW	TOP OF CONC WALKWAY
RD	ROOF DRAIN THROUGH CONC. PAD

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		84	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

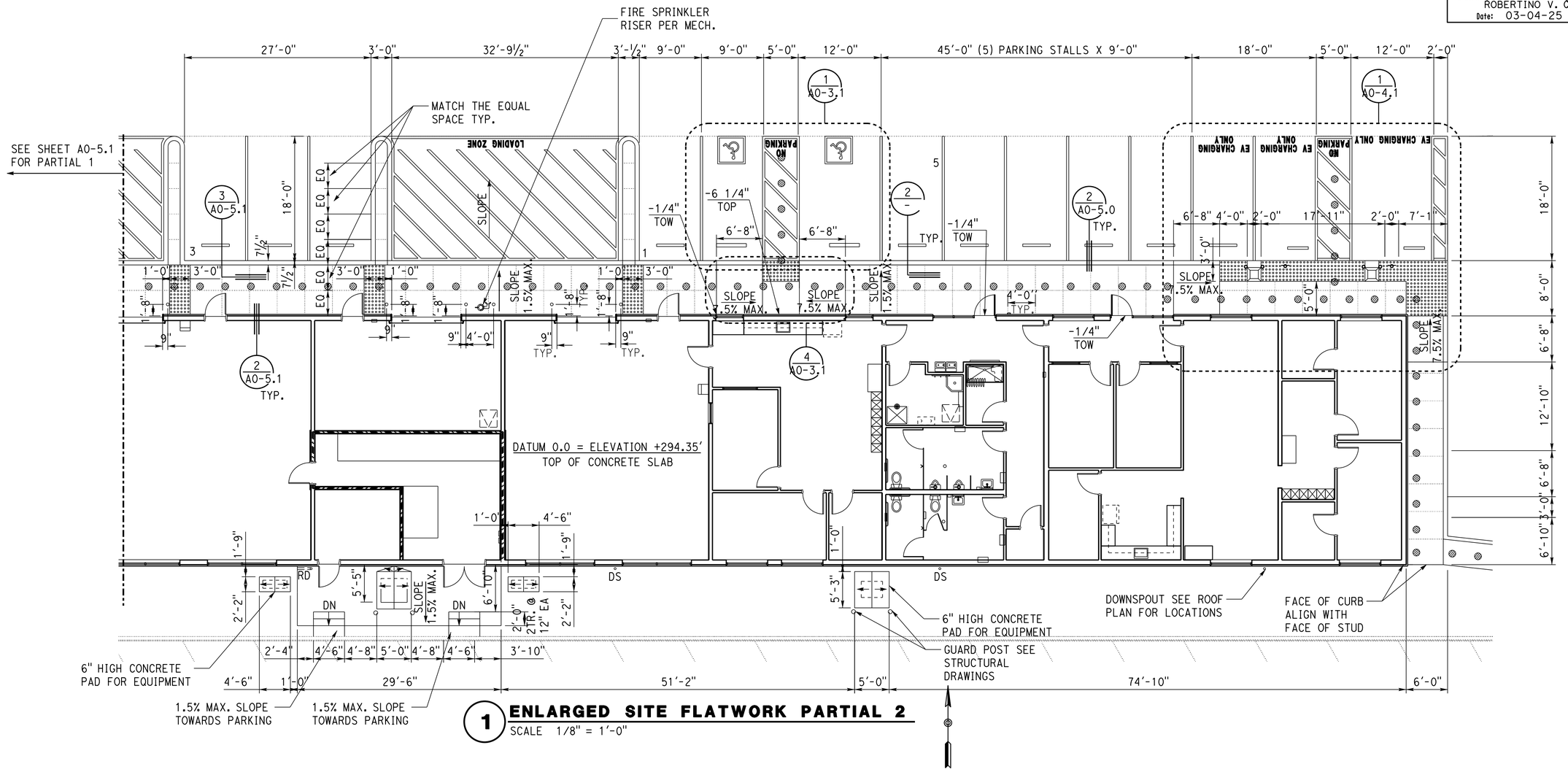
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED SITE FLATWORK PARTIAL 2

SCALE 1/8" = 1'-0"

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN

ENLARGED SITE FLATWORK PARTIAL 2

SHEET AO-5.2

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

VERSION	SHEET	OF
V2	33	80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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7-JUL-2025 16:53

PLUMBING FIXTURE CODE ANALYSIS
OFFICE OR PUBLIC BUILDING (FOR EMPLOYEE USE)
(PER CPC TABLE 422.1 & 4-1)

WEST AREA

GROUP A = 30 SF/OCC = 775 SF = 26 OCC
GROUP B = 150 SF/OCC = 1911 SF = 13 OCC
GROUP F-1 = 500 SF/OCC = 2681 SF = 6 OCC
GROUP S-2 = 4000 SF/OCC = 1128 SF = 1 OCC

TOTAL = 46 OCC

	UR	WC	LAV	SHWR	DF/
FIXT. REQUIRED = 46 (23 EA)	M	M F	M F	M F	(EWC)
	1	1 2	1 1	0 0	1
TOTALS	0	3	2	0	1
FIXT. PROVIDED =	UR	WC	LAV	SHWR	DF/
	M	M F	M F	M F	(EWC)
	2	1 2	1 1	1	1
TOTALS	2	3	2	1	1

EAST AREA

GROUP B = 150 SF/OCC = 3034 SF = 21 OCC
GROUP F-1 = 500 SF/OCC = 1034 SF = 3 OCC
GROUP S-2 = 4000 SF/OCC = 306 SF = 1 OCC

TOTAL = 25 OCC

	UR	WC	LAV	SHWR	DF/
FIXT. REQUIRED = 25 (13 EA)	M	M F	M F	M F	(EWC)
	1	1 1	1 1	0 0	1
TOTALS	0	2	2	0	1
FIXT. PROVIDED =	UR	WC	LAV	SHWR	DF/
	M	M F	M F	M F	(EWC)
	2	1 2	1 1	1	1
TOTALS	2	3	2	1	1

NOTE

A. SEE SHEETS GP-2 FOR GENERAL NOTES
B. PLANS ARE DIMENSIONED TO FACE OF STUD UON
C. REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND NOTES
D. REFER TO SHEET A9-3, A9-3.1 AND A9-3.2 FOR PARTITION TYPES
E. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS MUST BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS.
F. SEE CIVIL DRAWINGS FOR GRADING AND SHEET A0-5.0 FOR SIDEWALK INFORMATION.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		85	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025 PLANS APPROVAL DATE

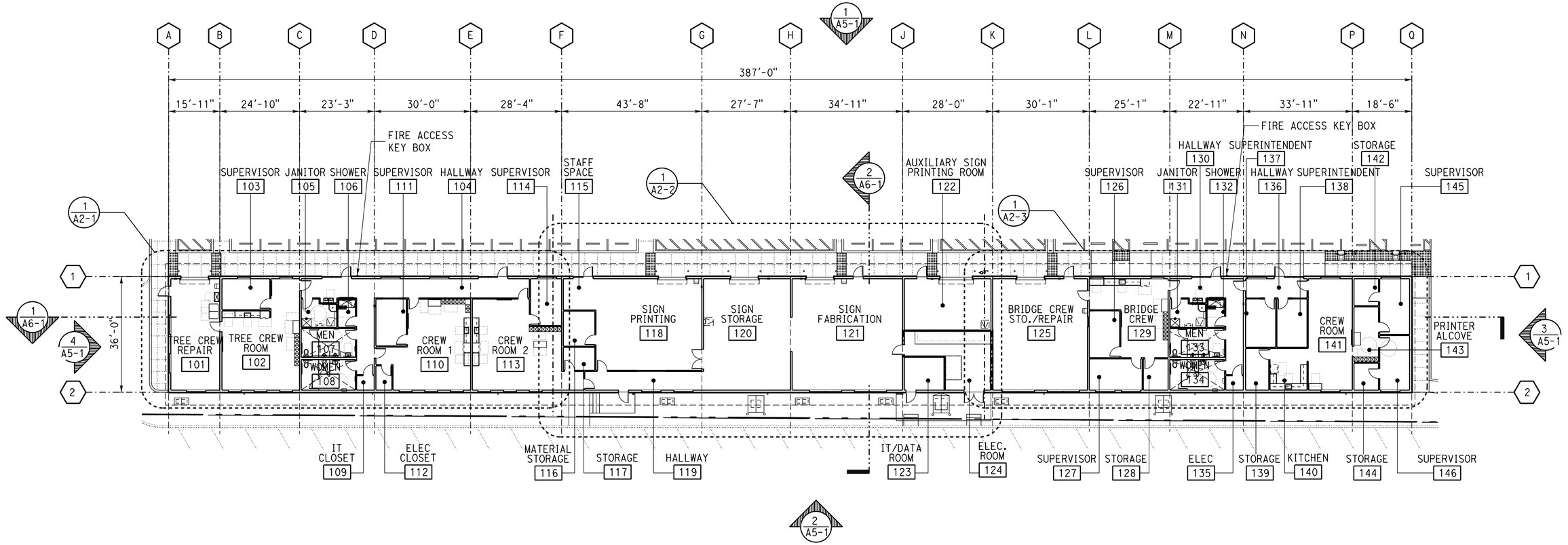
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 OVERALL FLOOR PLAN

SCALE 1/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A1-1	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	FLOOR PLAN	OVERALL FLOOR PLAN		
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
							V2	34	80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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NOTE

A. SEE SHEETS GP-2 FOR GENERAL NOTES
B. PLANS ARE DIMENSIONED TO FACE OF STUD UON
C. REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND NOTES WITHIN AREA OF BUBBLE
D. PARTITIONS ARE DIMENSIONED TO FACE OF FINISH UON
E. SEE A0-1.0 INTERIOR FINISH SCHEDULE AND ENLARGED CEILING PLAN FOR CEILING HEIGHT.

CEILING PLAN LEGEND

- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- (OC) OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- VENTILATION SUPPLY - SEE MECHANICAL DRAWINGS
- VENTILATION RETURN - SEE MECHANICAL DRAWINGS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS
- WALL MOUNTED SUPPLY HEADER - SEE MECHANICAL DRAWINGS
- (S) WALL MOUNTED LIGHT FIXTURE, - SEE ELECTRICAL DRAWINGS
- GYP BD CLG
- 2X4 CEILING TILE
- SKYLIGHT, SEE DETAIL 3/A9-8
- 30X30 ACCESS PANEL
- METAL TRUSS SEE STRUCT. DRWGS

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		86	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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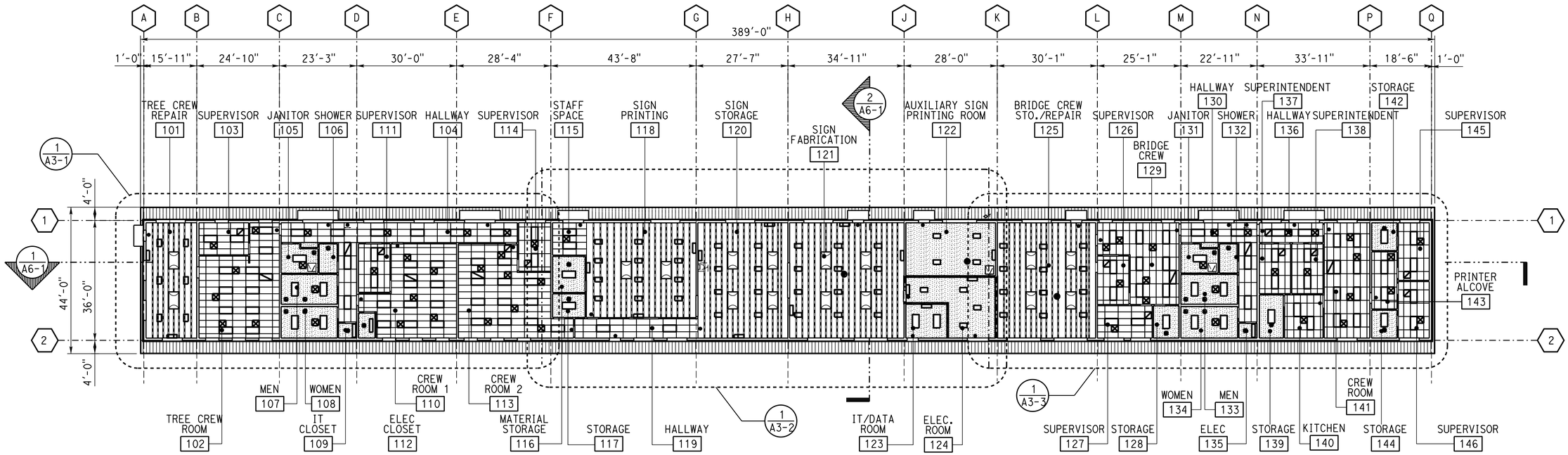
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 OVERALL REFLECTED CEILING PLAN

SCALE 1/16" = 1'-0"

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

CEILING PLAN — OVERALL REFLECTED CEILING PLAN

SHEET A1-2

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	35	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		87	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

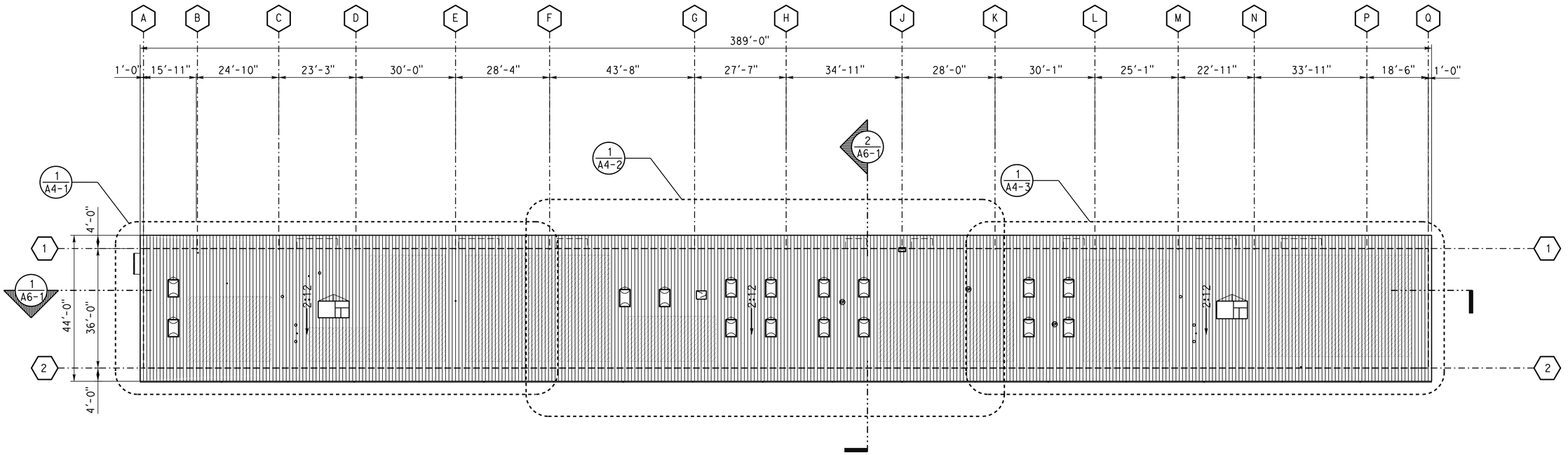
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

NOTE

A. SEE SHEETS GP-2 FOR GENERAL NOTES
B. PLANS ARE DIMENSIONED TO FACE OF STUD UON
C. REFER TO ENLARGED PLANS FOR DIMENSIONS, DETAIL REFERENCES, AND NOTES WITHIN AREA OF BUBBLE
D. PARTITIONS ARE DIMENSIONED TO FACE OF STUD UON

ROOF PLAN LEGEND

- SKYLIGHT, SEE DETAIL 3/A9-8
- EF — EXHUAST FAN, SEE MECHANICAL PLANS AND DETAIL 4/A9-7
- PHOTOVOLTAIC PANELS. SEE ELECTRICAL DRAWINGS
- ROOF ACCESS SEE 4/A9-10



1 OVERALL ROOF PLAN

SCALE 1/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET A1-3
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	ROOF PLAN — OVERALL ROOF PLAN	
QUANTITIES	BY	CHECKED					

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	36	80

7-JUL-2025 16:53

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GENERAL PLAN NOTES

A. REFER TO DETAIL REFERENCES, AND NOTES WITHIN AREA OF BUBBLE
B. PARTITIONS ARE DIMENSIONED TO FACE OF STUD UON
C. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
D. DOOR NUMBERS ARE THE SAME AS ROOM NUMBERS FOR THE ROOM IN WHICH THEY OCCUR/PROVIDE ACCESS
E. FOR WINDOW AND STOREFRONT SCHEDULE REFER TO SHEET A0-1.3
F. PROVIDE ROLLER SHADE FOR ALL CREW ROOM AND SUPERVISOR OFFICE EXTERIOR WINDOWS
G. REFER TO SHEET A9-3, A9-3.1AND A9-3.2 FOR PARTITION TYPES
H. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS MUST BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS.
I. SEE CIVIL DRAWINGS FOR GRADING AND A0-5.1 FOR HARDSCAPE INFORMATION.

PLAN LEGEND

- 2 HOUR FIRE RATED PARTITION
- (111) DOOR TAG (SEE SHEET A0-1.2 AND A0-1.3 FOR DOOR SCHEDULE)
- (W1) WINDOW TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- (S1) STOREFRONT TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- F.E.C. FIRE EXTINGUISHER CABINET SEE 10/A9-12
- FLOOR DRAIN SEE DETAIL 5/A9-12
- (XX.X) INTERIOR WALL TAG. SEE SHEET A9-3, A9-3.1 AND A9-3.2 FOR INTERIOR TYPE
- [XX] EXTERIOR WALL TAG. SEE SHEET A9-3.2 FOR EXTERIOR WALL TYPE

KEYNOTES

1. OVERHANG ABOVE
2. CONCRETE PAD
3. LOCKER
4. SERVICE SINK
5. PORTABLE EYE WASH REQUIREMENT SEE 2/A0-3.4 FOR SIM. CONDITION
6. WASHER AND DRYER NIC
7. HVAC PER MECH. DRAWINGS
8. COMPRESSOR PER MECH. DRAWINGS
9. TRANSFORMER PER ELEC. DRAWINGS
10. ROOF HATCH LADDER
11. ACCESS PANEL

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		88	289

LICENSED ARCHITECT — 07-22-24 DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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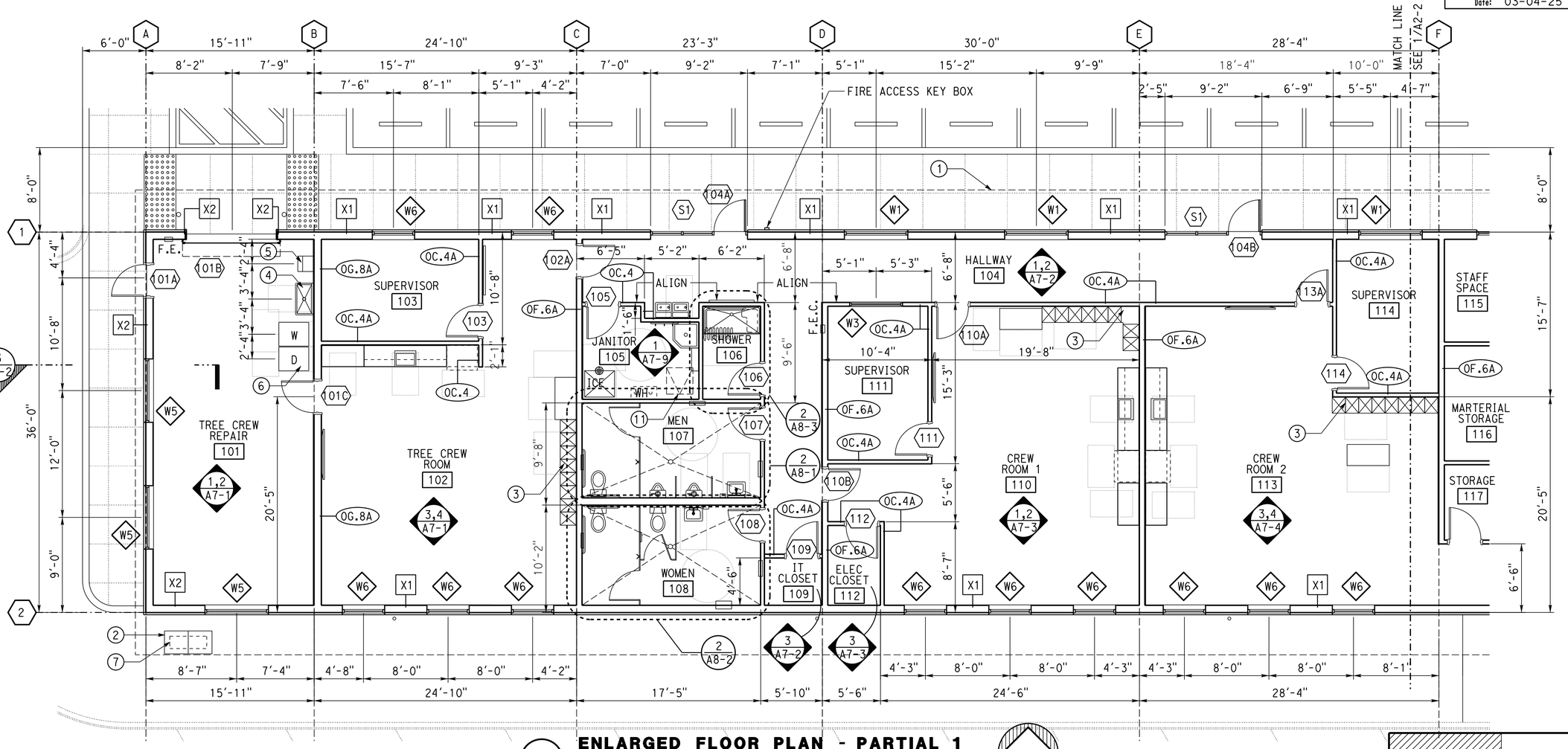
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

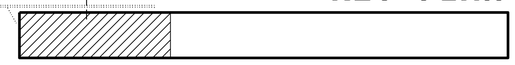
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED FLOOR PLAN - PARTIAL 1

SCALE 3/16" = 1'-0"

KEY PLAN



	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED FLOOR PLAN - PARTIAL 1

SHEET A2-1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	37	80

7-JUL-2025 16:53

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GENERAL PLAN NOTES

A. REFER TO DETAIL REFERENCES, AND NOTES WITHIN AREA OF BUBBLE
B. PARTITIONS ARE DIMENSIONED TO FACE OF STUD UON
C. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
D. DOOR NUMBERS ARE THE SAME AS ROOM NUMBERS FOR THE ROOM IN WHICH THEY OCCUR/PROVIDE ACCESS
E. FOR WINDOW AND STOREFRONT SCHEDULE REFER TO SHEET A0-1.3
F. PROVIDE ROLLER SHADE FOR ALL CREW ROOM AND SUPERVISOR OFFICE EXTERIOR WINDOWS
G. REFER TO SHEET A9-3, A9-3.1AND A9-3.2 FOR PARTITION TYPES
H. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS MUST BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS.
I. SEE CIVIL DRAWINGS FOR GRADING AND A0-5.1 FOR HARDSCAPE INFORMATION.

PLAN LEGEND

- 2 HOUR FIRE RATED PARTITION
- 111 — DOOR TAG (SEE SHEET A0-1.2 AND A0-1.3 FOR DOOR SCHEDULE)
- W1 — WINDOW TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- S1 — STOREFRONT TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- F.E.C. — FIRE EXTINGUISHER CABINET SEE 10/A9-12
- FLOOR DRAIN SEE DETAIL 5/A9-12
- XX.X — INTERIOR WALL TAG. SEE SHEET A9-3, A9-3.1 AND A9-3.2 FOR INTERIOR TYPE
- XX — EXTERIOR WALL TAG. SEE SHEET A9-3.2 FOR EXTERIOR WALL TYPE

KEYNOTES

1. OVERHANG ABOVE
2. CONCRETE PAD
3. LOCKER
4. SERVICE SINK
5. PORTABLE EYE WASH REQUIREMENT SEE 2/A0-3.4 FOR SIM. CONDITION
6. WASHER AND DRYER NIC
7. HVAC PER MECH. DRAWINGS
8. COMPRESSOR PER MECH. DRAWINGS
9. TRANSFORMER PER ELEC. DRAWINGS
10. ROOF HATCH LADDER
11. ACCESS PANEL

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		89	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025 PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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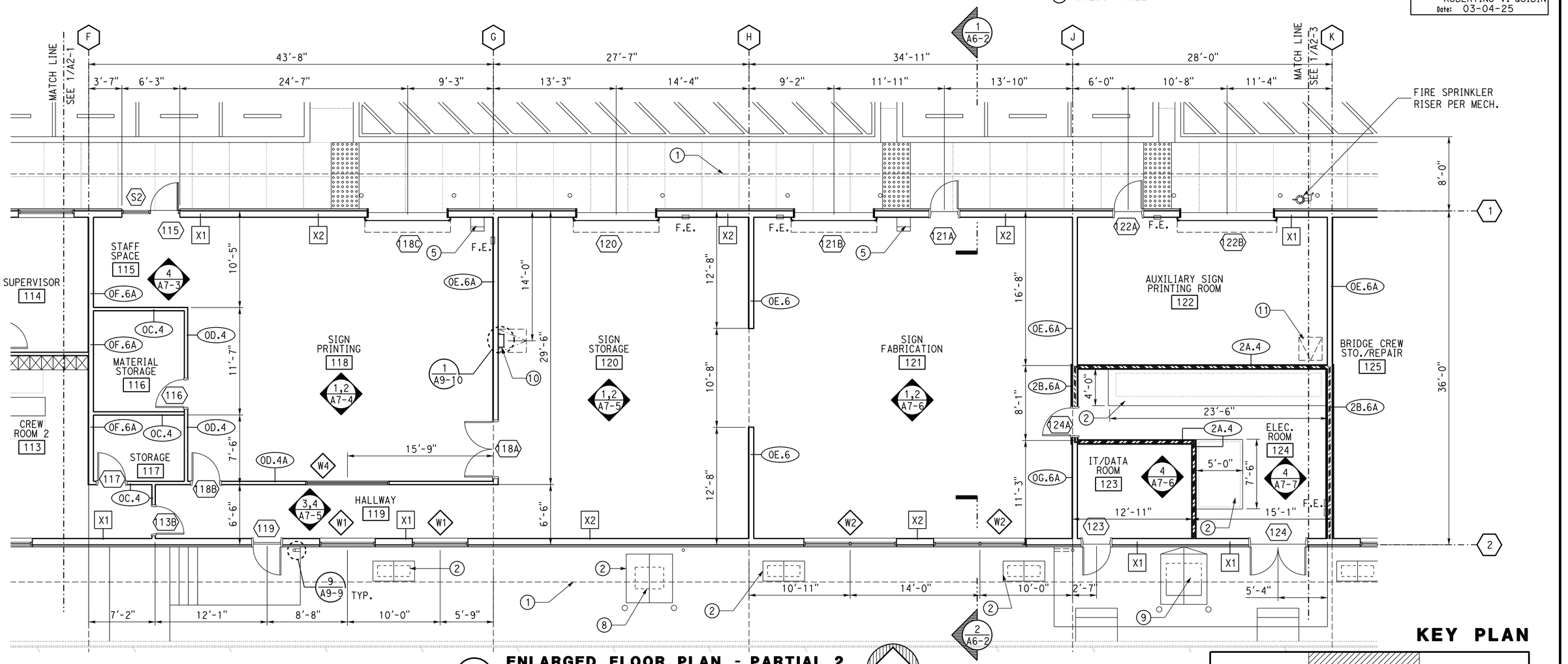
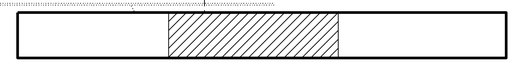
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID 0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



KEY PLAN



1 ENLARGED FLOOR PLAN - PARTIAL 2

SCALE 3/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN
QUANTITIES	BY	CHECKED	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED FLOOR PLAN - PARTIAL 2

SHEET A2-2

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

VERSION	SHEET	OF
V2	38	80

TAEMWW Imperial - CCSC Rev. 10/20

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GENERAL PLAN NOTES

A. REFER TO DETAIL REFERENCES, AND NOTES WITHIN AREA OF BUBBLE
B. PARTITIONS ARE DIMENSIONED TO FACE OF STUD UON
C. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
D. DOOR NUMBERS ARE THE SAME AS ROOM NUMBERS FOR THE ROOM IN WHICH THEY OCCUR/PROVIDE ACCESS
E. FOR WINDOW AND STOREFRONT SCHEDULE REFER TO SHEET A0-1.3
F. PROVIDE ROLLER SHADE FOR ALL CREW ROOM AND SUPERVISOR OFFICE EXTERIOR WINDOWS
G. REFER TO SHEET A9-3, A9-3.1AND A9-3.2 FOR PARTITION TYPES
H. ANNULAR SPACES AROUND PIPES, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS MUST BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR SIMILAR METHODS.
I. SEE CIVIL DRAWINGS FOR GRADING AND A0-5.1 FOR HARDSCAPE INFORMATION.

PLAN LEGEND

- 2 HOUR FIRE RATED PARTITION
- (111) DOOR TAG (SEE SHEET A0-1.2 AND A0-1.3 FOR DOOR SCHEDULE)
- W1 WINDOW TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- S1 STOREFRONT TAG (SEE SHEET A0-1.3 FOR WINDOW SCHEDULE)
- F.E.C. FIRE EXTINGUISHER CABINET SEE 10/A9-12
- FLOOR DRAIN SEE DETAIL 5/A9-12
- XX.X INTERIOR WALL TAG. SEE SHEET A9-3, A9-3.1 AND A9-3.2 FOR INTERIOR TYPE
- XX EXTERIOR WALL TAG. SEE SHEET A9-3.2 FOR EXTERIOR WALL TYPE

KEYNOTES

1. OVERHANG ABOVE
2. CONCRETE PAD
3. LOCKER
4. SERVICE SINK
5. PORTABLE EYE WASH REQUIREMENT SEE 2/A0-3.4 FOR SIM. CONDITION
6. WASHER AND DRYER NIC
7. HVAC PER MECH. DRAWINGS
8. COMPRESSOR PER MECH. DRAWINGS
9. TRANSFORMER PER ELEC. DRAWINGS
10. ROOF HATCH LADDER
11. ACCESS PANEL

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		90	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025 PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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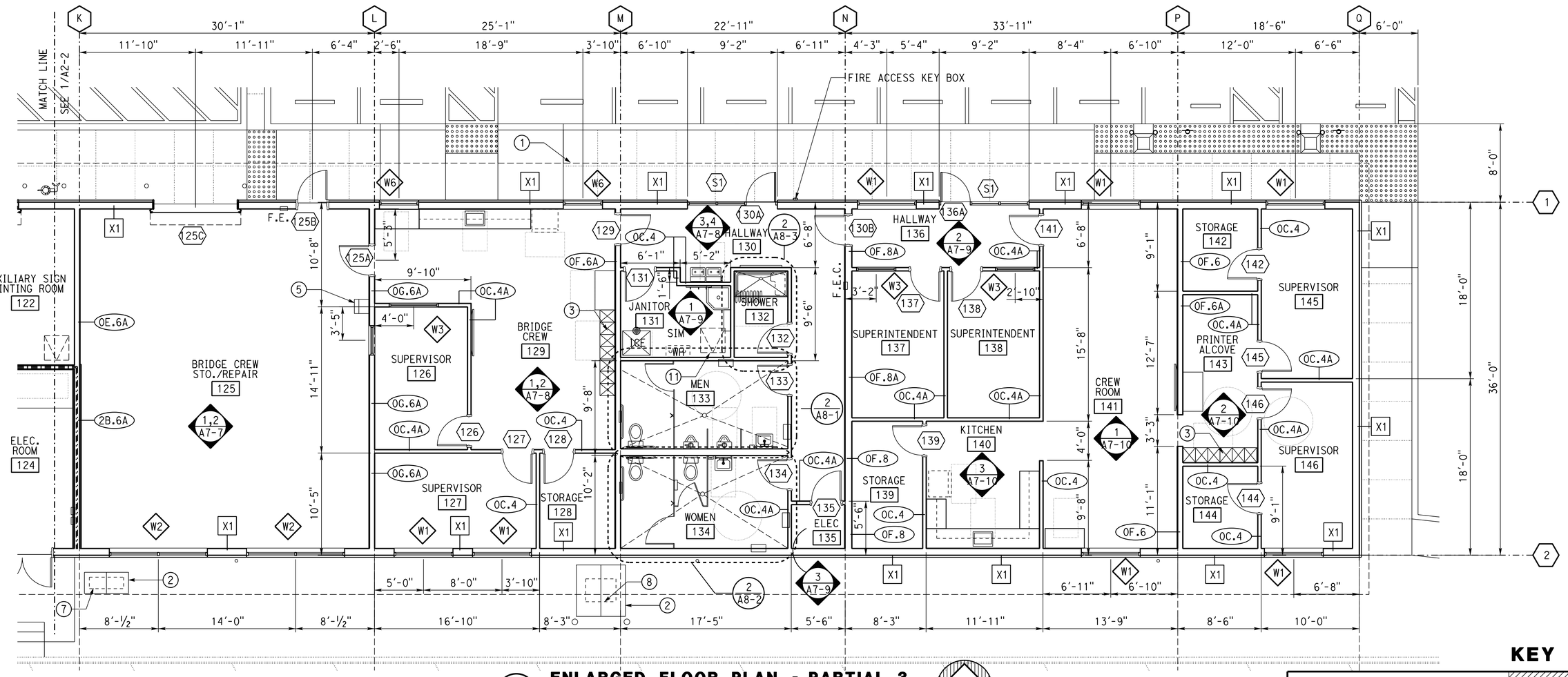
ACCESSIBILITY DESIGN APPROVAL DOT / DES / OTA

PROJECT ID **0618000065**

Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



KEY PLAN

1 ENLARGED FLOOR PLAN - PARTIAL 3

SCALE 3/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED FLOOR PLAN - PARTIAL 3

SHEET **A2-3**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

VERSION	SHEET	OF
V2	39	80

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		91	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
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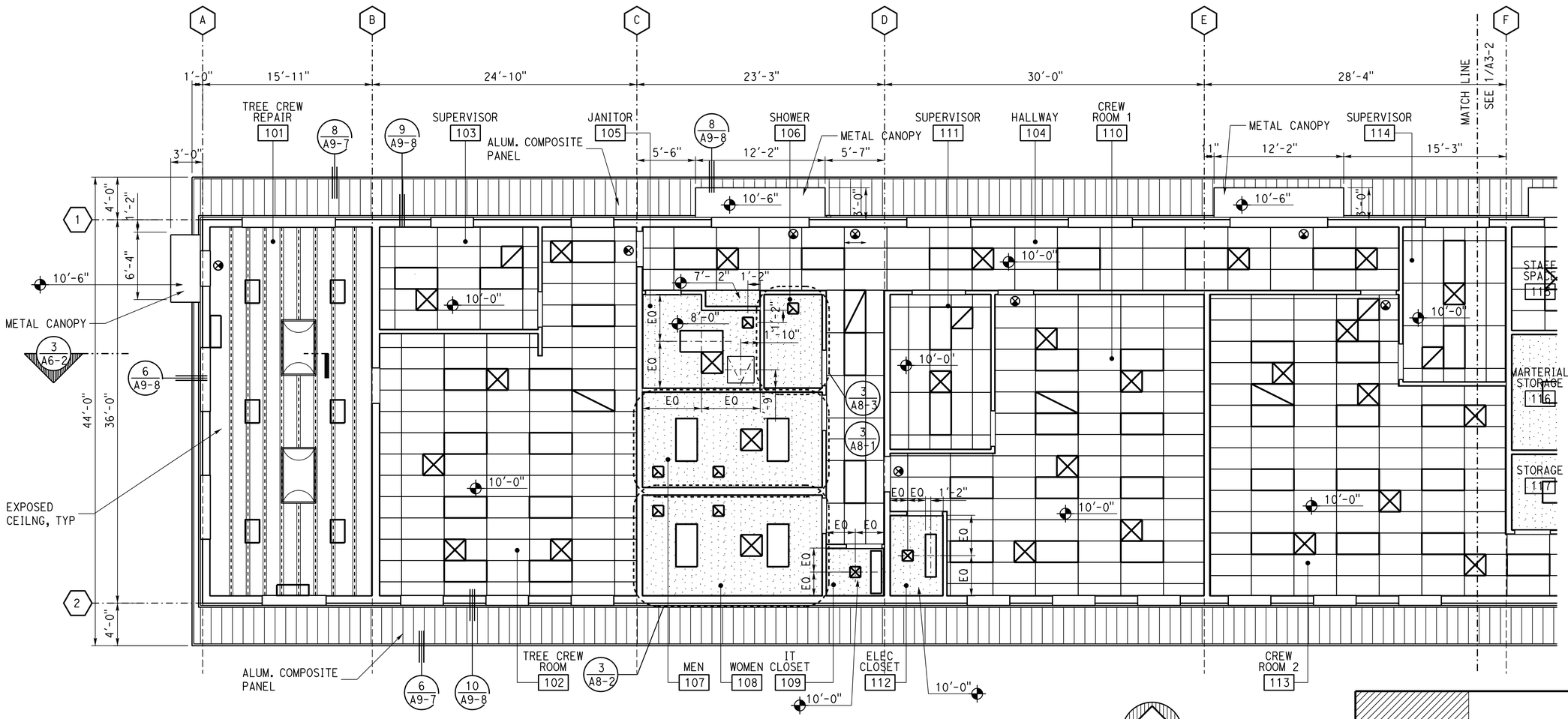
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

CEILING PLAN LEGEND

- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- (OC) OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- VENTILATION SUPPLY - SEE MECHANICAL DRAWINGS
- VENTILATION RETURN - SEE MECHANICAL DRAWINGS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS
- WALL MOUNTED SUPPLY HEADER - SEE MECHANICAL DRAWINGS
- (S) WALL MOUNTED LIGHT FIXTURE, - SEE ELECTRICAL DRAWINGS
- GYP BD CLG
- 2X4 CEILING TILE
- SKYLIGHT, SEE DETAIL 3/A9-8
- 30X30 ACCESS PANEL
- METAL TRUSS SEE STRUCT. DRWGS



1 ENLARGED REFLECTED CEILING PLAN - PARTIAL 1

SCALE 3/16" = 1'-0"

KEY PLAN

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: ENLARGED REFLECTED CEILING PLAN - PARTIAL 1

SHEET A3-1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	40	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:53

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		92	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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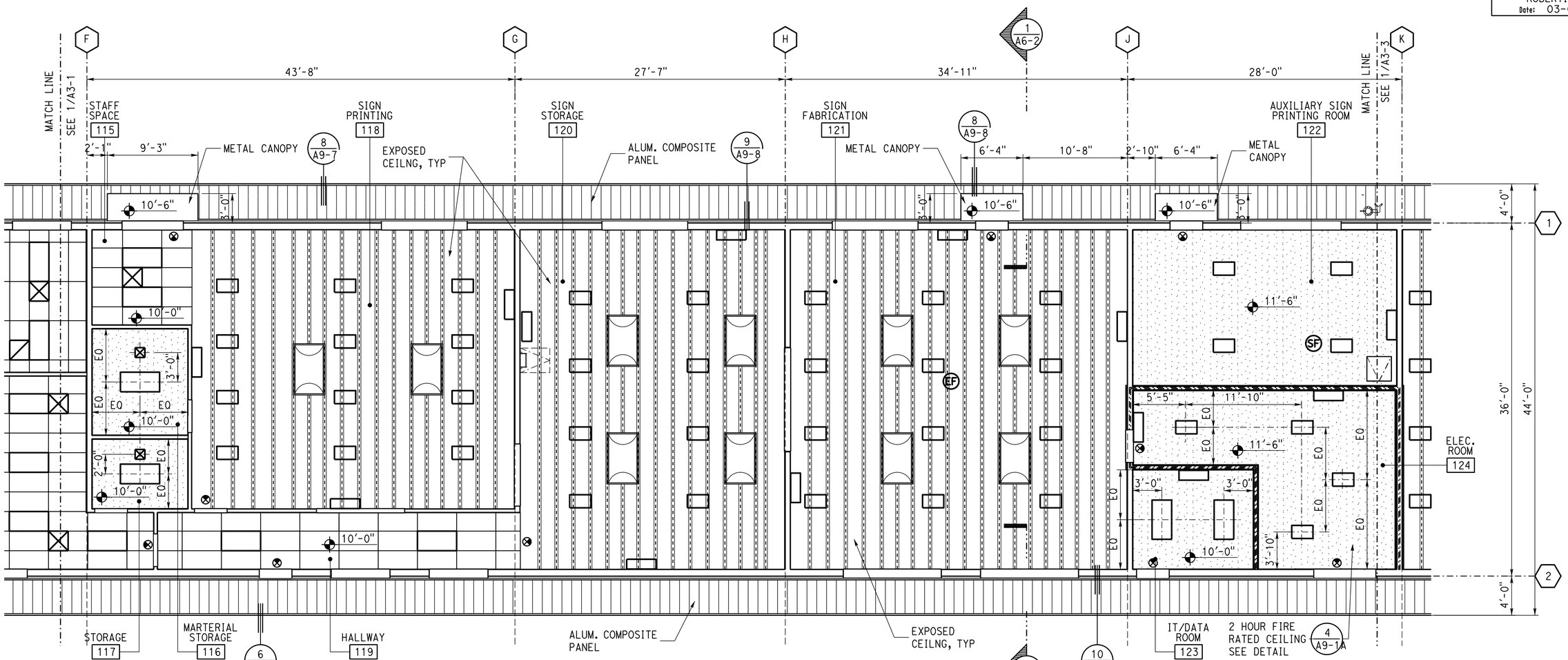
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

CEILING PLAN LEGEND

- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- (OC) OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- VENTILATION SUPPLY - SEE MECHANICAL DRAWINGS
- VENTILATION RETURN - SEE MECHANICAL DRAWINGS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS
- WALL MOUNTED SUPPLY HEADER - SEE MECHANICAL DRAWINGS
- (S) WALL MOUNTED LIGHT FIXTURE, - SEE ELECTRICAL DRAWINGS
- GYP BD CLG
- 2X4 CEILING TILE
- SKYLIGHT, SEE DETAIL 3/A9-8
- 30X30 ACCESS PANEL
- METAL TRUSS SEE STRUCT. DRWGS



1 ENLARGED REFLECTED CEILING FLOOR PLAN - PARTIAL 2
SCALE 3/16" = 1'-0"

KEY PLAN

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED REFLECTED CEILING PLAN - PARTIAL 2

SHEET **A3-2**

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 41 | 80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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CEILING PLAN LEGEND

- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
- (OC) OCCUPANCY SENSOR - SEE ELECTRICAL DRAWINGS
- EXIT LIGHT - SEE ELECTRICAL DRAWINGS
- VENTILATION SUPPLY - SEE MECHANICAL DRAWINGS
- VENTILATION RETURN - SEE MECHANICAL DRAWINGS
- EXHAUST FAN - SEE MECHANICAL DRAWINGS
- WALL MOUNTED SUPPLY HEADER - SEE MECHANICAL DRAWINGS
- (S) WALL MOUNTED LIGHT FIXTURE, - SEE ELECTRICAL DRAWINGS
- GYP BD CLG
- 2X4 CEILING TILE
- SKYLIGHT, SEE DETAIL 3/A9-8
- 30X30 ACCESS PANEL
- METAL TRUSS SEE STRUCT. DRWGS

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		93	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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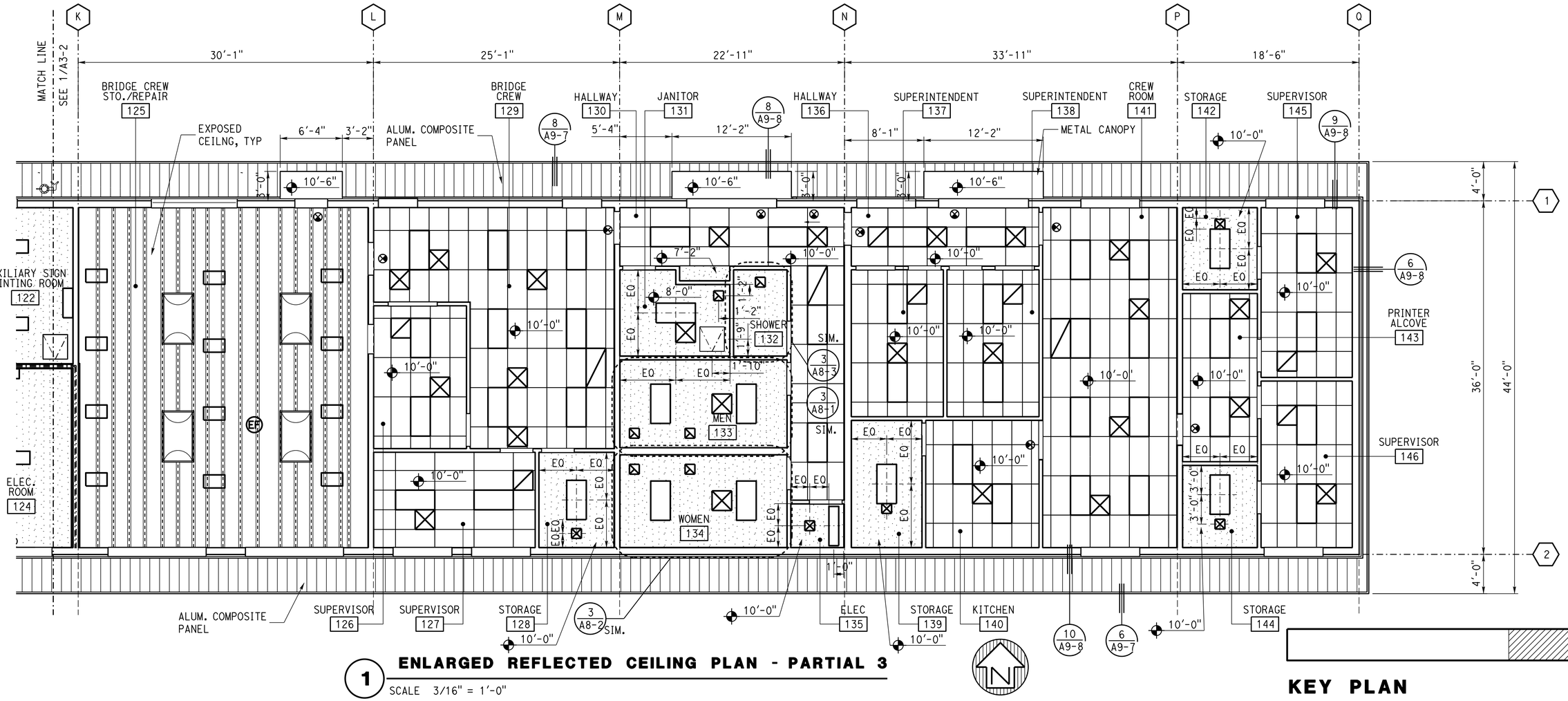
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED REFLECTED CEILING PLAN - PARTIAL 3

SCALE 3/16" = 1'-0"

KEY PLAN

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED REFLECTED CEILING PLAN - PARTIAL 3

SHEET **A3-3**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	42	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		94	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

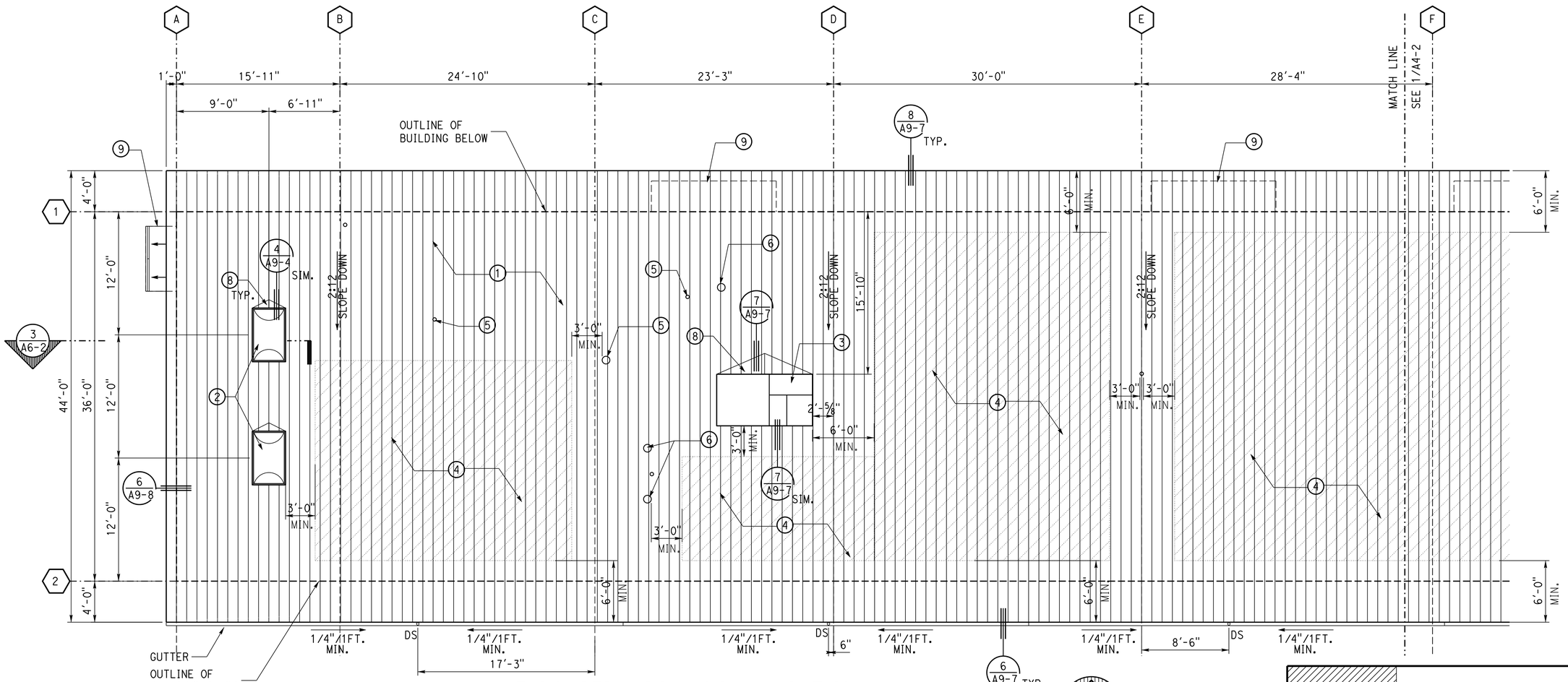
Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

ROOF PLAN NOTES

A. STANDING SEAM ROOFING OVER WATER PROOFING OVER PROTECTION BOARD OVER AVERAGE R-30 RIGID INSULATION, SEE ROOF ASSEMBLY
B. INSTALLATION OF ROOFING MUST BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

KEYNOTES

1. STANDING SEAM ROOFING.SEE DETAIL 3/A9-7 FOR ROOF ASSEMBLY
2. SKYLIGHT (SLOPED GLAZING) 3/A9-8
3. HVAC UNIT SEE MECH DRAWINGS
4. SHADED AREA TO BE INSTALLED W/ PHOTOVOLTAIC PANELS, SEE ELEC DRAWINGS FOR PANEL COUNTS AND PANEL LAYOUT. MOUNTING SYSTEM SEE 1/A9-7
5. PLUMBING VENT THRU ROOF 2/A9-7
6. EXHAUST VENT THRU ROOF 4/A9-7
7. WEATHER STATION PER ELECTRICAL DRAWINGS.
8. ROOF CRICKET
9. METAL CANOPY BELOW SEE 11/A9-8



1 ENLARGED ROOF PLAN - PARTIAL 1
SCALE 3/16" = 1'-0"

KEY PLAN

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET A4-1
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	FLOOR PLAN: ENLARGED ROOF PLAN - PARTIAL 1	
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION V2 / SHEET 43 / OF 80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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ROOF PLAN NOTES

A. STANDING SEAM ROOFING OVER WATER PROOFING OVER PROTECTION BOARD OVER AVERAGE R-30 RIGID INSULATION, SEE ROOF ASSEMBLY
B. INSTALLATION OF ROOFING MUST BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

KEYNOTES

1. STANDING SEAM ROOFING.SEE DETAIL 3/A9-7 FOR ROOF ASSEMBLY
2. SKYLIGHT (SLOPED GLAZING) 3/A9-8
3. HVAC UNIT SEE MECH DRAWINGS
4. SHADED AREA TO BE INSTALLED W/ PHOTOVOLTAIC PANELS, SEE ELEC DRAWINGS FOR PANEL COUNTS AND PANEL LAYOUT. MOUNTING SYSTEM SEE 1/A9-7
5. PLUMBING VENT THRU ROOF 2/A9-7
6. EXHAUST VENT THRU ROOF 4/A9-7
7. WEATHER STATION PER ELECTRICAL DRAWING
8. ROOF CRICKET
9. METAL CANOPY BELOW SEE 11/A9-8

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		95	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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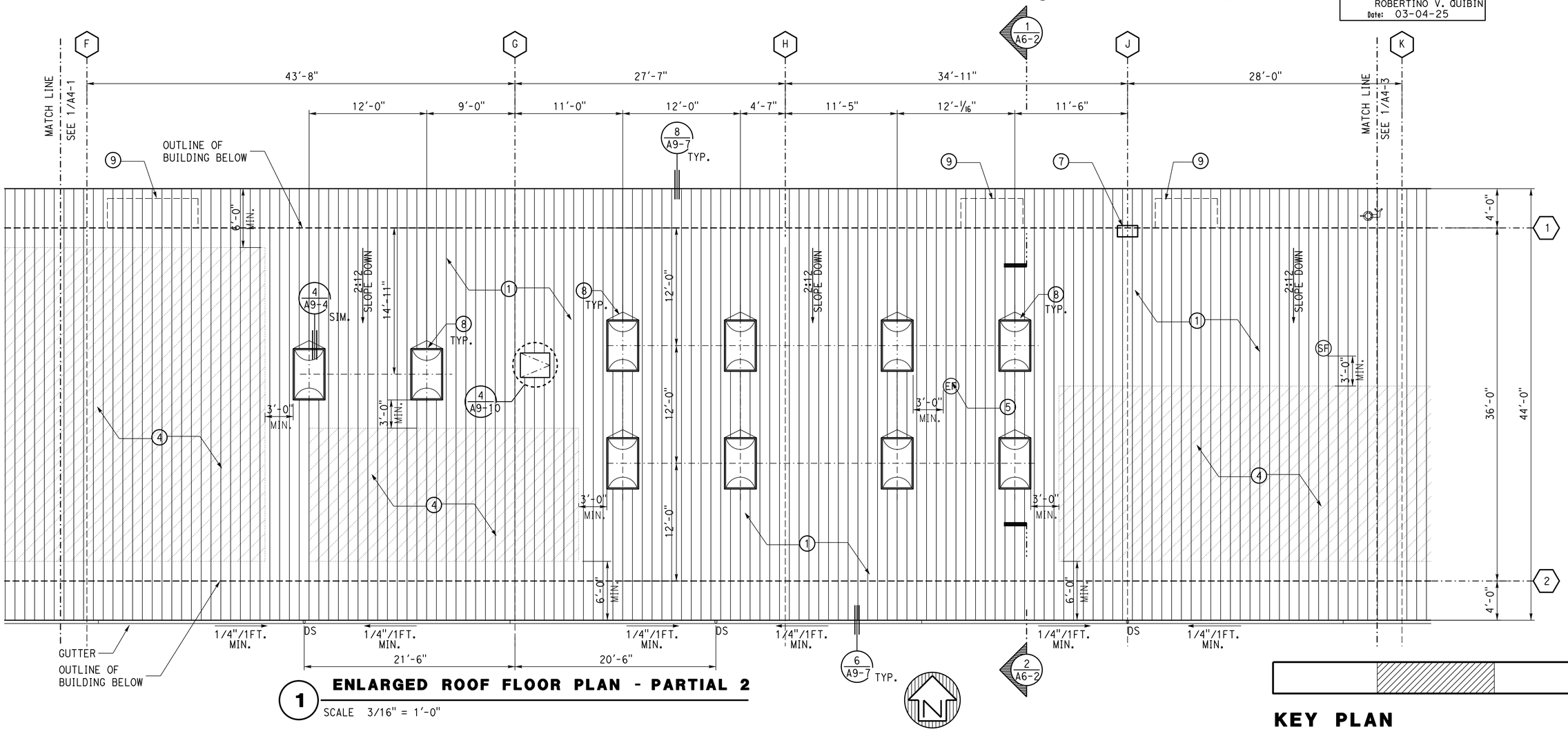
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED ROOF FLOOR PLAN - PARTIAL 2
SCALE 3/16" = 1'-0"

KEY PLAN

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: ENLARGED ROOF PLAN - PARTIAL 2

SHEET A4-2

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	44	80

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ROOF PLAN NOTES

A. STANDING SEAM ROOFING OVER WATER PROOFING OVER PROTECTION BOARD OVER AVERAGE R-30 RIGID INSULATION, SEE ROOF ASSEMBLY
B. INSTALLATION OF ROOFING MUST BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS

KEYNOTES

1. STANDING SEAM ROOFING.SEE DETAIL 3/A9-7 FOR ROOF ASSEMBLY
2. SKYLIGHT (SLOPED GLAZING) 3/A9-8
3. HVAC UNIT SEE MECH DRAWINGS
4. SHADED AREA TO BE INSTALLED W/ PHOTOVOLTAIC PANELS, SEE ELEC DRAWINGS FOR PANEL COUNTS AND PANEL LAYOUT. MOUNTING SYSTEM SEE 1/A9-7
5. PLUMBING VENT THRU ROOF 2/A9-7
6. EXHAUST VENT THRU ROOF 4/A9-7
7. WEATHER STATION PER ELECTRICAL DRAWINGS.
8. ROOF CRICKET
9. METAL CANOPY BELOW SEE 11/A9-8

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		96	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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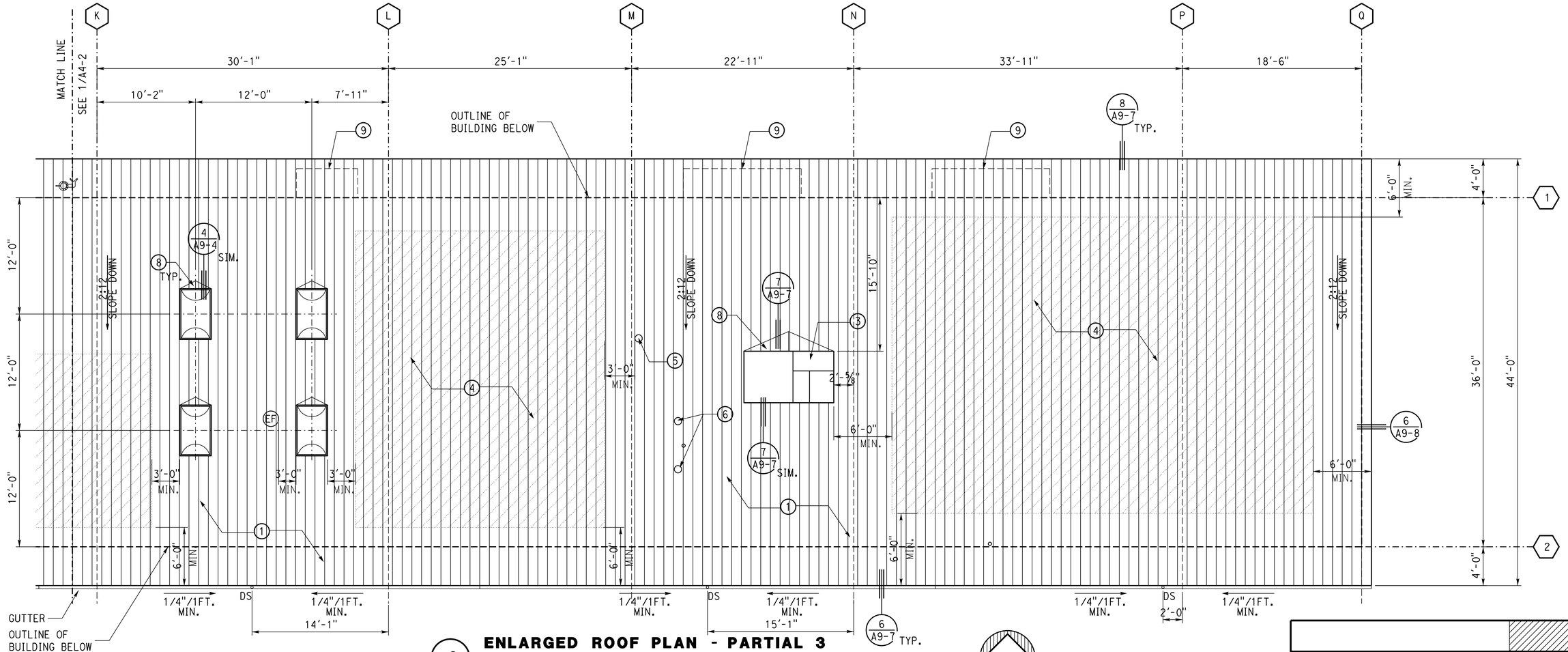
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



1 ENLARGED ROOF PLAN - PARTIAL 3
SCALE 3/16" = 1'-0"

KEY PLAN

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: ENLARGED ROOF PLAN - PARTIAL 3

SHEET **A4-3**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

VERSION	SHEET	OF
V2	45	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		97	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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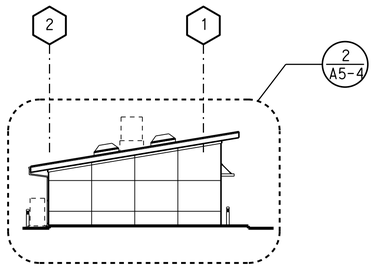
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

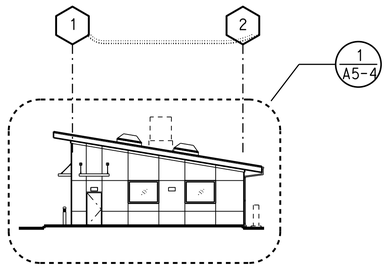
GENERAL ELEVATION NOTES

A. FINISH FLOOR ELEVATIONS ARE NOMINAL. REFER TO FLOOR PLANS FOR DETAILED FINISH FLOOR CALLOUTS.
B. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
C. REFER TO SHEET A0-1.3 FOR WINDOW TYPES.
D. FOR WINDOW DETAILS, SEE SHEET A9-4 THROUGH A9-6
E. FOR EXTERIOR DETAIL REFER TO WALL SECTION (TYPICAL)
F. FOR EXTERIOR COLOR REFER TO COLOR SCHEDULE ON SHEET A0-1.1



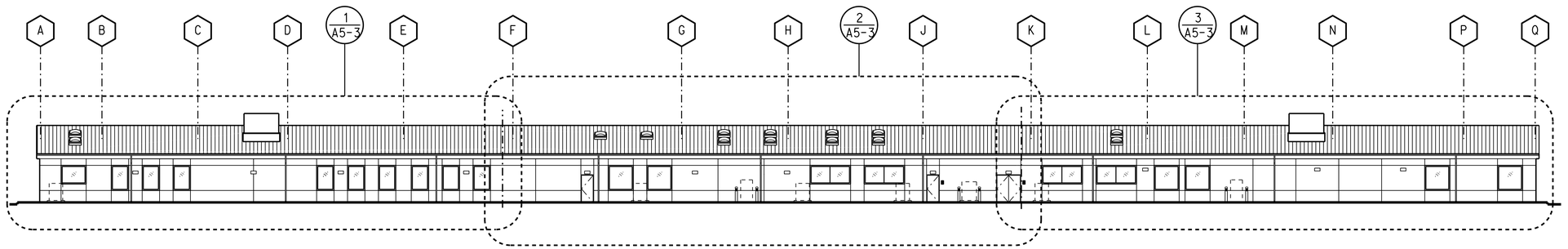
3 OVERALL EXTERIOR ELEVATION EAST

SCALE 1/16" = 1'-0"



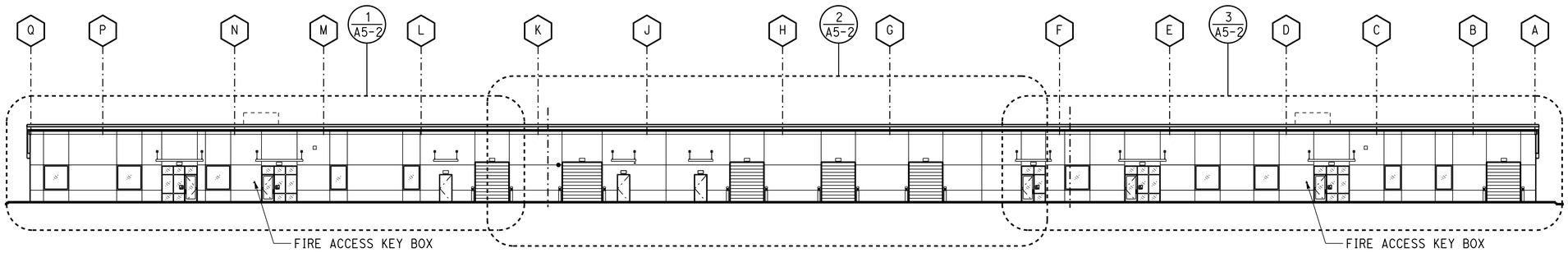
4 OVERALL EXTERIOR ELEVATION WEST

SCALE 1/16" = 1'-0"



2 OVERALL EXTERIOR ELEVATION SOUTH

SCALE 1/16" = 1'-0"



1 OVERALL EXTERIOR ELEVATION - NORTH

SCALE 1/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

EXTERIOR ELEVATION — OVERALL EXTERIOR ELEVATIONS

SHEET A5-1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	46	80

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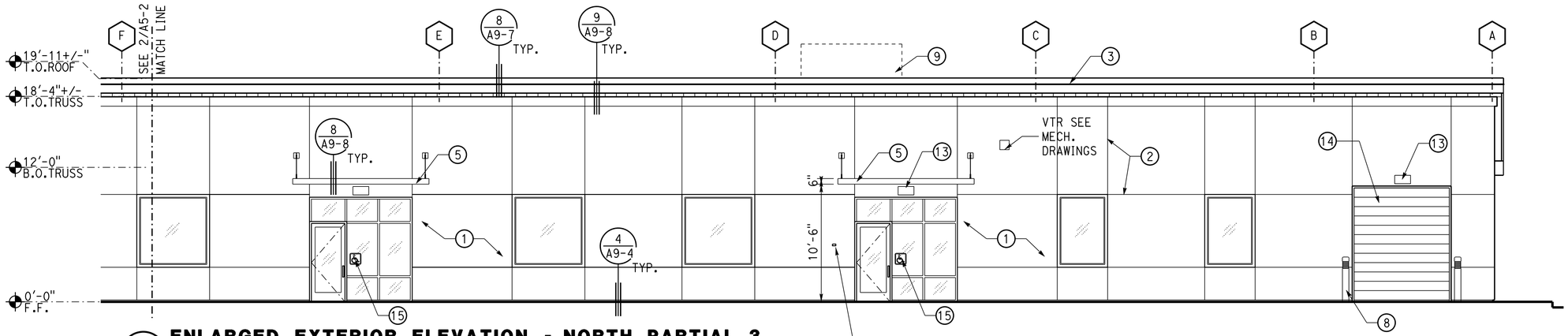
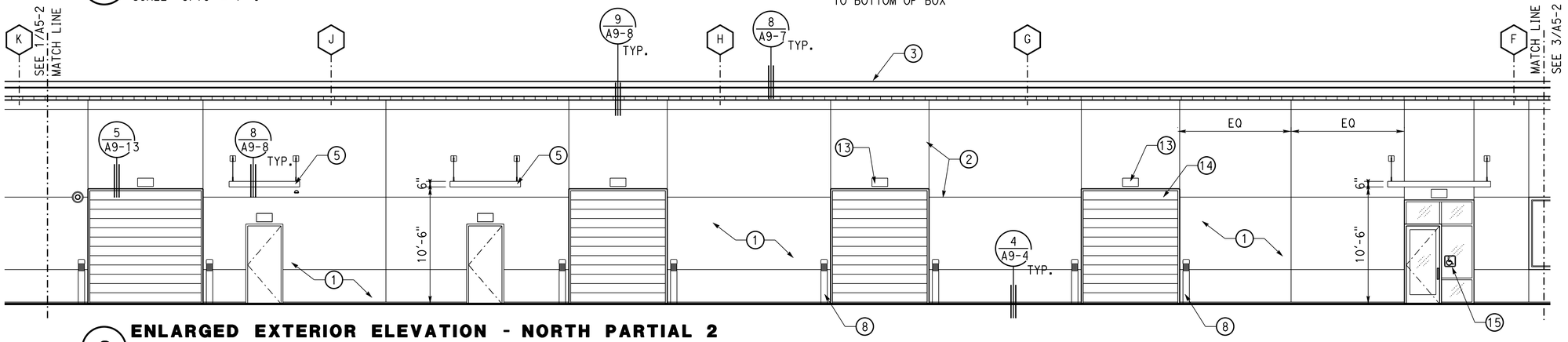


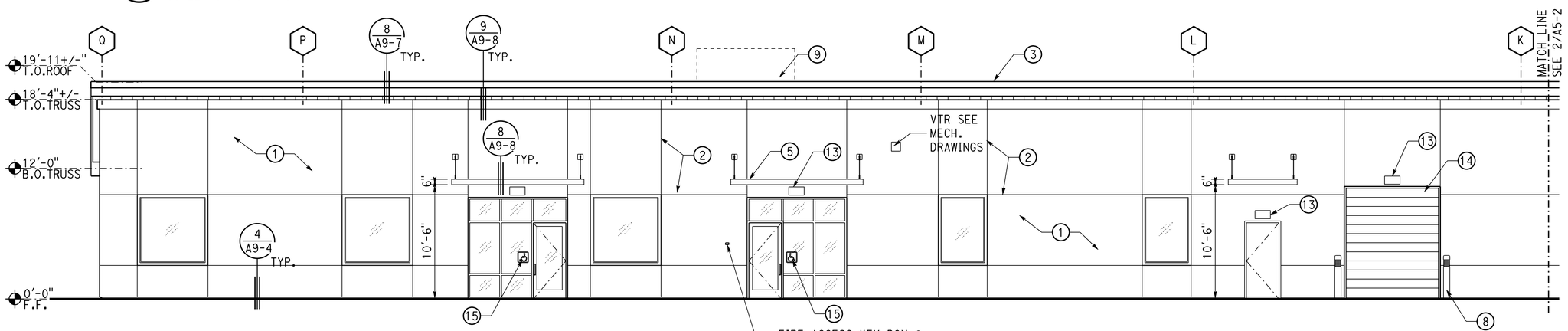
3 ENLARGED EXTERIOR ELEVATION - NORTH PARTIAL 3

SCALE 3/16" = 1'-0"



2 ENLARGED EXTERIOR ELEVATION - NORTH PARTIAL 2

SCALE 3/16" = 1'-0"



1 ENLARGED EXTERIOR ELEVATION - NORTH PARTIAL 1

SCALE 3/16" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		98	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

LEGEND

GLASS

KEYNOTES

1. EIFS (3/A9-4) (5/A9-4)
2. VERT AND HORIZ REVEALS (1/A9-4) (2/A9-4)
3. STANDING SEAM ROOF SEE DETAIL (3/A9-7)
4. SKYLIGHT
5. METAL CAPNOPY
6. DOWNSPOUT
7. GUTTER
8. GUARD POST SEE STRUCT. DRAWING
9. HVAC PER MECH. DRAWINGS
10. OUTDOOR UNIT PER MECH DRAWINGS
11. AIR COMPRESSOR PER MECH. DRAWINGS
12. TRANSFORMER PER ELEC. DRAWINGS
13. EXTERIOR LIGHTING SEE ELEC. DRAWINGS
14. OVERHEAD COILING DOOR.
15. ACCESSBILITY SIGN SEE 6/AO-3.3
16. NO SMOKING SIGN SEE 9/AO-3.3

GENERAL ELEVATION NOTES

A. FINISH FLOOR ELEVATIONS ARE NOMINAL. REFER TO FLOOR PLANS FOR DETAILED FINISH FLOOR CALLOUTS.
B. FOR DOOR SCHEDULE REFER TO SHEET AO-1.2 AND AO-1.3
C. REFER TO SHEET AO-1.3 FOR WINDOW TYPES.
D. FOR WINDOW DETAILS, SEE SHEET A9-4 THROUGH A9-6
E. FOR EXTERIOR DETAIL REFER TO WALL SECTION (TYPICAL)
F. FOR EXTERIOR COLOR REFER TO COLOR SCHEDULE ON SHEET AO-1.1

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXTERIOR ELEVATION — ENLARGED EXTERIOR ELEVATIONS

SHEET A5-2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 47 | 80

TAEMWW Imperial - CCSC Rev. 10/20

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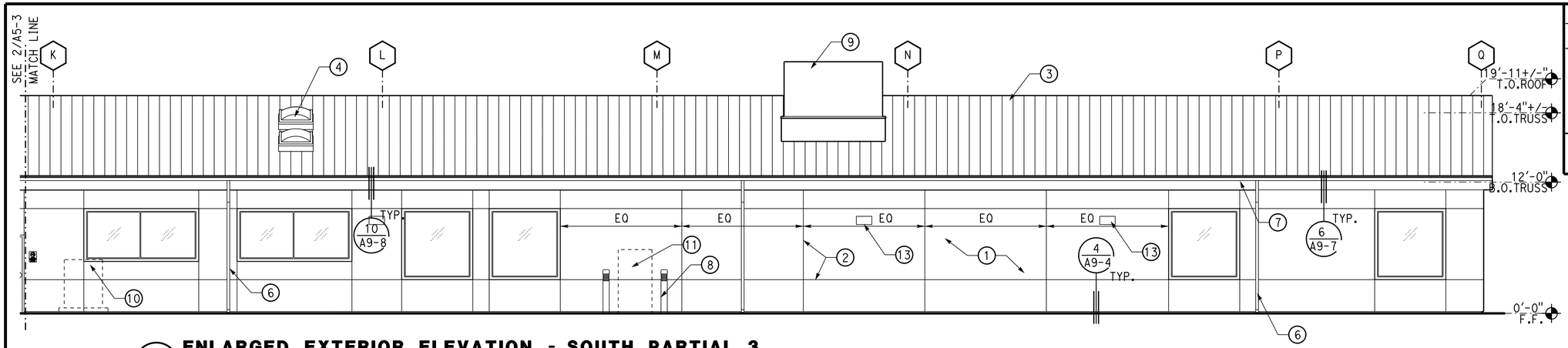
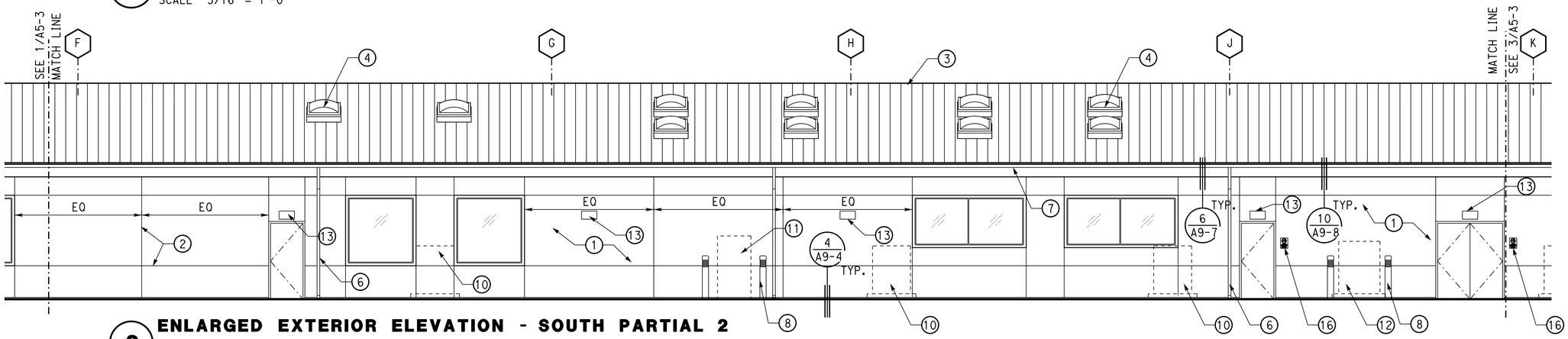


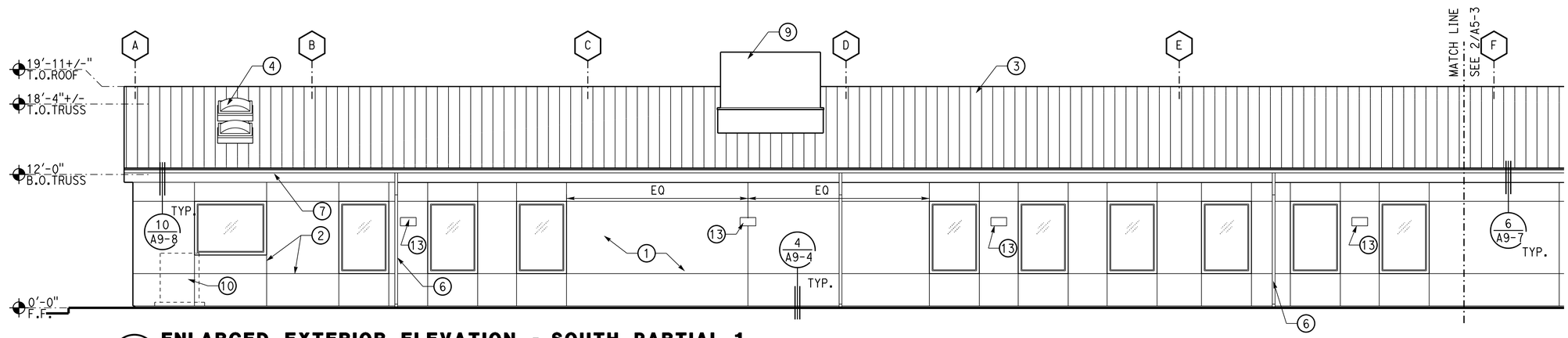
3 ENLARGED EXTERIOR ELEVATION - SOUTH PARTIAL 3

SCALE 3/16" = 1'-0"



2 ENLARGED EXTERIOR ELEVATION - SOUTH PARTIAL 2

SCALE 3/16" = 1'-0"



1 ENLARGED EXTERIOR ELEVATION - SOUTH PARTIAL 1

SCALE 3/16" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		99	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 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
0618000065

Reviewed by: Robertino V. Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

LEGEND

GLASS

KEYNOTES

1. EIFS (3/A9-4) (5/A9-4)
2. VERT AND HORIZ REVEALS (1/A9-4) (2/A9-4)
3. STANDING SEAM ROOF SEE DETAIL (3/A9-7)
4. SKYLIGHT
5. METAL CAPNOPY
6. DOWNSPOUT
7. GUTTER
8. GUARD POST SEE STRUCT. DRAWING
9. HVAC PER MECH. DRAWINGS
10. OUTDOOR UNIT PER MECH DRAWINGS
11. AIR COMPRESSOR PER MECH. DRAWINGS
12. TRANSFORMER PER ELEC. DRAWINGS
13. EXTERIOR LIGHTING SEE ELEC. DRAWINGS
14. OVERHEAD COILING DOOR.
15. ACCESSBILITY SIGN SEE 6/A0-3.3
16. NO SMOKING SIGN SEE 9/A0-3.3

GENERAL ELEVATION NOTES

A. FINISH FLOOR ELEVATIONS ARE NOMINAL. REFER TO FLOOR PLANS FOR DETAILED FINISH FLOOR CALLOUTS.
B. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
C. REFER TO SHEET A0-1.3 FOR WINDOW TYPES.
D. FOR WINDOW DETAILS, SEE SHEET A9-4 THROUGH A9-6
E. FOR EXTERIOR DETAIL REFER TO WALL SECTION (TYPICAL)
F. FOR EXTERIOR COLOR REFER TO COLOR SCHEDULE ON SHEET A0-1.1

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXTERIOR ELEVATION — ENLARGED EXTERIOR ELEVATIONS

SHEET **A5-3**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	48	80

7-JUL-2025 16:54

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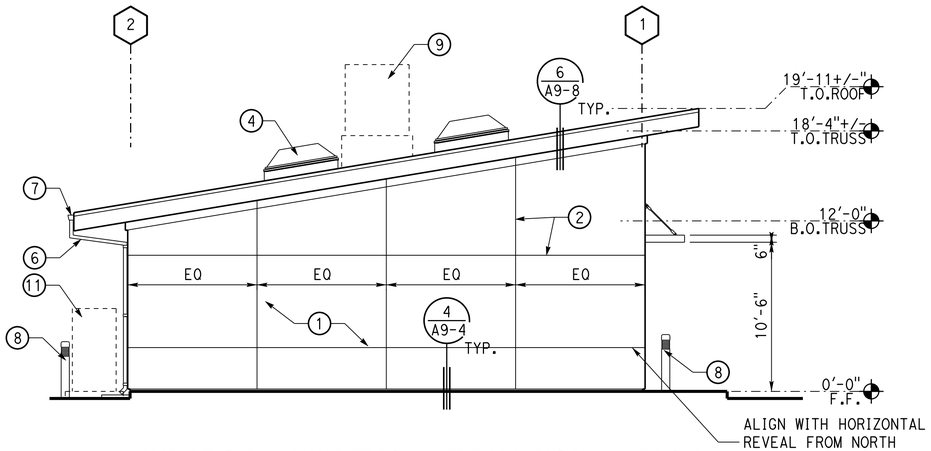
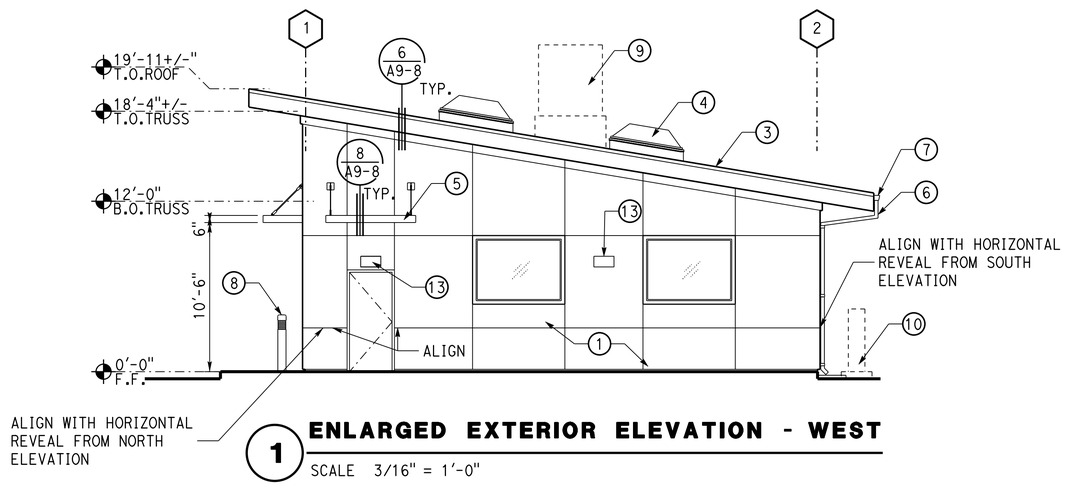


2 ENLARGED EXTERIOR ELEVATION - EAST

SCALE 3/16" = 1'-0"



1 ENLARGED EXTERIOR ELEVATION - WEST

SCALE 3/16" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		100	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

LEGEND

GLASS

KEYNOTES

1. EIFS (3/A9-4) (5/A9-4)
2. VERT AND HORIZ REVEALS (1/A9-4) (2/A9-4)
3. STANDING SEAM ROOF SEE DETAIL (3/A9-7)
4. SKYLIGHT
5. METAL CAPNOPY
6. DOWNSPOUT
7. GUTTER
8. GUARD POST SEE STRUCT. DRAWING
9. HVAC PER MECH. DRAWINGS
10. OUTDOOR UNIT PER MECH DRAWINGS
11. AIR COMPRESSOR PER MECH. DRAWINGS
12. TRANSFORMER PER ELEC. DRAWINGS
13. EXTERIOR LIGHTING SEE ELEC. DRAWINGS
14. OVERHEAD COILING DOOR.
15. ACCESSBILITY SIGN SEE 6/A0-3.3
16. NO SMOKING SIGN SEE 9/A0-3.3

GENERAL ELEVATION NOTES

A. FINISH FLOOR ELEVATIONS ARE NOMINAL. REFER TO FLOOR PLANS FOR DETAILED FINISH FLOOR CALLOUTS.
B. FOR DOOR SCHEDULE REFER TO SHEET A0-1.2 AND A0-1.3
C. REFER TO SHEET A0-1.3 FOR WINDOW TYPES.
D. FOR WINDOW DETAILS, SEE SHEET A9-4 THROUGH A9-6
E. FOR EXTERIOR DETAIL REFER TO WALL SECTION (TYPICAL)
F. FOR EXTERIOR COLOR REFER TO COLOR SCHEDULE ON SHEET A0-1.1

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXTERIOR ELEVATION — ENLARGED EXTERIOR ELEVATIONS

SHEET A5-4

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 49 | 80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		101	289

LICENSED ARCHITECT — DATE 07-22-24

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

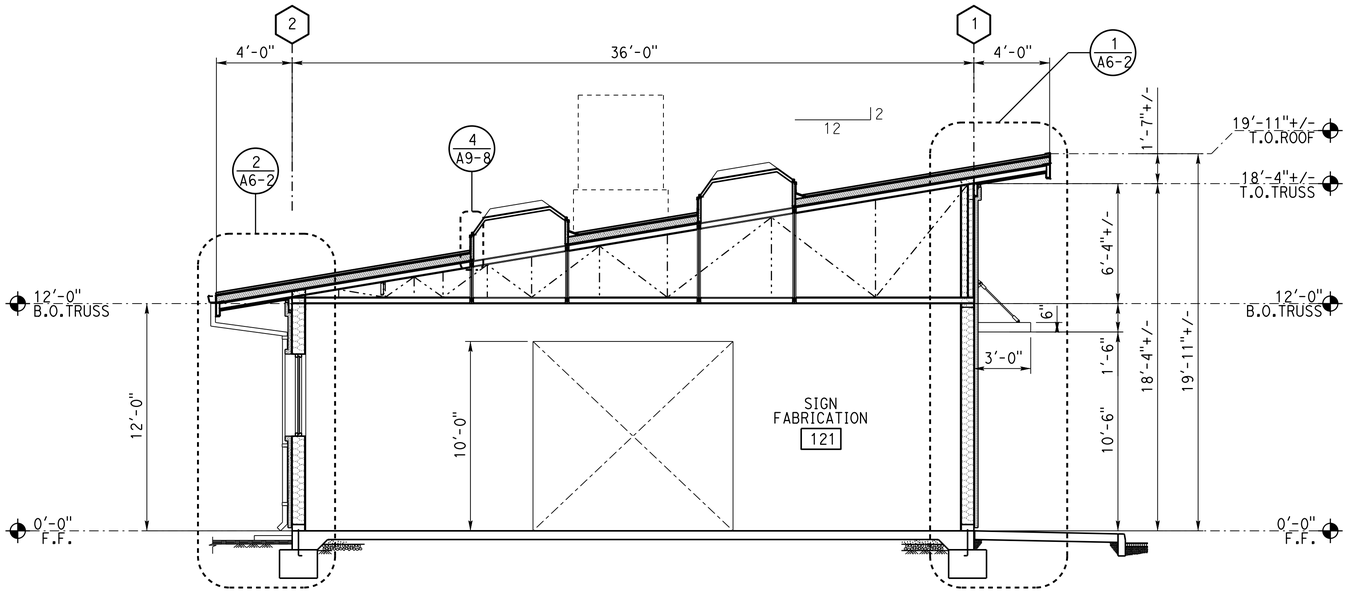
May 27, 2025
PLANS APPROVAL DATE

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.

ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

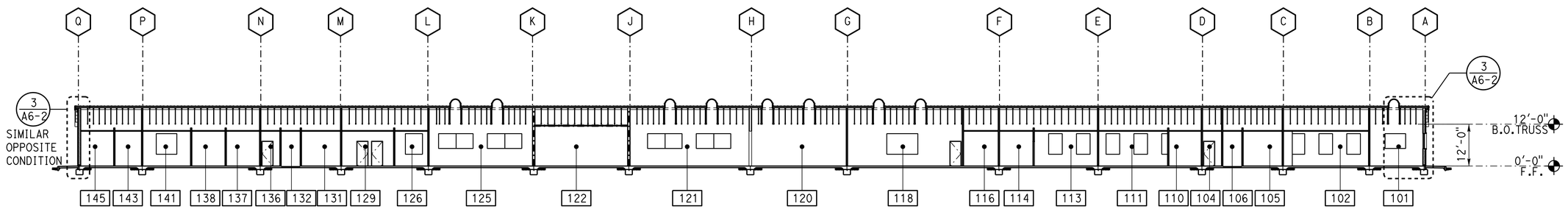
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



2 BUILDING SECTION

SCALE 1/4" = 1'-0"



1 OVERALL SECTION

SCALE 1/16" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET A6-1
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	SECTION OVERALL BUILDING SECTIONS	
QUANTITIES	BY	CHECKED					

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	50	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		102	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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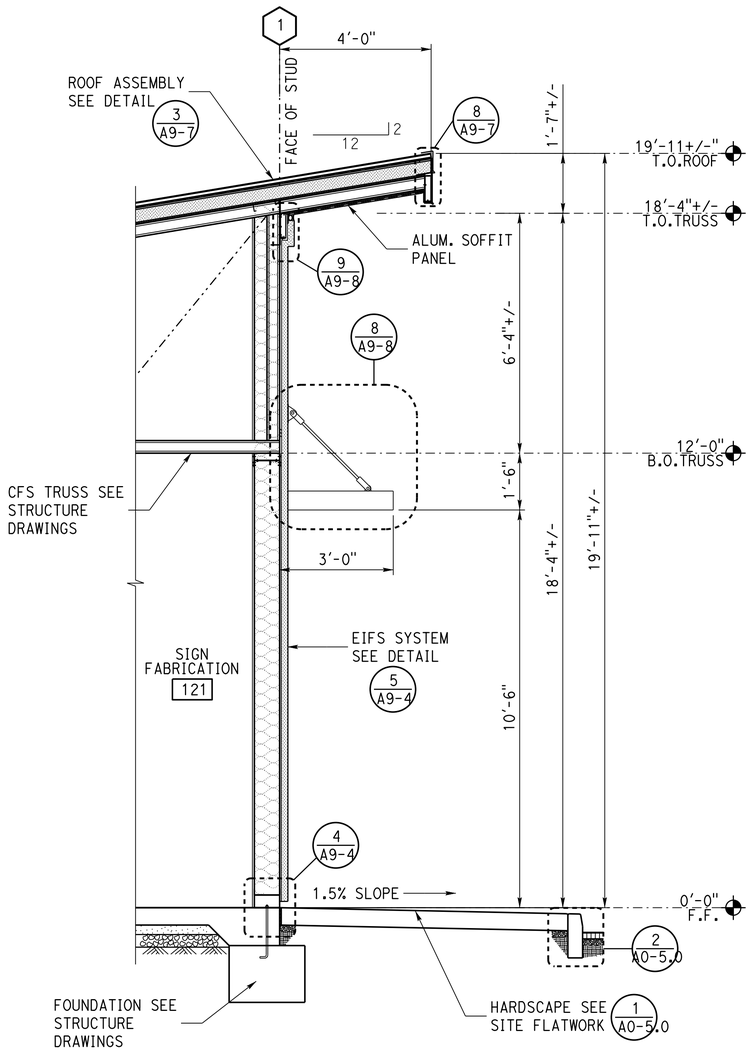
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

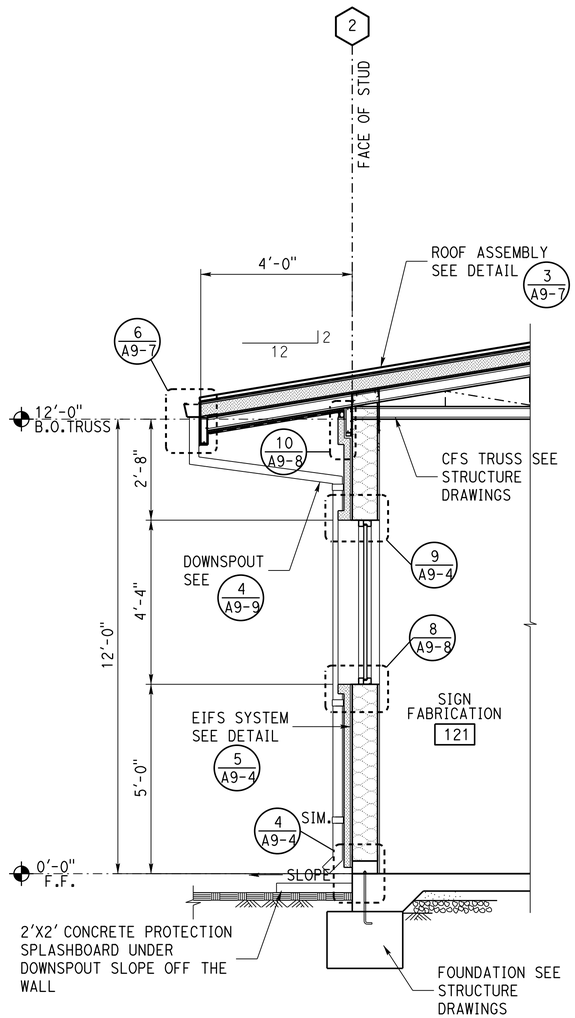
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



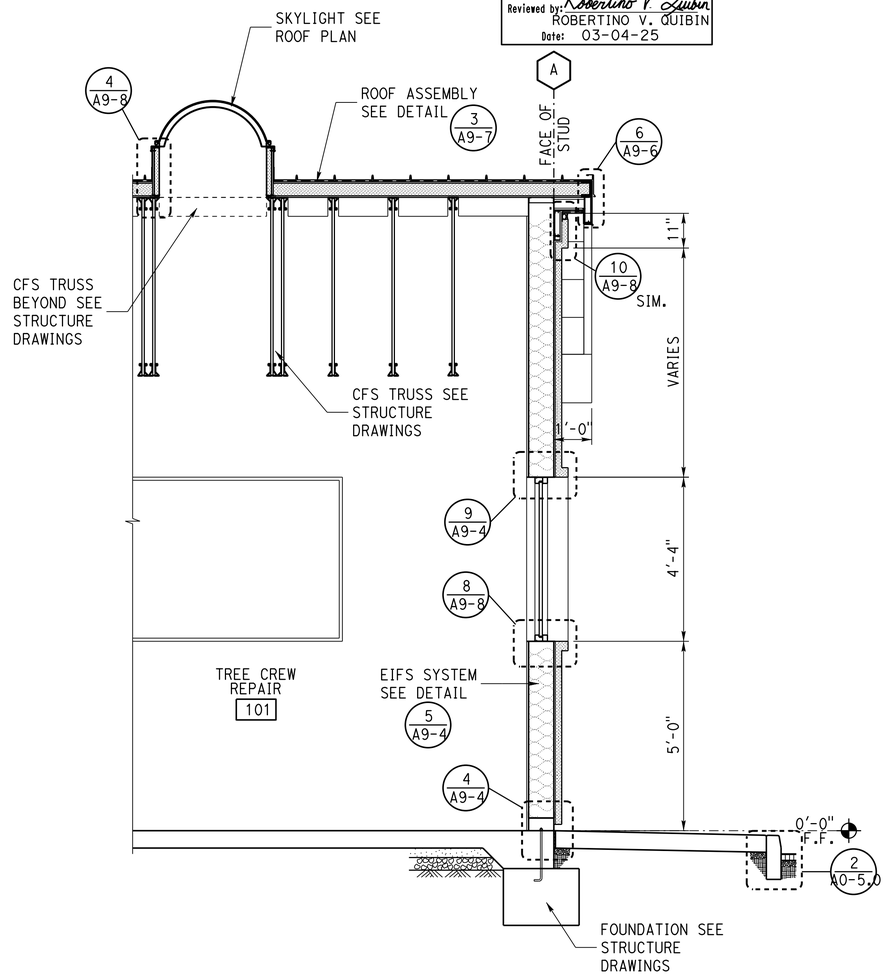
1 WALL SECTION 1

SCALE 1/2 = 1'-0"



2 WALL SECTION 2

SCALE 1/2 = 1'-0"



3 WALL SECTION 3

SCALE 1/2 = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			SECTION

WEST AVE. MAINTENANCE STATION UPGRADE

WALL SECTIONS

SHEET **A6-2**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	51	80

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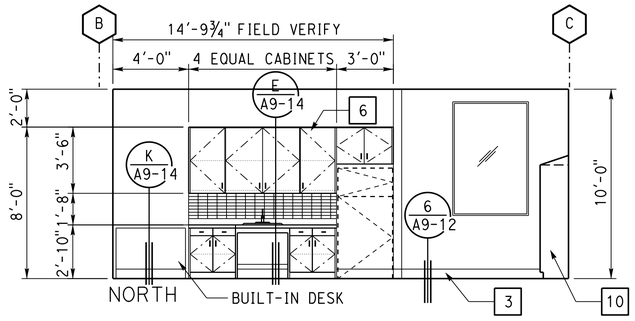
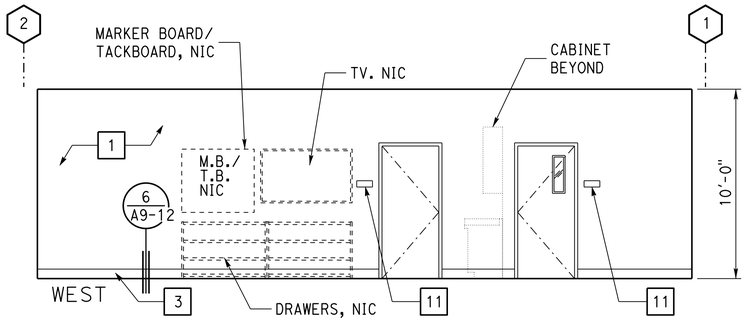
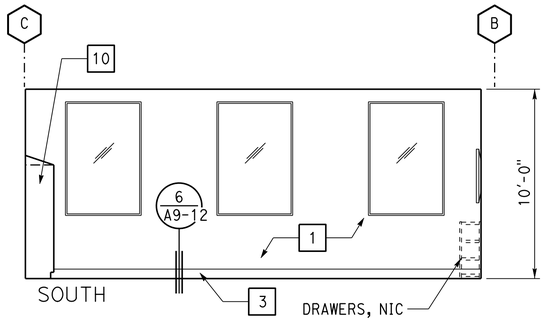
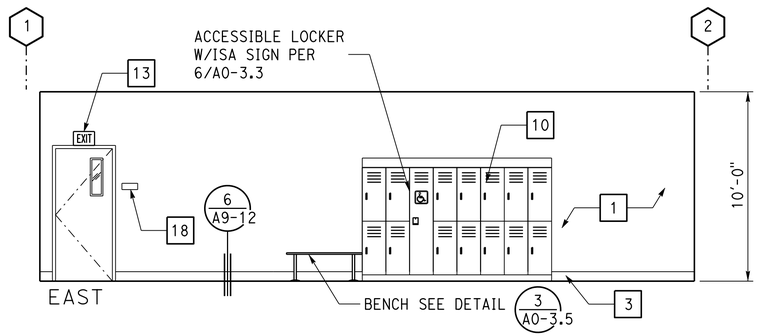






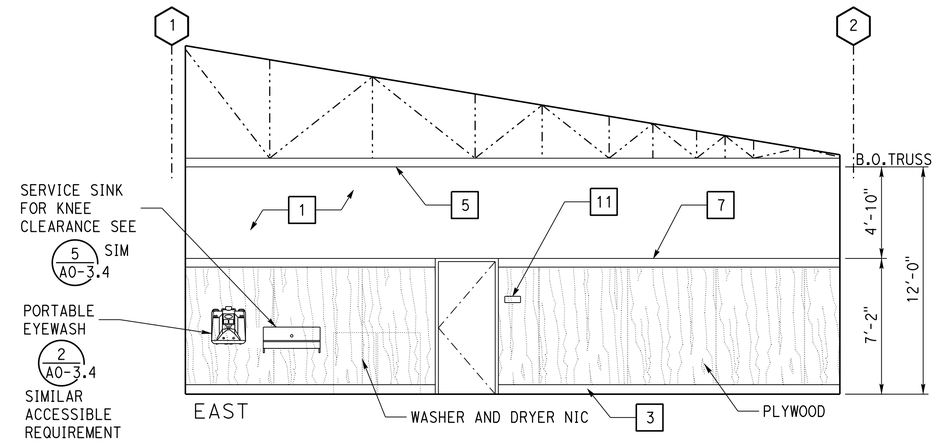
4 TREE CREW ROOM 102

SCALE 1/4" = 1'-0"



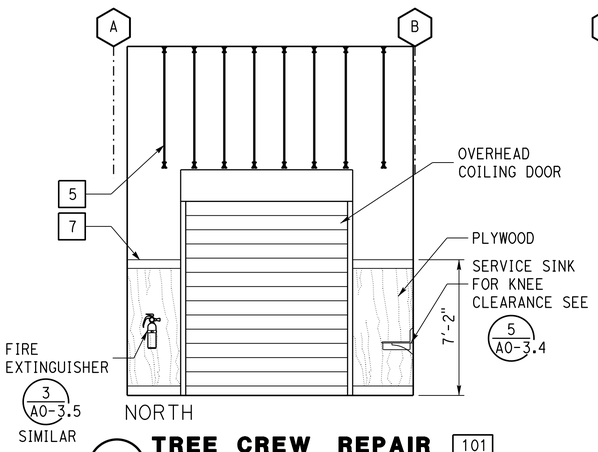
3 TREE CREW ROOM 102

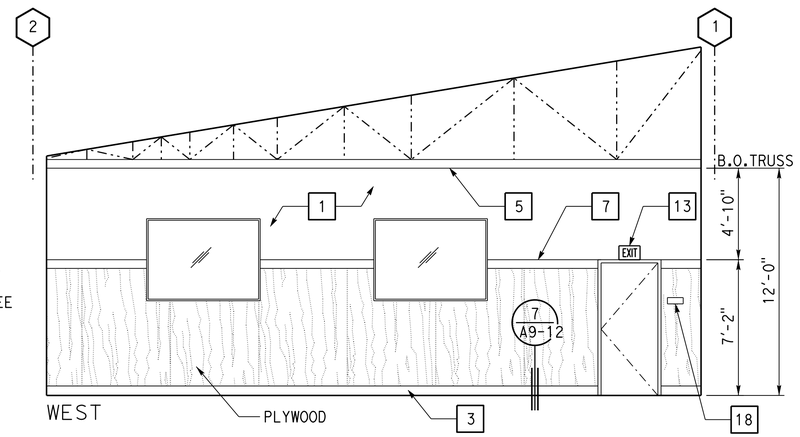
SCALE 1/4" = 1'-0"

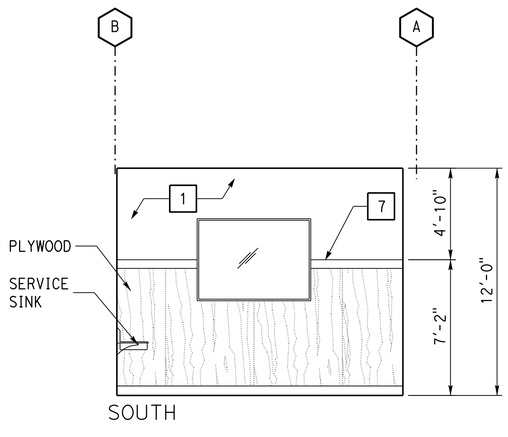


2 TREE CREW REPAIR 101

SCALE 1/4" = 1'-0"







1 TREE CREW REPAIR 101

SCALE 1/4" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		103	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE (1 / A9-12)
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE (D / A9-14) (E / A9-14)
7. WOOD TRIM (9 / A9-12)
8. ACCESSIBLE WATER CLOSET (3 / A0-3.4)
9. ACCESSIBLE URINAL (4 / A0-3.4)
10. LOCKER
11. ROOM IDENTIFICATION SIGN (1 / A0-3.3)
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR (6 / A0-3.4)
15. RECESSED PTD/R SEE (3 / A0-3.5)
16. ACCESSIBLE HAND DRYER SEE (3 / A0-3.5)
17. ACCESSIBLE LAVATORY SEE (5 / A0-3.4)
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / A0-3.3)
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
INTERIOR ELEVATION
INTERIOR ELEVATIONS ROOM 101,102

SHEET A7-1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	52	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		104	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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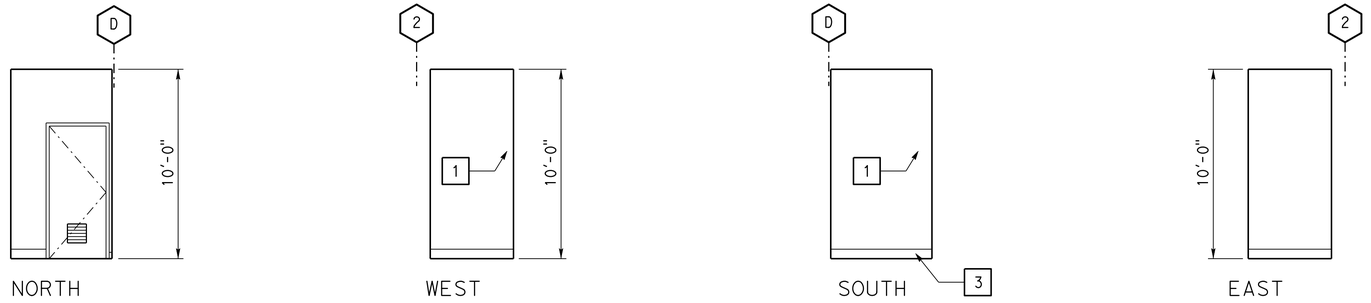
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

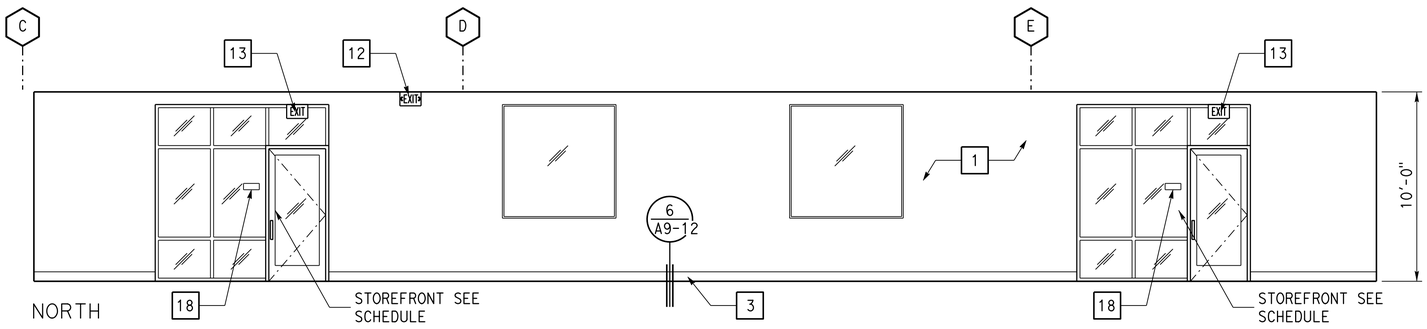
PROJECT ID
0618000065

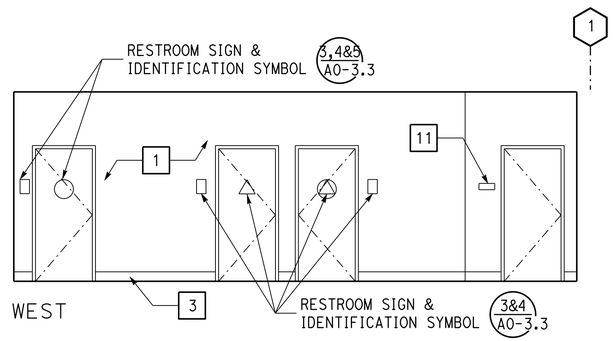
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



3 IT CLOSET 109

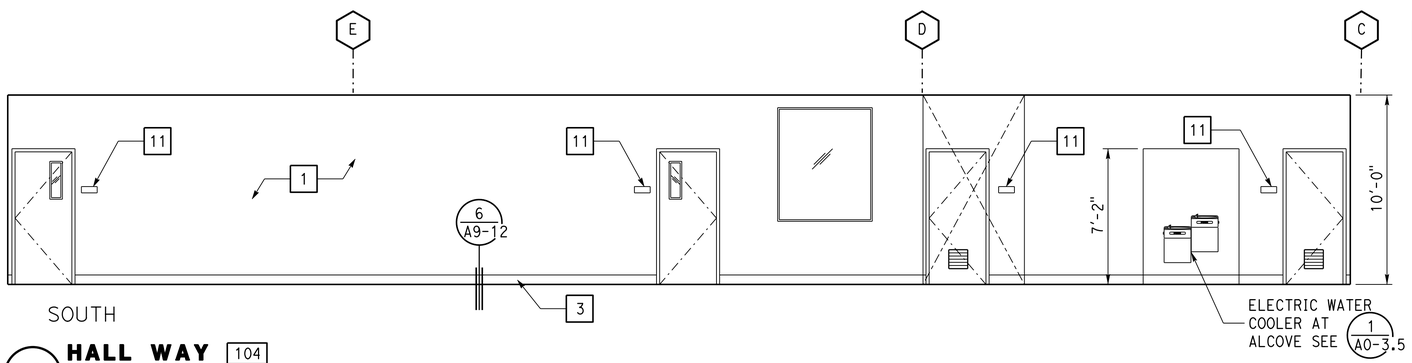
SCALE 1/4" = 1'-0"

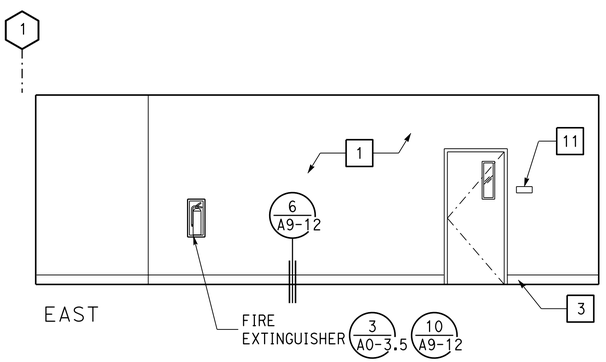




2 HALL WAY 104

SCALE 1/4" = 1'-0"





1 HALL WAY 104

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE (1 / A9-12)
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE (D / A9-14) (E / A9-14)
7	WOOD TRIM (9 / A9-12)
8	ACCESSIBLE WATER CLOSET (3 / A0-3.4)
9	ACCESSIBLE URINAL (4 / A0-3.4)
10	LOCKER
11	ROOM IDENTIFICATION SIGN (1 / A0-3.3)
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR (6 / A0-3.4)
15	RECESSED PTD/R SEE (3 / A0-3.5)
16	ACCESSIBLE HAND DRYER SEE (3 / A0-3.5)
17	ACCESSIBLE LAVATORY SEE (5 / A0-3.4)
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / A0-3.3)
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 104,109

SHEET **A7-2**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	53	80

7-JUL-2025 16:54

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		105	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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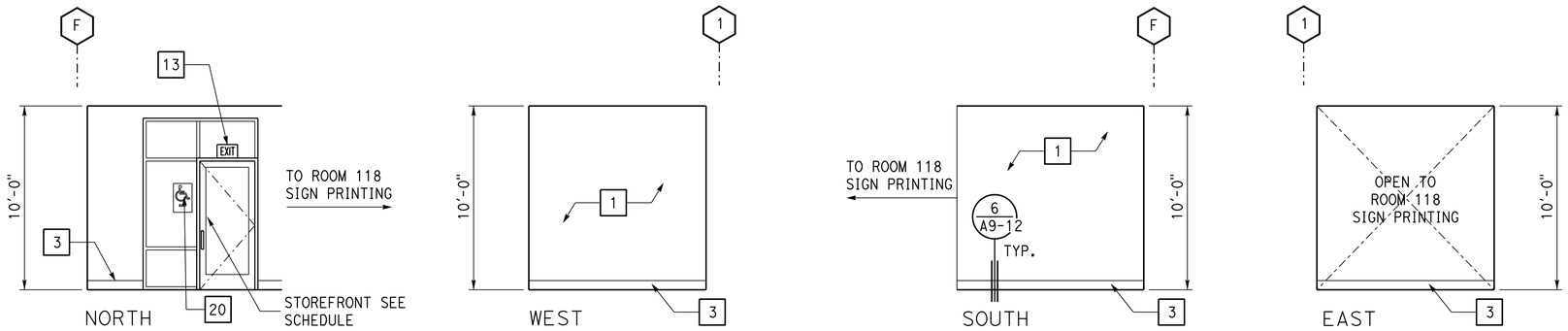
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

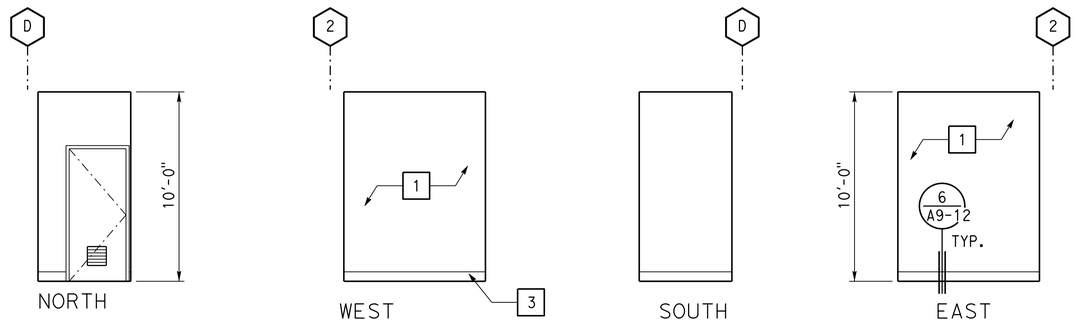
PROJECT ID
0618000065

Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25



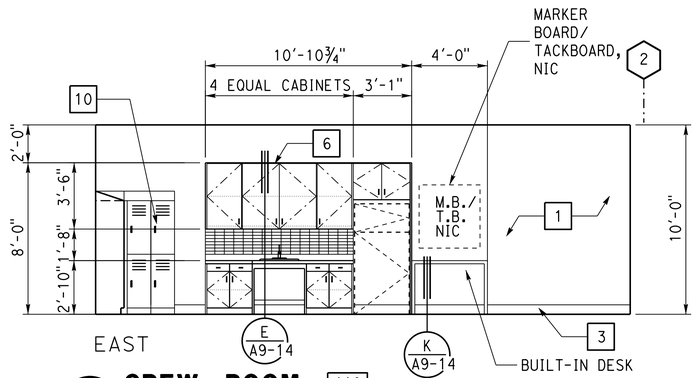
4 STAFF SPACE 115

SCALE 1/4" = 1'-0"



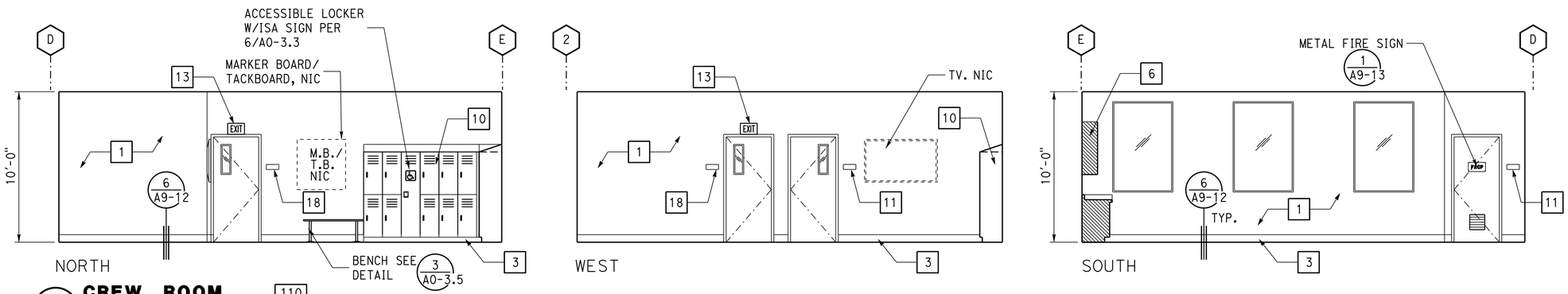
3 ELECTRICAL ROOM 112

SCALE 1/4" = 1'-0"



2 CREW ROOM 110

SCALE 1/4" = 1'-0"



1 CREW ROOM 110

SCALE 1/4" = 1'-0"

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE (I / A9-12)
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE (D / A9-14) (E / A9-14)
7. WOOD TRIM (9 / A9-12)
8. ACCESSIBLE WATER CLOSET (3 / AO-3.4)
9. ACCESSIBLE URINAL (4 / AO-3.4)
10. LOCKER
11. ROOM IDENTIFICATION SIGN (1 / AO-3.3)
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR (6 / AO-3.4)
15. RECESSED PTD/R SEE (3 / AO-3.5)
16. ACCESSIBLE HAND DRYER SEE (3 / AO-3.5)
17. ACCESSIBLE LAVATORY SEE (5 / AO-3.4)
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / AO-3.3)
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 110, 112,115

SHEET A7-3

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 54 | 80

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		106	289

LICENSED ARCHITECT — 07-22-24 DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

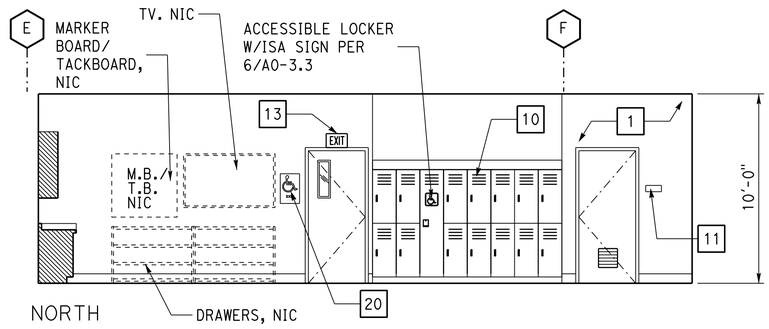
May 27, 2025
PLANS APPROVAL DATE

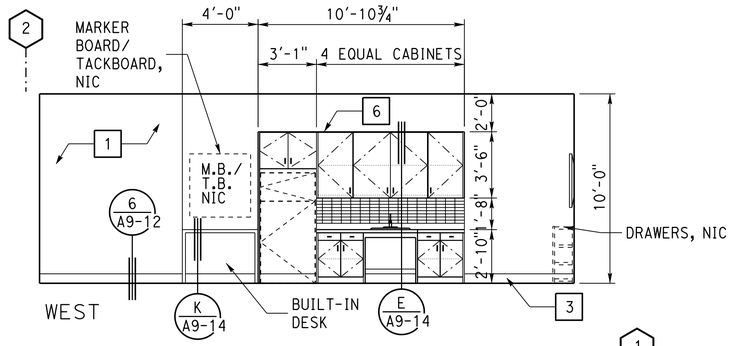
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

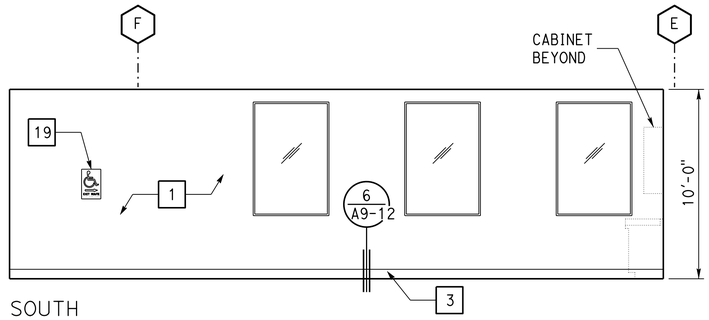
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

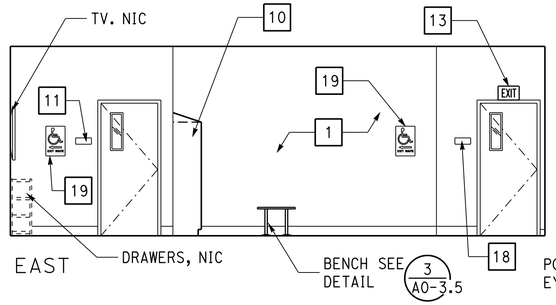


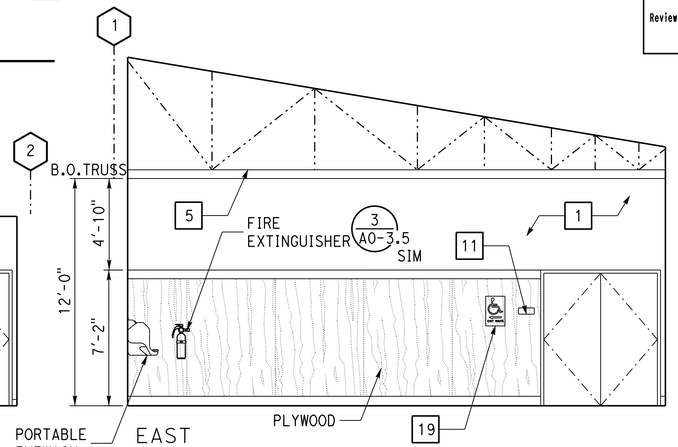


4 CREW ROOM 2 [113]

SCALE 1/4" = 1'-0"





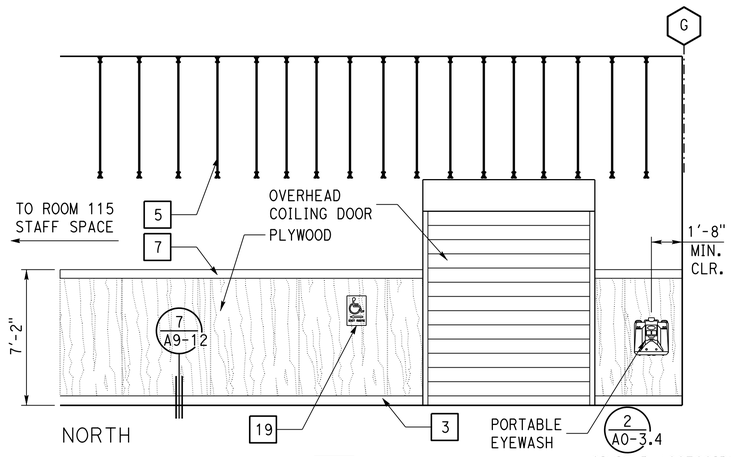


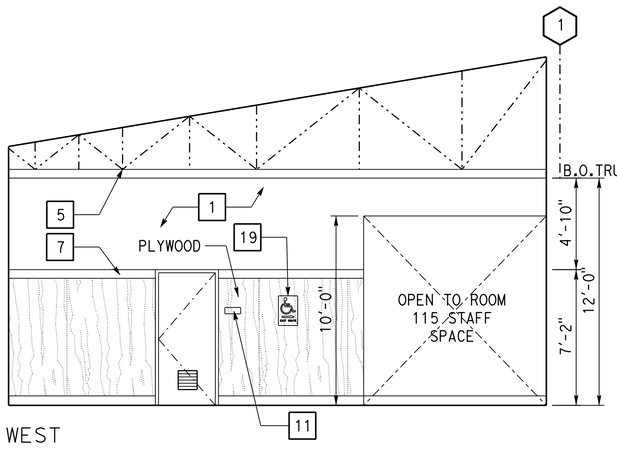
3 CREW ROOM 2 [113]

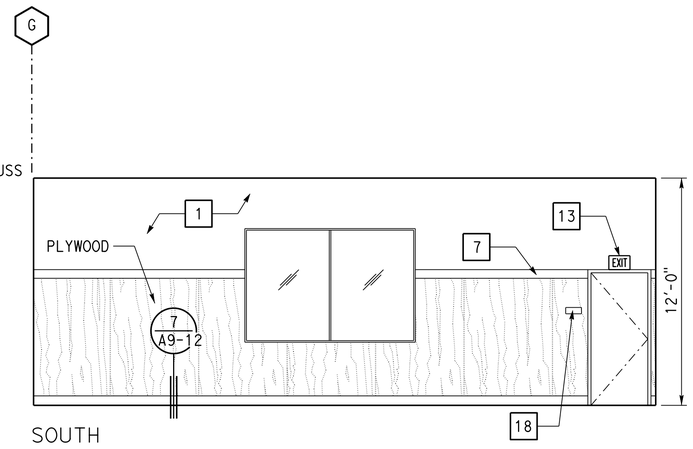
SCALE 1/4" = 1'-0"

2 SIGN PRINTING [118]

SCALE 1/4" = 1'-0"







1 SIGN PRINTING [118]

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE (I A9-12)
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE (D A9-14) (E A9-14)
7	WOOD TRIM (9 A9-12)
8	ACCESSIBLE WATER CLOSET (3 A0-3.4)
9	ACCESSIBLE URINAL (4 A0-3.4)
10	LOCKER
11	ROOM IDENTIFICATION SIGN (1 A0-3.3)
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR (6 A0-3.4)
15	RECESSED PTD/R SEE (3 A0-3.5)
16	ACCESSIBLE HAND DRYER SEE (3 A0-3.5)
17	ACCESSIBLE LAVATORY SEE (5 A0-3.4)
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 A0-3.3)
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 A9-13)
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 A9-13)

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 113,118

SHEET A7-4

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	55	80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		107	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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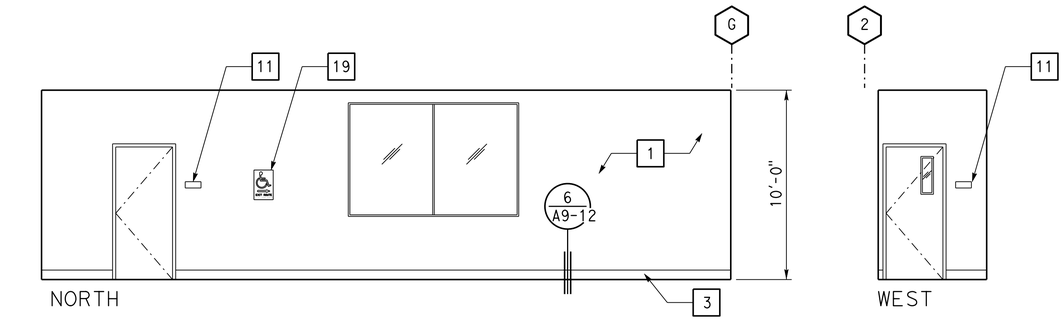
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

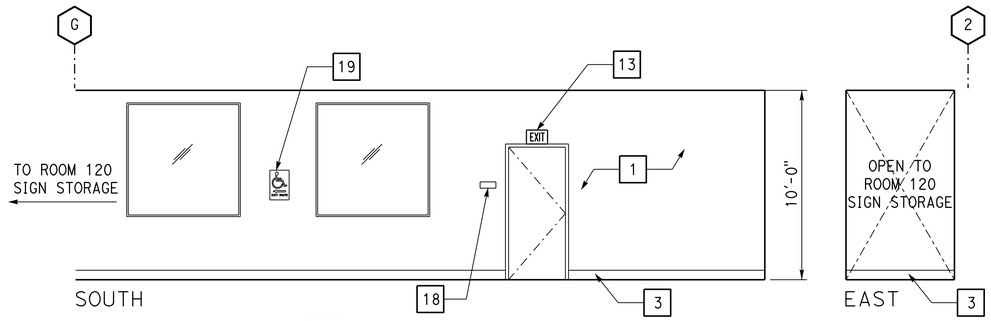
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



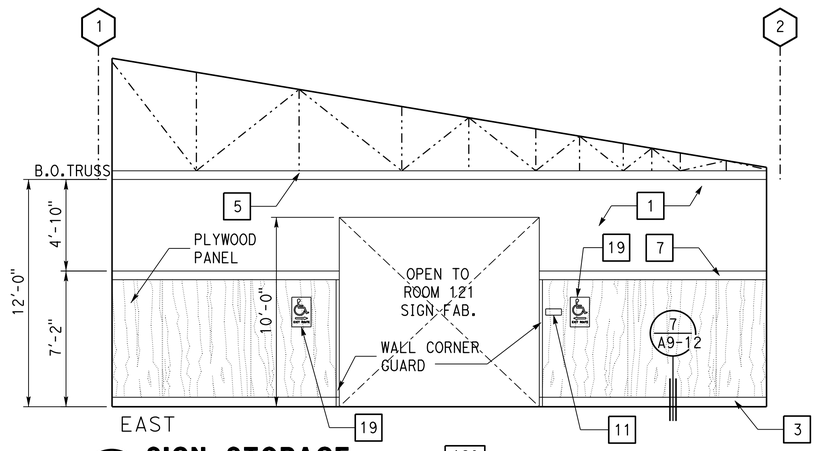
4 HALLWAY 119

SCALE 1/4" = 1'-0"



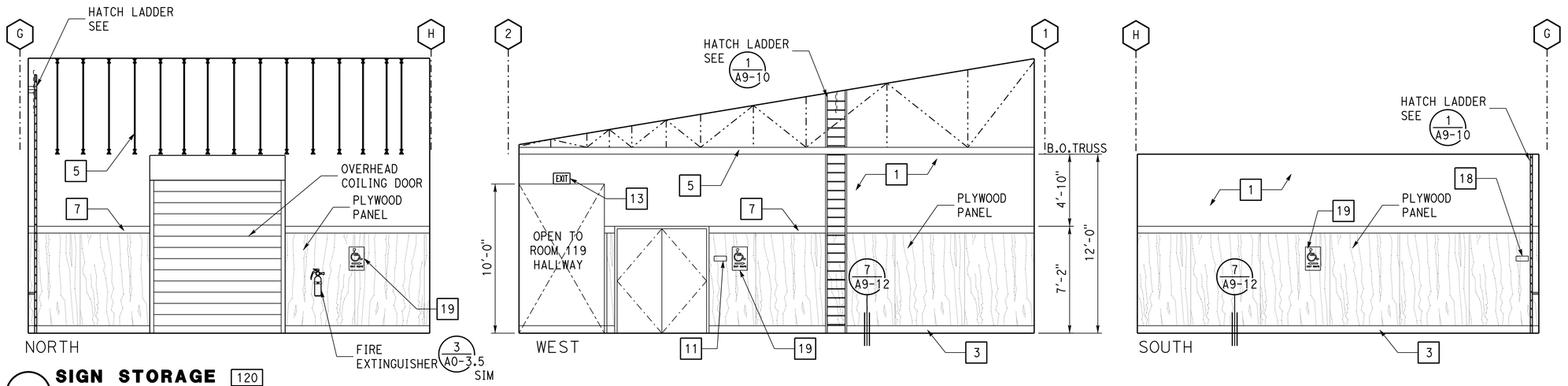
3 HALLWAY 119

SCALE 1/4" = 1'-0"



2 SIGN STORAGE 120

SCALE 1/4" = 1'-0"



1 SIGN STORAGE 120

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE (1 / A9-12)
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE (D / A9-14) (E / A9-14)
7	WOOD TRIM (9 / A9-12)
8	ACCESSIBLE WATER CLOSET (3 / A0-3.4)
9	ACCESSIBLE URINAL (4 / A0-3.4)
10	LOCKER
11	ROOM IDENTIFICATION SIGN (1 / A0-3.3)
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR (6 / A0-3.4)
15	RECESSED PTD/R SEE (3 / A0-3.5)
16	ACCESSIBLE HAND DRYER SEE (3 / A0-3.5)
17	ACCESSIBLE LAVATORY SEE (5 / A0-3.4)
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / A0-3.3)
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN
QUANTITIES	BY	CHECKED	BRIDGE No. 42M5725 POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 119,120

SHEET A7-5

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	56	80

7-JUL-2025 16:54

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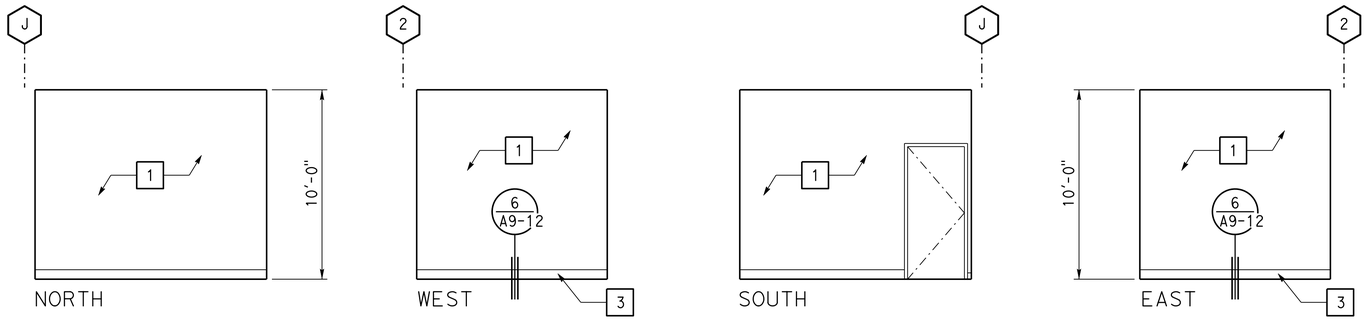
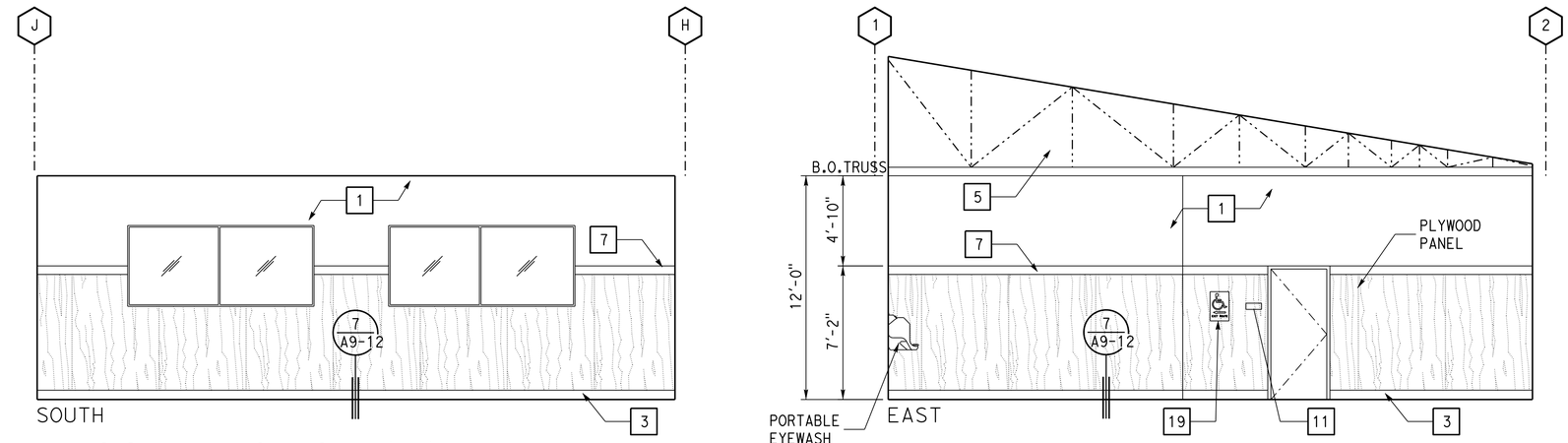


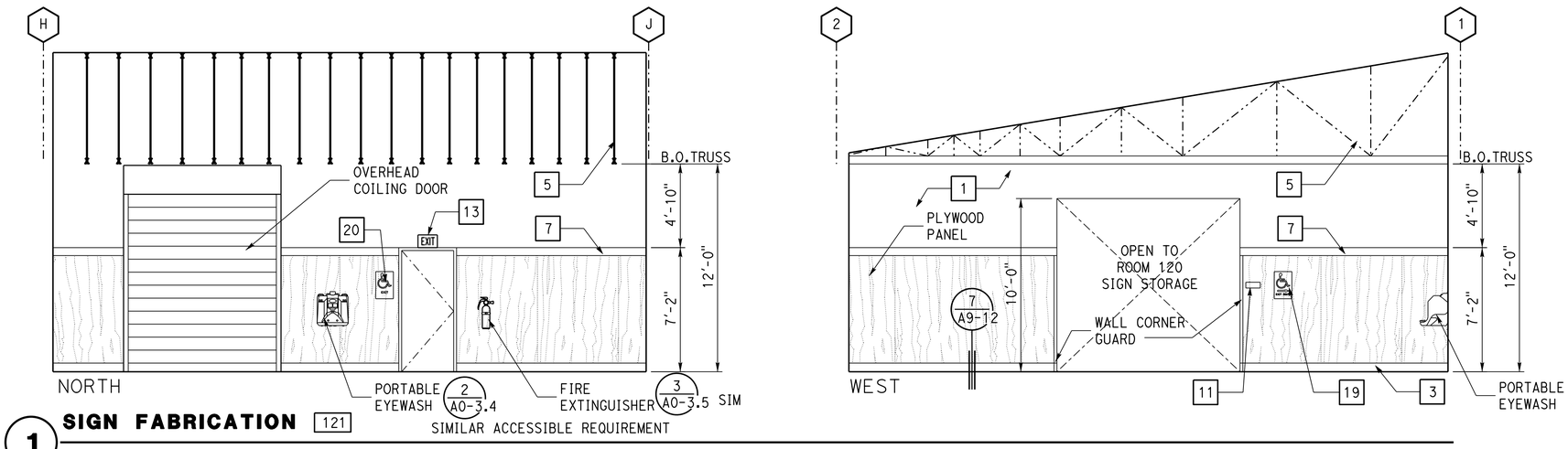
4 IT/DATA ROOM 123

SCALE 1/4" = 1'-0"



2 SIGN FABRICATION 121

SCALE 1/4" = 1'-0"



1 SIGN FABRICATION 121

SCALE 1/4" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		108	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE (1/A9-12)
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE (D/A9-14) (E/A9-14)
7. WOOD TRIM (9/A9-12)
8. ACCESSIBLE WATER CLOSET (3/AO-3.4)
9. ACCESSIBLE URINAL (4/AO-3.4)
10. LOCKER
11. ROOM IDENTIFICATION SIGN (1/AO-3.3)
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR (6/AO-3.4)
15. RECESSED PTD/R SEE (3/AO-3.5)
16. ACCESSIBLE HAND DRYER SEE (3/AO-3.5)
17. ACCESSIBLE LAVATORY SEE (5/AO-3.4)
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE (2/AO-3.3)
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6/A9-13)
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE (7/A9-13)

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 121,123

SHEET **A7-6**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	57	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:54

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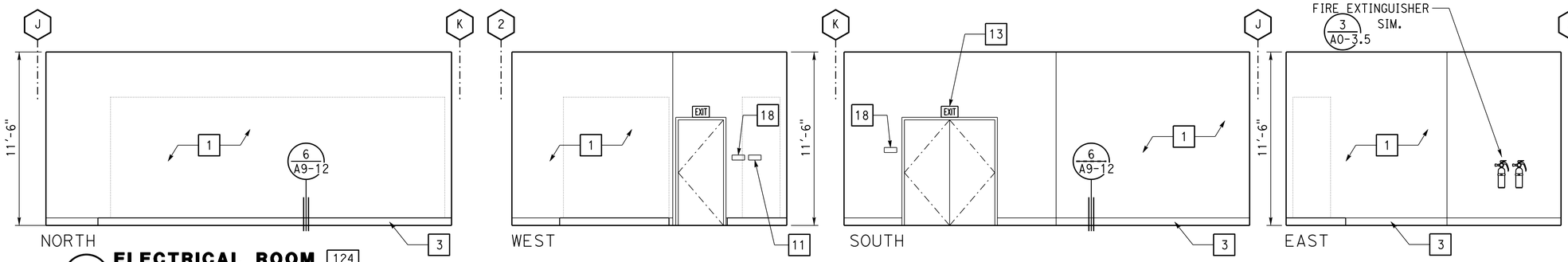
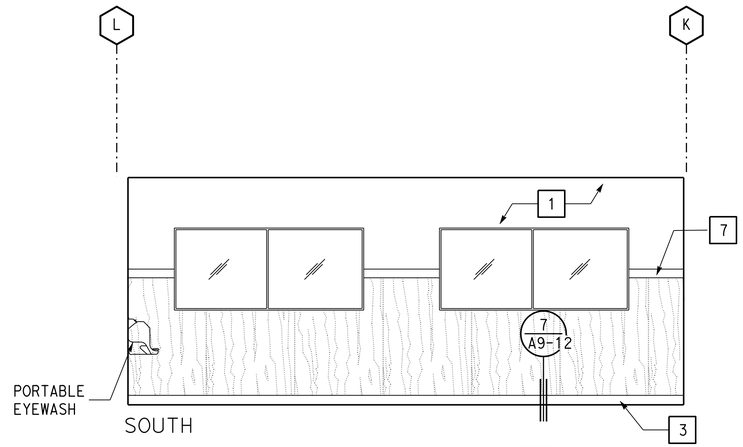
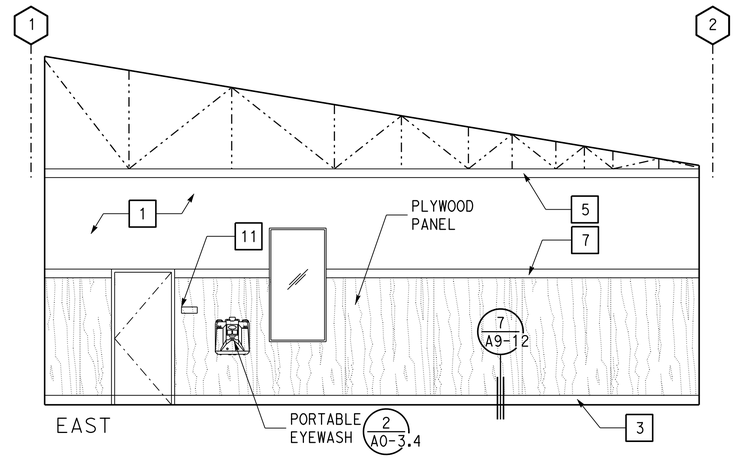


4 ELECTRICAL ROOM 124

SCALE 1/4" = 1'-0"

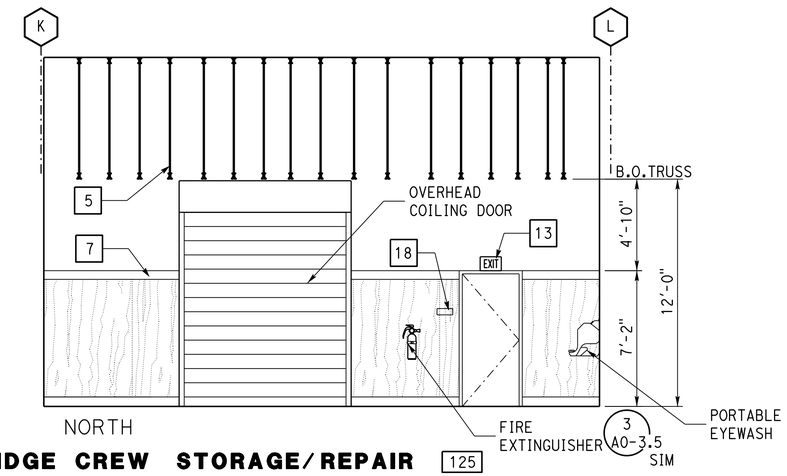


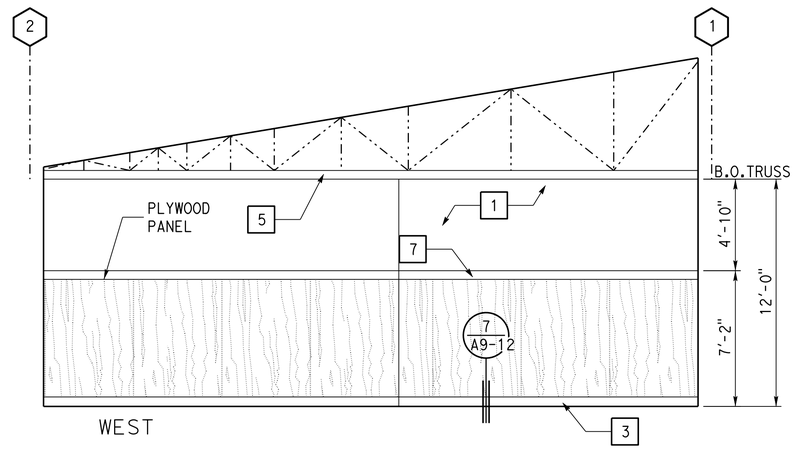


SIMILAR ACCESSIBLE REQUIREMENT

2 BRIDGE CREW STORAGE/REPAIR 125

SCALE 1/4" = 1'-0"





1 BRIDGE CREW STORAGE/REPAIR 125

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE (1/A9-12)
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE (D/A9-14) (E/A9-14)
7	WOOD TRIM (9/A9-12)
8	ACCESSIBLE WATER CLOSET (3/A0-3.4)
9	ACCESSIBLE URINAL (4/A0-3.4)
10	LOCKER
11	ROOM IDENTIFICATION SIGN (1/A0-3.3)
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR (6/A0-3.4)
15	RECESSED PTD/R SEE (3/A0-3.5)
16	ACCESSIBLE HAND DRYER SEE (3/A0-3.5)
17	ACCESSIBLE LAVATORY SEE (5/A0-3.4)
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE (2/A0-3.3)
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6/A9-13)
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE (7/A9-13)

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		109	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 124,125

SHEET A7-7

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	58	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:54

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		110	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

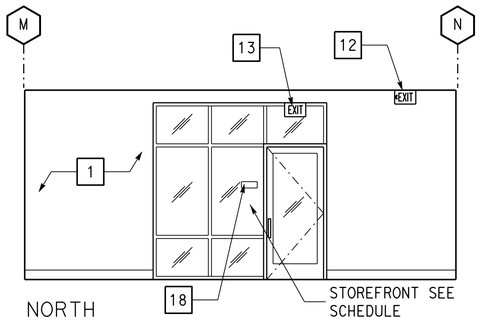
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

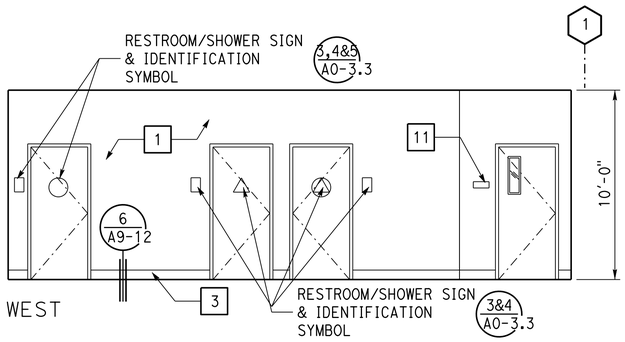
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

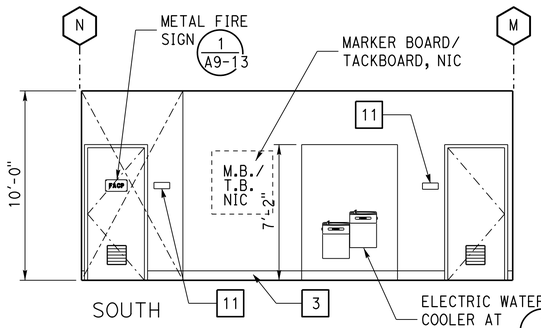
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

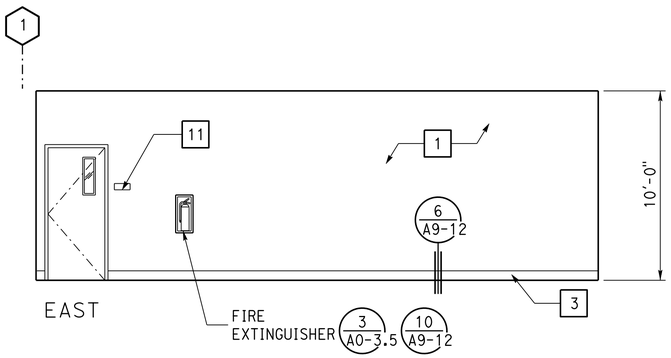




4 HALL WAY 130

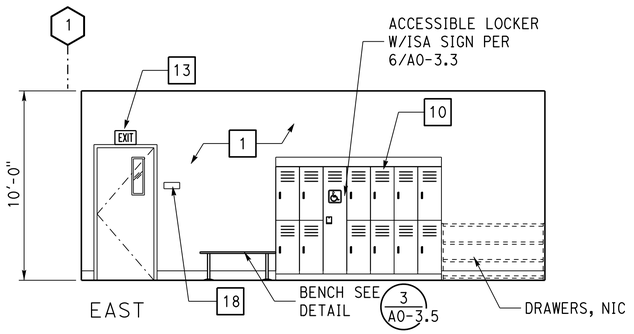
SCALE 1/4" = 1'-0"





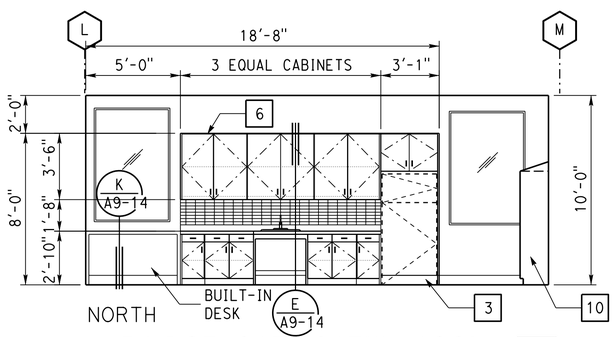
3 HALL WAY 130

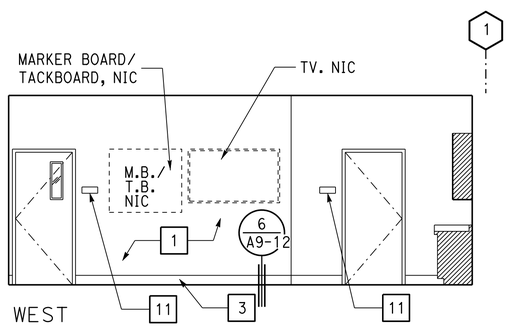
SCALE 1/4" = 1'-0"

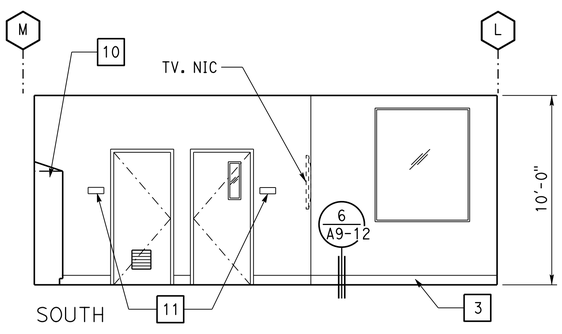


2 BRIDGE CREW ROOM 129

SCALE 1/4" = 1'-0"







1 BRIDGE CREWCREW ROOM 129

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE I A9-12
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE D A9-14 E A9-14
7	WOOD TRIM 9 A9-12
8	ACCESSIBLE WATER CLOSET 3 A0-3.4
9	ACCESSIBLE URINAL 4 A0-3.4
10	LOCKER
11	ROOM IDENTIFICATION SIGN I A0-3.3
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR 6 A0-3.4
15	RECESSED PTD/R SEE 3 A0-3.5
16	ACCESSIBLE HAND DRYER SEE 3 A0-3.5
17	ACCESSIBLE LAVATORY SEE 5 A0-3.4
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE 2 A0-3.3
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE 6 A9-13
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE 7 A9-13

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 129,130

SHEET **A7-8**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	59	80

7-JUL-2025 16:54

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		111	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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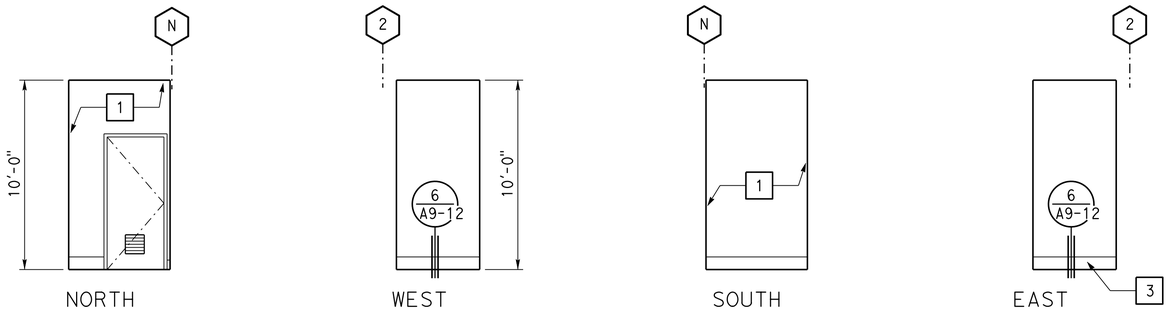
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

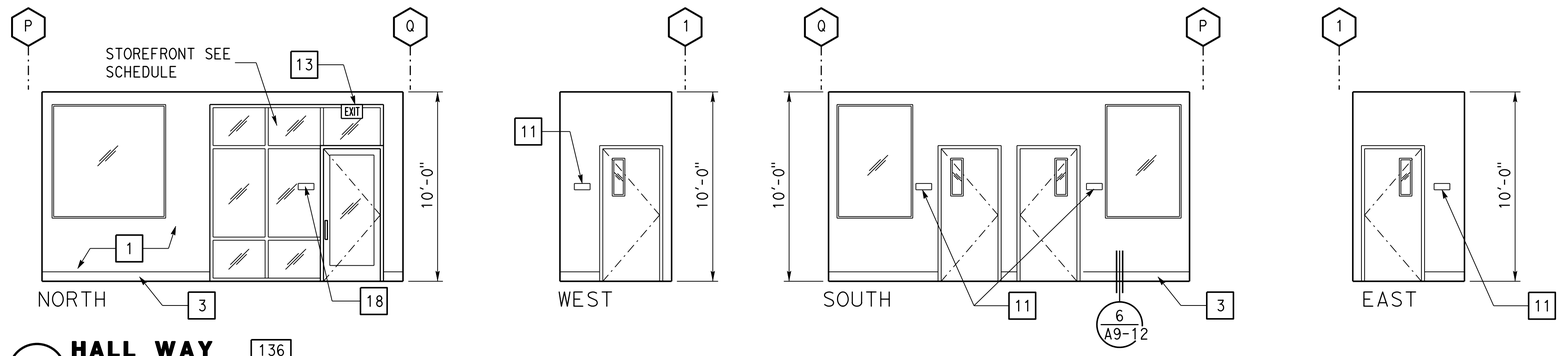
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



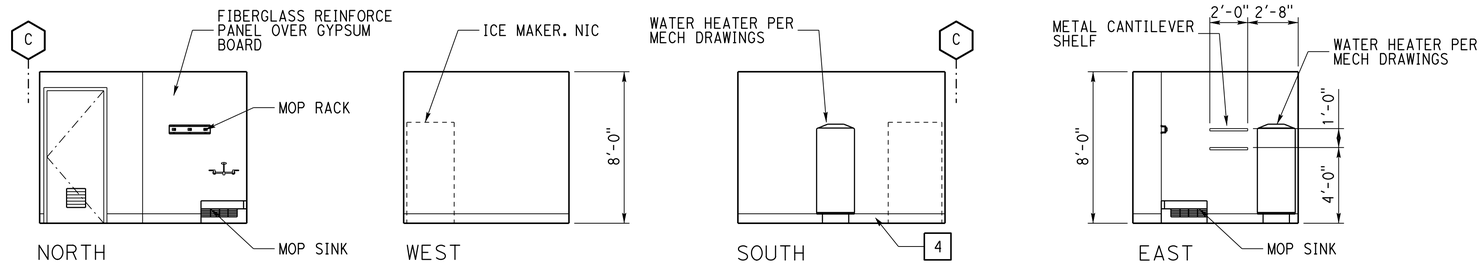
3 ELECTRICAL ROOM 135

SCALE 1/4" = 1'-0"



2 HALL WAY 136

SCALE 1/4" = 1'-0"



1 JANITOR 105 131

SCALE 1/4" = 1'-0"

KEY NOTES

1	PAINTED WALL PER INTERIOR FINISH SCHEDULE
2	WALL TILE PER INTERIOR FINISH SCHEDULE
3	6" RESILENT BASE
4	PORCELAIN TILE COVED BASE (1 / A9-12)
5	CFS TRUSS SEE STRUCTURE DRAWINGS
6	CABINET SEE (D / A9-14) (E / A9-14)
7	WOOD TRIM (9 / A9-12)
8	ACCESSIBLE WATER CLOSET (3 / AO-3.4)
9	ACCESSIBLE URINAL (4 / AO-3.4)
10	LOCKER
11	ROOM IDENTIFICATION SIGN (1 / AO-3.3)
12	CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13	EXIT SIGN - SEE ELECTRICAL DRAWINGS
14	GRAB BAR (6 / AO-3.4)
15	RECESSED PTD/R SEE (3 / AO-3.5)
16	ACCESSIBLE HAND DRYER SEE (3 / AO-3.5)
17	ACCESSIBLE LAVATORY SEE (5 / AO-3.4)
18	INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / AO-3.3)
19	INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20	INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 105,135,136

SHEET A7-9

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	60	80

7-JUL-2025 16:54

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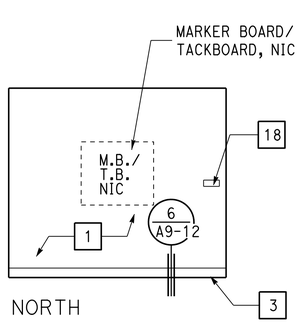
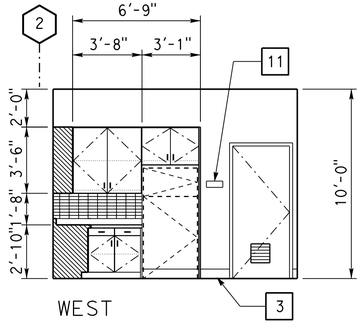
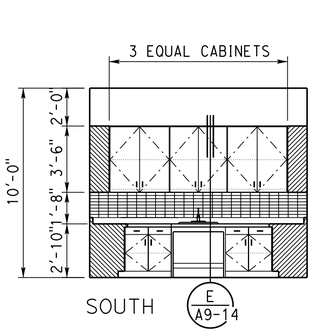
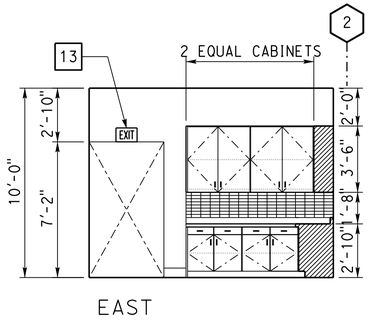


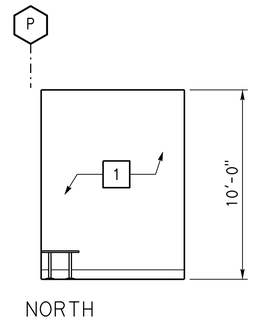


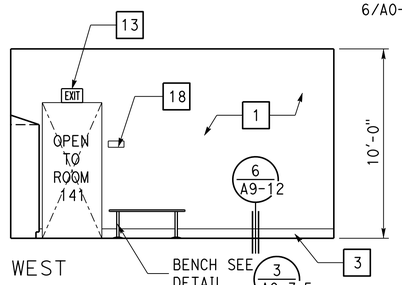


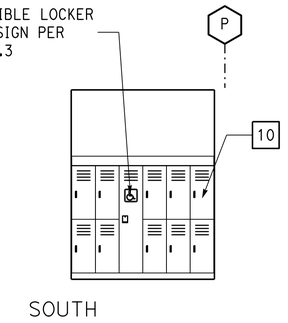


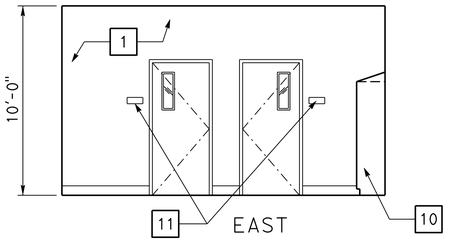
3 KITCHEN 140

SCALE 1/4" = 1'-0"



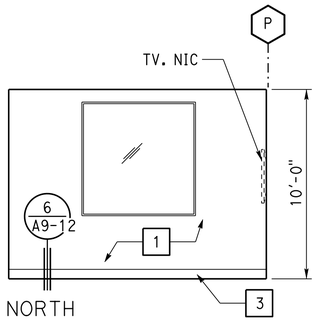


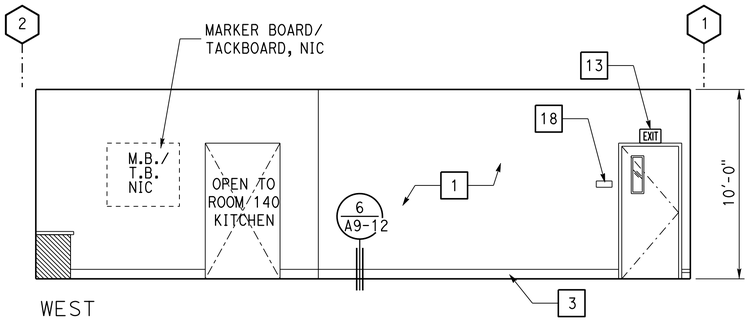


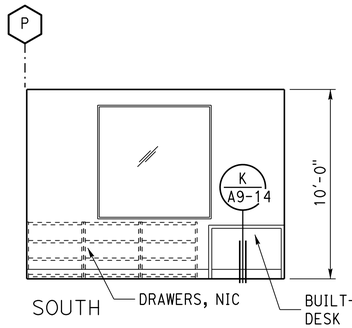


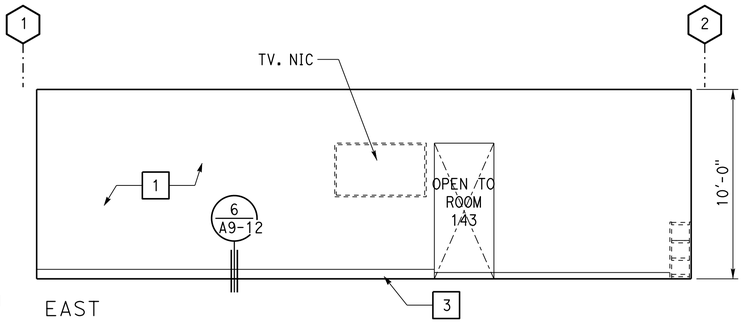
2 PRINTING ALCOVE 143

SCALE 1/4" = 1'-0"









1 CREW ROOM 141

SCALE 1/4" = 1'-0"

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE (1/A9-12)
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE (D/A9-14) (E/A9-14)
7. WOOD TRIM (9/A9-12)
8. ACCESSIBLE WATER CLOSET (3/A0-3.4)
9. ACCESSIBLE URINAL (4/A0-3.4)
10. LOCKER
11. ROOM IDENTIFICATION SIGN (1/A0-3.3)
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR (6/A0-3.4)
15. RECESSED PTD/R SEE (3/A0-3.5)
16. ACCESSIBLE HAND DRYER SEE (3/A0-3.5)
17. ACCESSIBLE LAVATORY SEE (5/A0-3.4)
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE (2/A0-3.3)
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6/A9-13)
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE (7/A9-13)

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		112	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

DESIGN	Frank Thomas	Frank Thomas	
DETAILS	Chuan Zhou	Frank Thomas	
QUANTITIES			

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR ELEVATION — INTERIOR ELEVATIONS ROOM 140,141,143

SHEET **A7-10**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	61	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:54

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		113	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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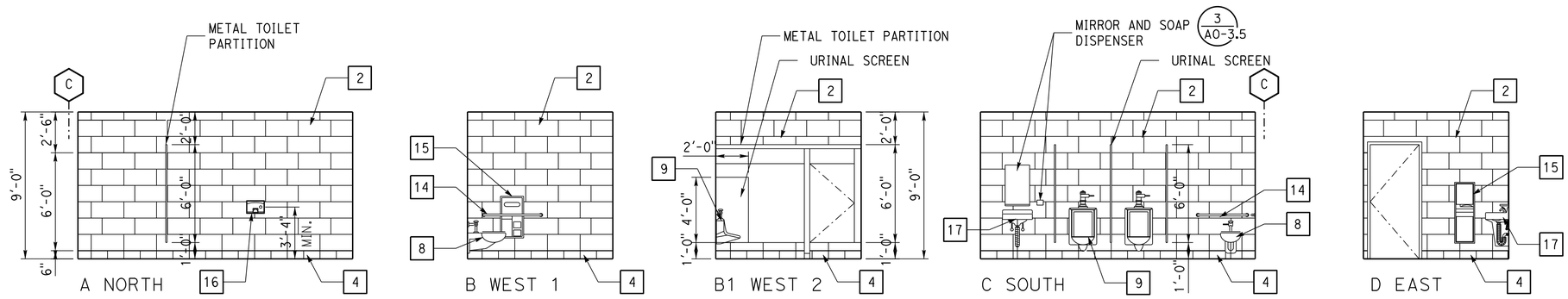
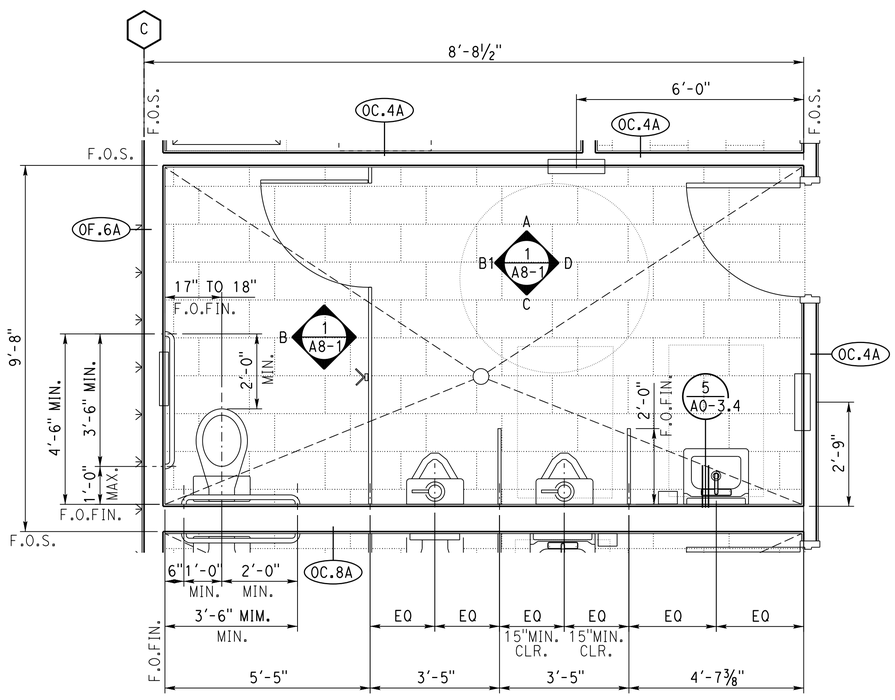
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



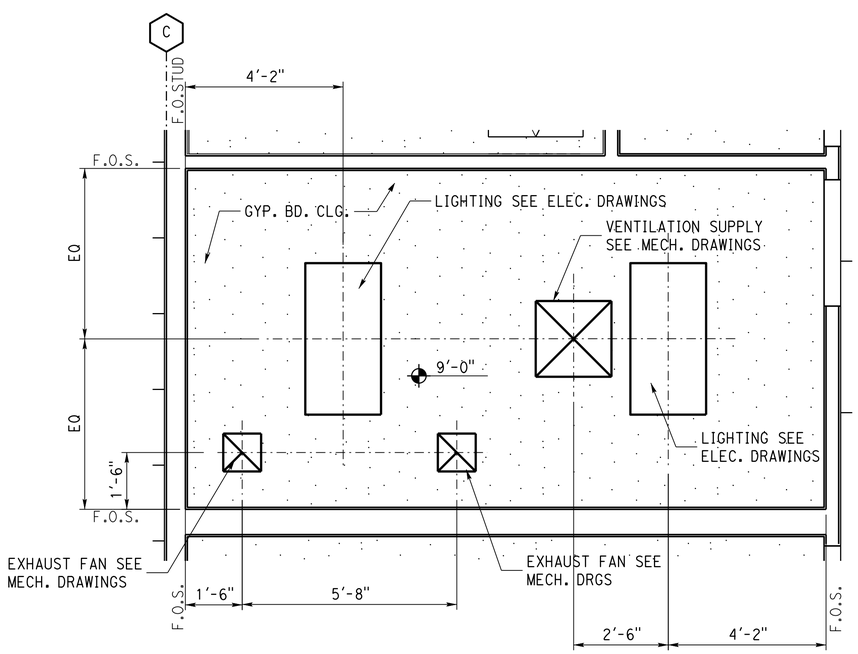
1 MEN INTERIOR ELEVATIONS [107] [133] SIMILAR

SCALE 1/4" = 1'-0"



2 MEN FLOOR PLAN [107] [133] SIMILAR

SCALE 1/2" = 1'-0"



3 MEN REFLECTED CEILING PLAN [107] [133] SIMILAR

SCALE 1/2" = 1'-0"

ABBREVIATIONS

F.O.S. FACE OF STUD
F.O.FIN. FACE OF FINISH
FIN.TO.FIN. FINSH TO FINISH

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE — 1 / A9-12
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE — D / A9-14 — E / A9-14
7. WOOD TRIM — 9 / A9-12
8. ACCESSIBLE WATER CLOSET — 3 / AO-3.4
9. ACCESSIBLE URINAL — 4 / AO-3.4
10. LOCKER
11. ROOM IDENTIFICATION SIGN — 1 / AO-3.3
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR — 6 / AO-3.4
15. RECESSED PTD/R SEE — 3 / AO-3.5
16. ACCESSIBLE HAND DRYER SEE — 3 / AO-3.5
17. ACCESSIBLE LAVATORY SEE — 5 / AO-3.4
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE — 2 / AO-3.3
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE — 6 / A9-13
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE — 7 / A9-13

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED PLANS AND INTERIOR ELEVATIONS

SHEET A8-1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	62	80

7-JUL-2025 16:54

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		114	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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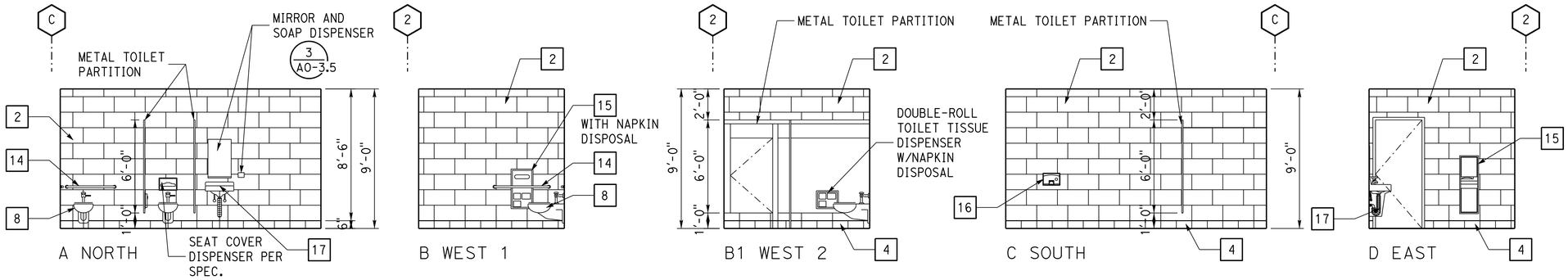
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

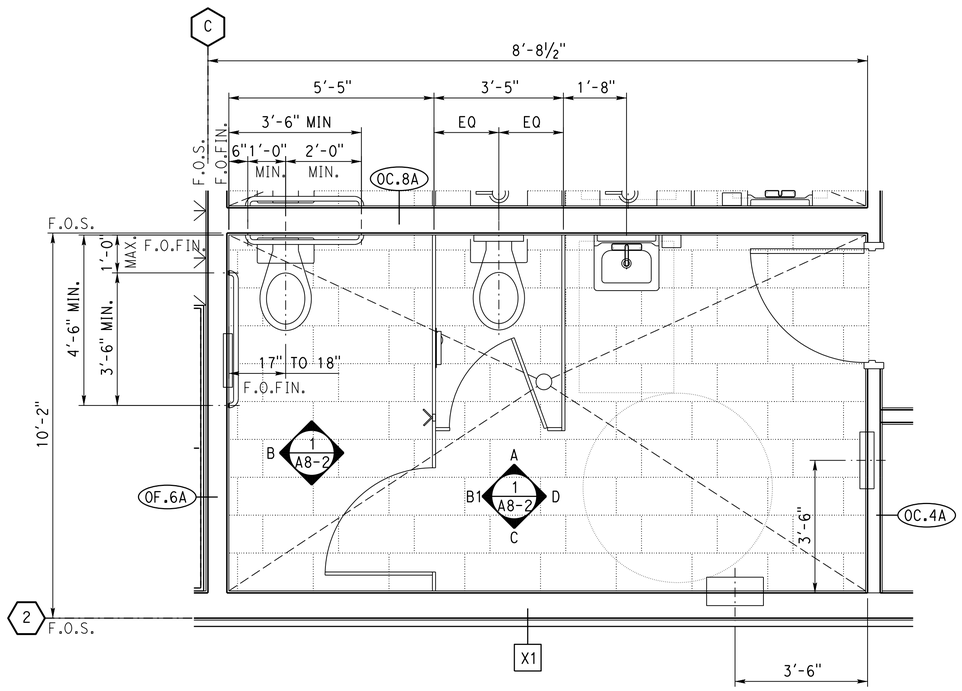
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



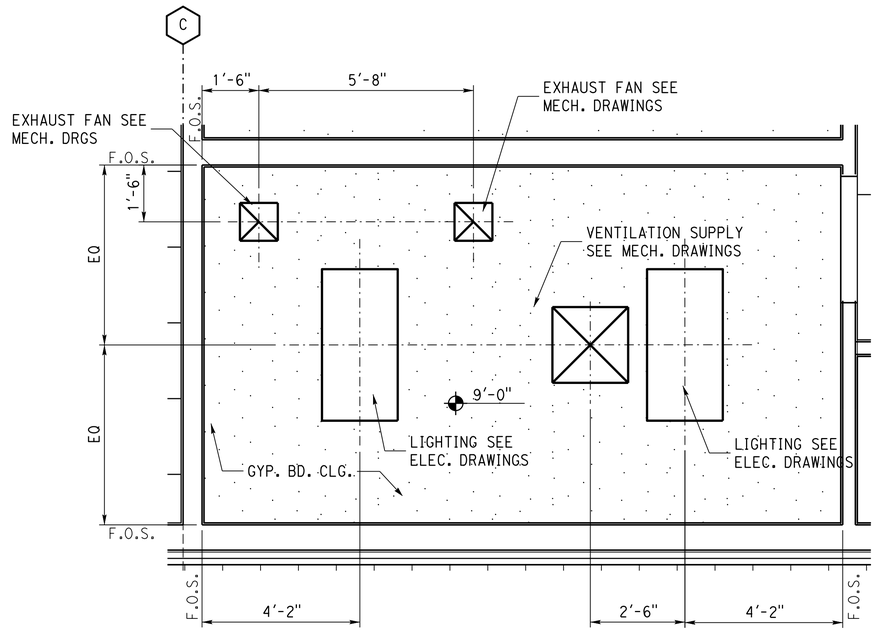
1 WOMEN INTERIOR ELEVATIONS 108 134 SIMILAR

SCALE 1/4" = 1'-0"



2 WOMEN FLOOR PLAN 108 134 SIMILAR

SCALE 1/2" = 1'-0"



3 WOMEN REFLECTED CEILING PLAN 108 134 SIMILAR

SCALE 1/2" = 1'-0"

ABBREVIATIONS

F.O.S. FACE OF STUD
F.O.FIN. FACE OF FINISH
FIN.TO.FIN. FINSH TO FINISH

KEY NOTES

1 PAINTED WALL PER INTERIOR FINISH SCHEDULE
2 WALL TILE PER INTERIOR FINISH SCHEDULE
3 6" RESILENT BASE
4 PORCELAIN TILE COVED BASE (1 / A9-12)
5 CFS TRUSS SEE STRUCTURE DRAWINGS
6 CABINET SEE (D / A9-14) (E / A9-14)
7 WOOD TRIM (9 / A9-12)
8 ACCESSIBLE WATER CLOSET (3 / A0-3.4)
9 ACCESSIBLE URINAL (4 / A0-3.4)
10 LOCKER
11 ROOM IDENTIFICATION SIGN (1 / A0-3.3)
12 CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13 EXIT SIGN - SEE ELECTRICAL DRAWINGS
14 GRAB BAR (6 / A0-3.4)
15 RECESSED PTD/R SEE (3 / A0-3.5)
16 ACCESSIBLE HAND DRYER SEE (3 / A0-3.5)
17 ACCESSIBLE LAVATORY SEE (5 / A0-3.4)
18 INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / A0-3.3)
19 INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20 INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — ENLARGED PLANS AND INTERIOR ELEVATIONS

SHEET A8-2

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	63	80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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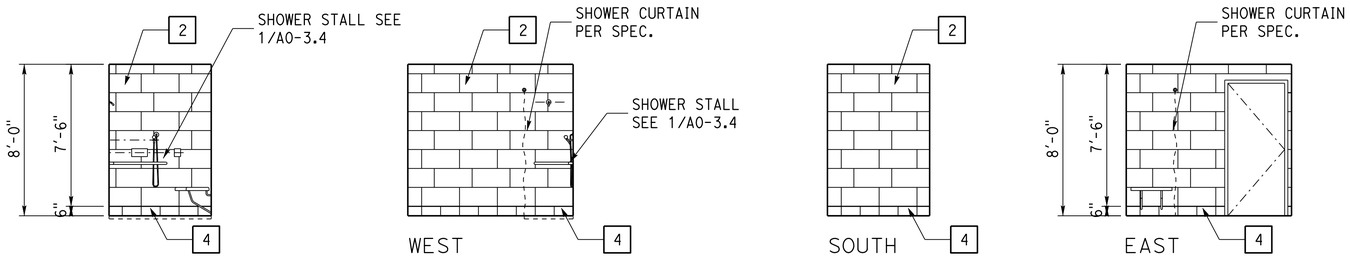
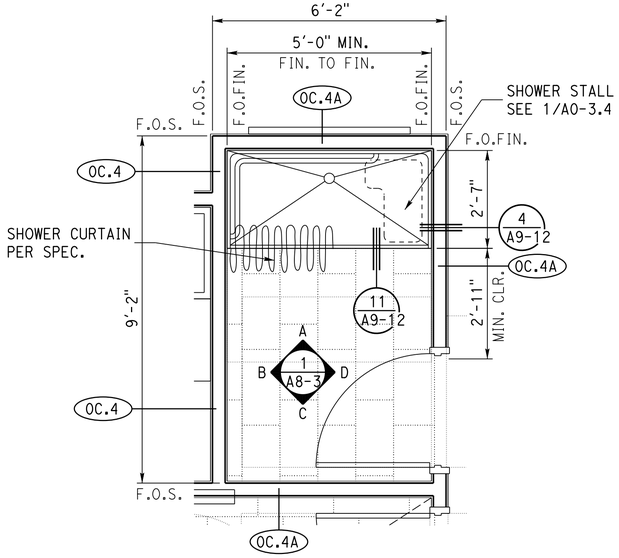


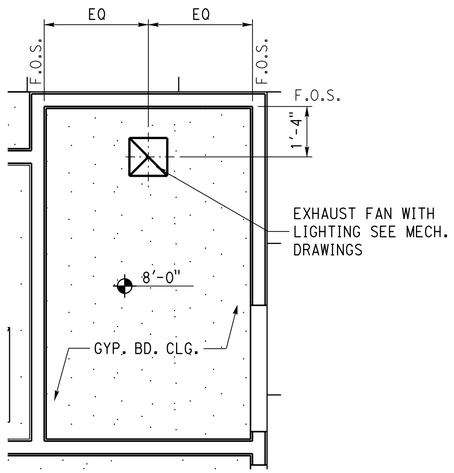
1 SHOWER INTERIOR ELEVATIONS 106 132 SIMILAR

SCALE 1/4" = 1'-0"



2 SHOWER FLOOR PLAN

SCALE 1/2" = 1'-0" 106 132 SIMILAR



3 SHOWER REFLECTED CEILING PLAN

SCALE 1/2" = 1'-0" 106 132 SIMILAR

KEY NOTES

1. PAINTED WALL PER INTERIOR FINISH SCHEDULE
2. WALL TILE PER INTERIOR FINISH SCHEDULE
3. 6" RESILENT BASE
4. PORCELAIN TILE COVED BASE (1 / A9-12)
5. CFS TRUSS SEE STRUCTURE DRAWINGS
6. CABINET SEE (D / A9-14) (E / A9-14)
7. WOOD TRIM (9 / A9-12)
8. ACCESSIBLE WATER CLOSET (3 / A0-3.4)
9. ACCESSIBLE URINAL (4 / A0-3.4)
10. LOCKER
11. ROOM IDENTIFICATION SIGN (1 / A0-3.3)
12. CLG MTD EXIT SIGN - SEE ELECTRICAL DRAWINGS
13. EXIT SIGN - SEE ELECTRICAL DRAWINGS
14. GRAB BAR (6 / A0-3.4)
15. RECESSED PTD/R SEE (3 / A0-3.5)
16. ACCESSIBLE HAND DRYER SEE (3 / A0-3.5)
17. ACCESSIBLE LAVATORY SEE (5 / A0-3.4)
18. INTERIOR ACCESSIBLE EXIT SIGN - SEE (2 / A0-3.3)
19. INTERIOR ACCESSIBLE EXIT ROUTE SIGN - SEE (6 / A9-13)
20. INTERIOR ACCESSIBLE EXIT SIGN - SEE (7 / A9-13)

ABBREVIATIONS

F.O.S. FACE OF STUD
F.O.FIN. FACE OF FINISH
FIN.TO.FIN. FINSH TO FINISH

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		115	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT FRANK THOMAS No. C31406 04-30-27 RENEWAL DATE STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
FLOOR PLAN
ENLARGED PLANS AND INTERIOR ELEVATIONS

SHEET A8-3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	64	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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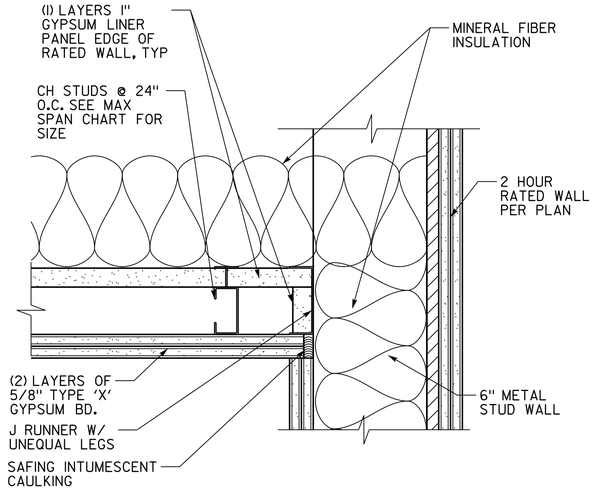


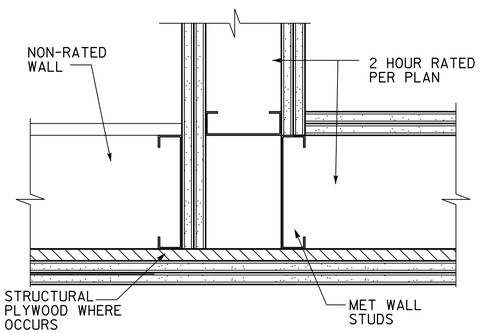
2-HR ASSEMBLY

CH STUDS	MAX SPAN
212CH25-18	7'-10"
212CH20-34	9'-8"
400CH25-18	7'-7"
400CH20-34	14'-0"
600CH20-34	19'-7"

PROGRESSINVE ENGINEERING REPORT AER 09038

4 TWO HOUR CEILING ASSEMBLY

SCALE 3" = 1'-0"



3 2 HOUR FIRE BARRIER

SCALE 3" = 1'-0"

THROUGH-PENETRATION FIRESTOP SYSTEMS
UL DESIGN NO. F-C-1059

F Rating - 1 AND 2 HR
T Rating - 0 AND 1/2 HR

1. FLOOR - CEILING ASSEMBLY -

THE 1 OR 2 HR FIRE-RATED SOLID OR TRUSSED LUMBER JOIST FLOOR-CEILING ASSEMBLY MUST BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES FLOOR-CEILING DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY. THE F, FH RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE RATING OF THE FLOOR-CEILING AND WALL ASSEMBLIES. THE T, FT AND FTH RATING OF THE FIRESTOP SYSTEM IS 0 HR FOR 1 HR RATED FLOOR-CEILING ASSEMBLY AND 1/2 HR FOR 2 HR RATED FLOOR CEILING ASSEMBLY. THE GENERAL CONSTRUCTION FEATURES OF THE FLOOR-CEILING ASSEMBLY ARE SUMMARIZED BELOW:

A. FLOORING SYSTEM LUMBER OR PLYWOOD SUBFLOOR WITH FINISH FLOOR OF LUMBER, PLYWOOD OR FLOOR TOPPING MIXTURE* AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF OPENING MUST BE 7-5/8 IN. (194 MM).
B. WOOD JOISTS* NOM 10 IN (254 MM) DEEP (OR DEEPER) LUMBER, STEEL OR COMBINATION LUMBER AND STEEL JOISTS, TRUSSES OR STRUCTURAL WOOD MEMBERS WITH BRIDGING AS REQUIRED AND WITH ENDS FIRESTOPPED.
C. GYPSUM BOARD* THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS MUST BE AS SPECIFIED IN THE INDIVIDUAL FLOOR-CEILING DESIGN. MAX DIAM OF OPENING MUST BE 7-5/8 IN. (194 MM).
D. FURRING CHANNELS (NOT SHOWN) (AS REQUIRED) RESILIENT GALVANIZED STEEL FURRING INSTALLED IN ACCORDANCE WITH THE MANNER SPECIFIED IN THE INDIVIDUAL L500 SERIES DESIGNS IN THE FIRE RESISTANCE DIRECTORY.

2. THROUGH-PENETRANT -

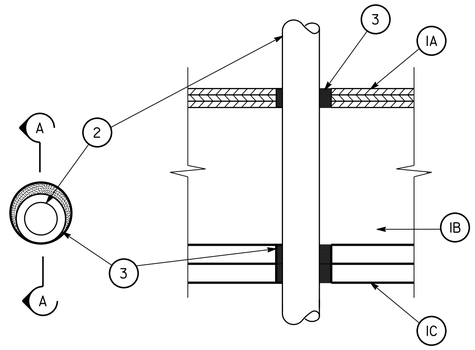
ONE METALLIC TUBING, PIPE OR CONDUIT TO BE INSTALLED CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND EDGE OF OPENING TO BE MIN 1/4 IN. (6 MM) AND MAX 3/4 IN. (19 MM). PIPE, TUBING OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR-CEILING ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, TUBING OR CONDUIT MAY BE USED:

A. STEEL PIPE NOM 6 IN. (152 MM) DIAM (OR SMALLER) SCHEDULE 40 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE NOM 6 IN. (152 MM) DIAM (OR SMALLER) CAST OR DUCTILE PIPE.
C. CONDUIT NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR NOM 6 IN. DIAM (OR SMALLER) STEEL CONDUIT.
D. STEEL FLEXIBLE METAL CONDUIT + NOM 2 IN. (51 MM) DIAM (OR SMALLER) STEEL FLEXIBLE METAL CONDUIT.

3. FILL, VOID OR CAVITY MATERIAL* SEALANT

MIN 5/8 IN. (16 MM) OR 1-1/4 IN. (32 MM) THICKNESS OF SEALANT APPLIED WITHIN ANNULAR SPACE, FLUSH WITH THE BOTTOM SURFACE OF GYPSUM WALLBOARD OR LOWER TOP PLATE FOR 1 AND 2 HR FLOORS RESPECTIVELY. MIN. 3/4 IN. (19 MM) THICKNESS OF SEALANT APPLIED WITHIN ANNULAR SPACE, FLUSH WITH TOP SURFACE OF FLOOR OR SOLE PLATE. HILTI INC FS-ONE SEALANT OR FS-ONE MAX INTUMESCENT SEALANT

+BEARING THE UL LISTING MARK.
*BEARING THE UL CLASSIFICATION MARK



SECTION A-A

2 2 HR RATED FIRESTOP FOR PIPE/CONDUIT THRU RATED BARRIER

THROUGH-PENETRATION FIRESTOP SYSTEMS
UL DESIGN NO. W-L-1054

F Rating - 2 HR
T Rating - 0 HR

1. WALL ASSEMBLY -

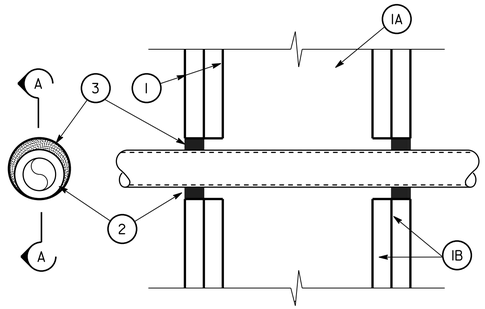
THE 1OR 2 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY MUST BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND MUST INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
A. STUDS WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 2-1/2 IN. (64 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC. FOR M RATING, STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE. WHEN STEEL STUDS ARE USED AND THE DIAM OF OPENING EXCEEDS THE WIDTH OF STUD CAVITY, THE OPENING MUST BE FRAMED ON ALL SIDES USING LENGTHS OF STEEL STUD INSTALLED BETWEEN THE VERTICAL STUDS AND SCREW-ATTACHED TO THE STEEL STUDS AT EACH END. THE FRAMED OPENING IN THE WALL MUST BE 4 TO 6 IN. (102 TO 152 MM) WIDER AND 4 TO 6 IN. (102 TO 152 MM) HIGHER THAN THE DIAM OF THE PENETRATING ITEM SUCH THAT, WHEN THE PENETRATING ITEM IS INSTALLED IN THE OPENING, A 2 TO 3 IN. (51 TO 76 MM) CLEARANCE IS PRESENT BETWEEN THE PENETRATING ITEM AND THE FRAMING ON ALL FOUR SIDES.
B. GYPSUM BOARD* 5/8 IN. (16 MM) THICK, 4 FT (122 CM) WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM BOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION MUST BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAM OF OPENING IS 32-1/4 IN. (819 MM) FOR STEEL STUD WALLS. MAX DIAM OF OPENING IS 14-1/2 IN. (368 MM) FOR WOOD STUD WALLS. THE F AND FH RATINGS OF THE FIRESTOP SYSTEM ARE EQUAL TO THE FIRE RATING OF THE WALL ASSEMBLY. THE M RATING IS APPLICABLE ONLY TO 1HR RATED WALLS.

2. THROUGH-PENETRANT

ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE MUST BE MIN 0 IN. TO MAX 2-1/4 IN. (57 MM). PIPE MAY BE INSTALLED WITH CONTINUOUS POINT CONTACT. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
A. STEEL PIPE NOM 30 IN. (762 MM) DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
B. IRON PIPE NOM 30 IN. (762 MM) DIAM (OR SMALLER) CAST OR DUCTILE IRON PIPE.
C. CONDUIT NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR 6 IN. (152 MM). DIAM STEEL CONDUIT. D. COPPER TUBING NOM 6 IN. (152 MM) DIAM (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING.
E. COPPER PIPE NOM 6 IN. (152 MM) DIAM (OR SMALLER) REGULAR (OR HEAVIER) COPPER PIPE

3. FILL, VOID OR CAVITY MATERIAL SEALANT

MIN 5/8 IN. (16 MM) THICKNESS OF FILL MATERIAL APPLIED WITHIN THE ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. AT THE POINT OR CONTINUOUS CONTACT LOCATIONS BETWEEN PIPE AND WALL, A MIN 1/2 IN. (13 MM) DIAM BEAD OF FILL MATERIAL MUST BE APPLIED AT THE PIPE WALL INTERFACE ON BOTH SURFACES OF WALL.



SECTION A-A

1 2 HR RATED FIRESTOP FOR PIPE/CONDUIT THRU RATED BARRIER

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		116	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — 2 HOUR NOTE PENETRATION & DETAILS

SHEET A9-1A

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	65	80

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		117	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

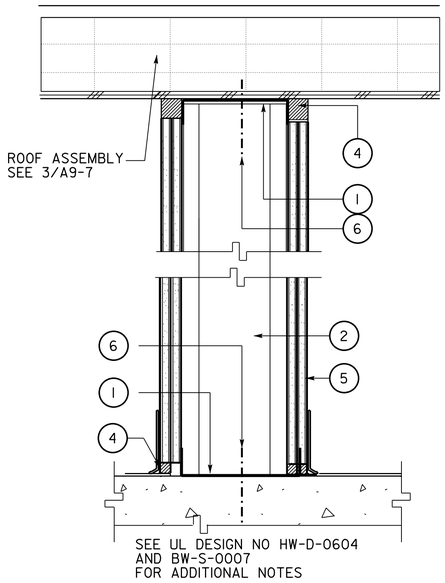
FIRE RESISTANCE RATINGS

UL DESIGN NO U419

NON-BEARING WALL RATING- 2 HOUR

1. FLOOR AND CEILING RUNNERS - CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN DEPTH TO ACCOMMODATE STUD SIZE, WITH MIN 1-1/4" LONG LEGS, ATTACHED TO FLOOR AND CEILING WITH FASTENERS SPACED MAX 24" OC.
2. STEEL STUDS - CHANNEL SHAPED, FABRICATED FROM MIN 25 MSG CORROSION-PROTECTED STEEL, MIN WIDTH 3-1/2", MIN 1-1/4" FLANGES AND 1/4" RETURN, SPACED A MAX OF 24" OC. STUDS TO BE CUT 3/8" TO 3/4" LESS THAN ASSEMBLY HEIGHT.
3. WOOD STRUCTURAL PANEL SHEATHING (OPTIONAL) - 4 FT WIDE, 7/16" THICK ORIENTED STRAND BOARD OR 15/32" THICK STRUCTURAL I SHEATHING COMPLYING WITH DOC PS1 OR PS2, OR APA STANDARD PRP-108, MANUFACTURED WITH EXTERIOR GLUE, APPLIED HORIZONTALLY OR VERTICALLY TO THE STEEL STUDS. VERTICAL JOINTS CENTERED ON STUDS, AND STAGGERED ONE STUD SPACE FROM WALLBOARD JOINTS. ATTACHED TO STUDS WITH FLAT-HEAD SELF-DRILLING TAPPING SCREWS WITH A MIN HEAD DIAM OF 0.292" AT MAX 6" OC IN THE PERIMETER AND 12" OC IN THE FIELD. WHEN USED, FASTENER LENGTHS FOR GYPSUM PANELS INCREASED BY MIN 1/2".
4. BATT AND BLANKET BEARING THE UL CLASSIFICATION MARK - MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS.
5. GYPSUM BOARD BEARING THE UL CLASSIFICATION MARK - TWO LAYER, 5/8" THICK GYPSUM PANEL ON EACH SIDE OF MIN 3-1/2" STUD WALL, WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIY VERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONE STUD CAVITY ON OPPOSITE SIDE OF STUDS. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEEL FRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDS NEED NOT BE STAGGERED.
6. FASTENERS - TYPE S OR S-12 STEEL SCREWS USED TO ATTACH PANELS TO STUDS. 1" LONG FOR 1/2" AND 5/8" THICK PANELS OR 1-1/4" LONG FOR 3/4" THICK PANELS, SPACED 8" OC WHEN PANELS ARE APPLIED HORIZONTALLY, OR 8" OC ALONG VERTICAL AND BOTTOM EDGES AND 12" OC IN THE FIELD WHEN PANELS ARE APPLIED VERTICALLY.

   JOINT TAPE AND COMPOUND - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM 2" WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINT OF OUTER LAYER PANELS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM PANELS AND SUPPLIED WITH A SQUARE EDGE.



1 2 HR FIRE BARRIER

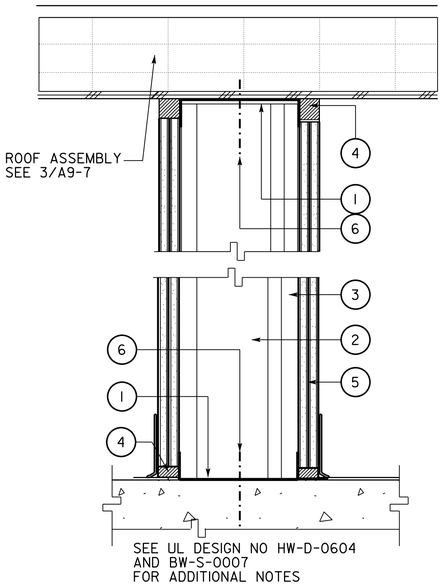
SCALE 3" = 1'-0" UL DESIGN NO. V419

FIRE RESISTANCE RATINGS

UL DESIGN NO U423

BEARING WALL RATING- 2 HOUR

1. FLOOR AND CEILING RUNNERS - CHANNEL SHAPED, FABRICATED MIN 3-1/2 IN. DEEP WITH 1-1/4 IN. FLANGES FROM MIN 0.0329 IN., BARE METAL THICKNESS (NO. 20 MSG) CORROSION-PROTECTED STEEL, THAT PROVIDE A SOUND STRUCTURAL CONNECTION BETWEEN STEEL STUDS AND ADJACENT ASSEMBLIES SUCH AS FLOORS, CEILINGS AND/OR OTHER WALLS. ATTACHED TO FLOOR AND CEILING ASSEMBLIES WITH STEEL FASTENERS SPACED NOT GREATER THAN 24 IN. OC.
2. STEEL STUDS - CHANNEL SHAPED, FABRICATED FROM MIN 20 MSG CORROSION-PROTECTED OR GALV STEEL, 3-1/2 IN. MIN WIDTH, MIN 1-1/2 IN. FLANGES AND 1/4 IN. RETURN, SPACED A MAX OF 16 IN. OC. STUDS FRICTION-FIT INTO FLOOR AND CEILING RUNNERS.
3. WOOD STRUCTURAL PANEL SHEATHING - 4 FT WIDE, 7/16 IN. THICK ORIENTED STRAND BOARD (OSB) OR 15/32 IN. THICK STRUCTURAL I SHEATHING (PLYWOOD) COMPLYING WITH DOC PS1 OR PS2, OR APA STANDARD PRP-108, MANUFACTURED WITH EXTERIOR GLUE, APPLIED HORIZONTALLY OR VERTICALLY TO THE STEEL STUDS. VERTICAL JOINTS CENTERED ON STUDS, AND STAGGERED ONE STUD SPACE FROM WALLBOARD JOINTS. ATTACHED TO STUDS WITH FLAT-HEAD SELF-DRILLING TAPPING SCREWS WITH A MIN. HEAD DIAM. OF 0.292 IN. AT MAXIMUM 6 IN. OC. IN THE PERIMETER AND 12 IN. OC. IN THE FIELD. WHEN USED, GYPSUM PANELS ATTACHED OVER OSB OR PLYWOOD PANELS AND FASTENER LENGTHS FOR GYPSUM PANELS INCREASED BY MIN. 1/2 IN.
4. BATT AND BLANKET BEARING THE UL CLASSIFICATION MARK NOM 2 IN. THICK MINERAL WOOL BATTS, FRICTION FITTED BETWEEN STUDS AND RUNNERS
5. GYPSUM BOARD BEARING THE UL CLASSIFICATION MARK - TWO LAYERS, 5/8" THICK GYPSUM PANELON EACH SIDE OF MIN 3-1/2" STUD WALL, WITH BEVELED, SQUARE OR TAPERED EDGES, APPLIEDVERTICALLY OR HORIZONTALLY. VERTICAL JOINTS CENTERED OVER STUDS AND STAGGERED ONESTUD CAVITY ON OPPOSITE SIDE OF STUDS. HORIZONTAL JOINTS NEED NOT BE BACKED BY STEELFRAMING. HORIZONTAL EDGE JOINTS AND HORIZONTAL BUTT JOINTS ON OPPOSITE SIDES OF STUDSNEED NOT BE STAGGERED.
6. FASTENERS - TYPE S-12 STEEL SCREWS USED TO ATTACH PANELS TO RUNNERS AND STUDS OR FURRING CHANNELS. 1" LONG FOR 1/2" AND 5/8" THICK PANELS OR1-1/4" LONG FOR3/4" THICK PANELS, SPACED 8" OC WHEN PANELSARE APPLIED HORIZONTALLY, OR 12" OC WHEN PANELS ARE APPLIED VERTICALLY
7. JOINT TAPE AND COMPOUND - VINYL OR CASEIN, DRY OR PREMIXED JOINT COMPOUND APPLIED IN TWO COATS TO JOINTS AND SCREW HEADS OF OUTER LAYERS. PAPER TAPE, NOM 2 IN. WIDE, EMBEDDED IN FIRST LAYER OF COMPOUND OVER ALL JOINTS OF OUTER LAYERS. PAPER TAPE AND JOINT COMPOUND MAY BE OMITTED WHEN GYPSUM BOARDS ARE SUPPLIED WITH SQUARE EDGES.



4 2 HR FIRE BARRIER

SCALE 3" = 1'-0" UL DESIGN NO. V423

FIRE RESISTANCE RATINGS

UL DESIGN NO. HW-D-0604

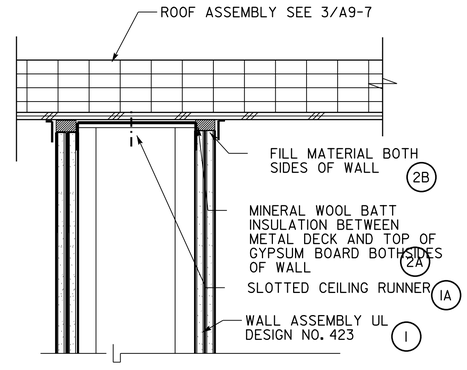
ASSEMBLY RATINGS - 1 AND 2 HR

1. WALL ASSEMBLY - 1-HR FIRE RATED WALL ASSEMBLY UL DESIGN NO U423 MUST INCLUDE

   A. LIGHT GAUGE FRAMING BEARING UL CLASSIFICATION MARK - FLOOR AND CEILING RUNNERS OF WALL ASSEMBLY MUST CONSIST OF MIN NO. 25 GAUGE GALV STEEL CHANNELS SIZED TO ACCOMMODATE STEEL STUDS. CEILING RUNNER FLANGE HEIGHT TO BE MIN 1/2 IN. (13 MM) GREATER THAN JOINT WIDTH AT MAX ANTICIPATED EXTENSION. CEILING RUNNER SECURED WITH STEEL MASONRY ANCHORS OR WELDS SPACED MAX 24 IN. (610 MM) OC. CEILING RUNNER SECURED DIRECTLY TO BOTTOM OF FLOOR FOR CONFIGURATION A. CEILING RUNNER SECURED PARALLEL TO AND CENTERED WITH FLUTE AS SHOWN IN CONFIGURATION B. FOR CONFIGURATION C, CEILING RUNNER SECURED PERPENDICULAR TO STEEL DECK FLUTES.
   B. STUDS - STEEL STUDS TO BE MIN 3-5/8 IN. (92 MM) WIDE. STUDS CUT MAX 1-1/4 IN. (32 MM) LESS IN LENGTH THAN ASSEMBLY HEIGHT TO ACCOMMODATE MAX ANTICIPATED COMPRESSION OF JOINT WIDTH WITH BOTTOM NESTING IN AND RESTING ON FLOOR RUNNER AND WITH TOP NESTING IN CEILING RUNNER WITHOUT ATTACHMENT. STUD SPACING NOT TO EXCEED 24 IN. (610 MM) OC.
   C. GYPSUM BOARD BEARING THE UL CLASSIFICATION MARK - GYPSUM BOARD SHEETS INSTALLED TO A MIN TOTAL THICKNESS OF 5/8 IN., 1-1/4 IN., 1-7/8 IN., OR 2-1/2 IN. (16, 32, 48 OR 64 MM) ON EACH SIDE OF WALL FOR 1, 2, 3 AND 4 HR FIRE RATED WALL ASSEMBLIES, RESPECTIVELY. WALL TO BE CONSTRUCTED AS SPECIFIED IN THE INDIVIDUAL U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY, EXCEPT THAT A MAX 2 IN. (51 MM) GAP MUST BE MAINTAINED BETWEEN THE TOP OF THE GYPSUM BOARD AND THE BOTTOM SURFACE OF THE FLOOR. THE SCREWS SECURING SUCCESSIVE LAYERS OF GYPSUM BOARD MUST BE STAGGERED MIN 1 IN. (25 MM) FROM SCREWS IN PRECEDING LAYER(S). TOP ROW OF SCREWS IN FACE LAYER OF GYPSUM BOARD MUST BE INSTALLED INTO THE STUDS 1-1/2 IN. (38 MM) BELOW FLANGE OF CEILING RUNNER.
   THE HOURLY FIRE RATING OF THE JOINT SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL.

2. JOINT SYSTEM - MAX SEPARATION BETWEEN BOTTOM OF FLOOR AND TOP OF GYPSUM BOARD SHEETS AT TIME OF INSTALLATION OF JOINT SYSTEM IS 2 IN. (51 MM). THE JOINT SYSTEM IS DESIGNED TO ACCOMMODATE A MAXIMUM 50 PERCENT COMPRESSION OR EXTENSION FROM ITS INSTALLED WIDTH.

   A. FORMING MATERIAL BEARING UL CLASSIFICATION MARK - MIN 4 PCF (64 KG/M3) DENSITY MINERAL WOOL BATT INSULATION CUT TO A WIDTH EQUAL TO THE OVERALL THICKNESS OF THE GYPSUM BOARD AND WITH A THICKNESS EQUAL TO TWICE THE HEIGHT OF THE GAP BETWEEN THE TOP OF THE GYPSUM BOARD AND THE BOTTOM OF THE FLOOR. INSULATION COMPRESSED 50 PERCENT IN THICKNESS AND INSERTED BETWEEN THE TOP OF THE GYPSUM BOARD AND THE BOTTOM OF THE FLOOR ON BOTH SIDES OF THE WALL.
   B. FILL, VOID OR CAVITY MATERIAL BEARING THE UL CLASSIFICATION MARK - MIN 1/16 IN. (1.6 MM) DRY THICKNESS (1/8 IN. OR 3.2 MM WET THICKNESS) OF FILL MATERIAL SPRAYED OR BRUSHED TO COMPLETELY COVER FORMING MATERIAL AND TO OVERLAP A MIN OF 1/2 IN. (13 MM) ON TO GYPSUM BOARD AND STEEL DECK ON BOTH SIDES OF WALL.



UL DESIGN NO. HW-D-0604

2 2 HR FIRE BARRIER HEAD

SCALE 3" = 1'-0"

UL DESIGN NO. BW-S-0007

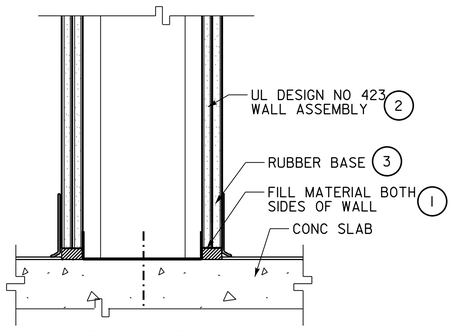
ASSEMBLY RATINGS - 1 AND 2 HR

1. FLOOR ASSEMBLY- MIN 4-1/2" THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT STRUCTURAL CONCRETE.
2. WALL ASSEMBLY- 1-HR FIRE-RATED GYPSUM BOARD/STEEL STUD WALL ASSEMBLY UL DESIGN NO U423, INCORPORATED WITH JOINT SYSTEM UL DESIGN NO HW-D-0604. THE WALL MUST INCLUDE THE FOLLOWING:

   A. STEEL FLOOR RUNNER - FLOOR RUNNERS OF WALL ASSEMBLY MUST CONSIST OF MIN 25 GAUGE GALV STEEL CHANNELS SIZED TO ACCOMMODATE STEEL STUDS. FLOOR RUNNERS TO BE PROVIDED WITH MIN 1-1/4" FLANGES. RUNNERS SECURED WITH STEEL FASTENERS SPACED 12" OC.
   B. STUDS - STEEL STUDS TO BE MIN 3-1/2" WIDE. STUDS CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH BOTTOM NESTING IN, RESTING ON AND FASTENED TO FLOOR RUNNER WITH SHEET METAL SCREWS. STUD SPACING NOT TO EXCEED 24" OC.
   C. GYPSUM BOARD BEARING THE UL CLASSIFICATION MARK - GYPSUM BOARD INSTALLED TO A MIN TOTAL THICKNESS OF 5/8" OR 1-1/4" ON EACH SIDE OF WALL FOR A 1 OR 2 HR RATED WALL, RESPECTIVELY. WALL ASSEMBLY UL DESIGN NO U423 MUST HAVE A MAX 1" GAP BETWEEN THE BOTTOM OF GYPSUM BOARD AND TOP OF CONCRETE FLOOR.

   THE HOURLY RATING OF THE JOINT SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL.

3. FILL, VOID OR CAVITY MATERIAL BEARING THE UL CLASSIFICATION MARK - CAULK OR SEALANT - MAX SEPARATION BETWEEN TOP OF FLOOR AND BOTTOM OF GYPSUM BOARD IS 1". MIN 5/8" THICKNESS OF FILL MATERIAL INSTALLED ON EACH SIDE OF THE WALL BETWEEN THE BOTTOM OF THE GYPSUM BOARD AND THE TOP OF THE CONCRETE FLOOR, FLUSH WITH EACH SURFACE OF THE WALL.



UL DESIGN NO. BW-S-0007

3 2 HR FIRE BARRIER BASE

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — 2 HOUR WALL DETAILS

SHEET **A9-2A**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)

VERSION	SHEET	OF
V2	66	80

TAEMWW Imperial - CCSC Rev. 10/20

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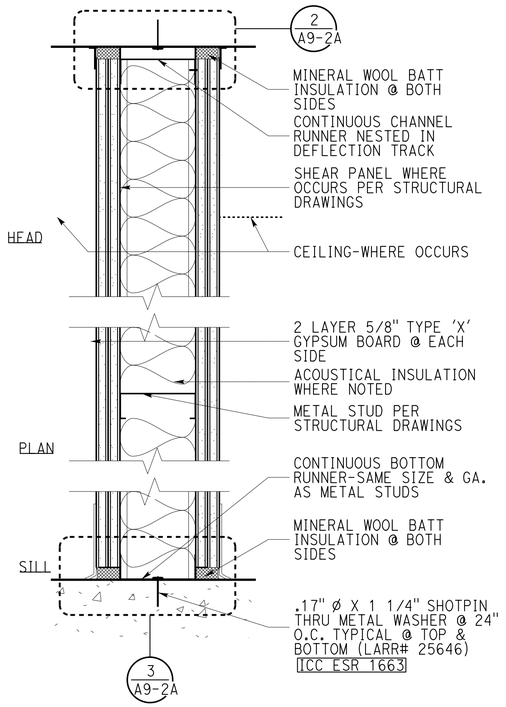
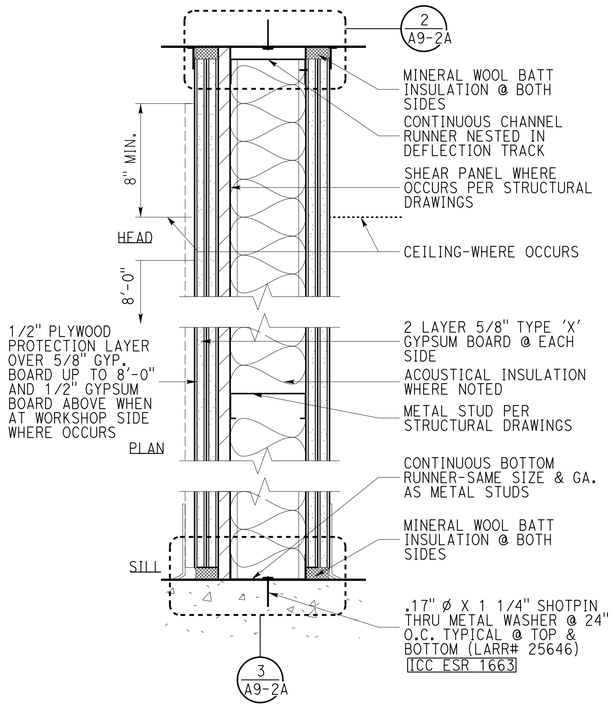


KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
2A.4	4"	YES	2-HR	U419	

A PARTITION TYPE A- 2 HOUR WALL

SCALE 3" = 1'-0"

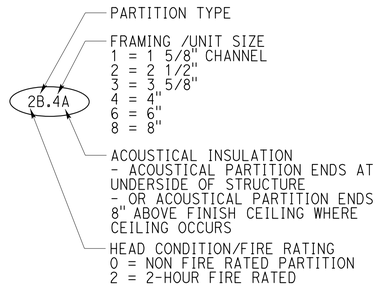


KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
2B.6A	6"	YES	2-HR	U423	STC. RATING - 50. ADD 1/2" PLYWOOD O/ 5/8" GYP. BD. UP TO 8'-0" AND 1/2" GYP. BD. ABOVE

B PARTITION TYPE B- 2 HOUR WALL

SCALE 3" = 1'-0"

PARTITION TYPE LEGEND



GENERAL WALL NOTES

1. SEE WALL SECT, DETAILS, SPECS & STRUCT. DWGS. FOR EXTERIOR WALL FRAMING. UNLESS OTHERWISE NOTED, EXTERIOR WALL FRAMING MAX.
   DEFLECTION = L/360, STUDS ARE GALVANIZED, 6" X 18 GAUGE MIN. AT 16" O.C MAX. REFER TO SPECIFICATIONS FOR DESIGN-BUI REQUIREMENTS.
2. REFER TO STRUCTURAL DRAWINGS FOR BEARING WALL FRAMING AND GAUGES.
3. FIELD ADJUSTMENTS THAT AFFECT VISIBLE ARCHITECTURAL SURFACES OR CONFIGURATIONS MUST BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.
4. METHOD AND LOCATION OF FASTENING AND BRACING TO THE BUILDING STRUCTURE MUST BE AS SPECIFIED FOR DESIGN-BUILD REQUIREMENTS & SUBMITTED FOR REVIEW.
5. INTERIOR NONBEARING WALL FRAMING FOR TOILET ROOMS & WALLS TORECEIVE TILE OR STONE FINISH TO BE 20 GAUGE MIN., MAX. DEFLECTION = L/360 METAL STUDS AT 16" O.C. MAX, UNLESS OTHERWISE NOTED.
6. ALL GYPSUM BOARD TO BE 5/8" TYPE 'X' UNLESS OTHERWISE NOTED.
7. PROVIDE STIFFENERS, BRACING, BACK-UP PLATES AS REQUIRED AT STUD WALLS FOR SUPPORTS OF TOILET ROOM FIXTURES, KITCHEN EQUIPMENT OR OTHER EQUIPMENT.
8. GC, IS TO SUBSTITUTE THE APPROPRIATE LAYER OF GYPSUM BOARD FOR:
   - -G.P. DENSSHIELD OR EQUAL TILE BACKER BOARD AT SHOWERS, AND OTHER HIGH HUMIDITY AREAS & WALLS WHERE INTERIOR FINISH PLANS CALL FOR TILE OR ADHERED STONE FINISH.
   - -G.P. MOLD RESISTANTTOUGHROCK SHEATHING OR EQUAL AT BATHROOM WALLS NOT CLAD WITH TILE BEHIND FRP PANELS.

   IN ALL CASES FIRE RATINGS SHOULD BE MAINTAINED AT RATED WALLS BY USE OF APPROPRIATE TYPE 'X' VERSIONS OF THE SHEATHING.
9. PROVIDE STIFFENERS, BRACING AS REQUIRED AT STUD WALLS WHERE STUDS EXCEED THEIR HEIGHT LIMIT & ATTACHED TO UNDERSIDE OF STRUCTURE. CALCULATIONS SIGNED BY REGISTERED STRUCTURAL ENGINEER MUST BE SUBMITTED FOR REVIEW AND APPROVAL.
10. FASTENER INFO:
    FRAMING: S-MD 10-16 X 3/4 PPH #3
    DRYWALL: 6 X 1-1/4" PBH SD (SINGLE LAYER), 6 X 1-5/8" PBH SD (DOUBLE LAYER)
    FASTENER SPACING: PER ENGINEERS AND GYPSUM ASSOCIATION'S SPECS ICBO REPORT #ER-4780
11. PLUMBING CHASE AND DUCT SHAFT WALL SIZES, LOCATIONS AND DETAILS OF FRAMING MUST BE COORDINATED BY THE G.C. WITH AFFECTED SUBCONTRACTORS, INCLUDING FIRE PROTECTION, PRIOR TO INSTALLATION.
12. FOR RATED WALL PENETRATION SEE SHEET A9-1A DETAIL 1 AND 2
13. FOR UL ASSEMBLY SEE SHEET A9-2A DETAIL 4
14. MOLD-RESISTANT GYPSUM BOARD IS REQUIRED TO BE UTILIZED WHENEVER GYPSUM BOARD IS BEING INSTALLED BEFORE THE BUILDING IS ENCLOSED (WATER-TIGHT) AND, OR CONDITIONED.
15. REFER TO ROOM FINISH SCHEDULE AND INTERIOR ELEVATIONS FOR FINISHES APPLIED OVER PARTITION ASSEMBLIES.
16. PARTITION TYPE ABOVE & BELOW OPENINGS IN PARTITIONS SUCH AS DOORS, GLAZED OPENINGS, LOUVERS, RECESSED CABINETS, ETC., MUST BE SAME AS FOR THE PARTITION INTERRUPTED BY THE OPENING.
17. WHERE WALL-MOUNTED ITEMS OCCUR AS INDICATED ON THE PLANS AND ELEVATIONS, PARTITIONS MUST INCLUDE STEEL BACKING PLATES. SEE SHEET J/A9-3
18. PARTITIONS WHICH HAVE PLUMBING FIXTURES MOUNTED ON THEM OR ADJACENT TO THEM, USE WATER RESISTANT GYPSUM BOARD WALL BOARD EXCEPT WHERE CEMENTITIOUS BACKER BOARD IS USED.
19. ALL PENETRATIONS IN FIRE RATED WALLS AND PARTITIONS MUST BE STOPPED WITH APPROVED MATERIALS.

ACOUSTIC NOTES

1. ALL GYPSUM BOARD SHEETS TO RUN VERTICALLY.
2. ALL GYPSUM BOARD JOINTS TO BE TAPED.
3. NO JOINTS EXCEPT AT STUDS.
4. DRYWALL SCREW EDGE AND FIELD SPACING PER GYPSUM BOARD MANUFACTURER'S RECOMMENDATIONS. ALL SCREWS MUST PENETRATE FRAMING.
5. ALL ACOUSTIC PARTITIONS MUST BE CAULKED AT PERIMETER AND AT ALL PENETRATIONS WITH ACOUSTIC SEALANT. USE ACOUSTICAL SEALANT TO FORM AIRTIGHT SEALS AT THE INTERSECTIONS OF ACOUSTICAL PARTITIONS WITH ALL SURROUNDING AND INTERSECTING CONSTRUCTIONS.
6. ACOUSTICALLY PROTECT ALL PENETRATIONS THROUGH ACOUSTIC WALLS. USE ACOUSTICAL SEALANT TO FORM AIRTIGHT SEALS AT ALL PENETRATIONS THROUGH ACOUSTICAL PARTITIONS.
7. ALL PARTITIONS WITH INSULATED BATTS IN THEIR STUD CAVITIES MUST BE CONSIDERED "ACOUSTICAL PARTITIONS" AND MUST CONFORM TO THE ACOUSTICAL REQUIREMENTS ON THIS SHEET, ALL PARTITION DETAIL SHEETS, AND THE SPECIFICATIONS. BOTH SIDES OF A DOUBLE-STUDDED WALL MUST BE CONSIDERED AN "ACOUSTICAL PARTITION," EVEN IF ONLY ONE OF ITS STUD CAVITY ROWS IS SPECIFIED TO CONTAIN INSULATED BATTS.
8. ALL ACOUSTICAL PARTITIONS MUST USE 25 GAUGE STUDS, EXCEPT WHERE THE PRESENCE OF WALL-HUNG ITEMS REQUIRES STIFFER STUDS. PARTITIONS REQUIRING STIFFER STUDS MUST BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR ACOUSTICAL MITIGATION.
9. THICKNESS OF ACOUSTIC BATT SHOULD BE ACCORDING TO THE STUD SIZE (I.E. FOR A 4" STUD USE 3" BATT, FOR A 6" STUD USE 5" BATT, ETC.). INSULATION BATT THICKNESS IN ACOUSTICAL PARTITIONS MUST BE WITHIN 1/2" OF THE STUD WIDTH.
10. GAUGE AND BRACING REQUIREMENTS FOR LIGHT AND COLD ROLLED METAL FRAMING SECTIONS TO BE DETERMINED BY THE CONTRACTOR BASED ON STUD SIZE AS INDICATED ON DRAWING (SEE ALSO NOTE "8" ABOVE).
11. NO MECHANICAL TIES BETWEEN OPPOSITE SIDES OF PARTITION.
12. AT ACOUSTIC WALLS HOLD GYPSUM BD. +/-1/4" FROM STRUCTURE AT TOP & BOTTOM OF WALL. THE OUTER MOST LAYER OF GYPSUM BD. MUST BE CAULKED WITH NON-HARDENING ACOUSTIC SEALANT.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		118	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			DETAILS

WEST AVE. MAINTENANCE STATION UPGRADE

INTERIOR WALL TYPE

SHEET A9-3

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	67	80

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		119	289

LICENSED ARCHITECT — DATE 07-22-24

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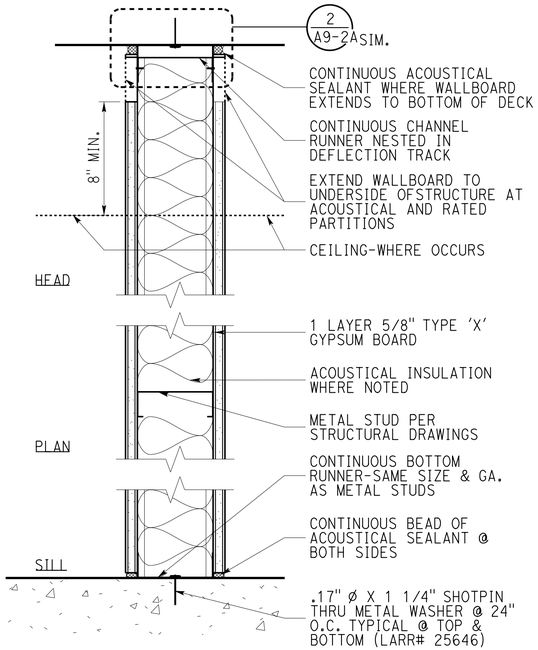
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

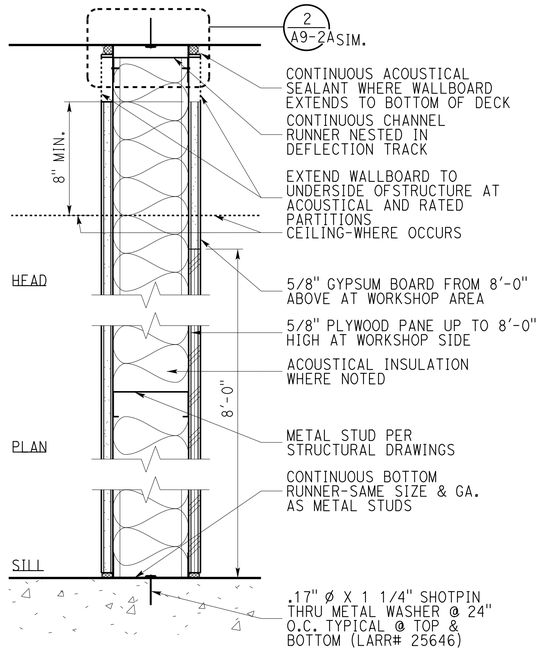
Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25



KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
OC.4	4"	NO	NONE	N/A	
OC.4A	4	YES	NONE	N/A	STC. RATING - 50
OC.8	8"	YES	NONE	N/A	
OC.8A	8"	YES	NONE	N/A	STC. RATING - 50

C PARTITION TYPE C - NON RATED WALL

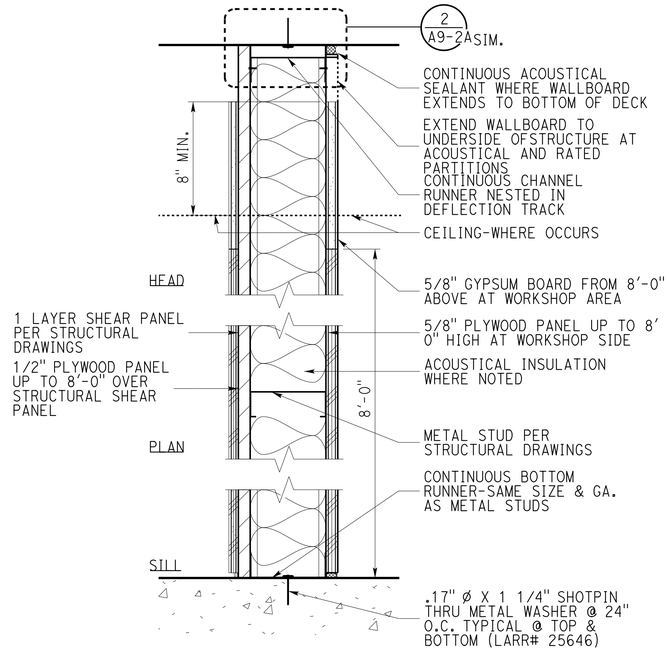
SCALE 3" = 1'-0"



KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS	
OD.4	4"	NO	NONE	N/A		
OD.4A	4"	NO	NONE	N/A	STC. RATING - 50	NOT USED
OD.8A	8"	YES	NONE	N/A	STC. RATING - 50	NOT USED

D PARTITION TYPE D - NON RATED WALL

SCALE 3" = 1'-0"

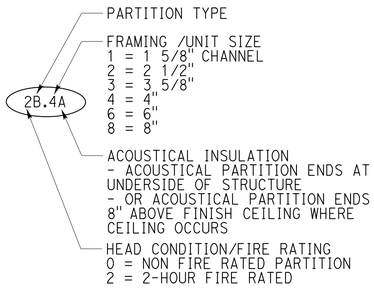


KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
OE.6	6"	NO	NONE	N/A	
OE.6A	6"	NO	NONE	N/A	STC. RATING - 50

E PARTITION TYPE E - NON RATED WALL

SCALE 3" = 1'-0"

PARTITION TYPE LEGEND



DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN
QUANTITIES	BY	CHECKED	UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725 — POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — INTERIOR WALL TYPE

SHEET A9-3.1

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	68	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

8-JUL-2025 08:20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		120	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 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

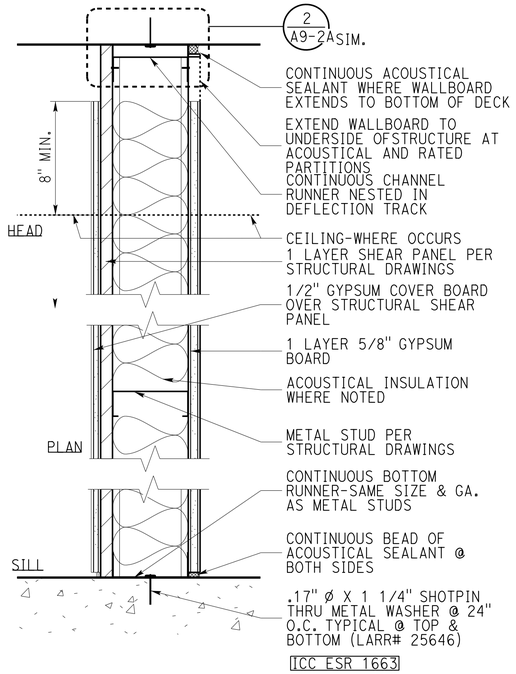
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

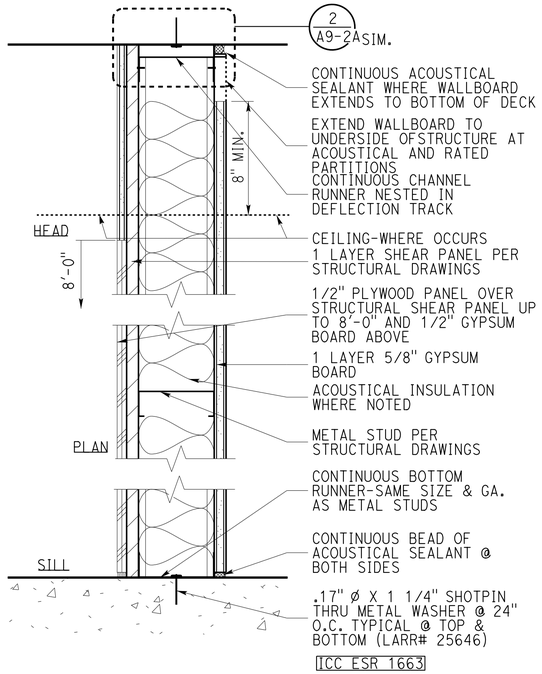
PARTITION TYPE LEGEND

2B.4A

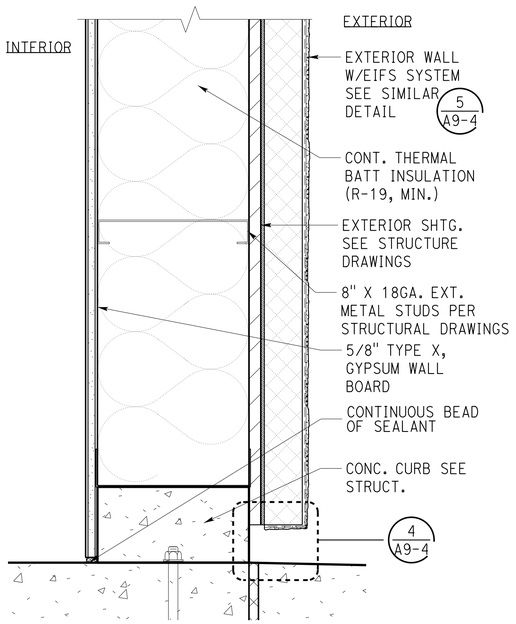
- PARTITION TYPE
- FRAMING /UNIT SIZE
  1 = 1 5/8" CHANNEL
  2 = 2 1/2"
  3 = 3 5/8"
  4 = 4"
  6 = 6"
  8 = 8"
- ACOUSTICAL INSULATION
  - ACOUSTICAL PARTITION ENDS AT UNDERSIDE OF STRUCTURE
  - OR ACOUSTICAL PARTITION ENDS 8" ABOVE FINISH CEILING WHERE CEILING OCCURS
- HEAD CONDITION/FIRE RATING
  0 = NON FIRE RATED PARTITION
  2 = 2-HOUR FIRE RATED

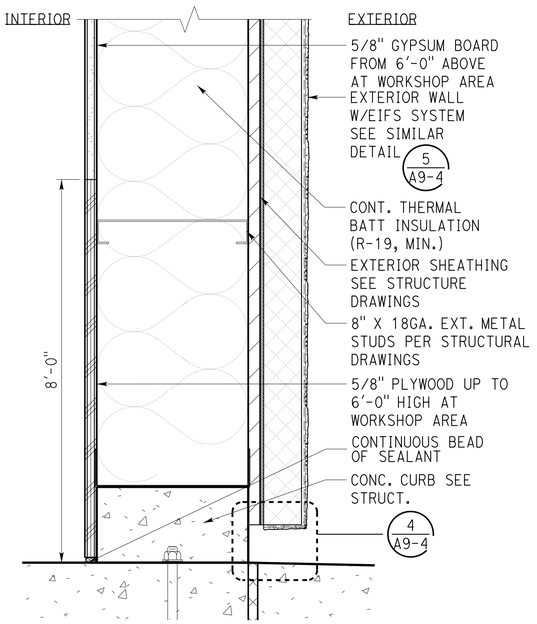


KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
0F.6	6"	NO	NONE	N/A	
0F.6A	6"	NO	NONE	N/A	STC. RATING - 50
0F.8	8"	YES	NONE	N/A	
0F.8A	8"	YES	NONE	N/A	STC. RATING - 50



KEY	STUD SIZE	BATT INSUL.	FIRE RATING	UL LISTING	REMARKS
0G.6A	6"	NO	NONE	N/A	STC. RATING - 50
0G.8A	8"	YES	NONE	N/A	STC. RATING - 50





F PARTITION TYPE F - NON RATED WALL

SCALE 3" = 1'-0"

G PARTITION TYPE G - NON RATED WALL

SCALE 3" = 1'-0"

X1 EXTERIOR WALL TYPE X1

SCALE 3" = 1'-0"

X2 EXTERIOR WALL TYPE X2

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS: INTERIOR AND EXTERIOR WALL TYPE

SHEET A9-3.2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

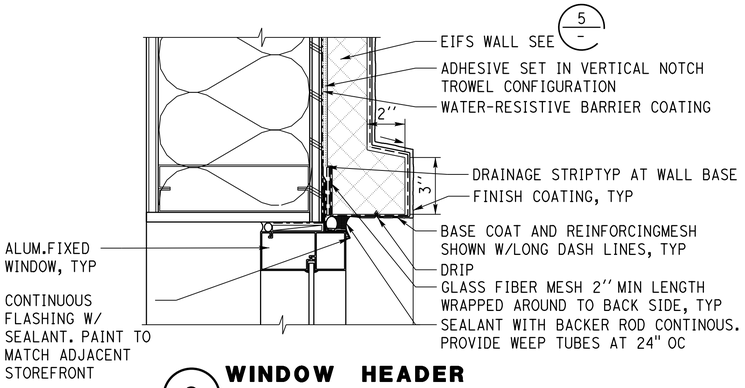
DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	69	80

TAEMWW Imperial - CCSC Rev. 10/20

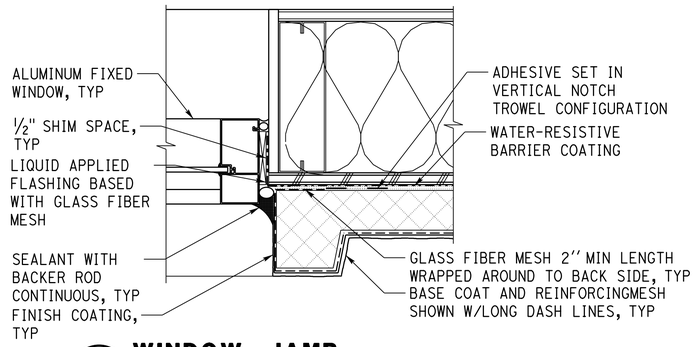
8-JUL-2025 08:20

D:\06-0X430 West Ave MS\Expedite\Arch\DGN\a9_3.2_detail interior and exterior wall type.dgn



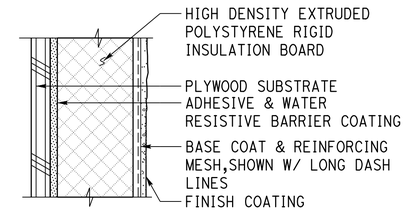
9 WINDOW HEADER

SCALE 3" = 1'-0"



6 WINDOW JAMB

SCALE 3" = 1'-0"



3 EIFS DETAIL

SCALE 6" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		121	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

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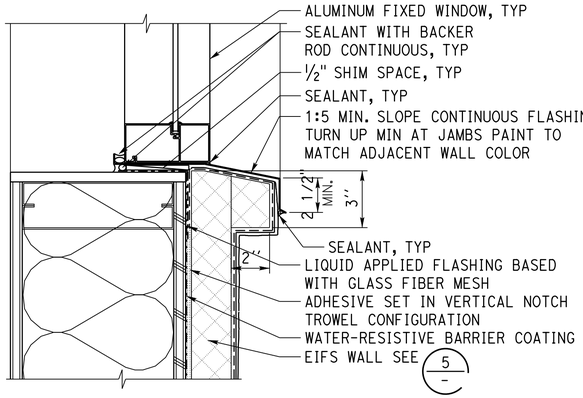
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

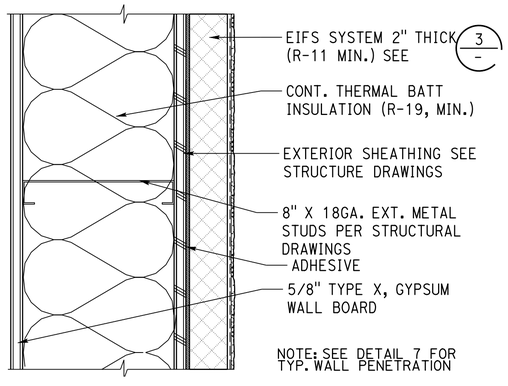
PROJECT ID
0618000065

Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25



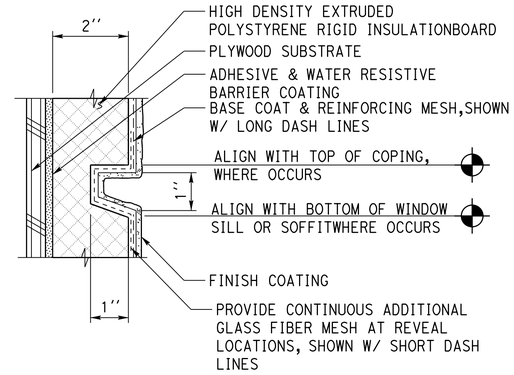
8 WINDOW SILL

SCALE 3" = 1'-0"



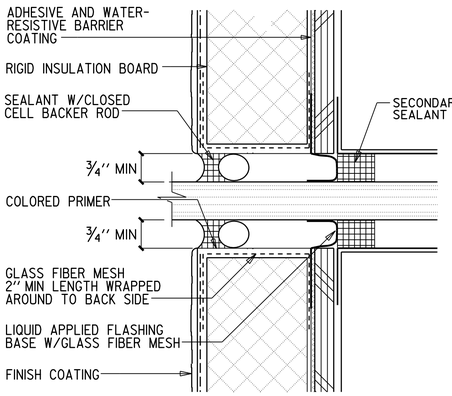
5 EXTERIOR WALL DETAIL

SCALE 3" = 1'-0"



2 EIFS HORIZONTAL REVEAL

SCALE 6" = 1'-0"



7 PENETRATION

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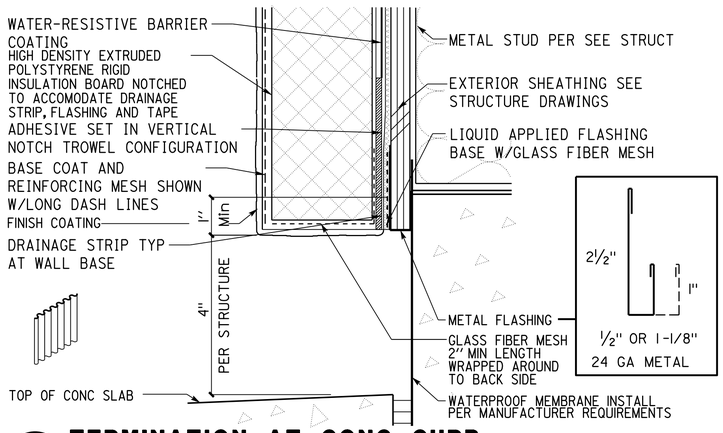
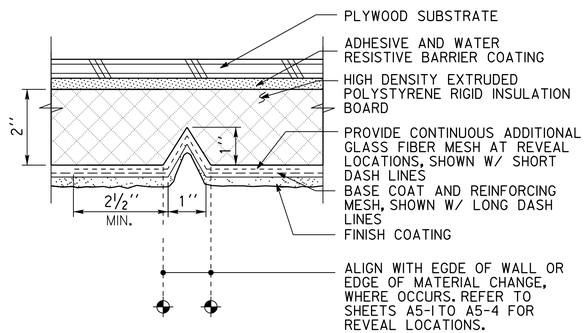


4 TERMINATION AT CONC CURB

NO SCALE



1 EIFS VERTICAL REVEAL

SCALE 6" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — EIFS AND WINDOW DETAILS

SHEET **A9-4**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 70 | 80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:55

C:\Users\s155715\OneDrive - California Department of Transportation_Job Folders\BOE\06-0X430 w Samira\7.7.2025\Arch\DGN\a9_4_details_exterior detail.dgn

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		122	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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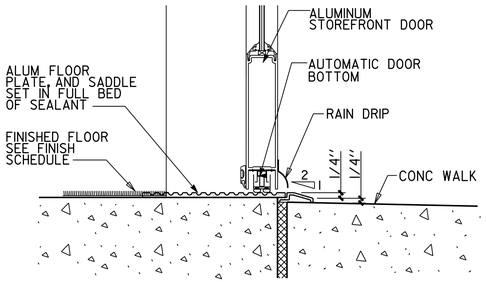
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

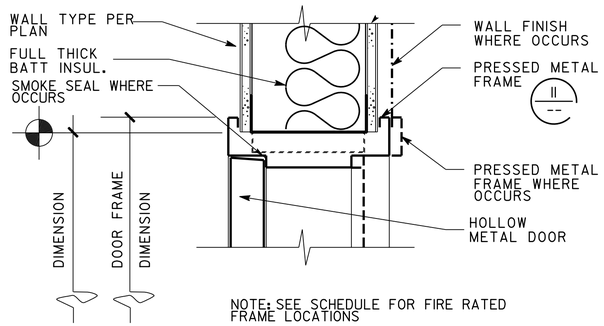
PROJECT ID
0618000065

Reviewed by: ROBERTINO V. QUIBIN
Date: 03-04-25



11 ALUMINUM STORE FRONT DOOR @ THRESHOLD

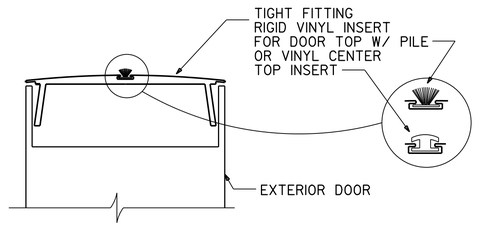
3" = 1'-0"



NOTE: SEE SCHEDULE FOR FIRE RATED FRAME LOCATIONS

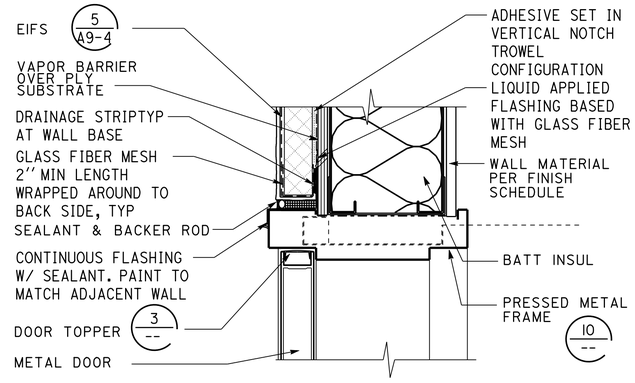
8 INTERIOR DOOR JAMB/HEAD SIM.

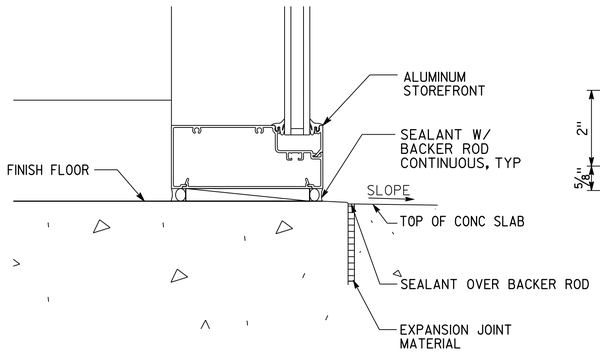
SCALE 3" = 1'-0"



5 EXTERIOR DOOR TOPPER

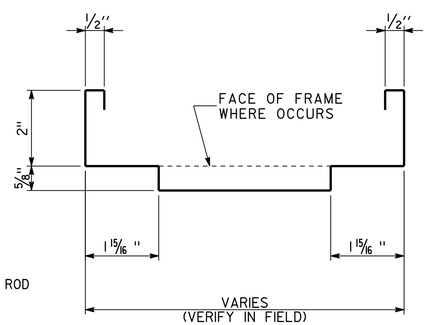
NO SCALE





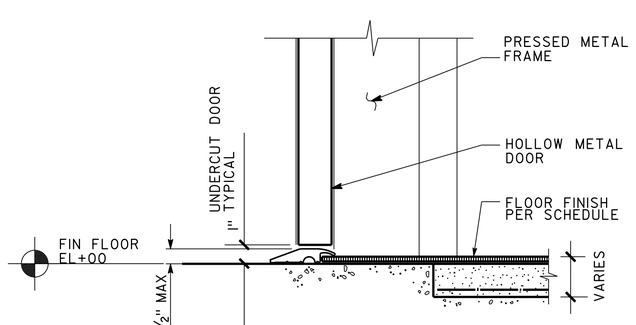
10 ALUMINUM STOREFRONT WINDOW SILL @CONC CURB

6" = 1'-0"



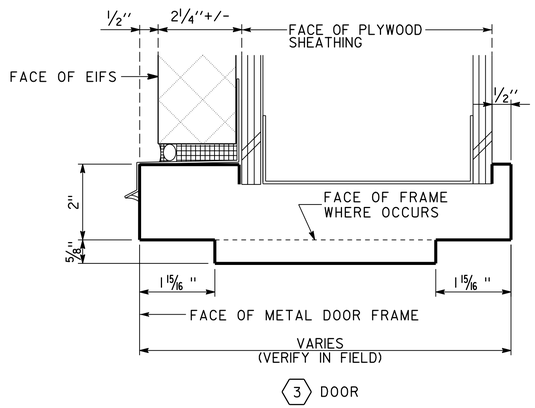
7 PRESSED METAL FRAME

SCALE 6" = 1'-0"



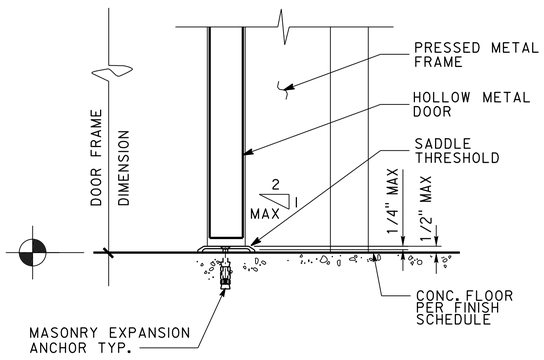
4 INTERIOR DOOR THRESHOLD

SCALE 3" = 1'-0"



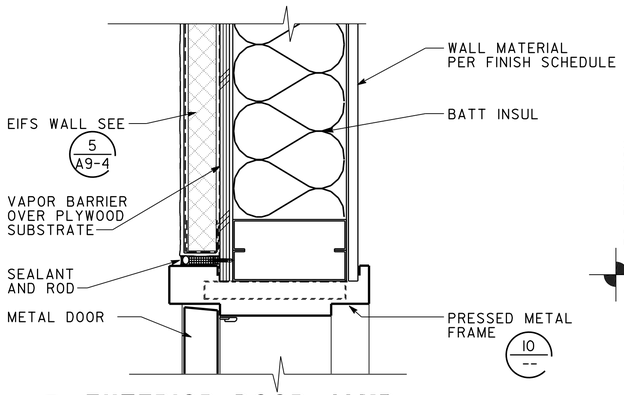
9 EXT PRESSED METAL FRAME

SCALE 6" = 1'-0"



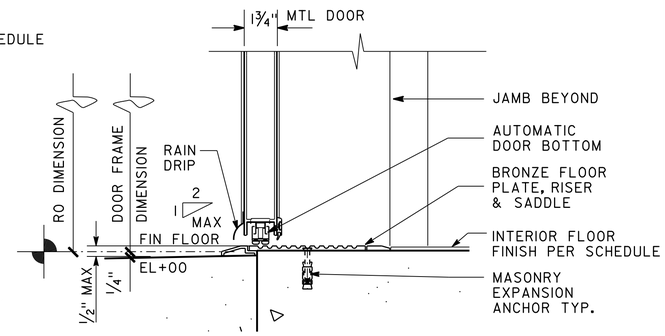
6 INTERIOR DOOR THRESHOLD

SCALE 3" = 1'-0"



3 EXTERIOR DOOR JAMB

SCALE 3" = 1'-0"



2 EXTERIOR DOOR HEAD

SCALE 3" = 1'-0"

1 EXTERIOR DOOR THRESHOLD

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — EXTERIOR DOOR AND STOREFRONT DETAILS

SHEET **A9-5**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	71	80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

C:\Users\s155715\OneDrive - California Department of Transportation_Job Folders\BOE\06-0X430 w Samra\7.7.2025\Arch\DGN\a9_5_details_exterior door and storefront detail.dgn

7-JUL-2025 16:55

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		123	289

LICENSED ARCHITECT — DATE 07-22-24

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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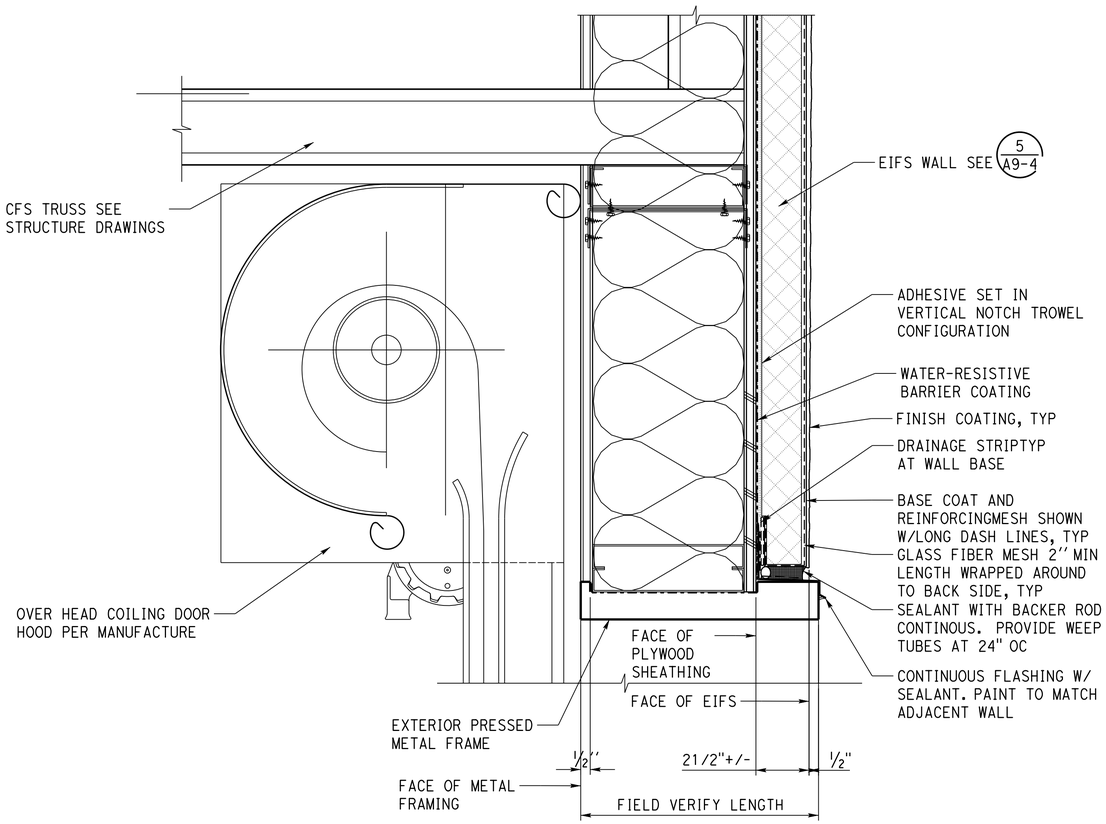
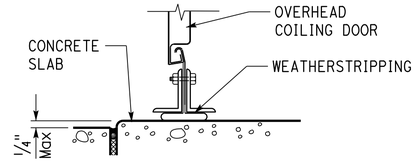
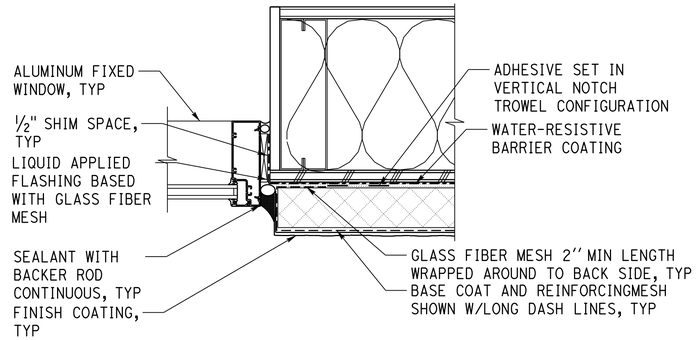
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

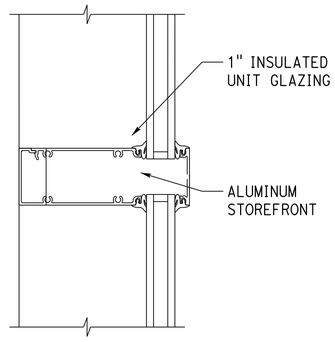




5 COILING OVERHEAD DOOR SILL

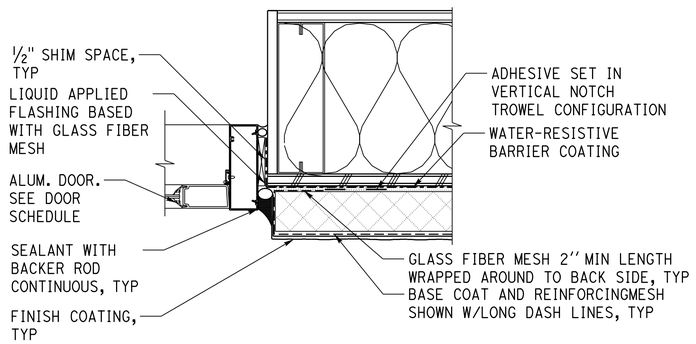
NOT TO SCALE





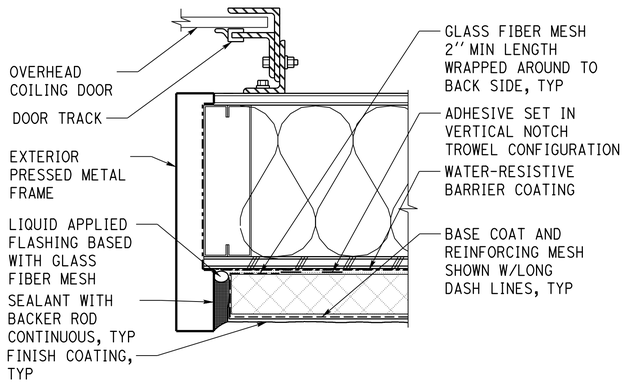
2 ALUM. STOREFRONT HORIZONTAL MULLION

6" = 1'-0"



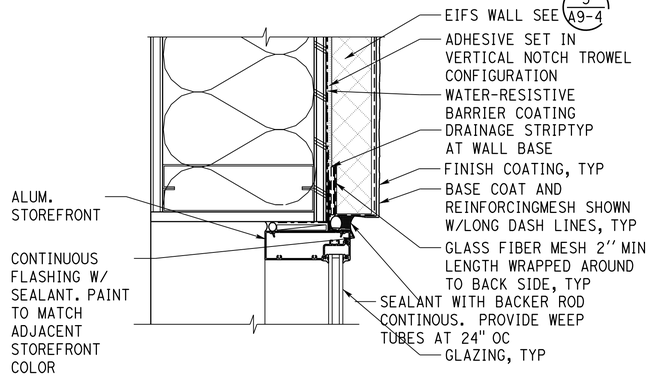
7 OVERHEAD COILING DOOR HEADER

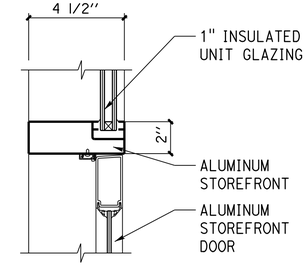
SCALE 3" = 1'-0"



4 ALUMINUM STOREFRONT JAMB

SCALE 3" = 1'-0"





TYP HEAD (JAMB SIMILAR)

8 ALUMINUM STOREFRONT DOOR JAMB

SCALE 3" = 1'-0"

6 OVERHEAD COILING DOOR JAMB

SCALE 3" = 1'-0"

3 ALUMINUM STRorefront HEADER DETAIL

SCALE 3" = 1'-0"

1 ALUM. STOREFRONT DOOR HEAD DETAIL

3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A9-6
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	DETAILS	EXTERIOR STOREFRONT DETAILS	
QUANTITIES	BY	CHECKED						

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	72	80

7-JUL-2025 16:55

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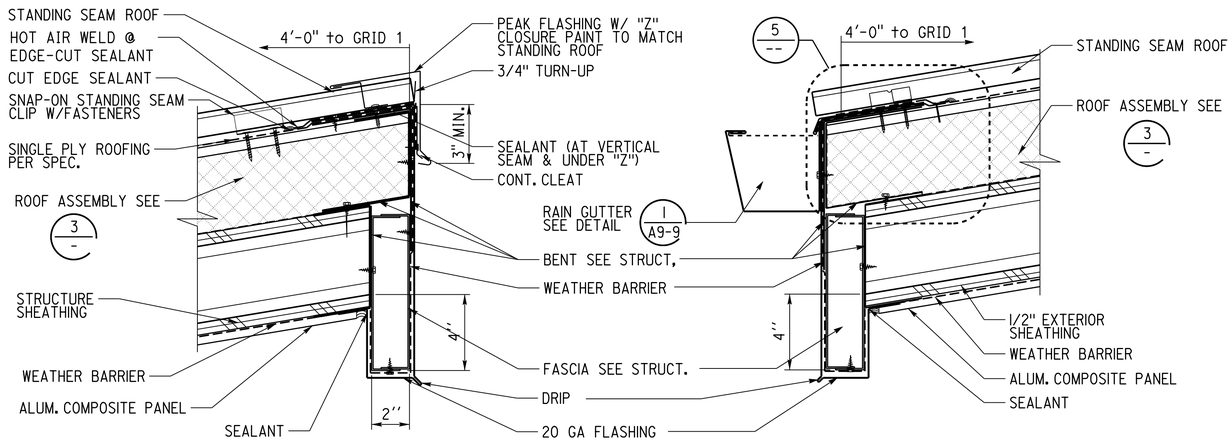
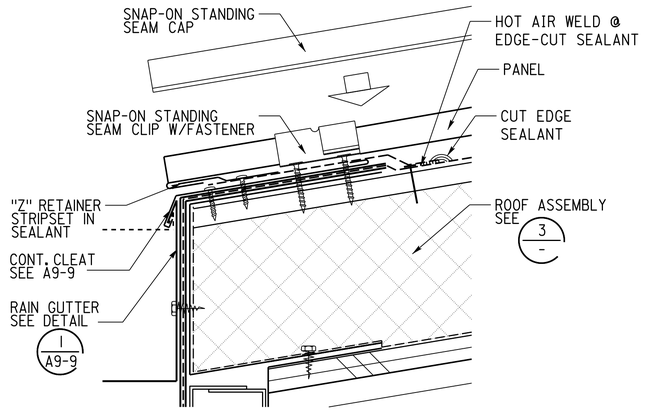


8 EAVE DETAIL - NORTH

SCALE 3" = 1'-0"



6 EAVE DETAIL - SOUTH

SCALE 3" = 1'-0"

5 EAVE DETAIL - SOUTH

SCALE 6" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		124	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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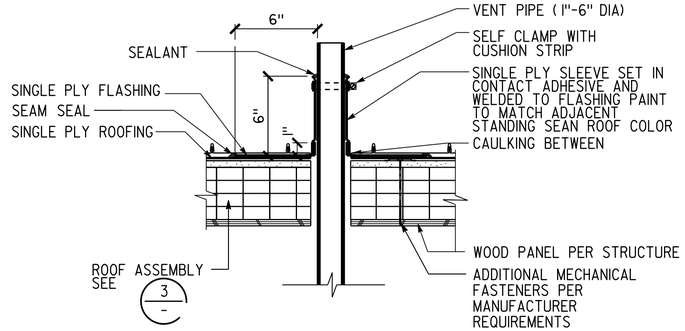
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

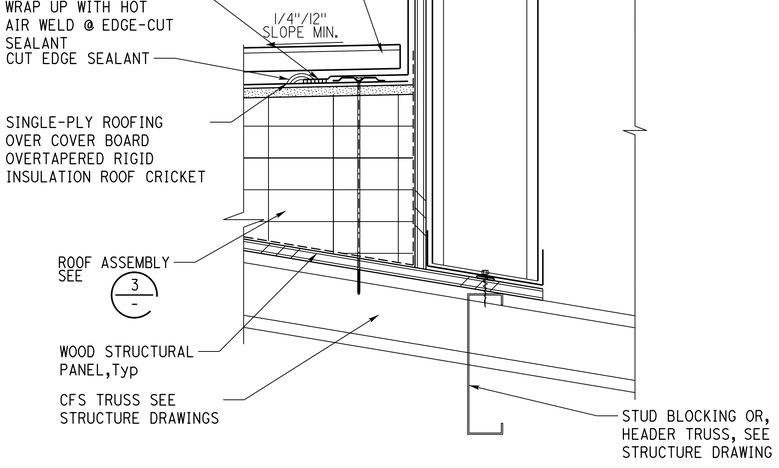
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



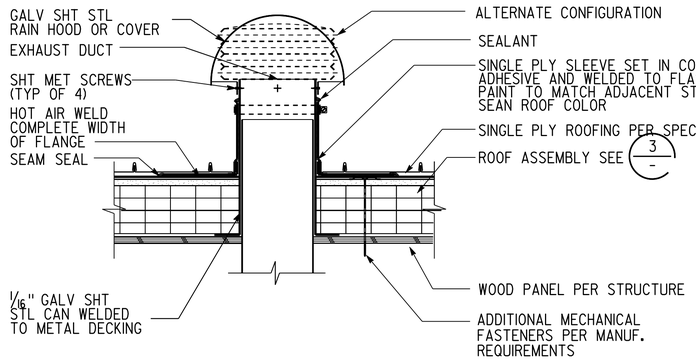
2 PLUMBING VENT THRU ROOF

NO SCALE



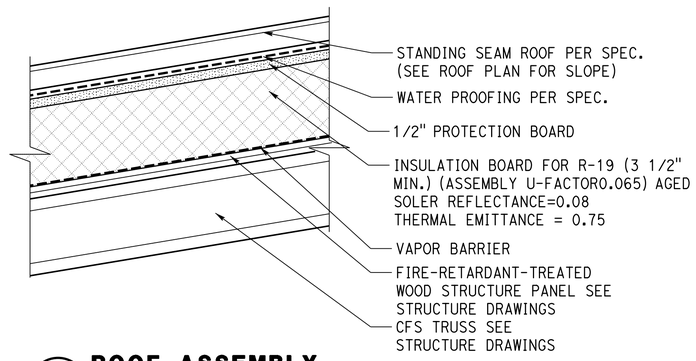
7 EQUIPMENT PLATFORM

SCALE 3" = 1'-0"



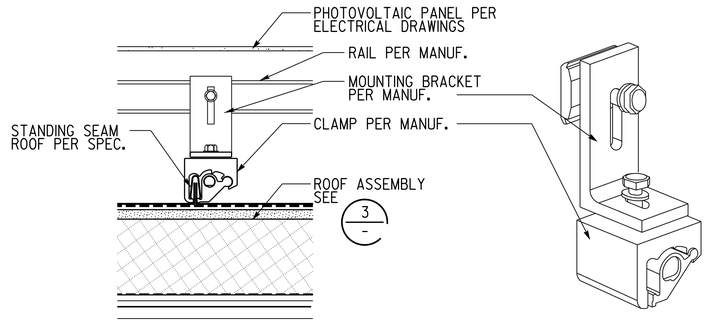
4 INTAKE OR EXHAUST VENT THRU ROOF

NO SCALE



3 ROOF ASSEMBLY

SCALE 3" = 1'-0"



1 PHOTOVOLTAIC PANEL MOUNTING SYSTEM

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET A9-7
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	DETAILS: ROOF DETAILS	
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION V2 SHEET 73 OF 80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

C:\Users\s155715\OneDrive - California Department of Transportation_Job Folders\BOE\06-0X430 w Samira\7.7.2025\Arch\DGN\a9_7_details_roof detail.dgn

7-JUL-2025 16:55

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		125	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

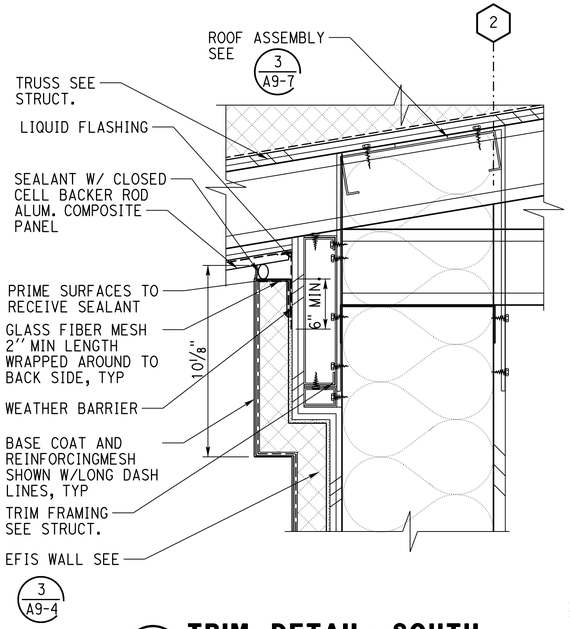
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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

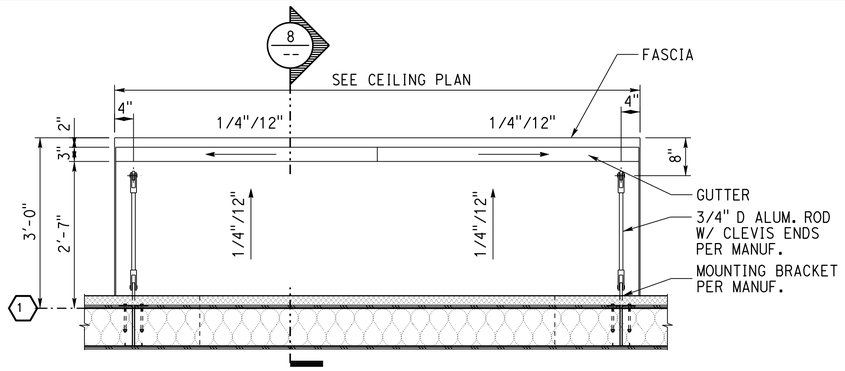
PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



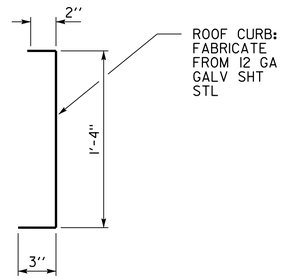
10 TRIM DETAIL- SOUTH

SCALE 3" = 1'-0"



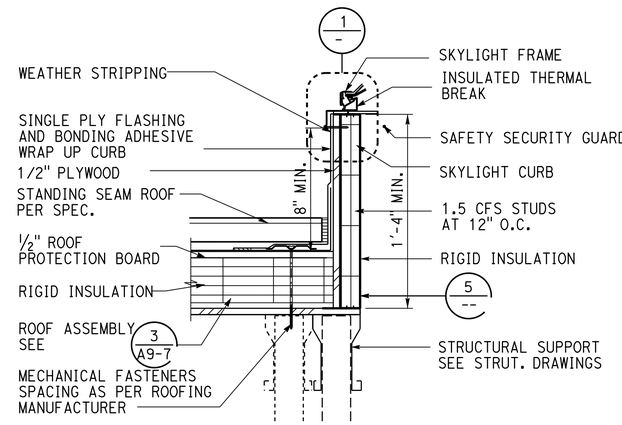
11 METAL CANOPY -ROOF PLAN

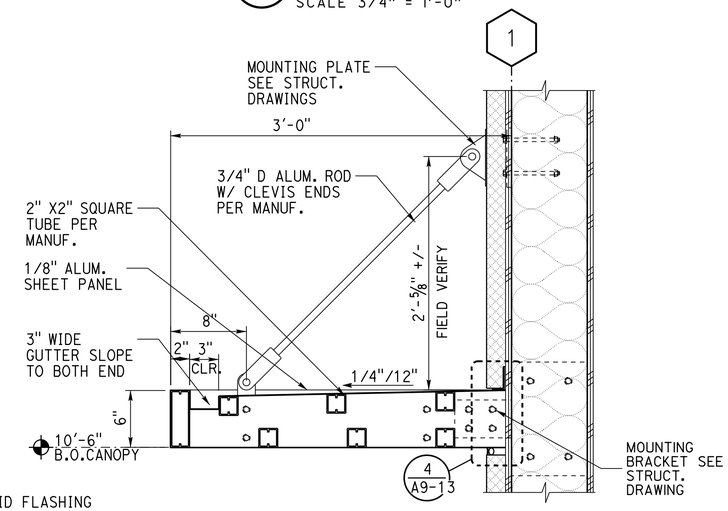
SCALE 3/4" = 1'-0"



5 CURB AND FLASHING SHAPES

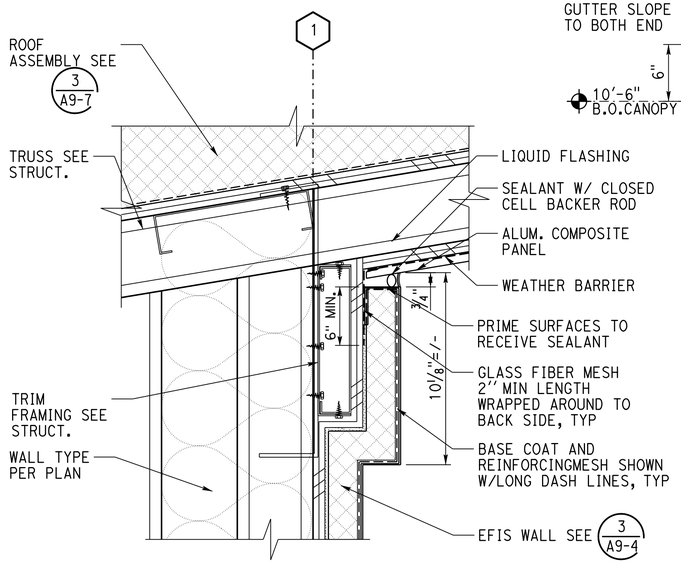
SCALE 2" = 1'-0"





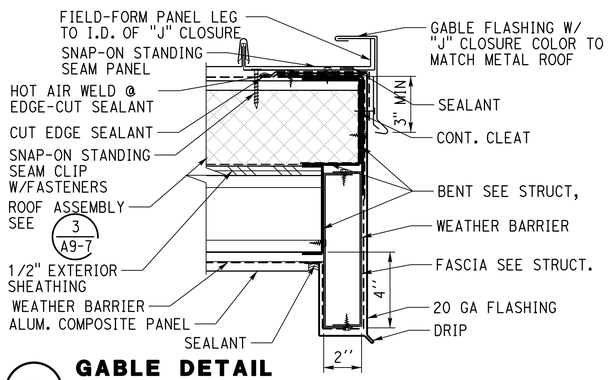
8 METAL CANOPY -SECTION

SCALE 3/4" = 1'-0"



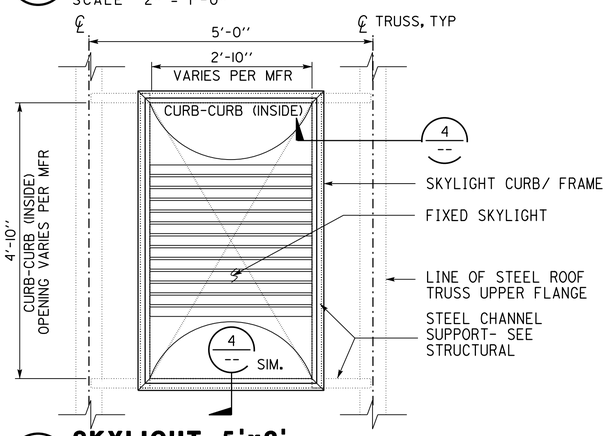
9 TRIM DETAIL - NORTH

SCALE 3" = 1'-0"



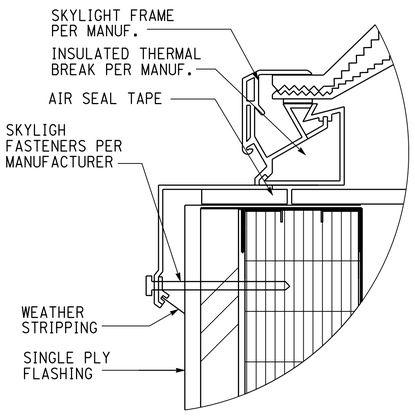
6 GABLE DETAIL

SCALE 3" = 1'-0"



3 SKYLIGHT 5'x3'

SCALE 3/4" = 1'-0"



1 SKYLIGHT FRAME

NO SCALE

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS — SKYLIGHT DETAILS

SHEET **A9-8**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	74	80

7-JUL-2025 16:55

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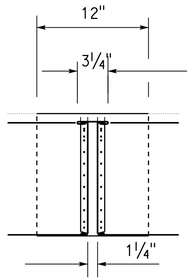
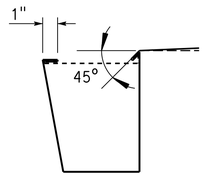


EXPANSION JOINT

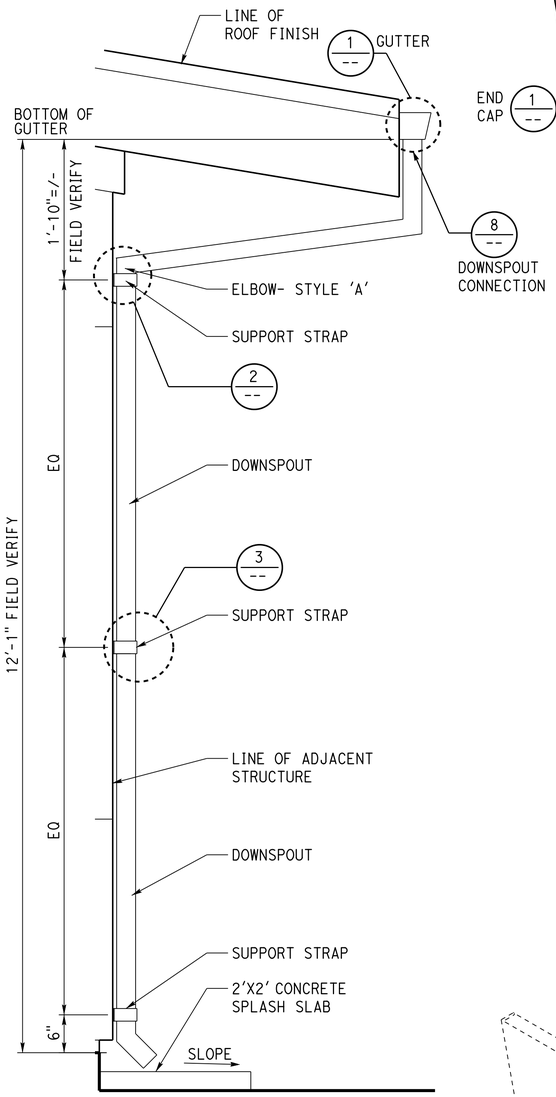
GUTTER H-STYLE (Sim)

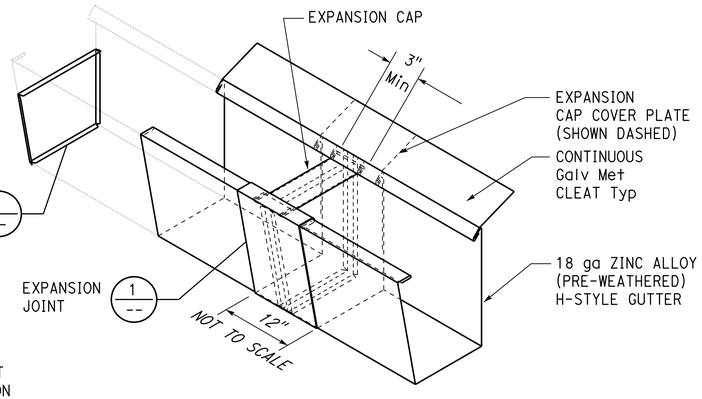


SECTION

CONSTRUCT GUTTERS IN COMPLIANCE WITH SMACNA ARCHITECTURAL SHEET METAL MANUAL 6TH EDITION

NOTE:
ALL GUTTER MATERIAL (INCLUDING SUPPORTS ARE FABRICATED OF ZINC ALLOY METAL (PRE-WEATHERED)





Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		126	289

LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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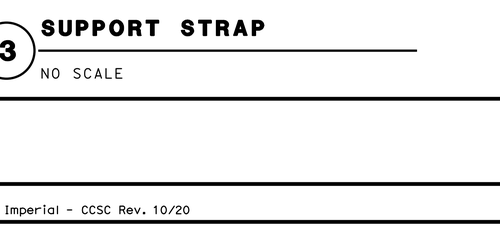
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

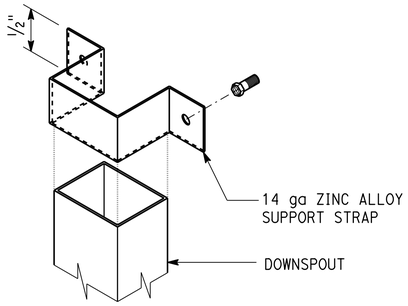
1 RAINGUTTER PROFILE DETAILS

NO SCALE



2 ELBOW STYLE - A

NO SCALE



3 SUPPORT STRAP

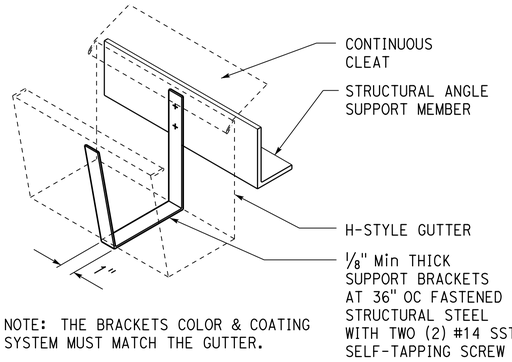
NO SCALE

4 DOWNSPOUT PROFILE

SCALE 5/8" = 1'-0"

5 EXPANSION JOINT

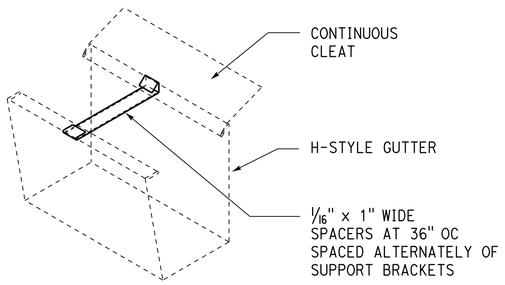
NO SCALE



NOTE: THE BRACKETS COLOR & COATING SYSTEM MUST MATCH THE GUTTER.

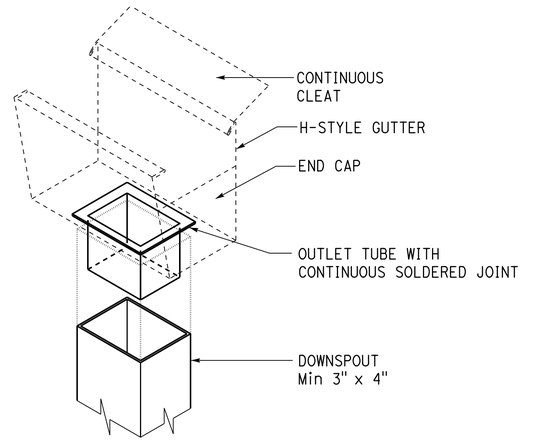
6 SUPPORT BRACKET

NO SCALE



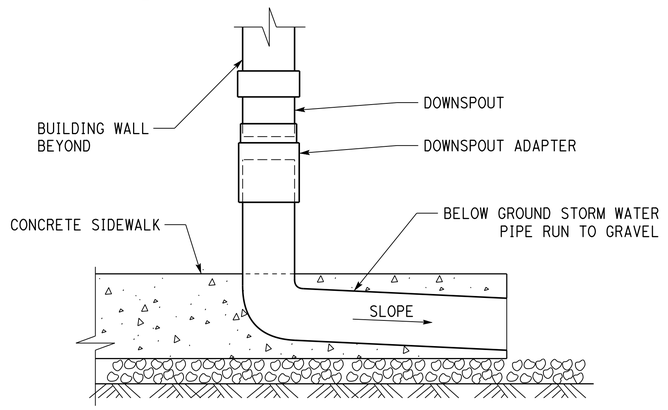
7 GUTTER SPACER

NO SCALE



8 DOWNSPOUT GUTTER CONNECTION

NO SCALE



9 DOWNSPOUT TO GRAVEL

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A9-9	
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE	DETAIL	DOWNSPOUT DETAILS		
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
							V2	75	80

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

7-JUL-2025 16:55

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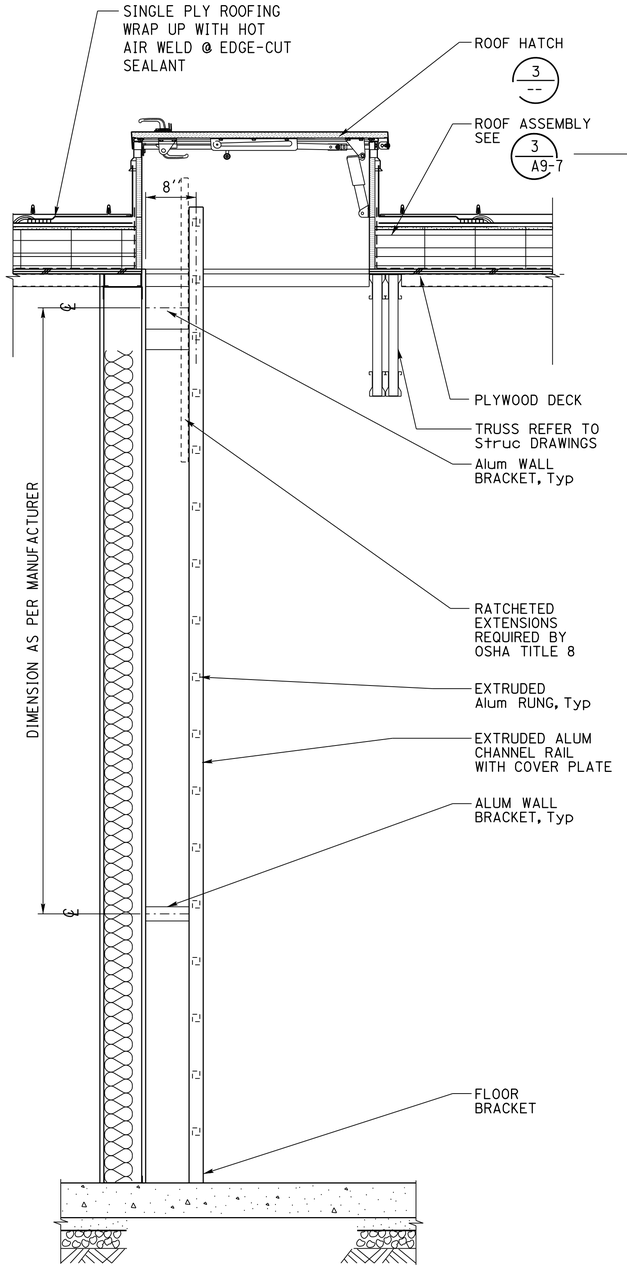
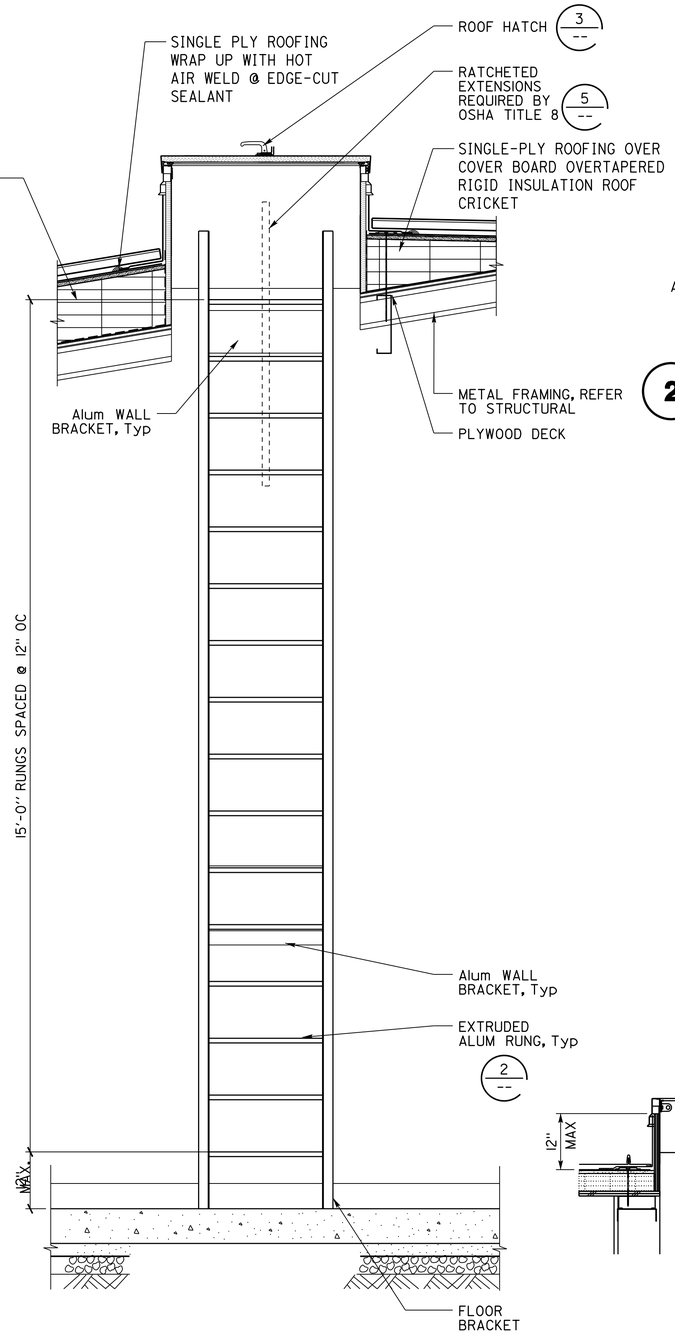
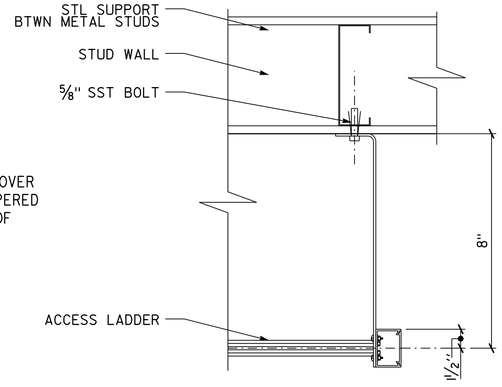




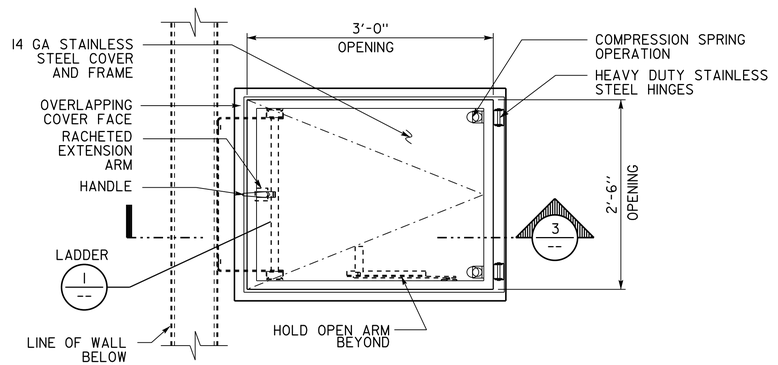
1 ACCESS LADDER TO THE ROOF

SCALE 3/4" = 1'-0"



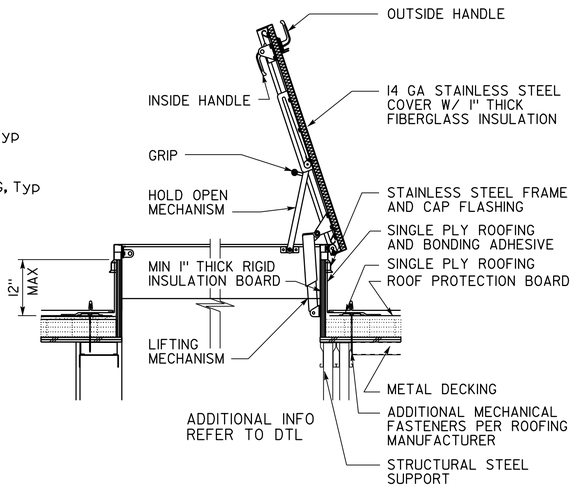
2 INTERIOR RUNG & WALL BRACKET

SCALE 2" = 1'-0"



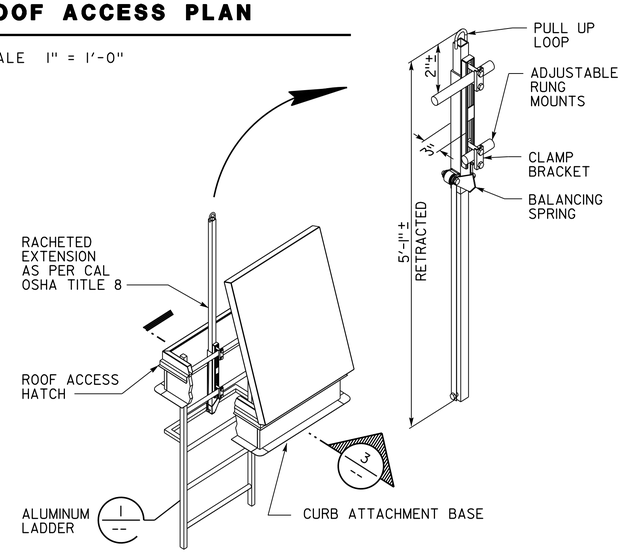
4 ROOF ACCESS PLAN

SCALE 1" = 1'-0"



3 SECTION- ROOF ACCESS

SCALE 3/4" = 1'-0"



5 ACCESS HATCH ISOMETRIC

NO SCALE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		127	289

Frank Thomas — LICENSED ARCHITECT — 07-22-24 DATE

May 27, 2025 — PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID 0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

	BY	CHECKED
DESIGN	Frank Thomas	Frank Thomas
DETAILS	Chuan Zhou	Frank Thomas
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAIL — ACCESS LADDER DETAILS

SHEET A9-10

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	76	80

7-JUL-2025 16:55

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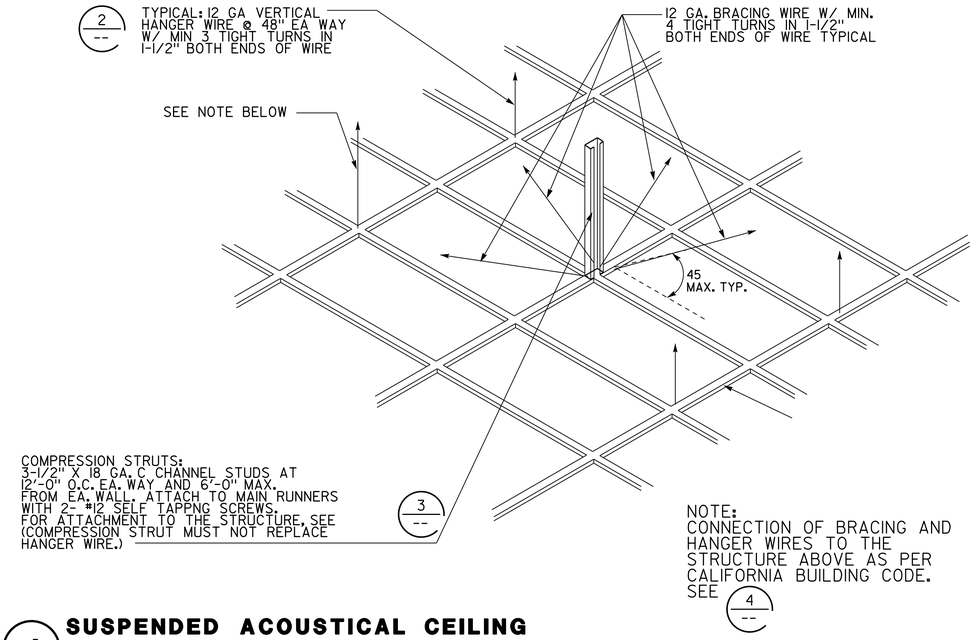
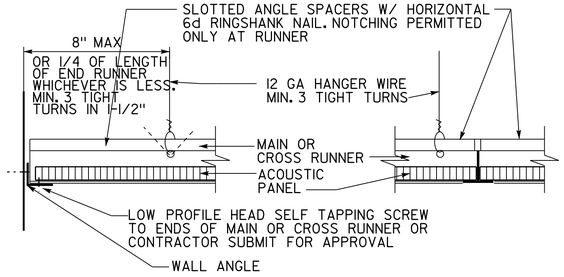


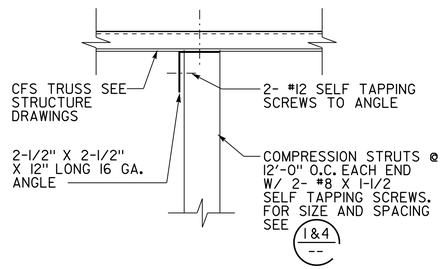
1 SUSPENDED ACOUSTICAL CEILING

NO SCALE



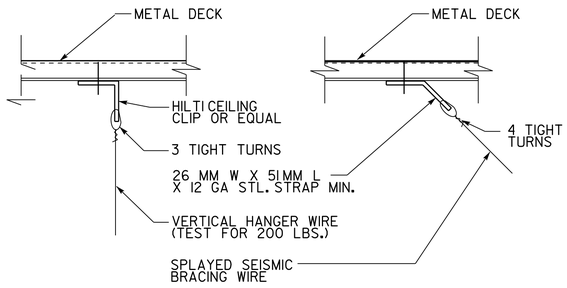
2 SUSPENDED PANEL CEILING

NO SCALE



3 COMPRESSION STRUT

NO SCALE



4 HANGER WIRE ANCHORAGE

NO SCALE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		128	289

LICENSED ARCHITECT — 07-22-24 DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725 / POST MILE
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — DETAIL: ACOUSTICAL CEILING DETAILS — SHEET A9-11

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 77 | 80

7-JUL-2025 16:55

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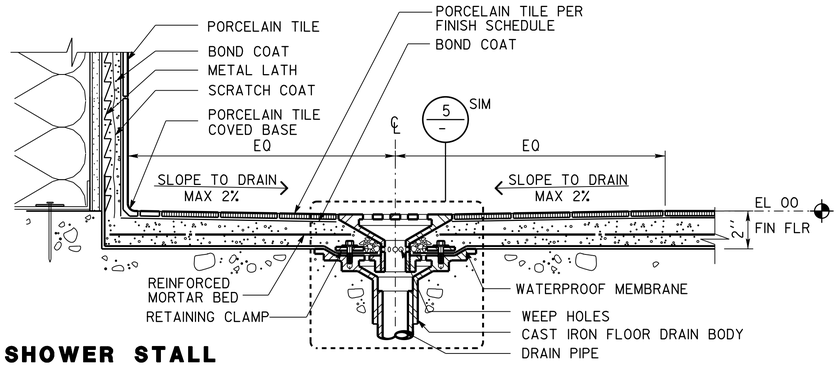
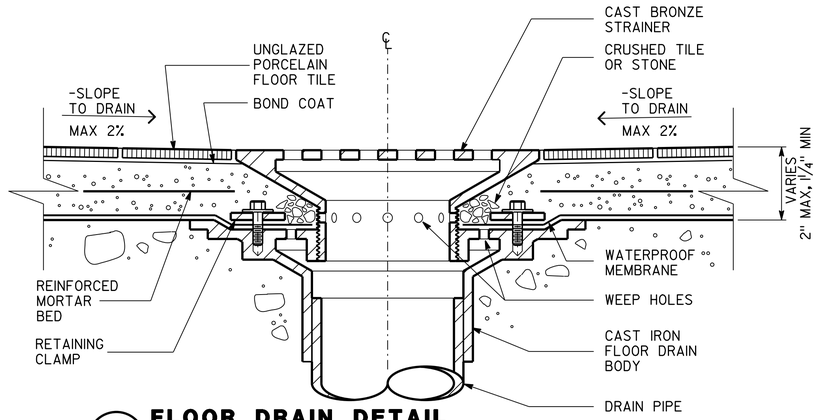


11 SHOWER STALL

SCALE 3" = 1'-0"



5 FLOOR DRAIN DETAIL

SCALE 6" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		129	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

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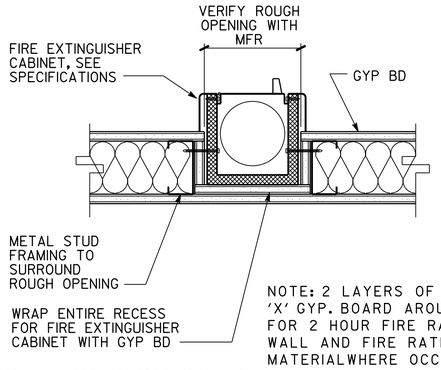
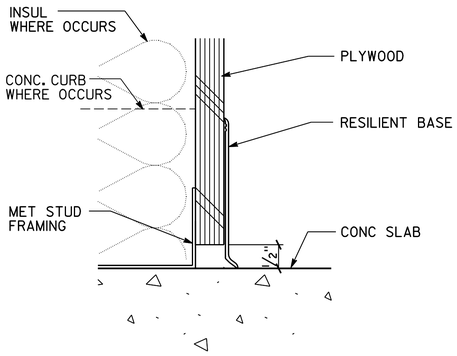
LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



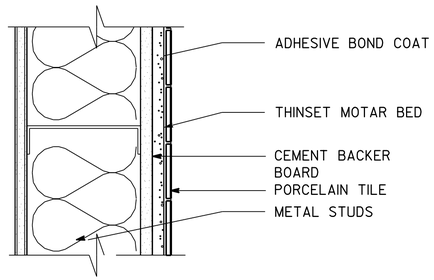
10 FIRE EXTINGUISHER CABINET AT STUD WALL

SCALE 3" = 1'-0"



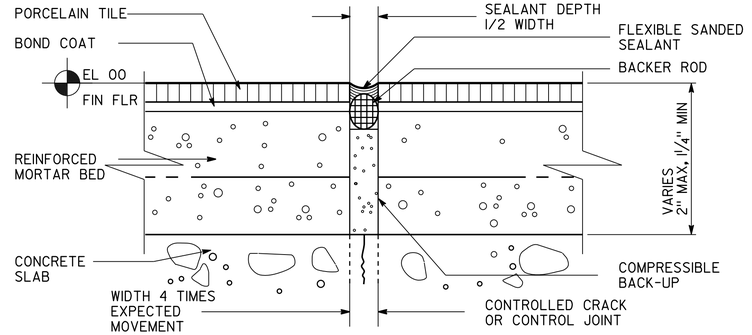
7 RESILIENT BASE

NO SCALE



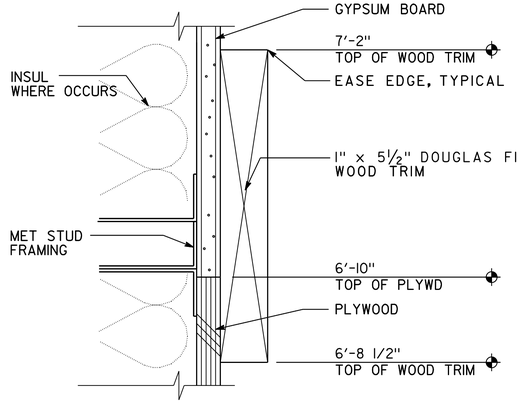
4 WALL TILE INSTALLATION

SCALE 3" = 1'-0"



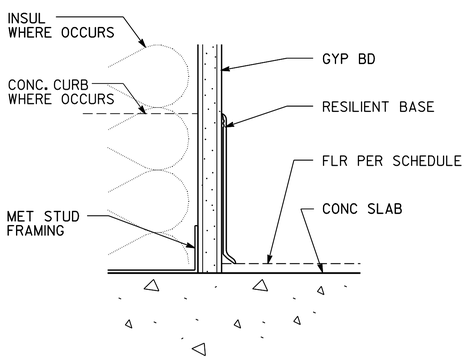
2 CONTROL JOINT

SCALE 1" = 1'-0"



9 TRIM DETAIL

NO SCALE



6 RESILIENT BASE

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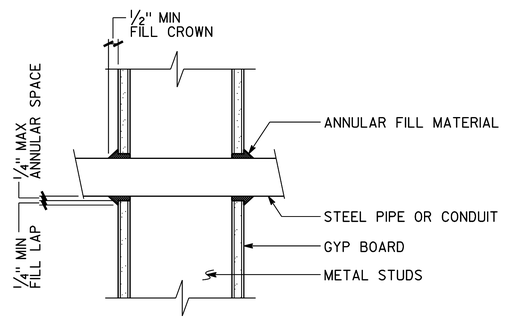
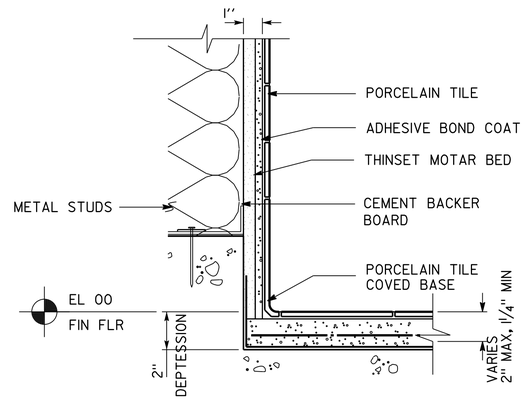


3 PIPE/CONDUIT THRU STUD WALL

NO SCALE



1 FULL MORTAR BED

SCALE 3" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — SHEET A9-12

DETAIL — INTERIOR DETAILS 1

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	78	80

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 16:35

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		130	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA

PROJECT ID
0618000065

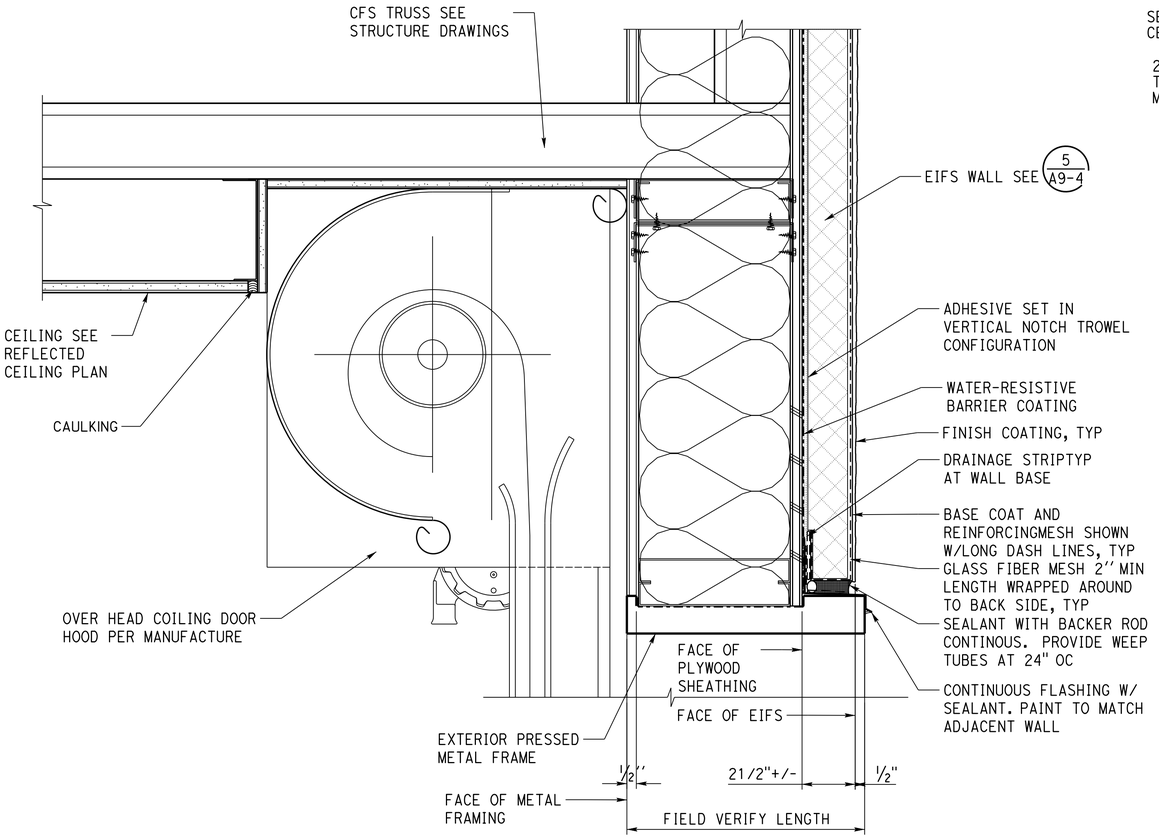
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25

Refer to detail 5/ a0-3.3 for sign location.
Refer to detail 7/ a0-3.3 for sign mounting height.
Refer to "signage notes" for additional info.

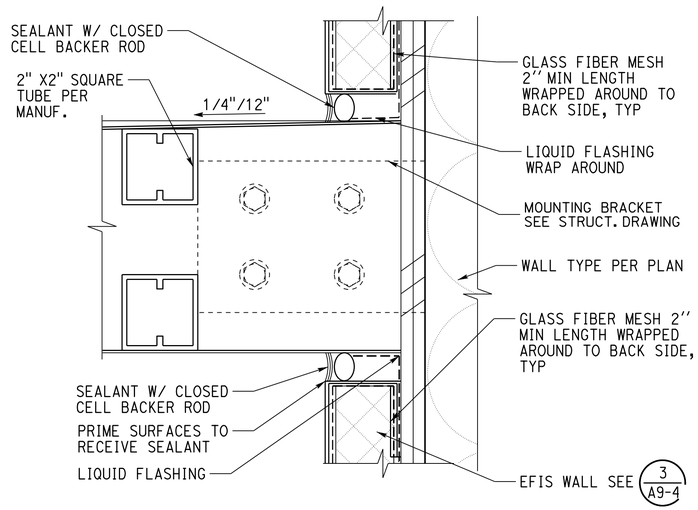
7 ACCESSIBLE EXIT SIGN
NO SCALE

Refer to detail 5/ a0-3.3 for sign location.
Refer to detail 7/ a0-3.3 for sign mounting height.
Refer to "signage notes" for additional info.

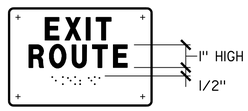
6 ACCESSIBLE EXIT ROUTE SIGN
NO SCALE



5 OVERHEAD COILING DOOR HEADER
SCALE 3" = 1'-0"



4 METAL CANOPY DETAIL
6"=1'-0"



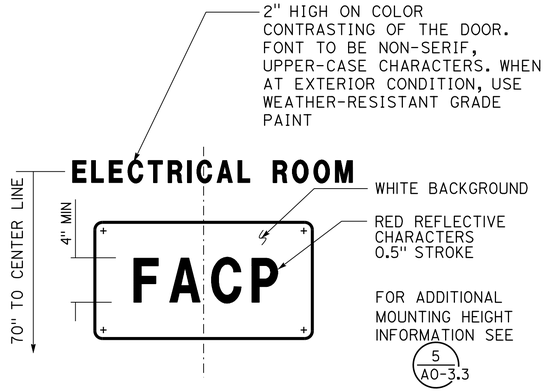
Refer to detail 5/ a0-3.3 for sign location.
Refer to detail 7/ a0-3.3 for sign mounting height.
Refer to "signage notes" for additional info.

3 EXIT ROUTE SIGN
NO SCALE

SIGN GRAPHICS MUST CONFORM TO CBC SECTION 1013.6.1

PROVIDE SELF-LUMINOUS EXIT SIGNS AT EXIT DOOR LOCATIONS. EXIT SIGN ILLUMINATION MUST CONFORM TO CBS SECTION 1013.3
MOUNT SIGN ABOVE EXIT DOOR

2 SELF-LUMINOUS EXIT SIGN
NO SCALE



1 METAL FIRE SIGN
NO SCALE

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — SHEET A9-13
DETAIL — DETAILS

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3584 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 79 | 80

7-JUL-2025 16:55

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		131	289

LICENSED ARCHITECT — DATE 07-22-24

May 27, 2025
PLANS APPROVAL DATE

LICENSED ARCHITECT — FRANK THOMAS — No. C31406 — 04-30-27 RENEWAL DATE — STATE OF CALIFORNIA

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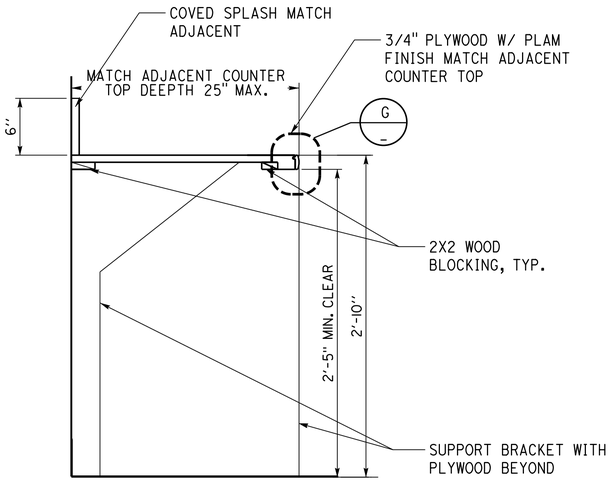
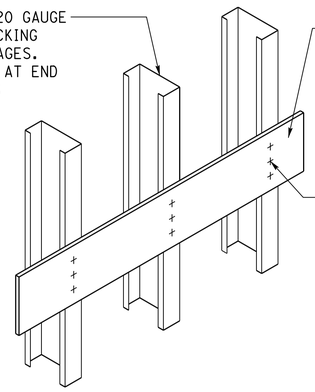
ACCESSIBILITY DESIGN APPROVAL
DOT / DES / OTA
PROJECT ID
0618000065
Reviewed by: Robertino V Quibin
ROBERTINO V. QUIBIN
Date: 03-04-25



NOTE
See Det 5/A0-3.4 for knee clearance reduction rate

K BUILT-IN DESK SECTION
SCALE 1½" =1'-0"



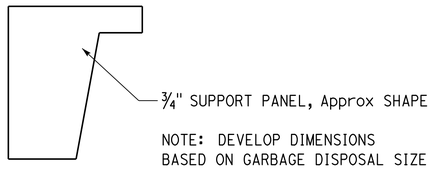
NOTES:
1. TYP. BACKING PLATE ASSEMBLY FOR HANDRAILS, GRAB BARS, TOILET ACCESSORIES AND WALL HUNG CABINETRY.
2. COORDINATE BACKING PLATE LOCATION W/ MNF. MOUNTING INSTRUCTIONS.

THIS ASSEMBLY FOR LOADS UP TO 100 LB. PER SF OR 250 LB. PER LN. FT.SEE STRUCTURAL ENGINEER FOR SEE STRUCTURAL ENGINEER FOR (FOR REFERENCE USE ONLY)

J BACKING PLATEON
N.T.S.

NOTE
All drawers full extension slide 100 lb capacity

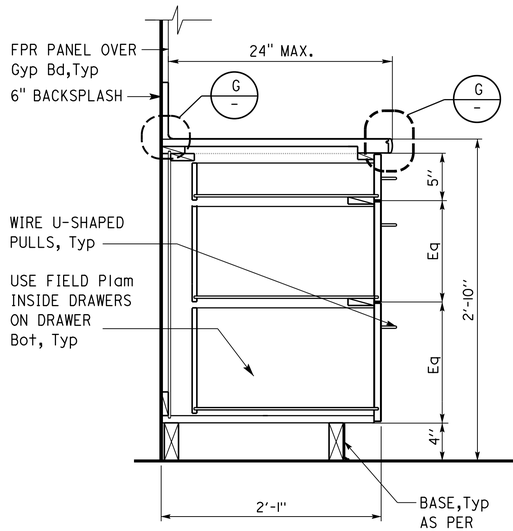
CASEWORK FINISHES
* See miscellaneous on interior finish schedule
* All plam to be 'field' color, uon
* Includes plam 'accent' color where shown
* Includes special casework edge where shown
* Wood cabinet construction



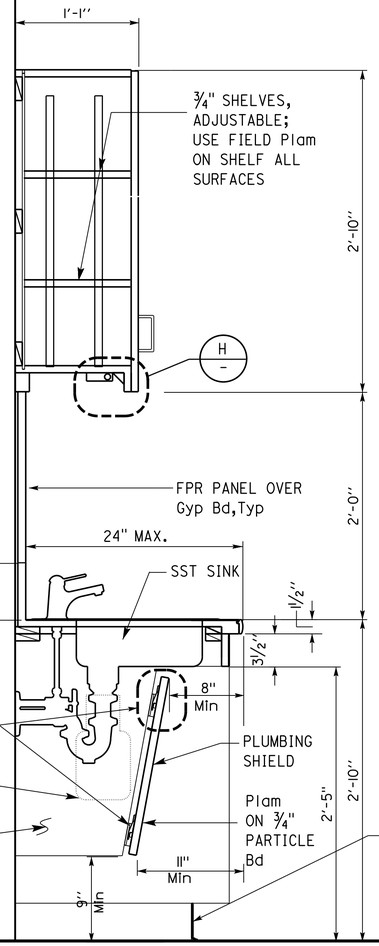
NOTE: DEVELOP DIMENSIONS BASED ON GARBAGE DISPOSAL SIZE AND PLACEMENT, PER Det E

NOTE
In shop submittals, show plumbing shield due to size of garbage disposal. Plumbing shield must meet dimensions @ detail E.

C SUPPORT PANEL
NO SCALE

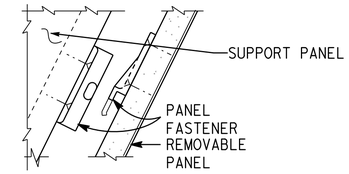


D SECTION
SCALE 1½" =1'-0"

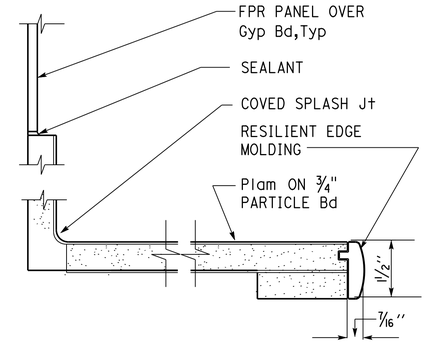


NOTE
See Det 5/A0-3.4 for knee clearance reduction rate

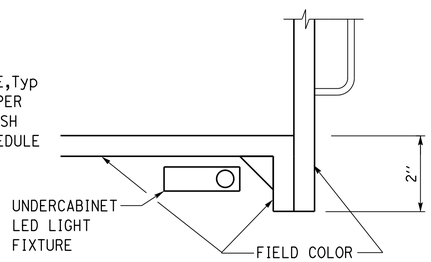
E SECTION
SCALE 1½" =1'-0"



F PANEL FASTENER
NOT TO SCALE



G COUNTERTOP DETAIL
SCALE 6"= 1'-0"



H DETAIL
SCALE: 6" = 1'-0"

DESIGN	BY Frank Thomas	CHECKED Frank Thomas	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET A9-14
DETAILS	BY Chuan Zhou	CHECKED Frank Thomas			POST MILE		CASEWORK	
QUANTITIES	BY	CHECKED		UNIT: 3584 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651	DISREGARD PRINTS BEARING EARLIER REVISION DATES →	REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION V2	SHEET 80 OF 80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 10/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		132	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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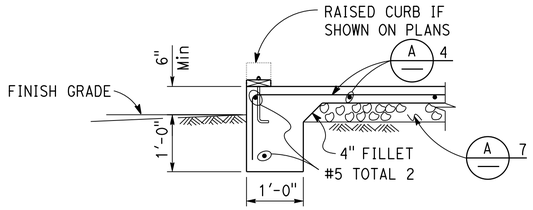
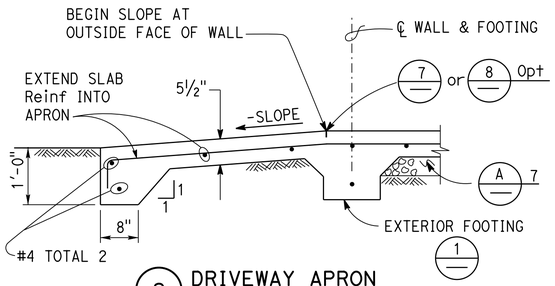
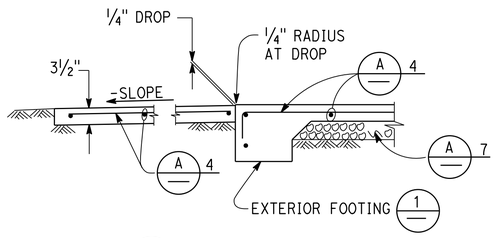


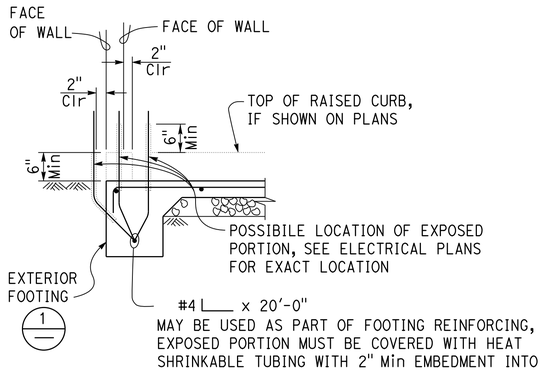
1 EXTERIOR FOOTING
NO SCALE



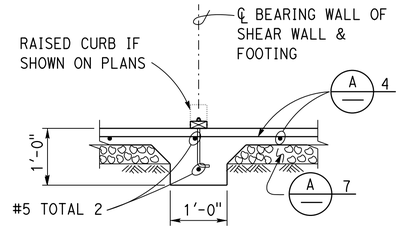
2 DRIVEWAY APRON
NO SCALE



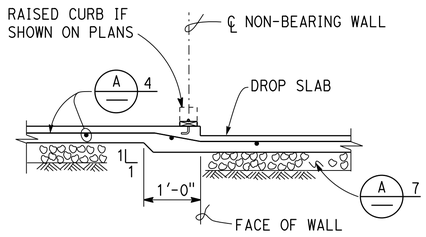
3 WALKWAY APRON
NO SCALE



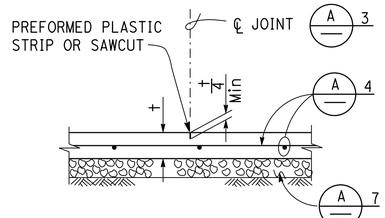
4 GROUND BAR DETAIL
NO SCALE



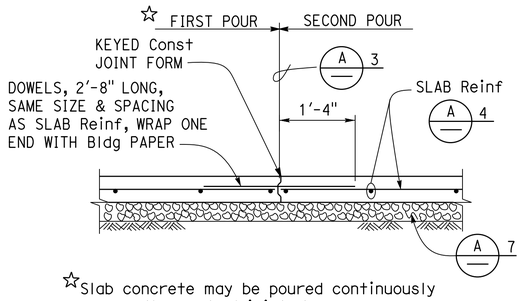
5 INTERIOR FOOTING
NO SCALE



6 DROP SLAB AT NON-BEARING WALL
NO SCALE

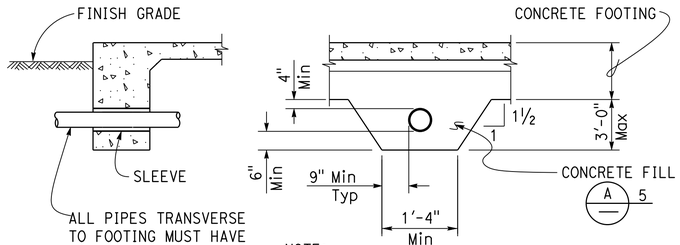


7 CONTROL JOINT
NO SCALE



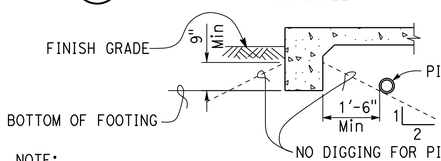
☆Slab concrete may be poured continuously across the control joint, to cover as large an area as practical.

8 CONTRACTION JOINT
NO SCALE



NOTE:
No pipes permitted beneath interior or exterior isolated footing.

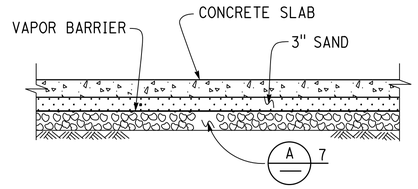
9 PIPE DETAILS THROUGH FOOTING
NO SCALE



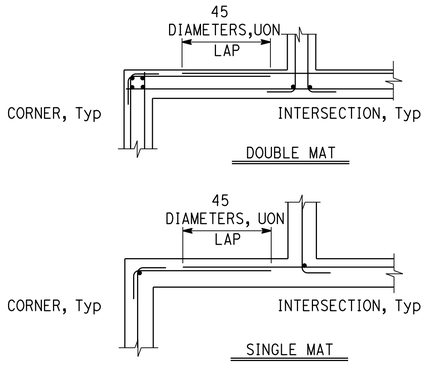
NOTE:
For pipe cover, see Specifications: Earthwork for building work.

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

10 PIPE DETAILS PARALLEL TO FOOTING
NO SCALE



11 MOISTURE BARRIER
NO SCALE



12 CORNER/INTERSECTION Reinf SPLICE
NO SCALE

A CONCRETE NOTES

1. 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	1½"
c. Concrete not exposed to weather or in contact with ground:	
Slabs, Walls and Joists:	
#14 and #18 Bar	1½"
#11 Bar and smaller	¾"
Beams and Columns:	
Primary Reinforcement, Ties, Stirrups and Spirals	1½"

2. a. Splices in continuous reinforcement as in walls, wall footings, etc. #8 or smaller must have a lap of 45 diameters and the splices in adjacent bars must not be less than 5'-0" apart.
   b. Lap splice for #8 or smaller epoxy coated reinforcement must be 63 diameter.
   c. Continuous bars in spandrels, wall beams, etc. must lap top bars at center of span and bottom bars at supports.

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

4.

Slab Thickness (t)	Reinforcement
3½"	#3 @ 18 Each way, place in center of Slab
5½"	#4 @ 18 Each way, place in center of Slab

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

6. See mechanical and architectural plans for size and locations of pipe, vents, ducts and other similar openings. See electrical plans for conduits and outlet boxes in floors, walls, etc.

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

8. Wood in contact with concrete must be preservative treated Douglas Fir Larch in accordance with AWPA U1, Category UC3B.

9. Mechanical fasteners including but not limited to anchor bolts, anchor rods, expansion anchors and powder driven anchors in contact with preservative treated wood must be stainless steel or hot dip galvanized in accordance with ASTM A153.

APPROVED FOR STRUCTURAL WORK ONLY

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

STANDARD DRAWING

FILE NO. XS-25-1 | DESIGN BY Winnie Molina | CHECKED Jean Sanmel
DRAWING DATE 8-19 | DETAILS BY Jamie Tsujii | CHECKED Winnie Molina
SUBMITTED BY Jean Sanmel, DESIGN ENGINEER | APPROVED Jean Sanmel DESIGN SUPERVISOR

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE NO.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING | CONCRETE STANDARD

SHEET ST-2

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 08-26-19 04-10-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	1	57

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PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2022 California Building Code (2021 IBC).

LOADS

SEISMIC: Risk Category = II

Importance Factor I = 1.0

Site Soil Class = C

S_S = 0.613 S_{DS} = 0.513

S_1 = 0.235 S_{D1} = 0.235

Seismic Design Category = D

Seismic Force-Resisting System:

North - South

R = 6.50 C_S = 0.0754

East - West

R = 6.50 C_S = 0.0754

WIND: Basic Wind Speed = 95 mph I = 1.0

Exposure = B

K_{zt} = 1.0

LIVE LOAD: Roof = 20 psf

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design) :

f'c = 3,600 psi

f_y = 60,000 psi

STRUCTURAL STEEL: (Allowable Strength Design) :

Channels, Angles & Misc. Shapes	F_y = 36 ksi
Plates	F_y = 36 ksi
Hollow Structural Section (HSS)	F_y = 46 ksi

COLD FORMED STEEL: F_y = 50 ksi

(See Arch for partition wall CFS property)

FOUNDATION:

Soils report dated : April 14, 2023

Allowable Soil Pressure (DL + LL) : = 2,000 psf

For Soil Classification, see "Log of Test Boring" Sheets.

APPROVED FOR STRUCTURAL WORK ONLY

DETAIL NOTES

1. For Cold-Formed Steel see:
   "Cold-Formed Steel - Notes" on ST1-15
   "Cold-Formed Steel - Details" on ST1-16 to ST1-20
2. For Concrete see:
   "Concrete Standard"
3. All bolts must be hex head machine bolts, with hex head nuts; unless otherwise noted.
4. All lock washers must be helical spring lock washers.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		133	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING | DESIGN CRITERIA & DETAIL NOTES

SHEET ST1-0

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 04-11-23 04-26-23

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF

V2 | 2 | 57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		134	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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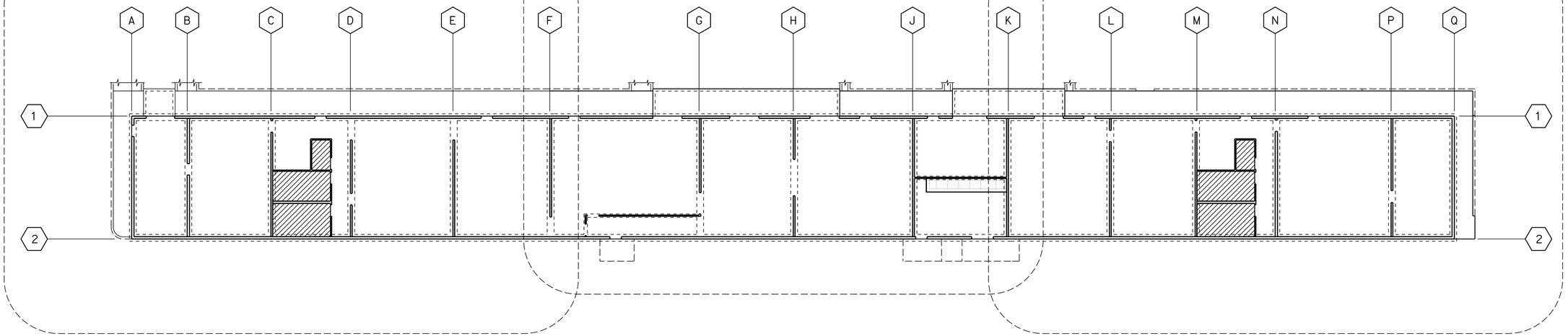
FOUNDATION PLAN 1/STI-2
SHEAR WALL PLAN 1/STI-5
ROOF FRAMING PLAN 1/STI-8

FOUNDATION PLAN 1/STI-3
SHEAR WALL PLAN 1/STI-6
ROOF FRAMING PLAN 1/STI-9

FOUNDATION PLAN 1/STI-4
SHEAR WALL PLAN 1/STI-7
ROOF FRAMING PLAN 1/STI-10



1 KEY PLAN
NO SCALE

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FOUNDATION KEY PLAN

SHEET ST1-1

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
09-22-22 10-04-22 10-17-22 10-27-22 03-10-23 03-13-23	V2	3	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		135	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

Gang Hong No. 60406 Exp. 6-30-26 CIVIL — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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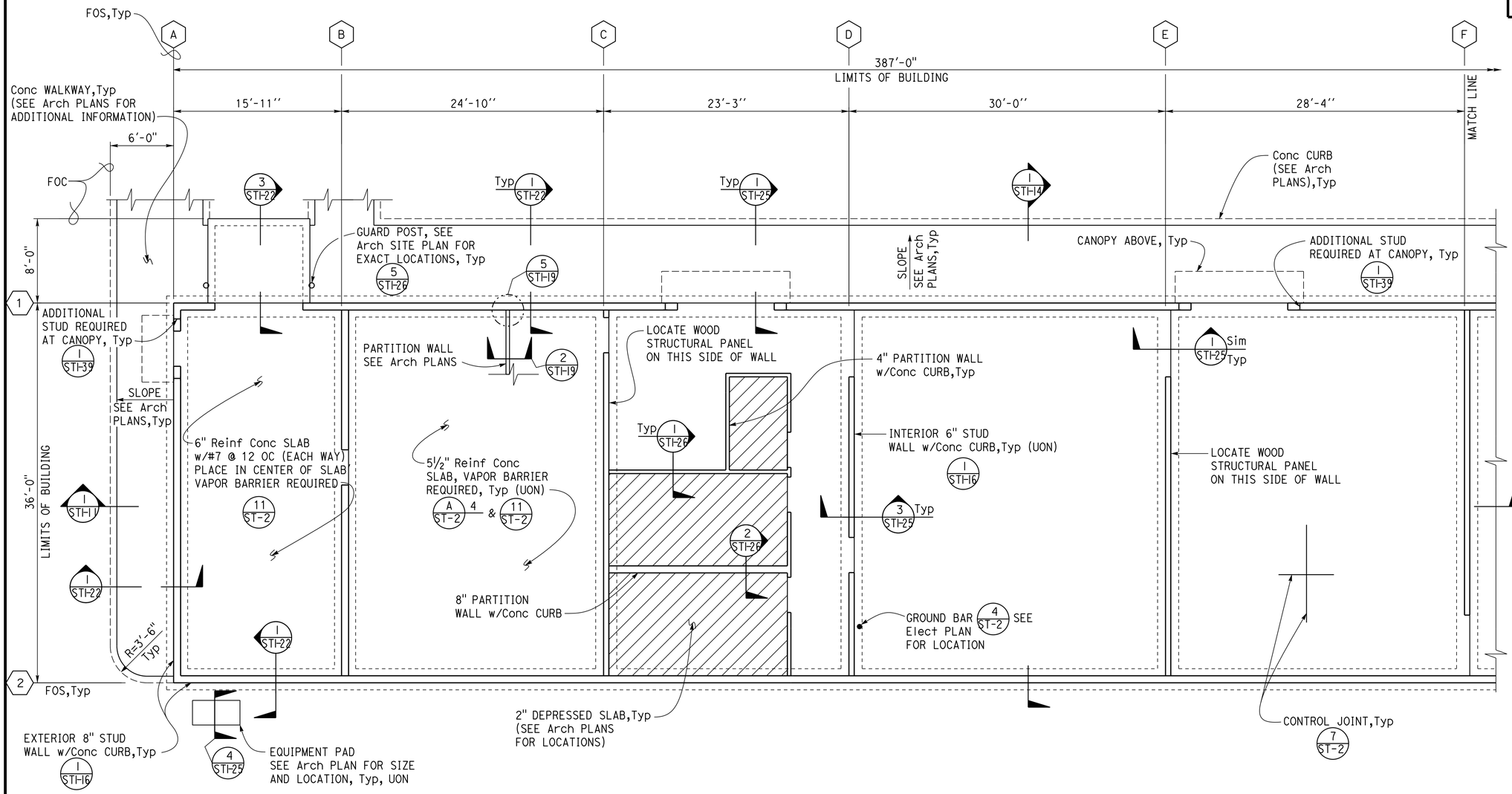

A NOTES:

Overexcavation & structural backfill are required around footings per 2 STI-25

1 PARTIAL FOUNDATION PLAN

3/16" = 1'-0"

Elevation 294.35' = Datum 0'-0''

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — PARTIAL FOUNDATION PLAN #1

SHEET **ST1-2**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 03-13-23 04-11-23 04-26-23 06-28-23 05-15-24 | 11-30-22 01-24-23 03-09-23

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 4 | 57

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		136	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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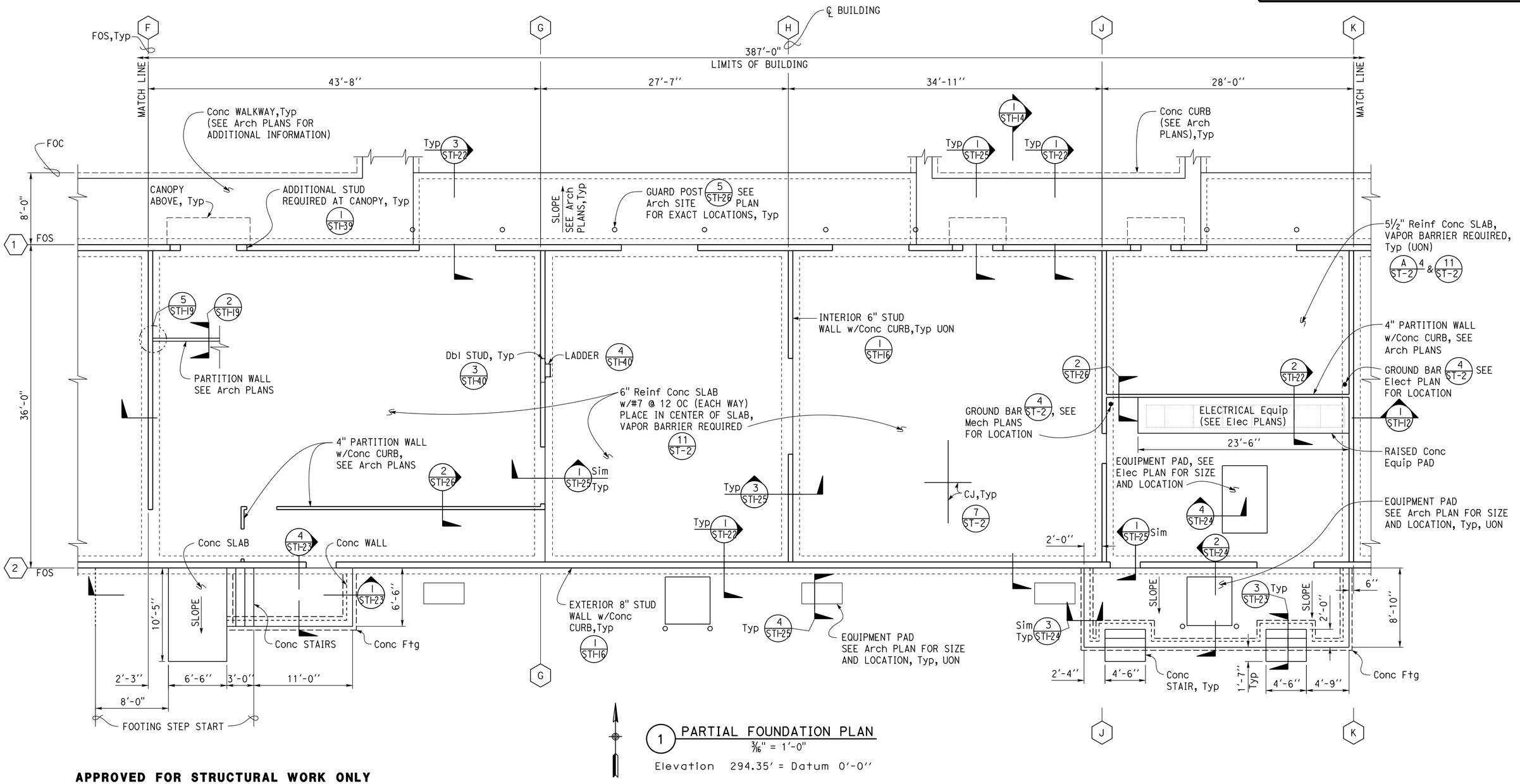
A NOTES:

Overexcavation & structural backfill are required around footings per (2 / STI-25)



1 PARTIAL FOUNDATION PLAN

3/16" = 1'-0"

Elevation 294.35' = Datum 0'-0''

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — PARTIAL FOUNDATION PLAN #2

SHEET **ST1-3**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-09-25 02-05-25 04-11-23 04-26-23 06-28-23 08-17-23 08-16-23 05-10-24	V2	5	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		137	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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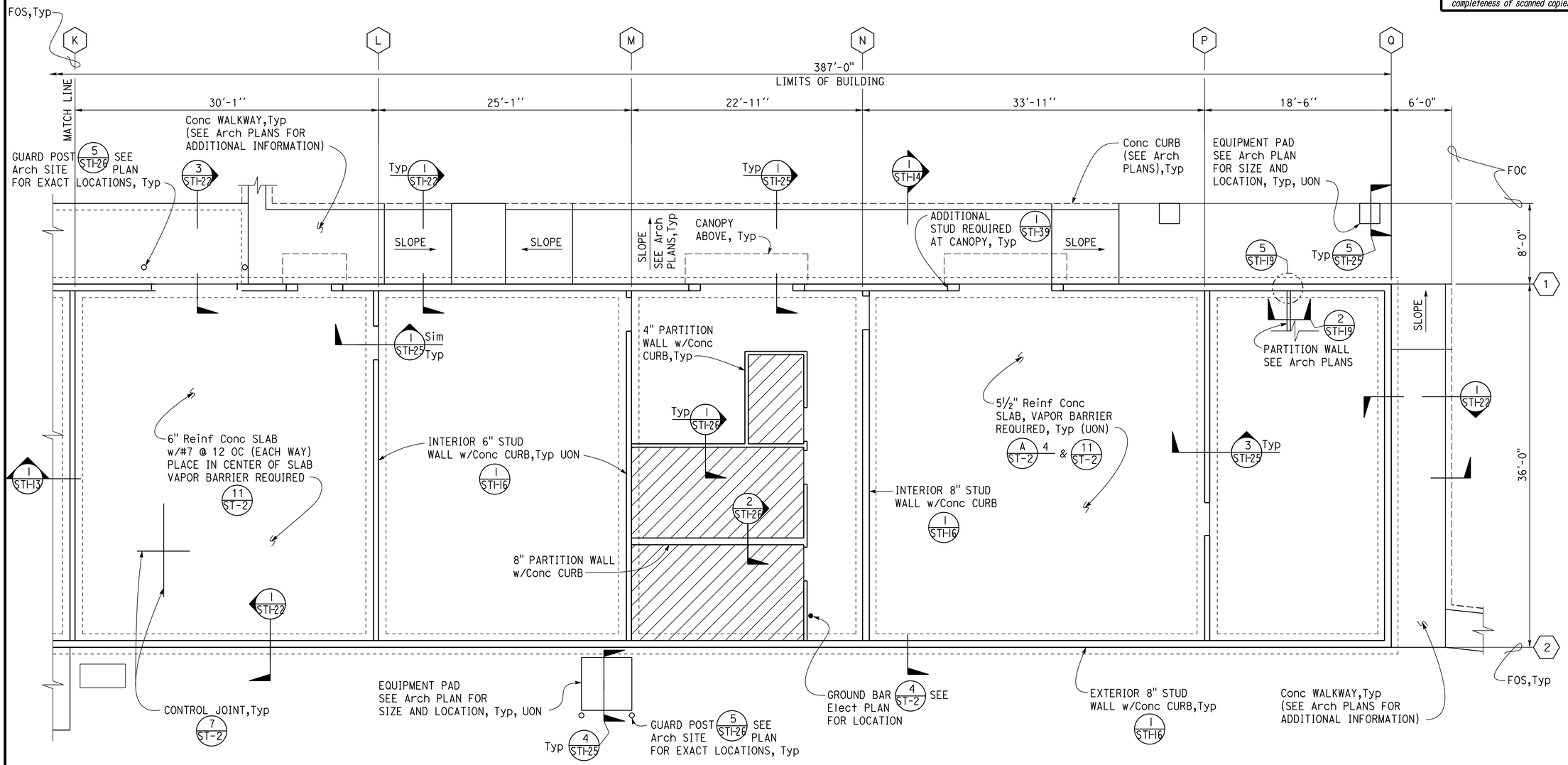
A NOTES:

Overexcavation & structural backfill are required around footings per (2) STI-25



(1) PARTIAL FOUNDATION PLAN

3/16" = 1'-0"

Elevation 294.35' = Datum 0'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — PARTIAL FOUNDATION PLAN #3

SHEET **ST1-4**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 03-13-23 04-11-23 04-26-23 06-28-23 05-15-24 01-24-23 02-01-23 03-09-23

VERSION	SHEET	OF
V2	6	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		138	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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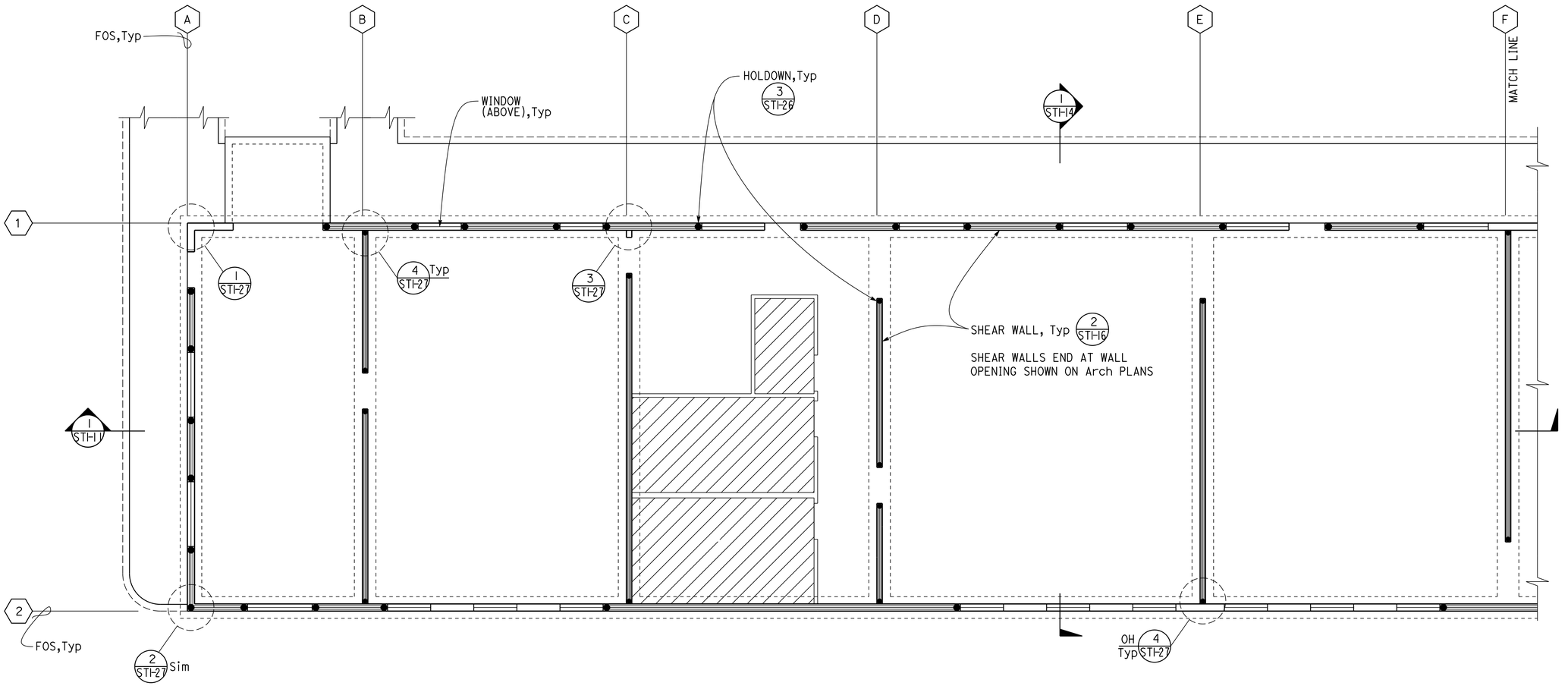

NOTE:
Equipment pads not shown, see 1 STI-2.

1 PARTIAL SHEAR WALL PLAN
3/16" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — PARTIAL SHEAR WALL PLAN #1

SHEET ST1-5

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
04-11-23	08-07-23	10-05-22	10-13-22	10-27-22	01-24-23	03-09-23	03-13-23	V2	7	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		139	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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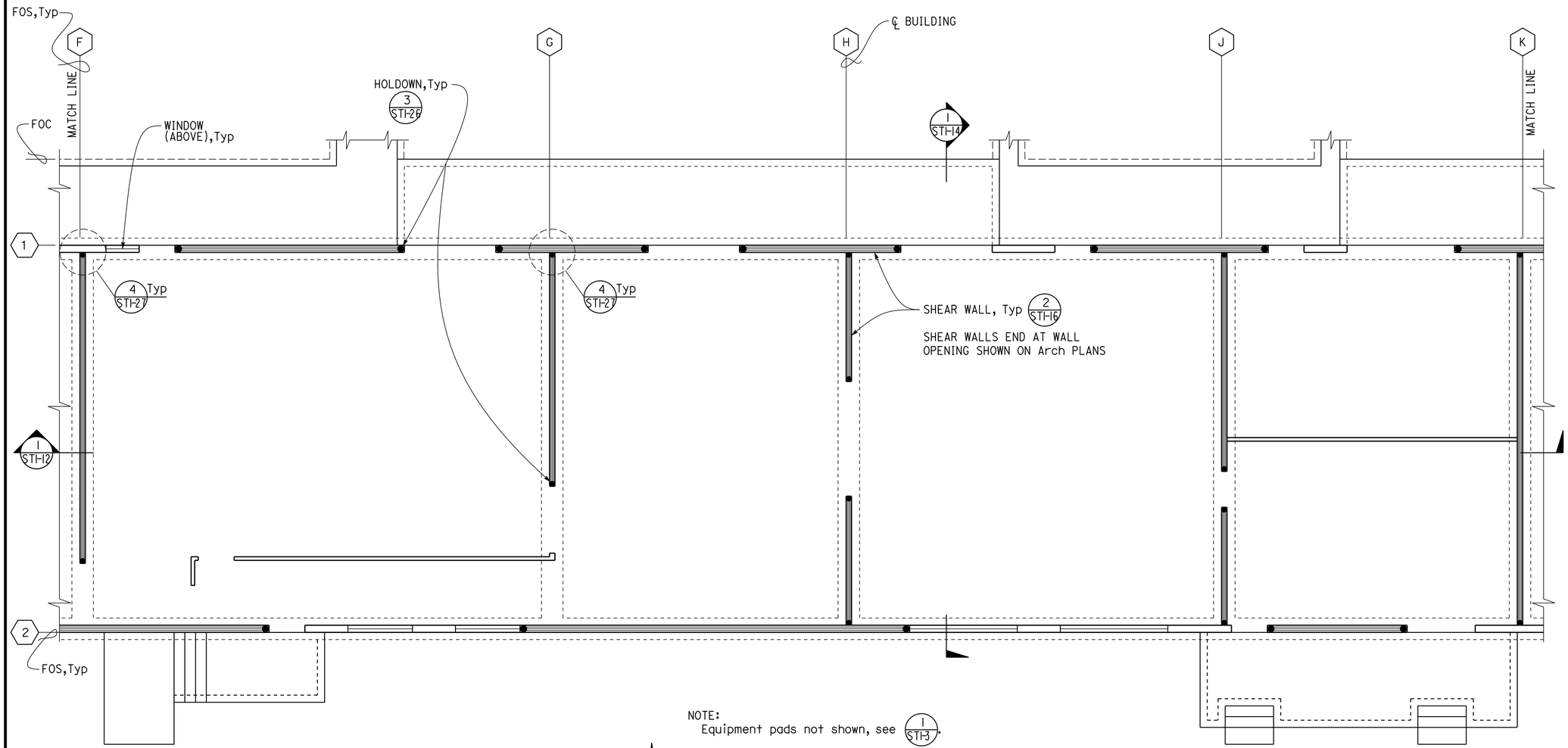

NOTE:
Equipment pads not shown, see I STI-3.

1 PARTIAL SHEAR WALL PLAN
3/16" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET ST1-6			
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3	BUILDING	PARTIAL SHEAR WALL PLAN #2				
QUANTITIES	BY	CHECKED									

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)					VERSION	SHEET	OF
03-09-23	03-13-23	04-11-23	08-07-23	10-23-23	V2	8	57
11-30-23	01-24-23	03-02-23					

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		140	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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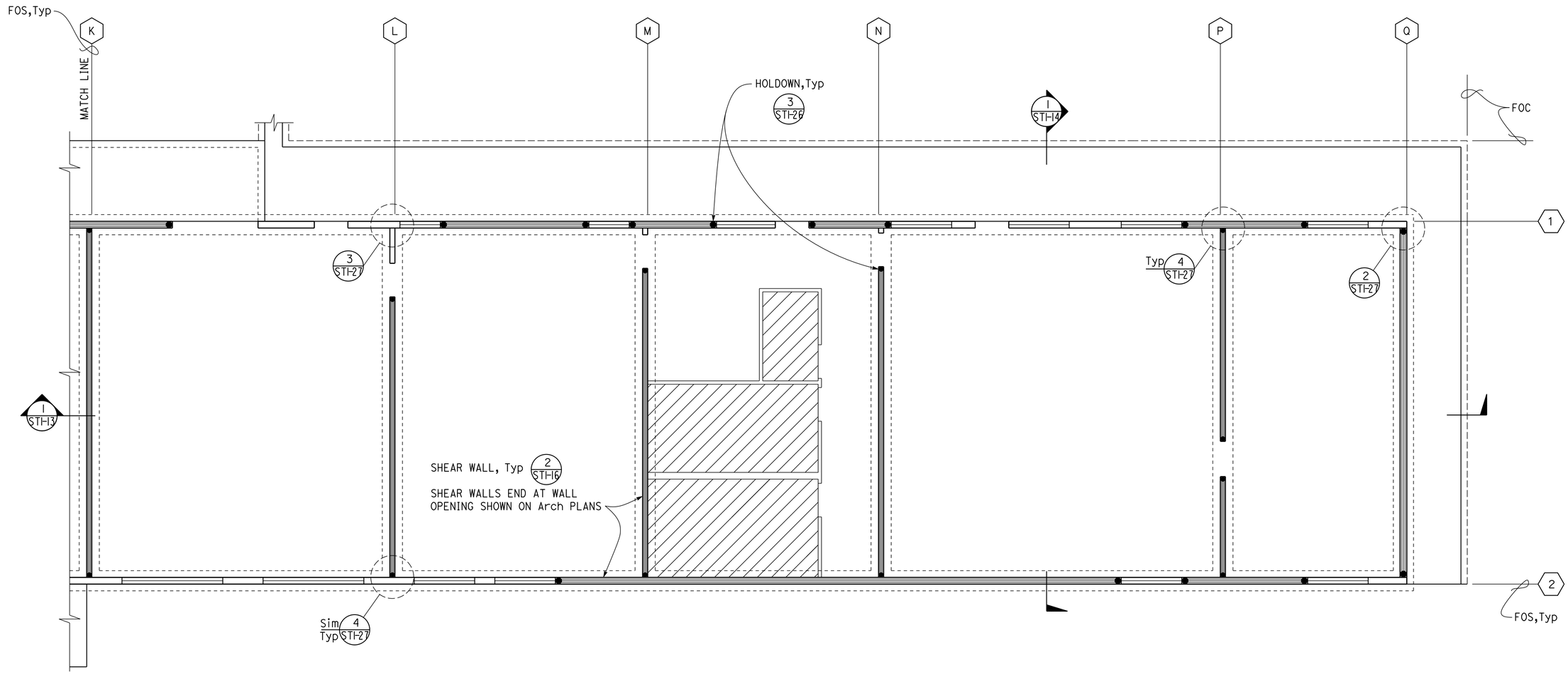

NOTE:
Equipment pads not shown, see 1 STI-4.

1 PARTIAL SHEAR WALL PLAN
3/16" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — PARTIAL SHEAR WALL PLAN #3

SHEET ST1-7

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
04-11-23	08-07-23	10-06-22	10-13-22	10-27-22	01-24-23	03-09-23	03-13-23	V2	9	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		141	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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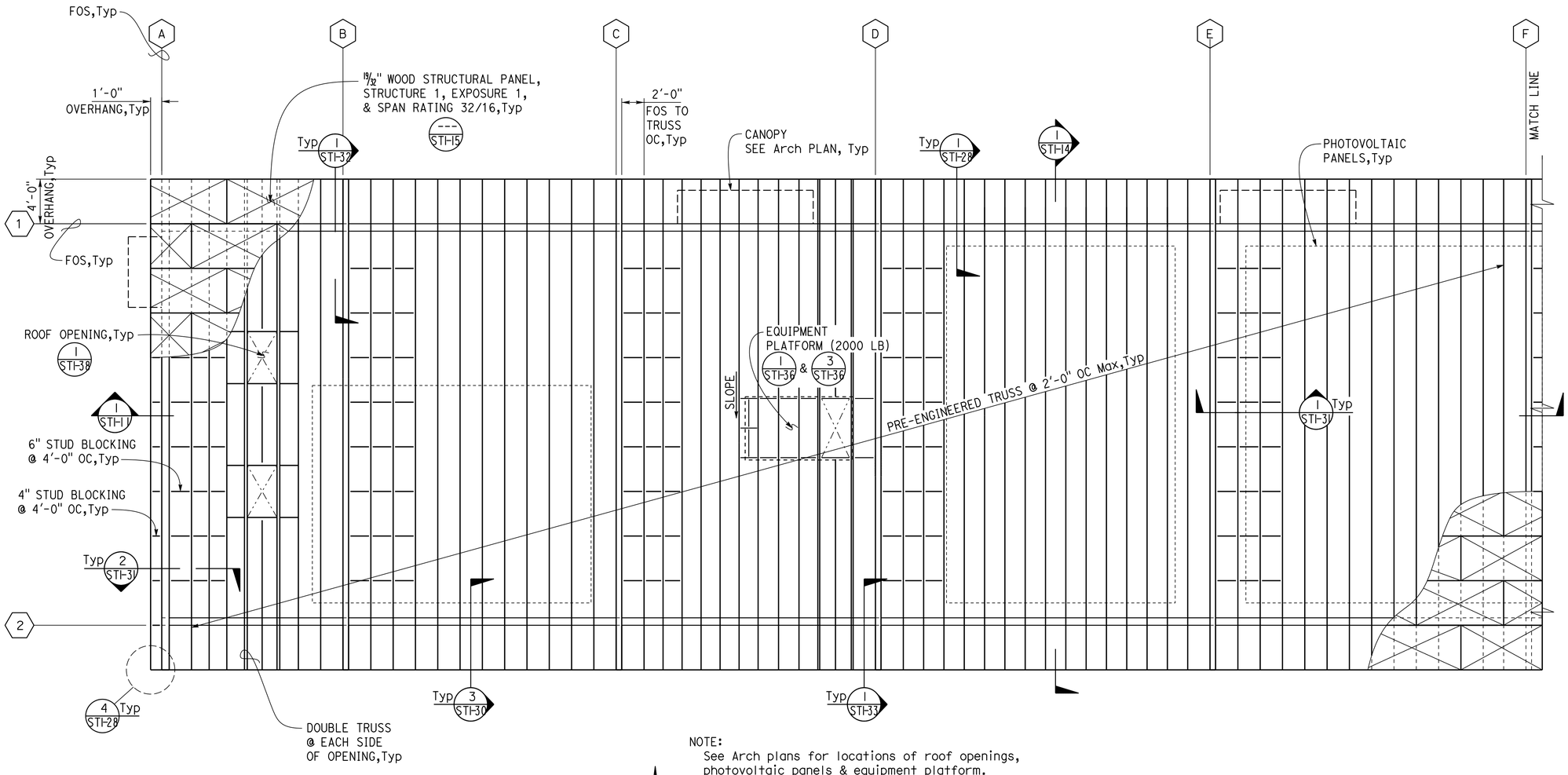

NOTE:
See Arch plans for locations of roof openings, photovoltaic panels & equipment platform.

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

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE NO.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			BUILDING

WEST AVE. MAINTENANCE STATION UPGRADE

ROOF FRAMING PLAN #1

SHEET ST1-8

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 02-16-23 02-22-23 03-30-23 04-06-23 04-12-23 04-21-23 04-27-23 06-28-23

VERSION	SHEET	OF
V2	10	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		142	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

Gang Hong, No. 60406, Exp. 6-30-26, CIVIL, STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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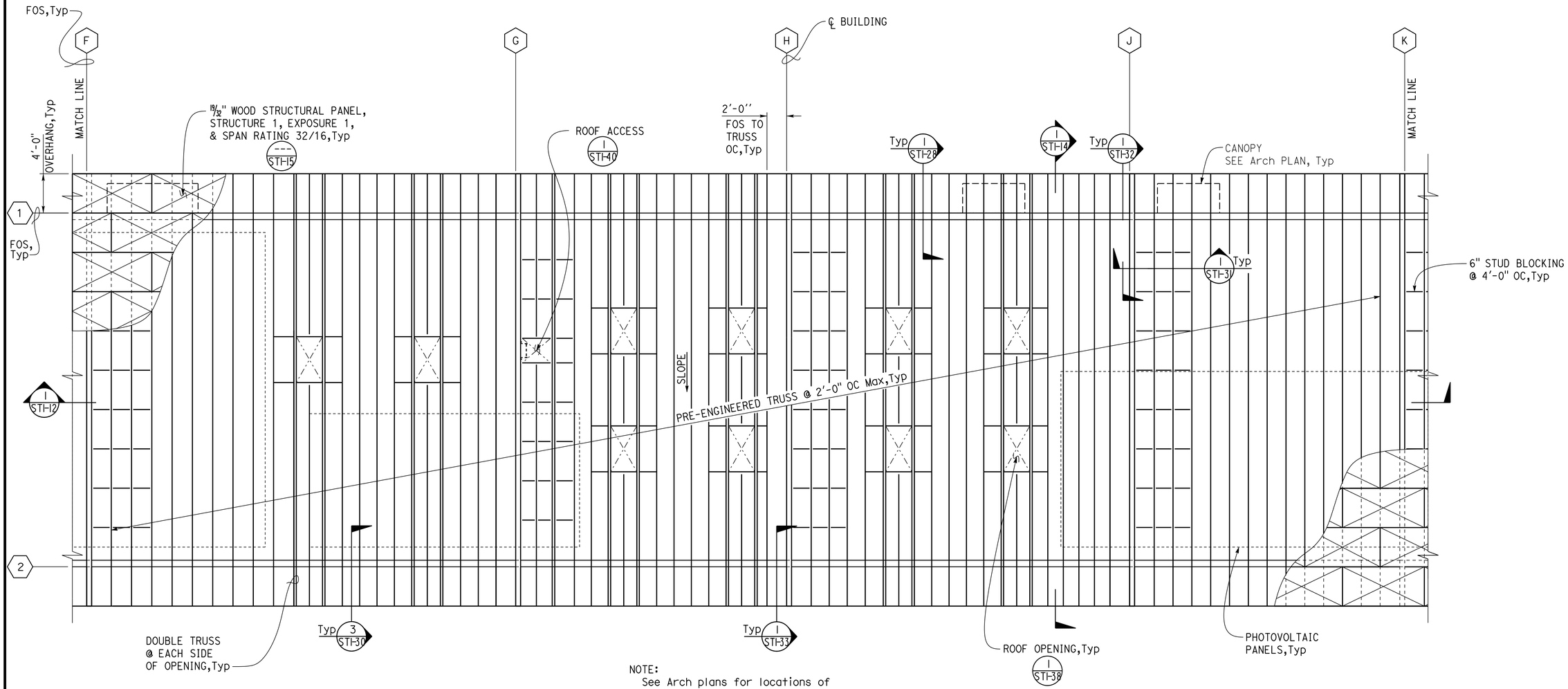

NOTE:
See Arch plans for locations of roof openings & photovoltaic panels.

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

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — ROOF FRAMING PLAN #2

SHEET ST1-9

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
02-15-23 02-22-23 03-30-23 04-12-23 04-21-23 04-27-23 06-28-23 01-23-23	V2	11	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		143	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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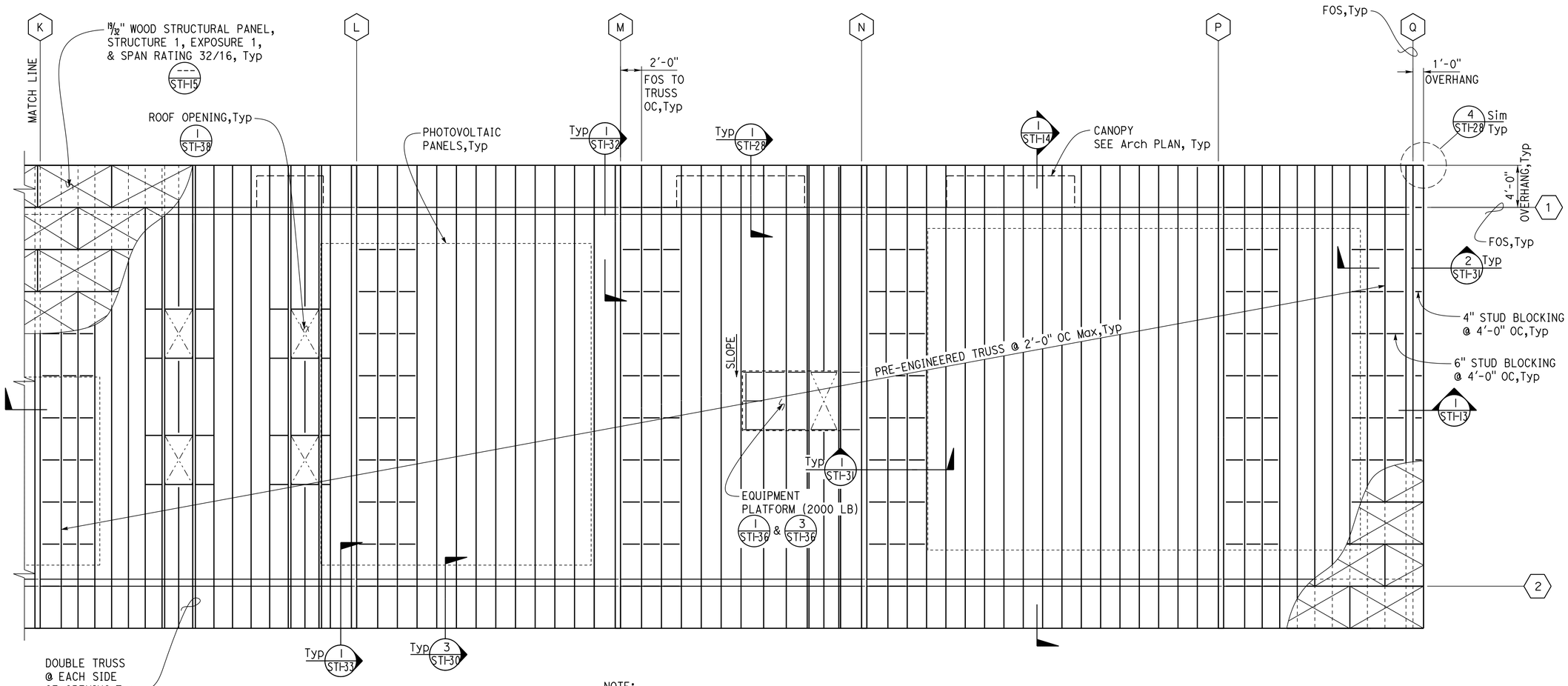

NOTE:
See Arch plans for locations of roof openings, photovoltaic panels & equipment platform.

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

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — ROOF FRAMING PLAN #3

SHEET ST1-10

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 02-16-23 02-22-23 03-30-23 04-06-23 04-12-23 04-21-23 04-27-23 06-28-23

VERSION	SHEET	OF
V2	12	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		144	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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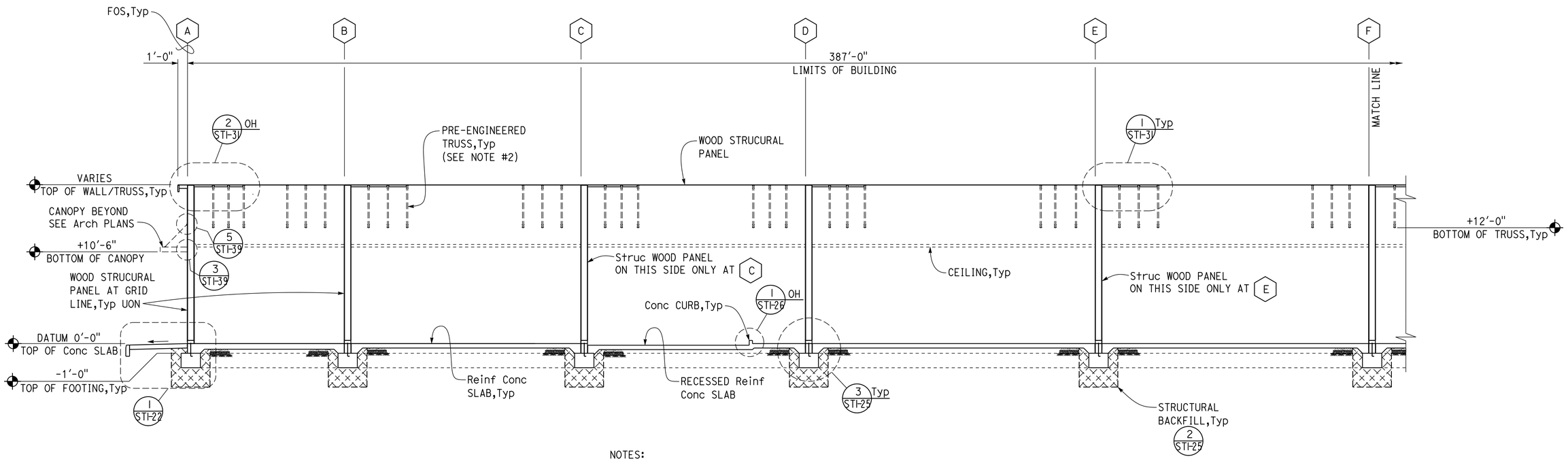

NOTES:
1. Not all CFS trusses are shown for clarity.
2. Roof openings are not shown for clarity.

1 PARTIAL FOUNDATION PLAN
3/16" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — PARTIAL BUILDING SECTION #1

SHEET ST1-11

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 12-06-22 12-13-22 01-06-23 01-23-23 04-12-23 04-12-23 04-28-23 06-29-23

VERSION	SHEET	OF
V2	13	57

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		145	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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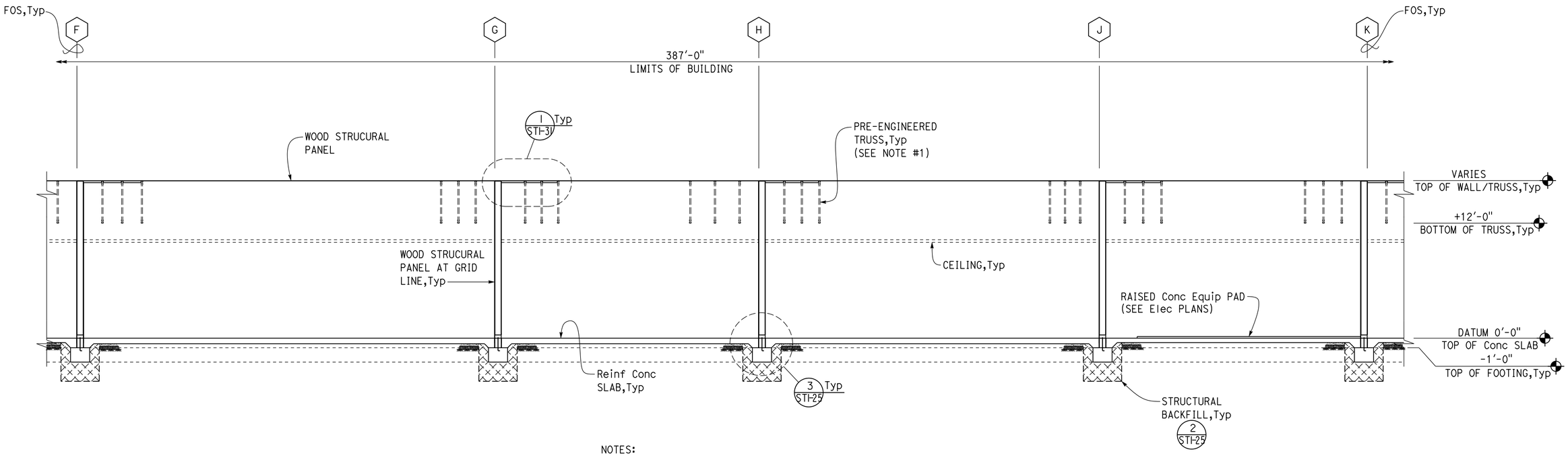

NOTES:
1. Not all CFS trusses are shown for clarity.
2. Roof openings not shown for clarity.

1 PARTIAL FOUNDATION PLAN
3/16" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — PARTIAL BUILDING SECTION #2

SHEET **ST1-12**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-14-22 01-06-23 01-24-23 04-12-23 04-28-23	V2	14	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		146	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
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STATE OF CALIFORNIA

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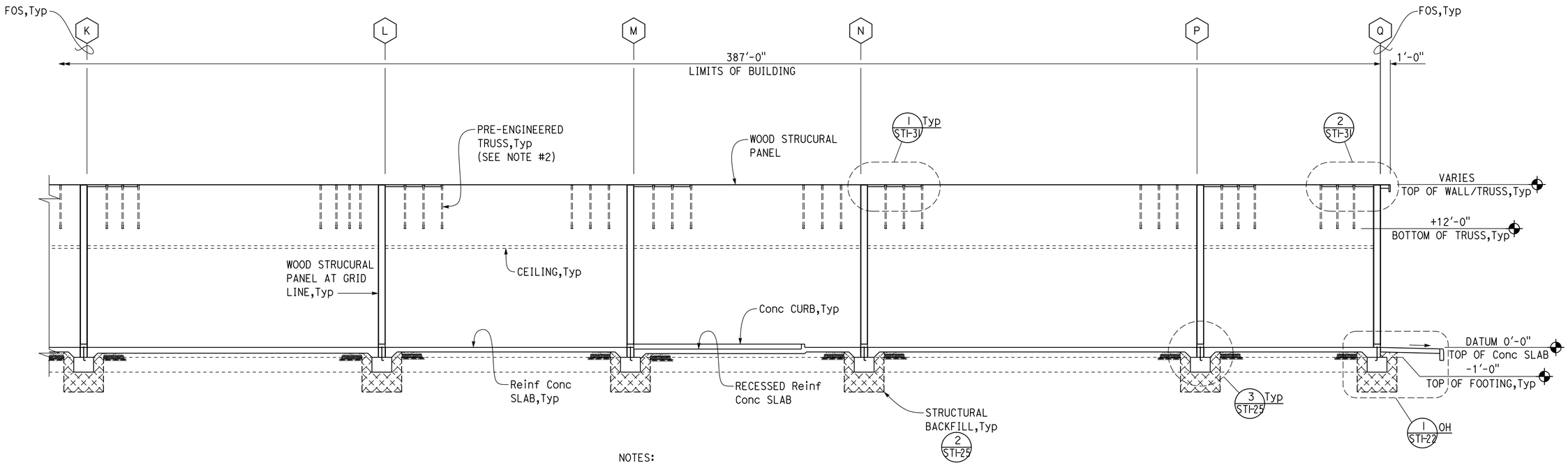

NOTES:
1. Not all CFS trusses are shown for clarity.
2. Roof openings not shown for clarity.

1 PARTIAL FOUNDATION PLAN
3/16" = 1'-0"

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DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — PARTIAL BUILDING SECTION #3

SHEET ST1-13

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-14-22 01-06-23 01-24-23 04-12-23 04-28-23	V2	15	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		147	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
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STATE OF CALIFORNIA

May 27, 2025
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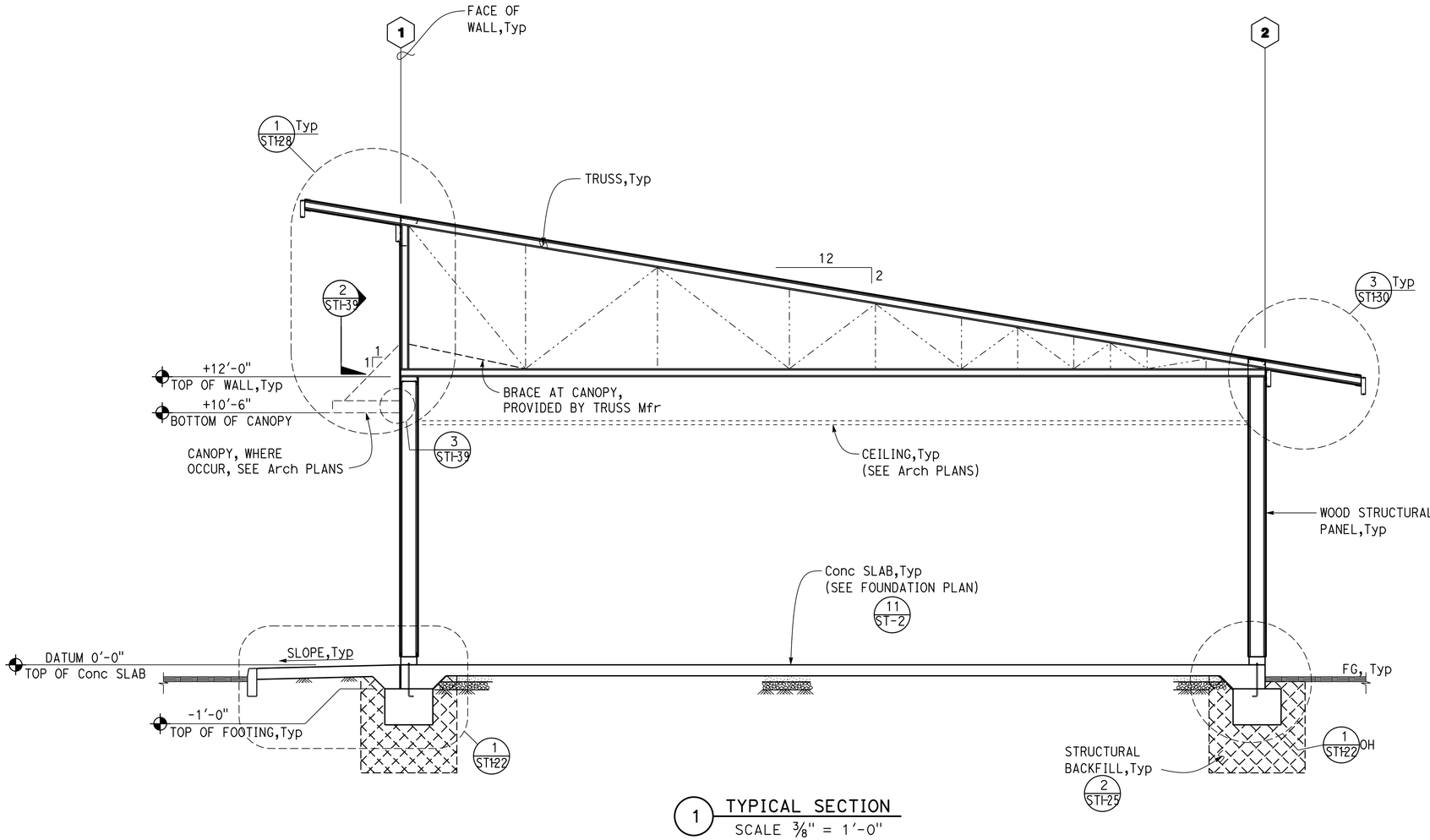

1 TYPICAL SECTION
SCALE 3/8" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — TYPICAL SECTION

SHEET ST1-14

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 04-12-23 06-29-23 10-05-22 10-31-22 12-02-22 01-03-23 01-06-23 01-24-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	16	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		148	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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A FRAMING NOTES

1. Bearing, shear and exterior walls must be sheathed with 15/32" wood structural panels but not less than what is shown on the plans.
2. Roofs must be sheathed with 19/32" wood structural panels but not less than what is shown on the plans.
3. Wood structural panels for floors and roofs must be placed face grain perpendicular to supports. Where possible, wood structural panels must be placed in full sheets and staggered one-half sheet length. Any partial wood structural panels 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. Provide 1/8" spacing between panel edge and end joints.
4. Wood structural panels must be APA grade stamped conforming to Voluntary Product Standard PS1 or PS2, Exposure 1. Span rating must be as shown on the plans but not less than 32/16.
5. Cold-formed steel (CFS) framing members must have a legible label with the following information:
   1. Manufacturer's identification
   2. Minimum base steel thickness in inches
   3. Minimum coating designation
   4. Miniumum yield strength, in kips per square inch.
6. Factory fabricated punchouts or holes in web of wall studs must meet the following requirements:
   1. Punchouts are permitted only along centerline of web. Punch-outs must have a minimum spacing of 24". Punch-outs must have a maximum width of half the member depth or 2½", whichever is less, and a maximum length of 4½".
   2. Punchouts are permitted only in wall studs.
7. Framing members must be cut to fit flush against abutting members. Members must be held in position until fastened.

B MINIMUM FASTENER SCHEDULE

1. At bearing, shear and exterior walls, wood structural panels must be fastened to framing members as follows but not less than shown on the plans:
   1) Fasteners at supported edges (edge screw) _____ #10 SDSTS @ 6" OC
   2) Fasteners at Intermediate supports (field screw)_____#10 SDSTS @ 1'-0" OC
2. At roofs, wood structural panels must be fastened to framing members as follows but not less than shown on the plans:
   1) Fasteners at supported edges (edge screw) _____ #10 SDSTS @ 6" OC
   2) Fasteners at Intermediate supports (field screw)_____ #10 SDSTS @ 1'-0" OC
3. At shear walls, unsupported edges of wood structural panels must be blocked and fastened with #10 SDSTS @ 6" oc but not less than as shown on the plans.
4. Finish plywood and gypsum board must be fastened to framing members as follows:
   1) Fasteners at supported edges (edge screw) _____#10 SDSTS @ 8" OC
   2) Fasteners at Intermediate supports (field screw)_____#10 SDSTS @ 1'-0" OC

C MECHANICAL FASTENER NOTES

1. Self-drilling self-tapping screw (SDSTS) for steel-to-steel connections must be installed with a minimum edge distance and center-to-center spacing of ½".
2. #10 SDSTS for steel-to-steel connections must have a #3 drill point that can accommodate drilling through base steel up to 3/16" thick. #12 SDSTS for steel-to-steel connection must have a #4 drill point that can accommodate drilling through base steel up to ¼" thick.
3. SDSTS for attaching structural sheathing to steel framing must have a minimum head diameter of 0.333 inch with countersunk heads and be installed with a minimum sheathing edge distance of ⅜".
4. #10 SDSTS for attaching structural sheathing to steel framing must have a #3 drill point that can accommodate drilling through framing up to 3/16" thick. #12 SDSTS for attaching structural sheathing to steel framing must have a #4 drill point that can accommodate drilling through framing up to ¼" thick.
5. Non-bearing and non-shear walls can be attached to concrete as follows. Two minimum per member and at 1" from ends.
   1. ⅛" Ø Powder driven anchor with 1" penetration @ 2'-0" OC.
   2. ¼" Ø expansion anchorage device embedded 1½" minimum at 2'-0" OC.
   3. ½" Ø anchor bolt with 2½" embedment @ 4'-0" OC.
6. Penetration of SDSTS through joined materials must not be less than 3 exposed threads. SDSTS must be installed and tightened in accordance to the manufacturer's instructions.
7. Framing screws (FS) and panel screws (PS) must be #10 SDSTS, but not less than shown on the plans.

D COLD-FORMED STEEL SECTIONS (UON)

CFS DEPTH	ITEM	SECTION
8"	Stud	800S200-54
	Track	800T200-68
	Blocking	800T200-54
6"	Stud	600S200-54
	Track	600T200-68
	Blocking	600T200-54
4"	Stud	400S200-54
	Track	400S200-68
	Blocking	400S200-54

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — BUILDING — COLD-FORMED STEEL NOTES — SHEET ST1-15

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 07-06-22 | 10-11-22 | 04-10-23 | 04-26-23 | 08-01-23

VERSION	SHEET	OF
V2	17	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		149	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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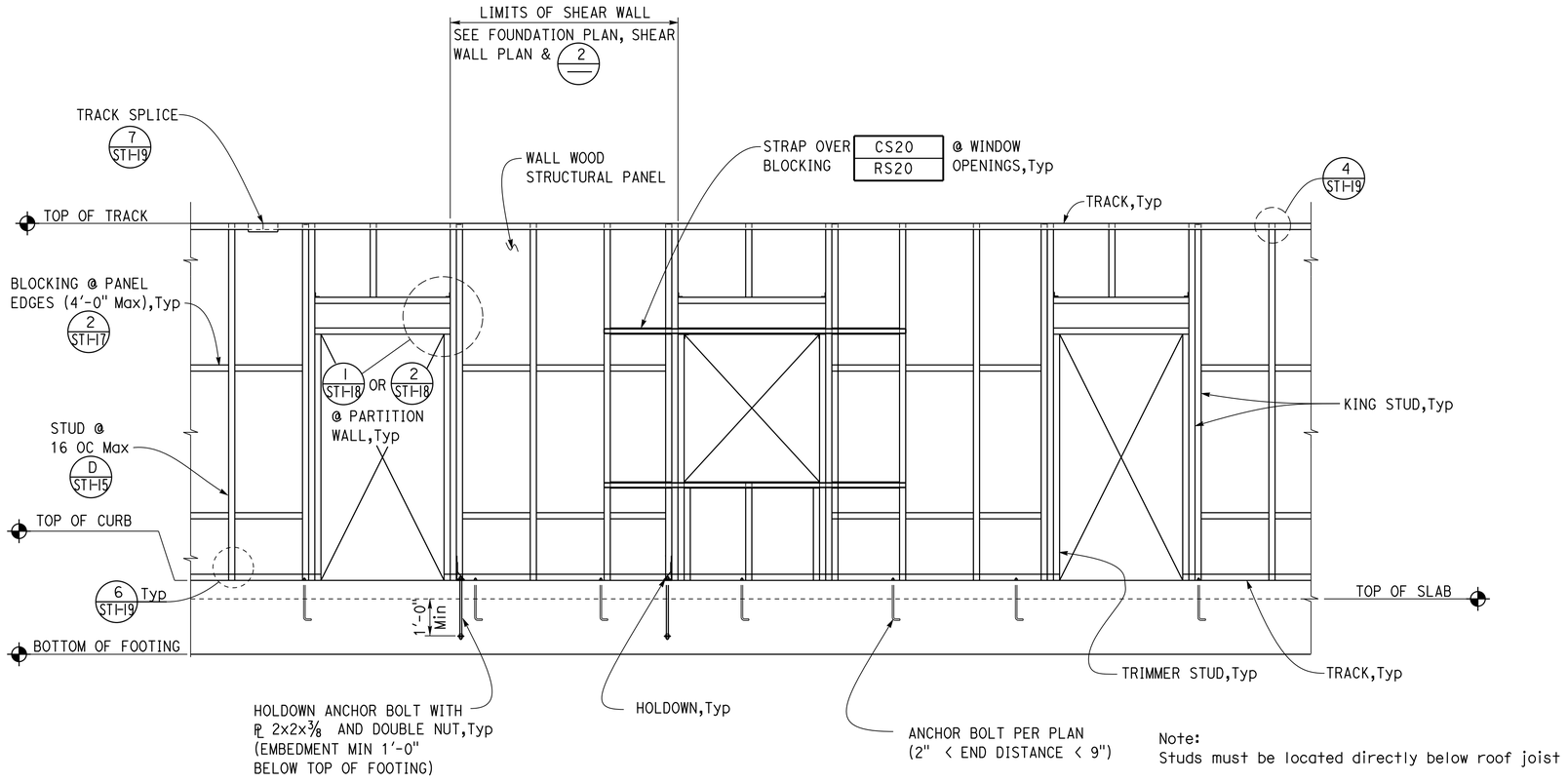
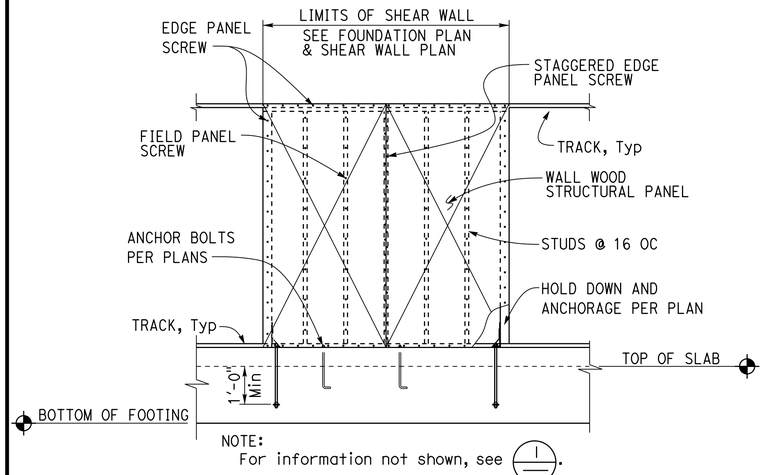


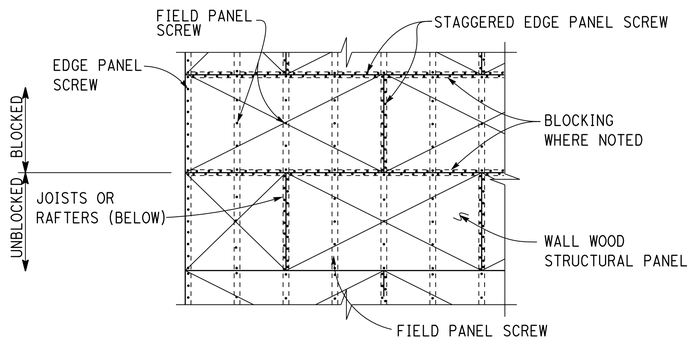
Note:
Studs must be located directly below roof joist

1 TYPICAL WALL ELEVATION
No Scale



NOTE:
For information not shown, see 1/ST1-18.

2 TYPICAL SHEAR WALL ELEVATION
No Scale



3 TYPICAL WOOD STRUCTURAL PANEL SHEATHING LAYOUT
No Scale

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	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — COLD-FORMED STEEL DETAILS

SHEET ST1-16

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 07-06-22 | 11-16-22 | 04-18-23 | 04-26-23

VERSION	SHEET	OF
V2	18	57

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		150	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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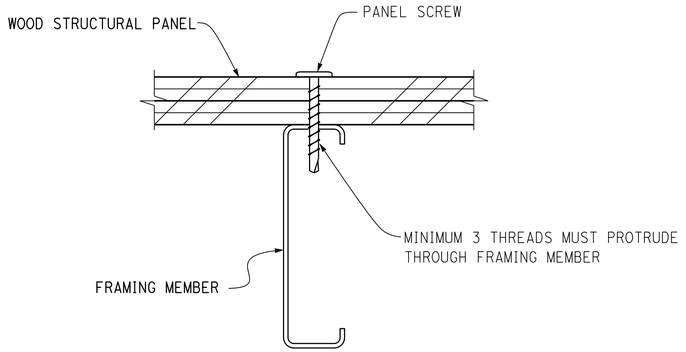

1 SCREW DETAIL
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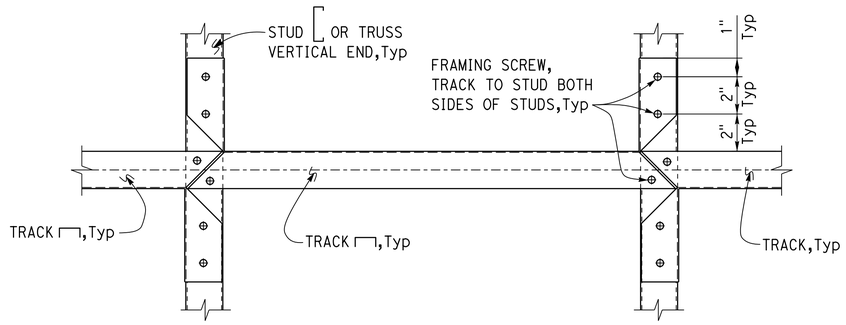

NOTES:

1. Track used for blocking shall match studs, in width and gauge thickness.

2. Strapping on blocking, if required, not shown for clarity.

2 STUD BLOCKING DETAIL
NO SCALE

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — BUILDING — COLD-FORMED STEEL DETAILS

SHEET ST1-17

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 07-06-22 04-10-23 04-26-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-06-22 04-10-23 04-26-23	V2	19	57

7-JUL-2025 17:17

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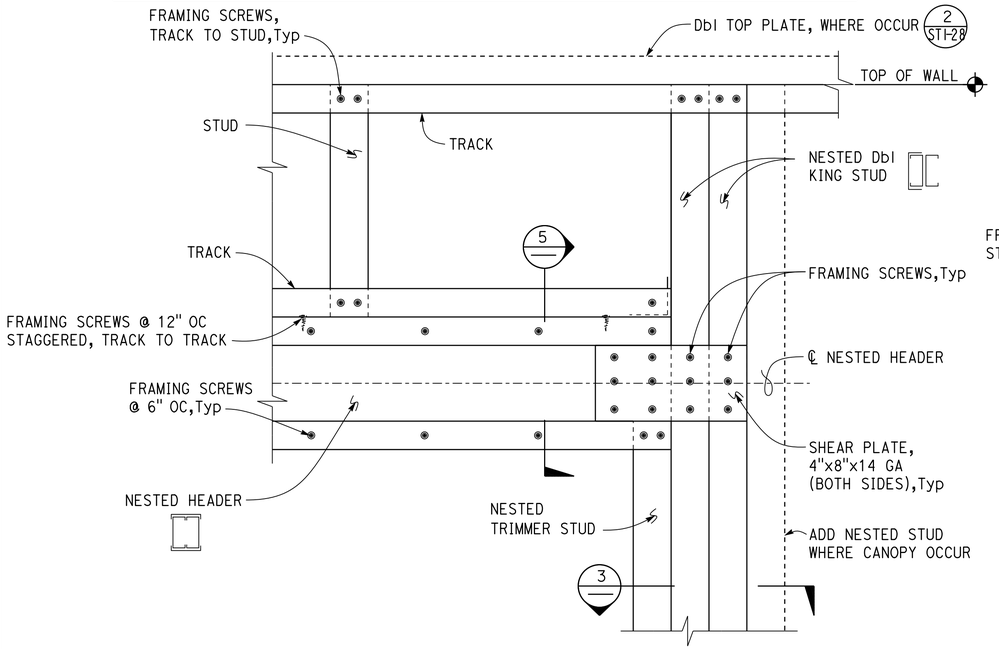
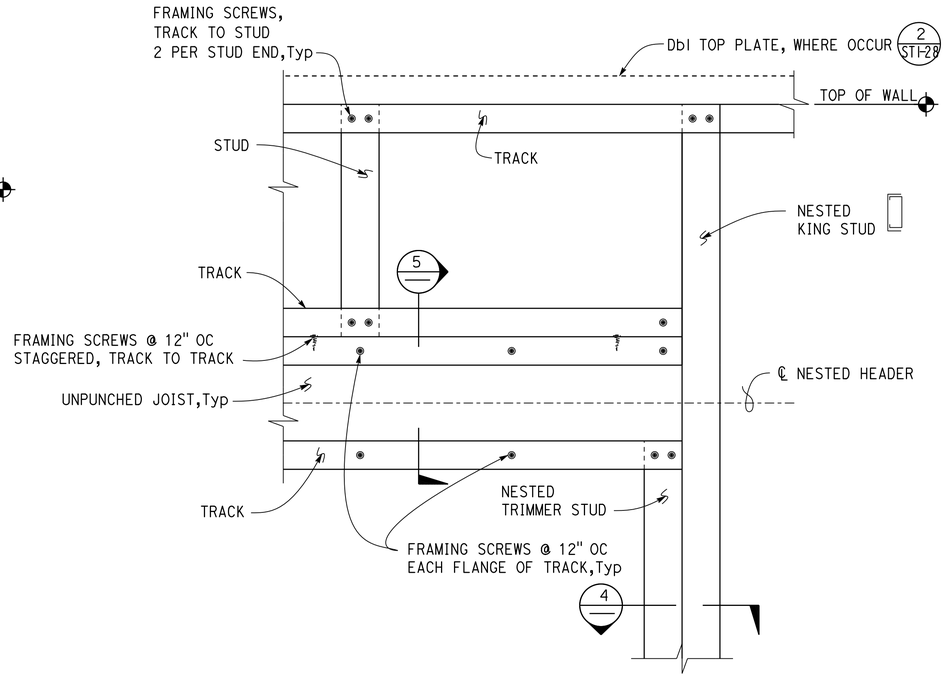
NESTED HEADER

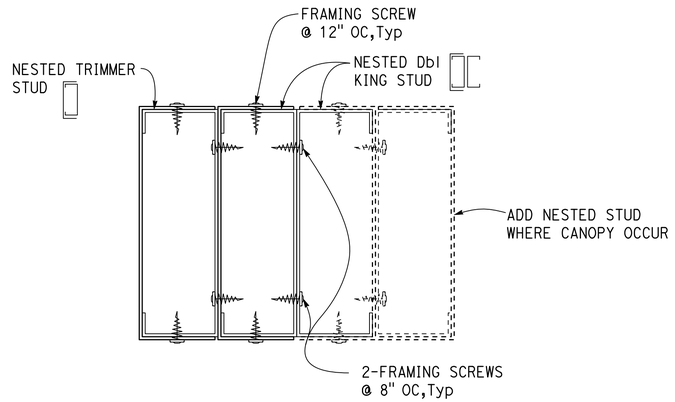
Opening Span	8" WALL	6" WALL
up to 7'-0"	2-800S200-68 unpunched 2-800T200-68	2-800S200-68 unpunched 2-600T200-68
up to 11'-0"	2-1200S200-68 unpunched 2- 800T200-68	2-1200S200-68 unpunched 2- 600T200-68



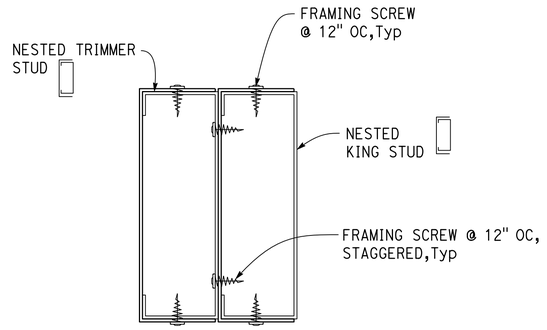
1 TYPICAL WALL HEADER DETAIL
No Scale



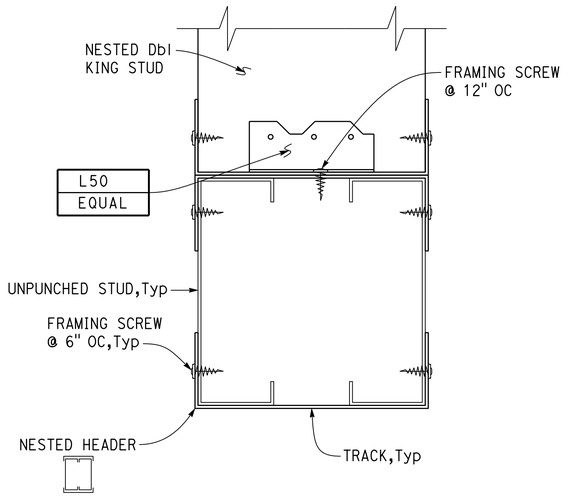
2 TYPICAL PARTITION WALL HEADER DETAIL
No Scale



3 KING POST AND TRIMMER STUD SECTION
No Scale



4 KING POST AND TRIMMER STUD CONNECTION
No Scale



5 HEADER DETAIL
No Scale

APPROVED FOR STRUCTURAL WORK ONLY

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		151	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — COLD-FORMED STEEL STUD WALL DETAILS

SHEET ST1-18

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-06-22 04-11-23 04-26-23	V2	20	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		152	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

Gang Hong, No. 60406, Exp. 6-30-26, CIVIL, STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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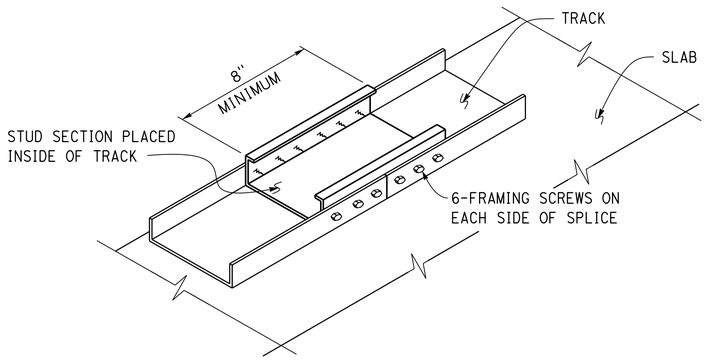
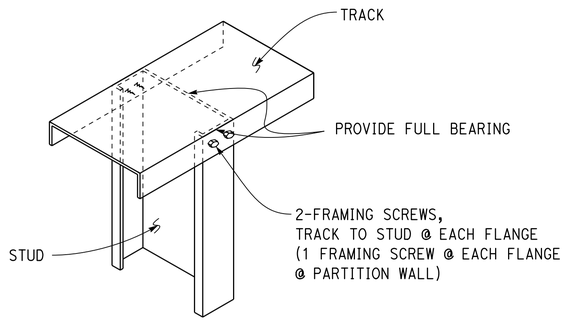
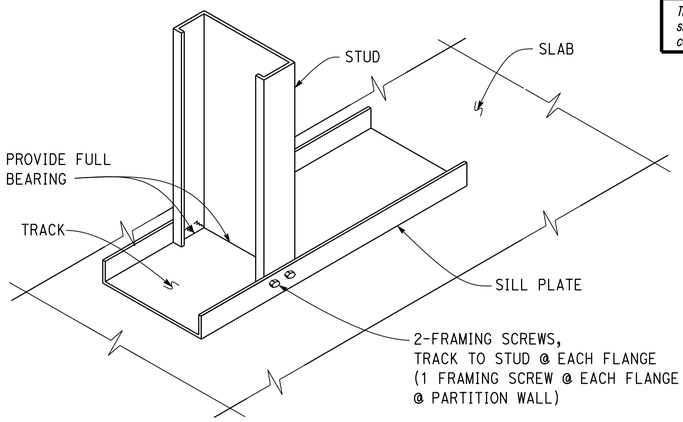


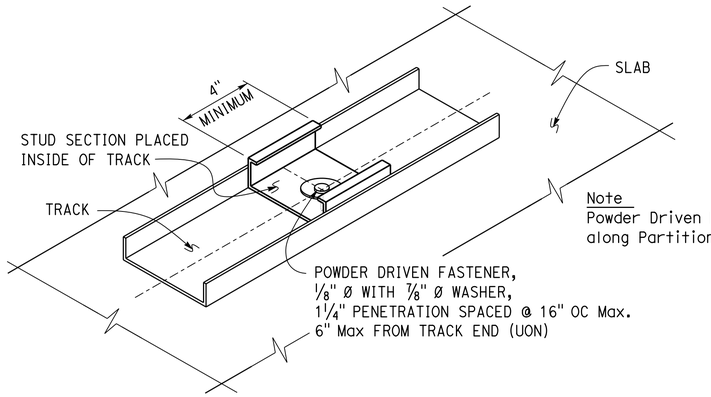
1 SILL PLATE SPLICE
NO SCALE



4 STUD TO TOP PLATE
NO SCALE

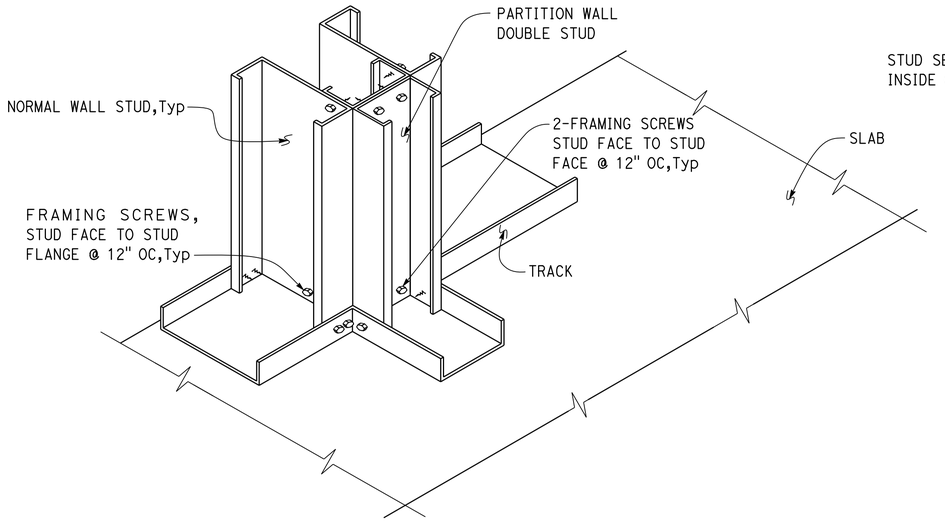


6 STUD TO SILL PLATE
NO SCALE

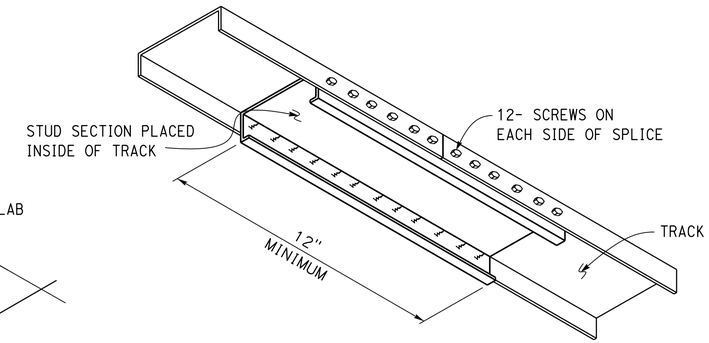


Note
Powder Driven Fasteners are used along Partition Wall layout only.

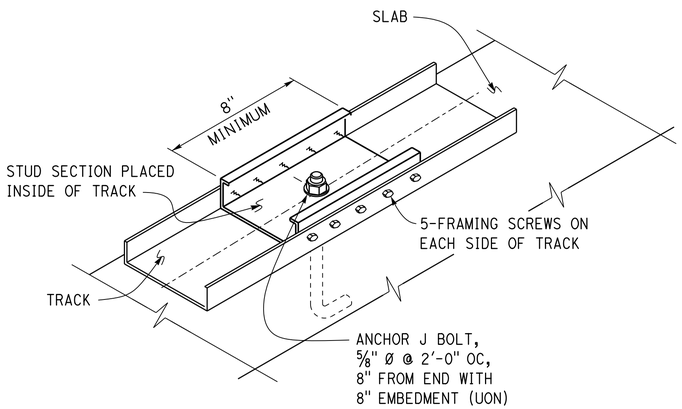
2 PARTITION WALL ANCHORAGE
NO SCALE



5 WALL INTERSECTION DETAIL
NO SCALE



7 TOP PLATE SPLICE
NO SCALE



3 SILL PLATE TRACK ANCHORAGE
NO SCALE

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — COLD-FORMED STEEL STUD WALL DETAILS

SHEET ST1-19

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-06-22 04-10-23 04-26-23	V2	21	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		153	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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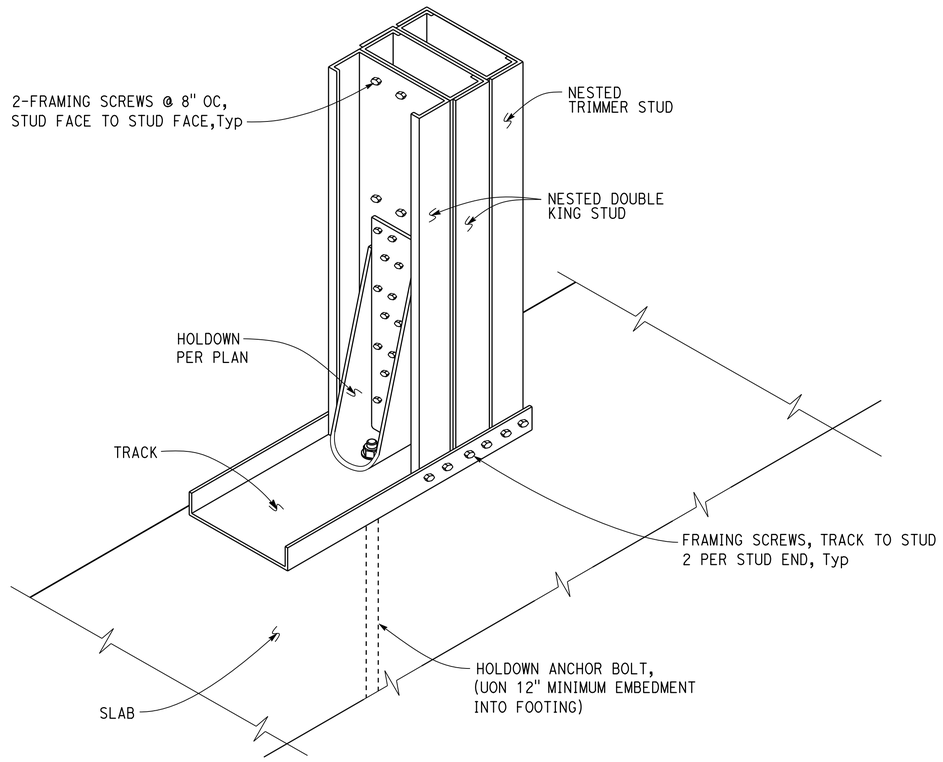

NOTE:
Wall wood structural panel and slab reinforcement not shown for clarity.

1 WALL ANCHOR DETAIL
NO SCALE

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — COLD-FORMED STEEL HOLDOWN DETAILS

SHEET **ST1-20**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 07-06-22 04-10-23 04-26-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-06-22 04-10-23 04-26-23	V2	22	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		154	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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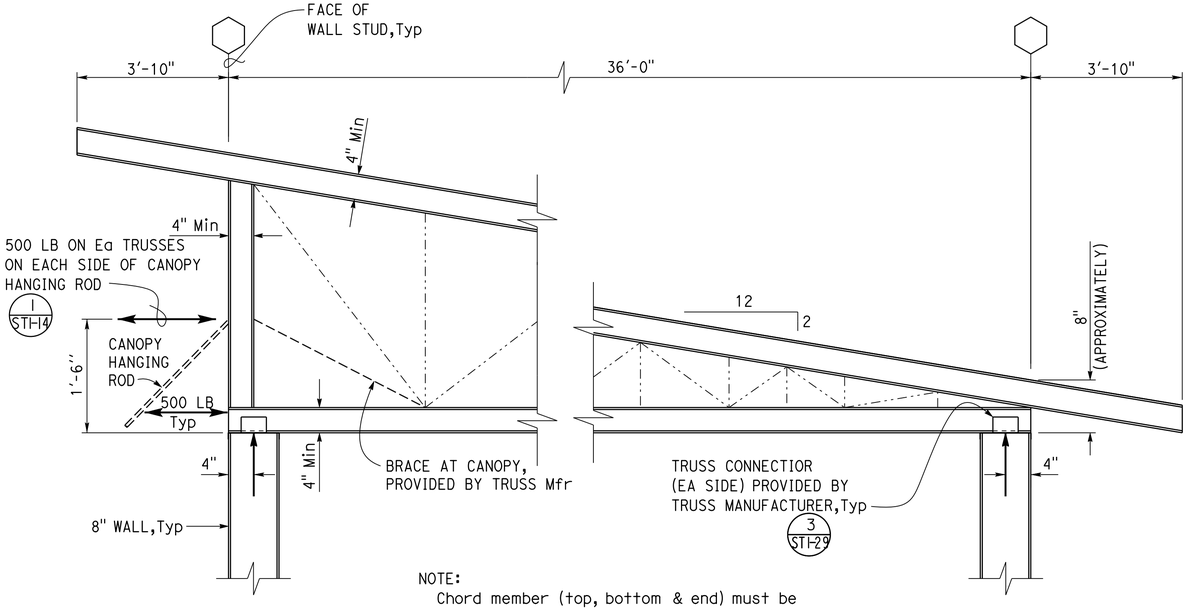
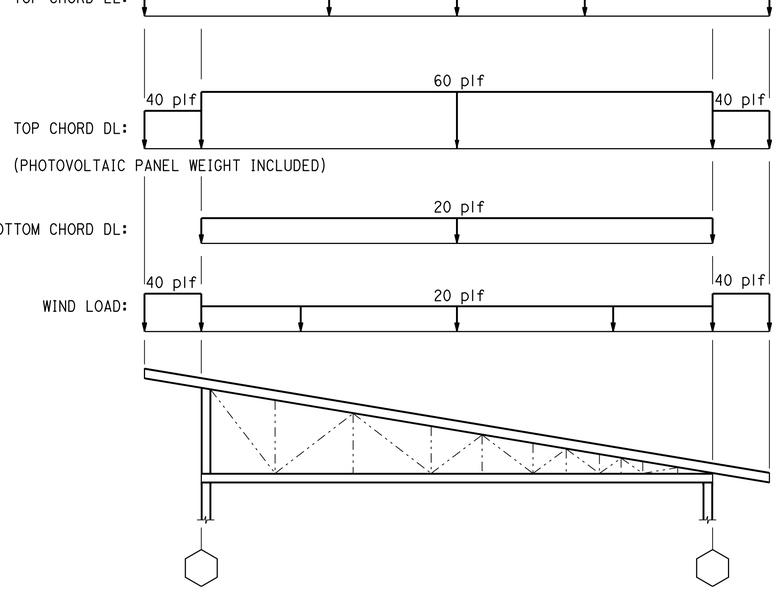
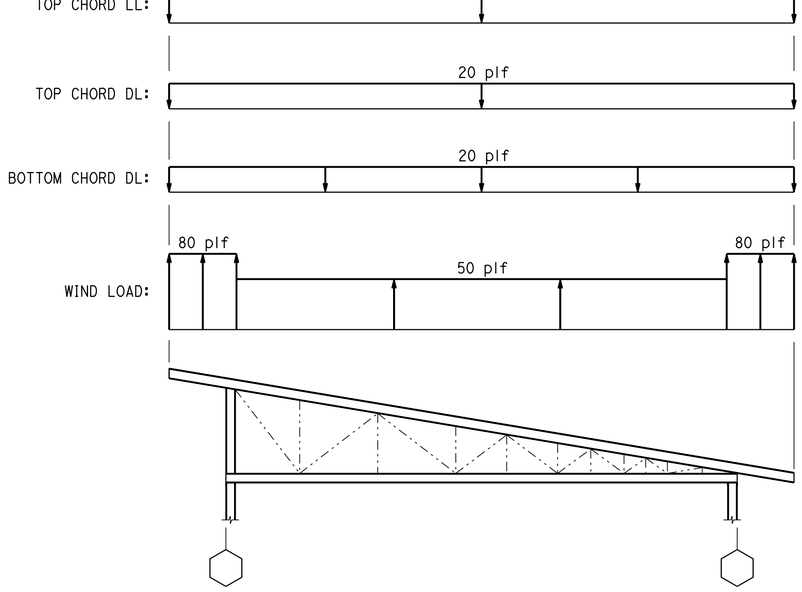


NOTE:
Chord member (top, bottom & end) must be manufactured from the material with the thickness of 18 GA or bigger.



NOTE:
See roof plans for additional roof top equipment loads.

1 TRUSS LOADING - LOAD CASE #1
NO SCALE



NOTE:
See roof plans for additional roof top equipment loads.

2 TRUSS LOADING - LOAD CASE #2
NO SCALE

3 PRE-ENGINEERED TRUSS REQUIREMENTS

1. The pre-engineered truss must be designed for both Load Case #1 and Load Case #2 shown on this sheet
2. Maximum allowable deflection:
   Live load ---------- L/360
   Total load ---------- L/240
3. Camber must equal dead load deflection.
4. All truss-to-truss connections (jack-to-hip; hip-to-girder; girder-to-girder; etc.) must be designed and detailed by the truss manufacturer.
5. Truss web configurations and truss member sizes are diagrammatic only. Actual configurations and sizes are to be determined by truss manufacturer.
6. ↑ Denotes truss bearing locations.
7. plf - Pounds per linear foot.

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING
TRUSS LOADING DETAILS & NOTES

SHEET ST1-21

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
11-17-22	01-26-23	04-14-23	04-26-23	06-29-23	08-21-23	V2	23	57

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		155	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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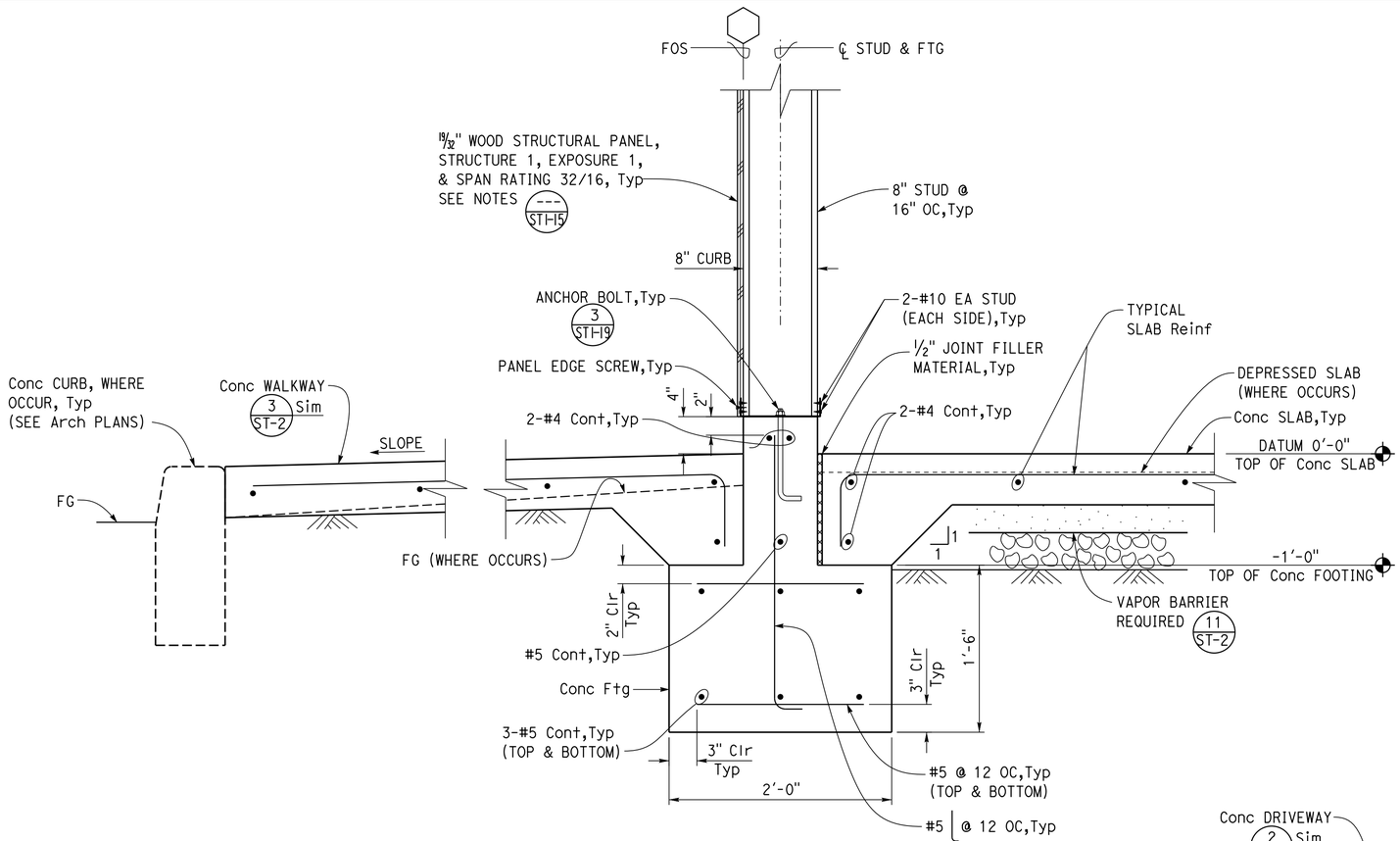
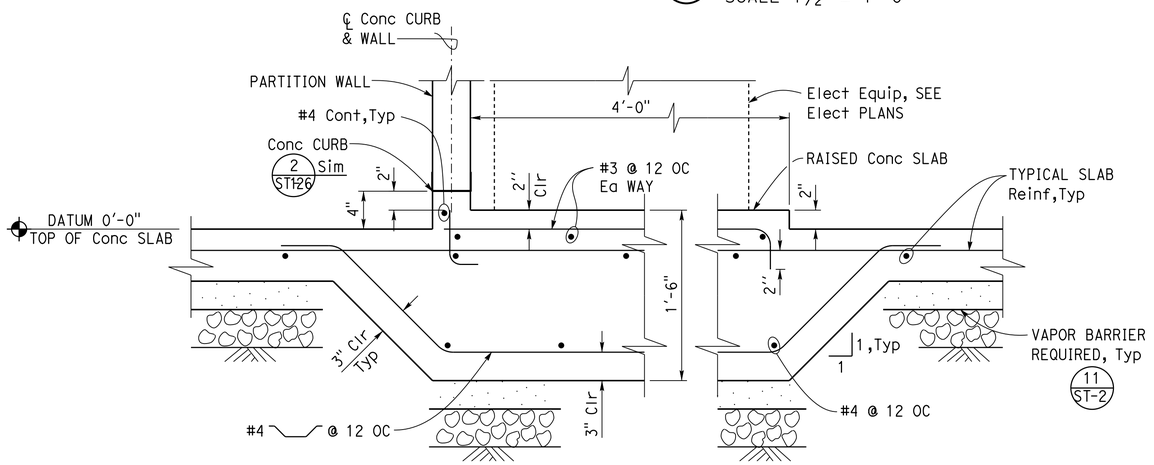
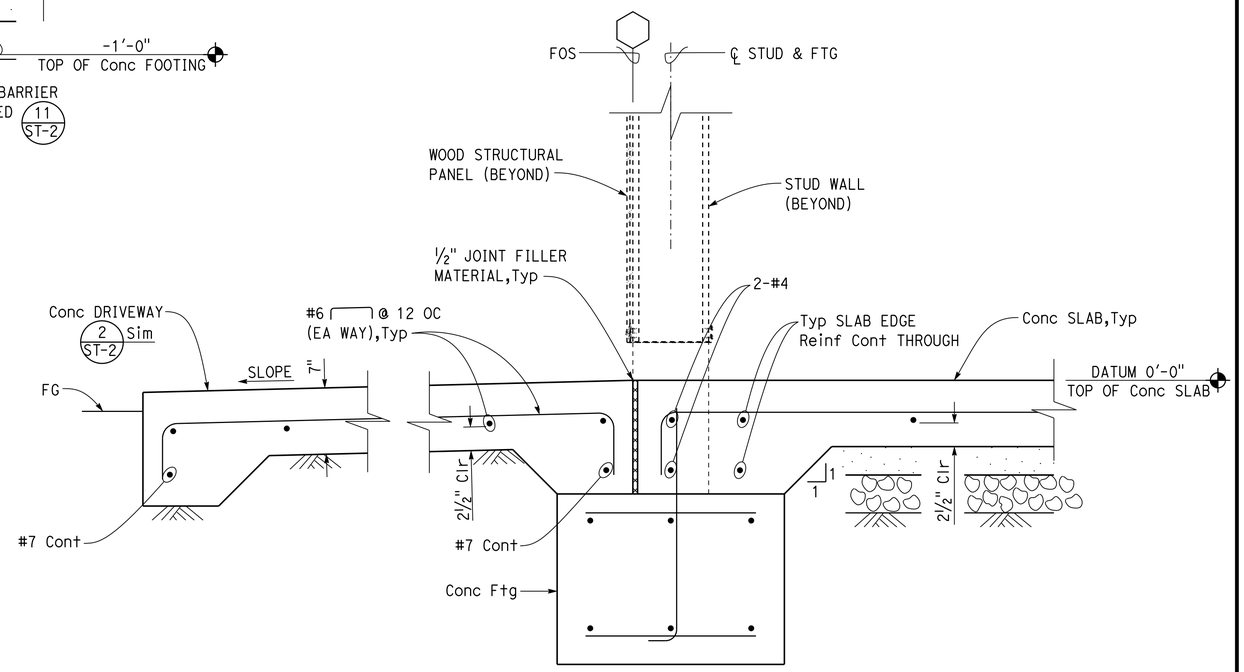


1 FOOTING DETAIL
SCALE 1 1/2" = 1'-0"



2 EQUIPMENT PAD DETAIL
SCALE 1 1/2" = 1'-0"



NOTE:
For details & dimensions not shown, see 1 — Sim

3 FOOTING DETAIL @ OPENING
SCALE 1 1/2" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — SHEET ST1-22

BUILDING — FOUNDATION DETAILS

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 10-10-22 10-24-22 01-24-23 02-22-23 04-13-23 04-28-23 06-29-23 05-15-24

VERSION	SHEET	OF
V2	24	57

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		156	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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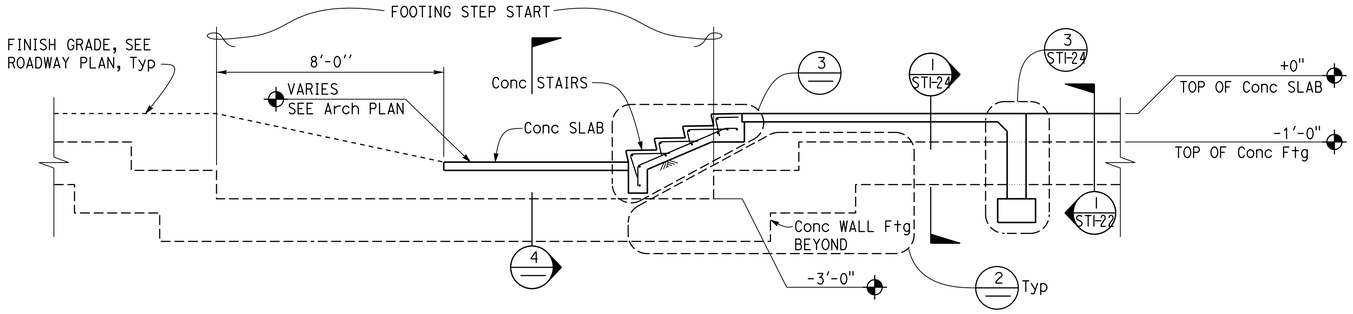
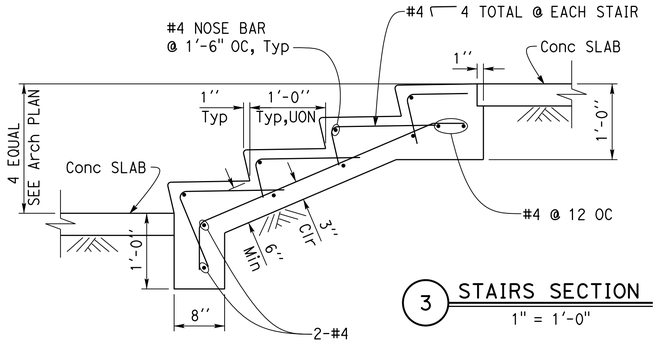
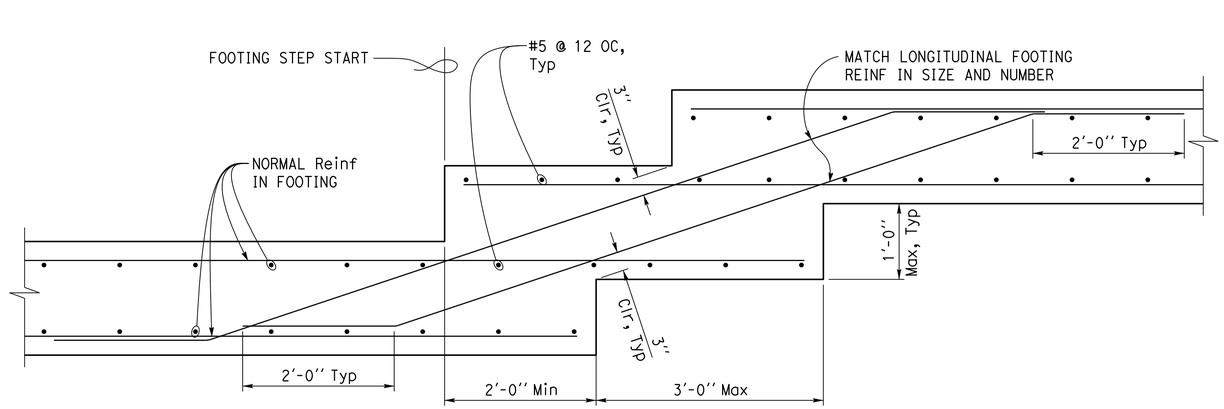


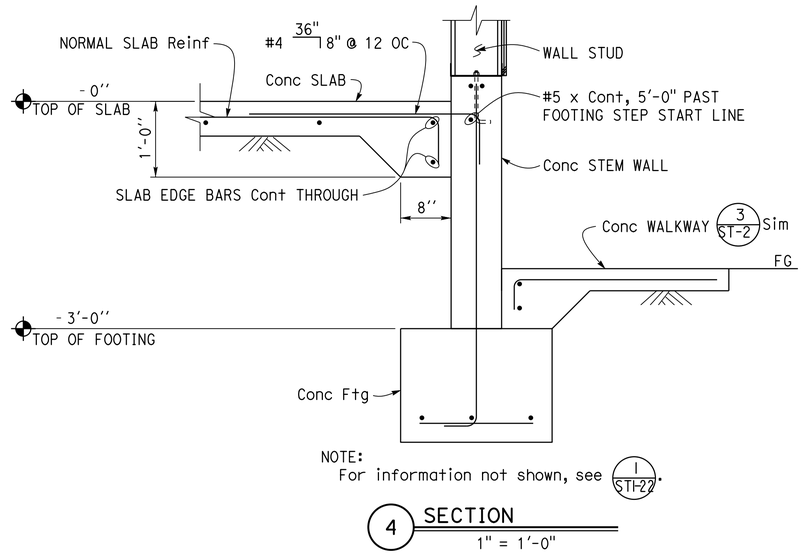
1 STEP FOOTING SECTION
3/8" = 1'-0"



3 STAIRS SECTION
1" = 1'-0"



2 STEP FOOTING DETAIL
1" = 1'-0"



4 SECTION
1" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING
STEP FOOTING AND STAIR SECTIONS

SHEET ST1-23

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 05-14-24

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	25	57

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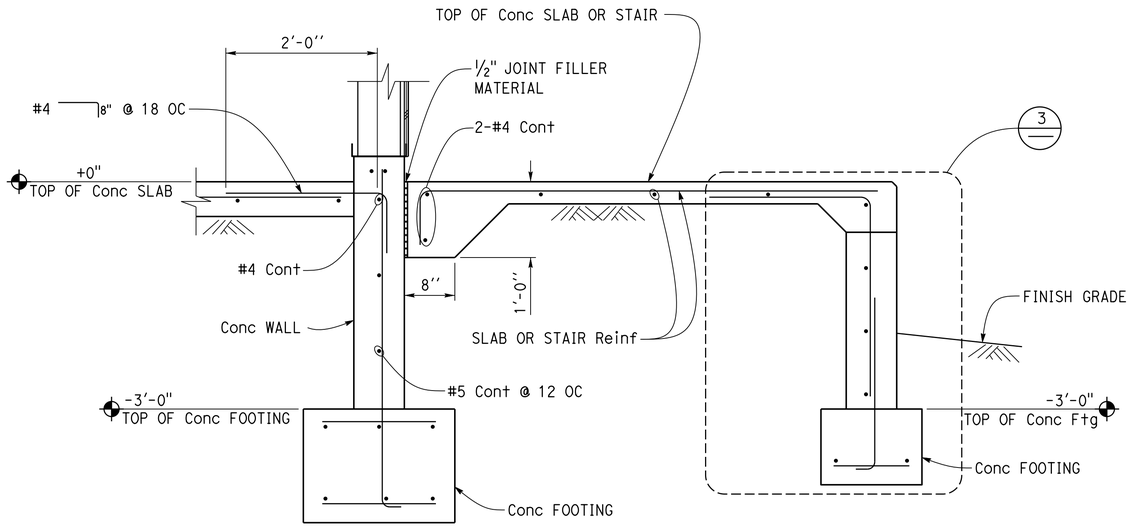
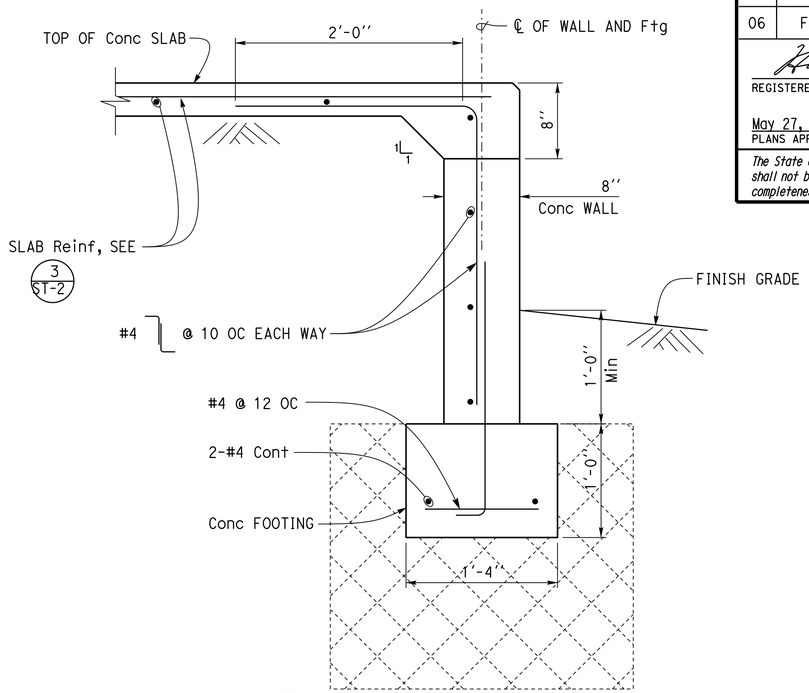


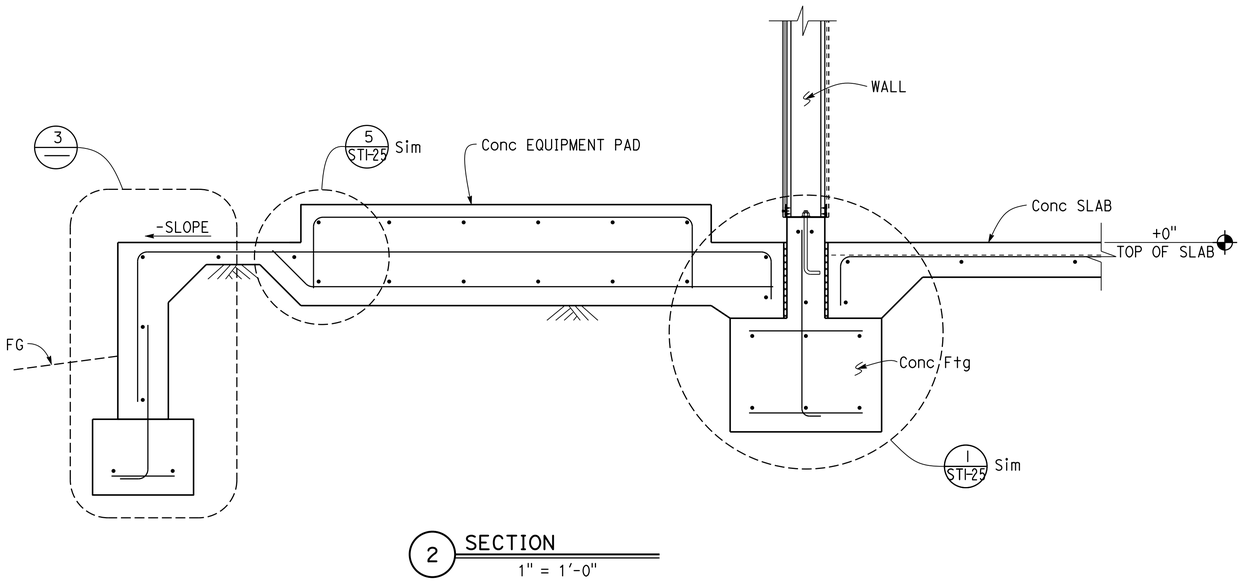
NOTE:
For information not shown see 1/STI-22

1 FOOTING SECTION
1" = 1'-0"

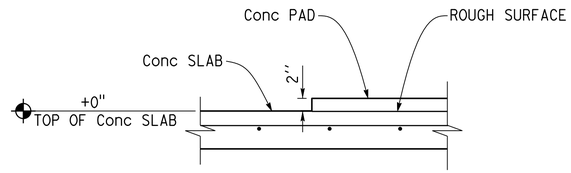


NOTE:
For over excavation and structural backfill, see 2/STI-25

3 FOOTING DETAIL
1½" = 1'-0"



2 SECTION
1" = 1'-0"



4 SECTION
1" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		157	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — FOOTING SECTION AND DETAIL

SHEET ST1-24

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 05-14-24 01-08-25

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	26	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		158	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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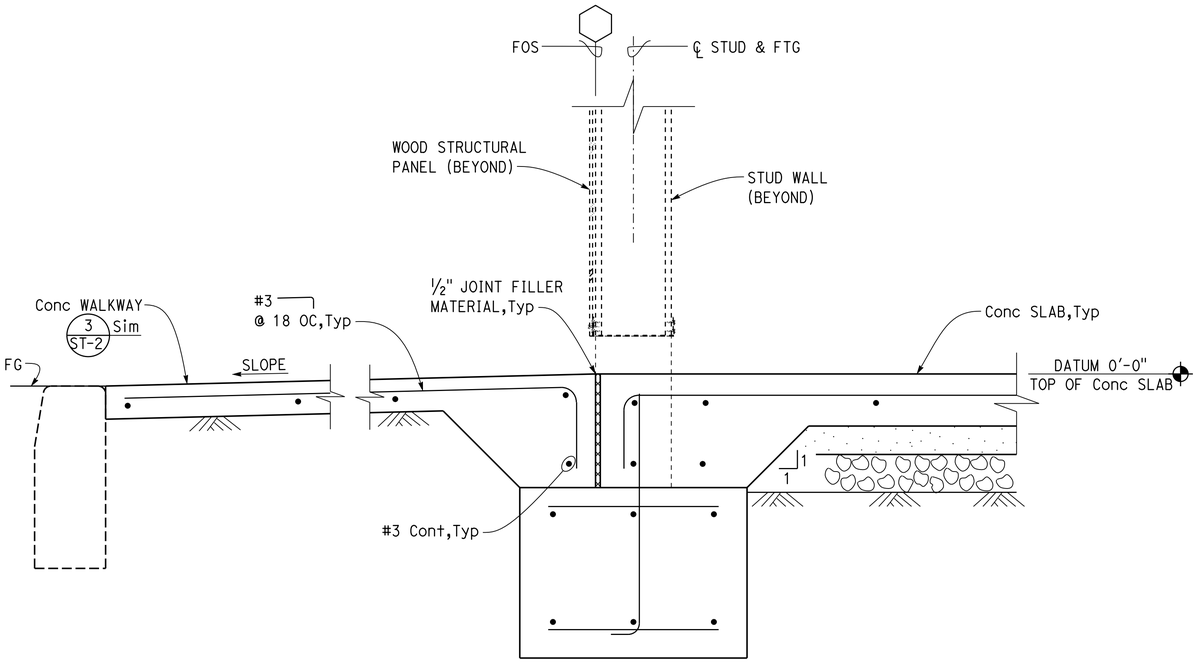
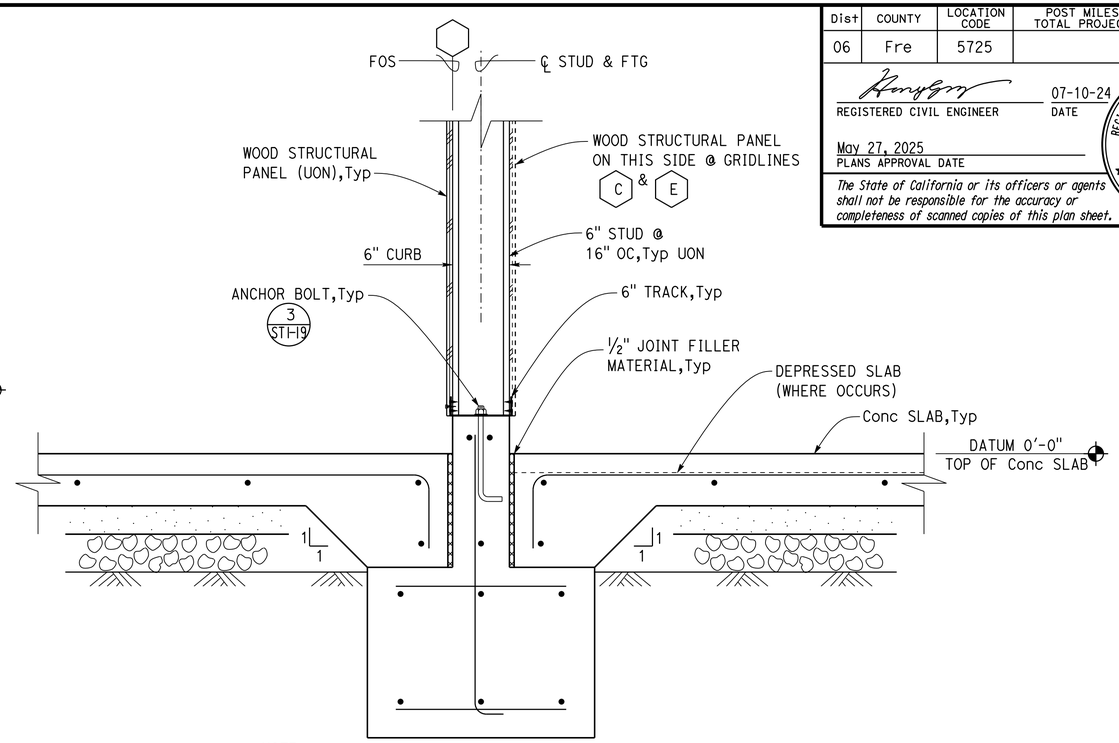


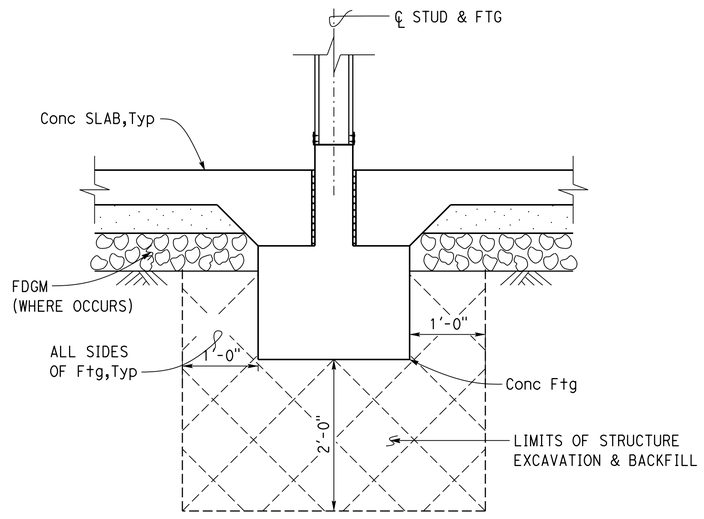
NOTE:
For details & dimensions not shown, see 3 ST1-22

1 FOOTING DETAIL @ OPENING
SCALE 1½" = 1'-0"



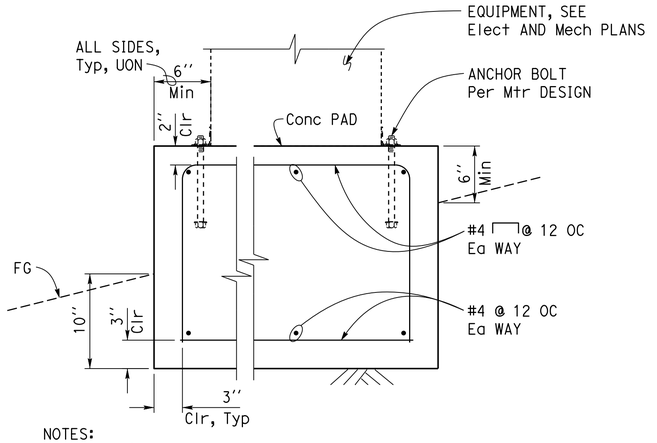
NOTE:
For details & dimensions not shown, see 1 ST1-22 Sim

3 INTERIOR FOOTING DETAIL
SCALE 1½" = 1'-0"



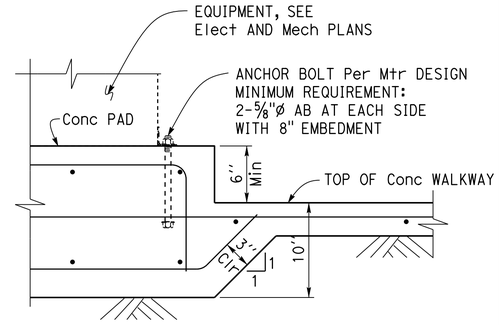
2 FOOTING OVER EXCAVATION DETAIL
SCALE 1" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY



NOTES:
1. For size and location of concrete pads, see Arch plans.
2. 1'-0" minimum clearance between building wall and pad is required.

4 CONCRETE PAD
SCALE 1½" = 1'-0"



NOTES:
1. For information not shown, see 4.
2. For size and location of concrete pads, see Arch plans.
3. 1'-0" minimum clearance between building wall and pad is required.

5 CONCRETE PAD
SCALE 1½" = 1'-0"

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FOUNDATION DETAILS

SHEET ST1-25

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
05-15-24 01-24-23 02-22-23 04-13-23 04-21-23 04-25-23 06-30-23 07-18-23	V2	27	57

TAEMWW Imperial - CCSC Rev. 12/20

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7-JUL-2025 17:17

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		159	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA
REGISTERED PROFESSIONAL ENGINEER

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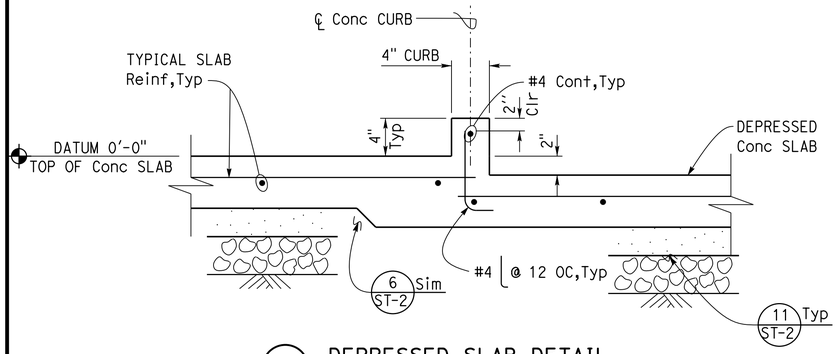
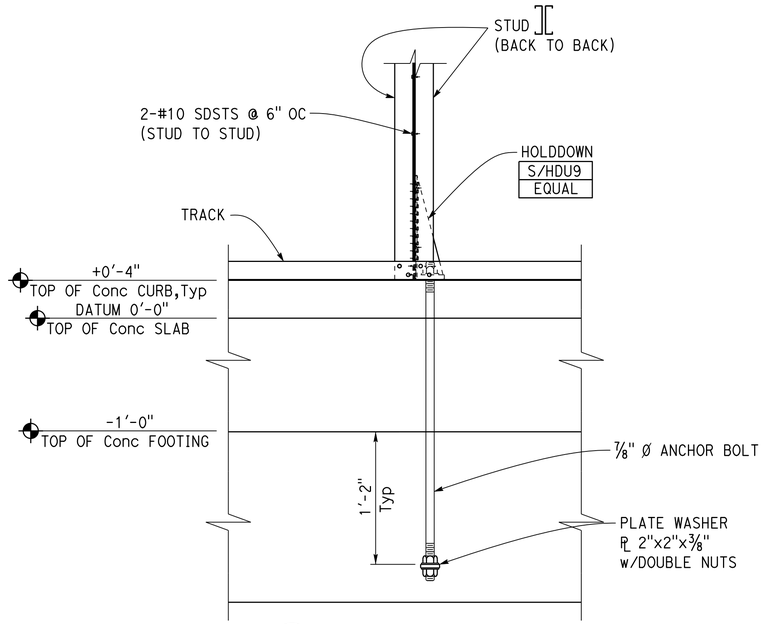
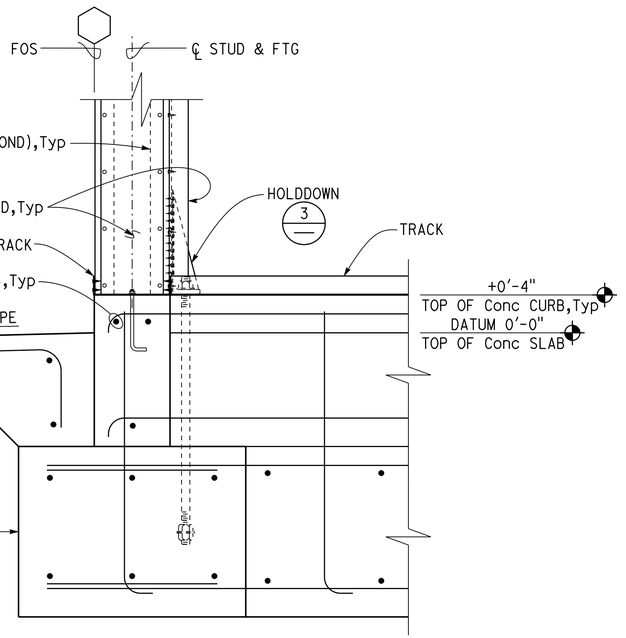


1 DEPRESSED SLAB DETAIL
SCALE 1½" = 1'-0"



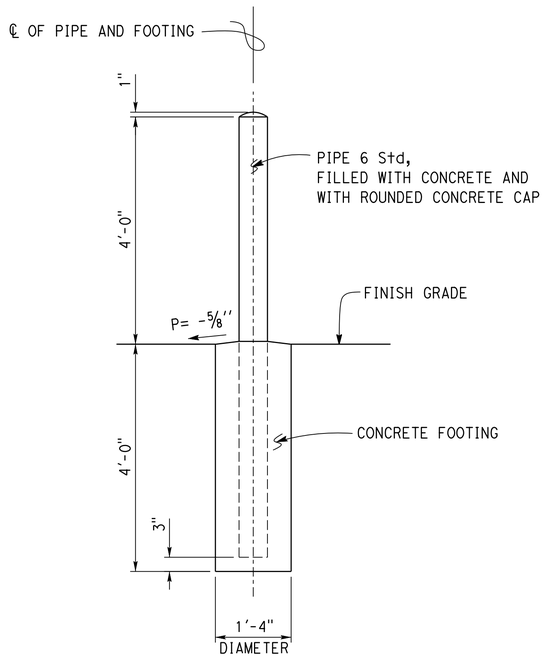
3 HOLDDOWN DETAIL
SCALE 1½" = 1'-0"



NOTE:
For details & dimensions not shown, see (1 / ST1-22).

4 WALL INTERSECTION DETAIL
SCALE 1½" = 1'-0"

2 DEPRESSED SLAB DETAIL
SCALE 1½" = 1'-0"



5 PIPE GUARD POST DETAIL
¾" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN
QUANTITIES	BY	CHECKED	

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FOUNDATION & WALL DETAILS

SHEET **ST1-26**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
10-12-22	10-28-22	01-25-23	02-22-23	03-01-23	06-29-23	V2	28	57

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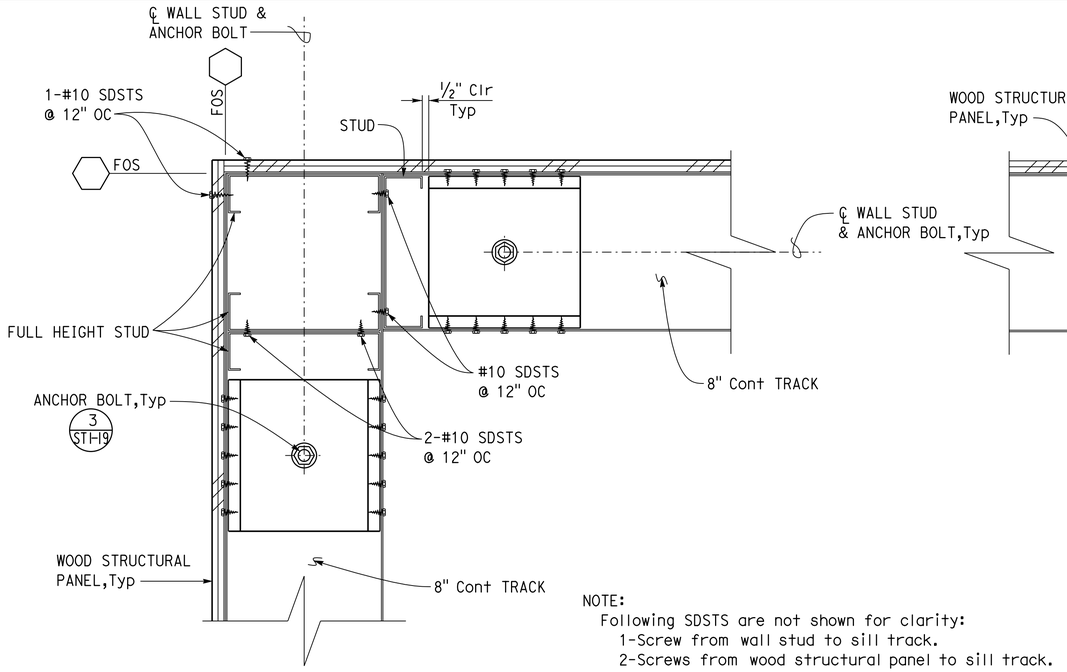
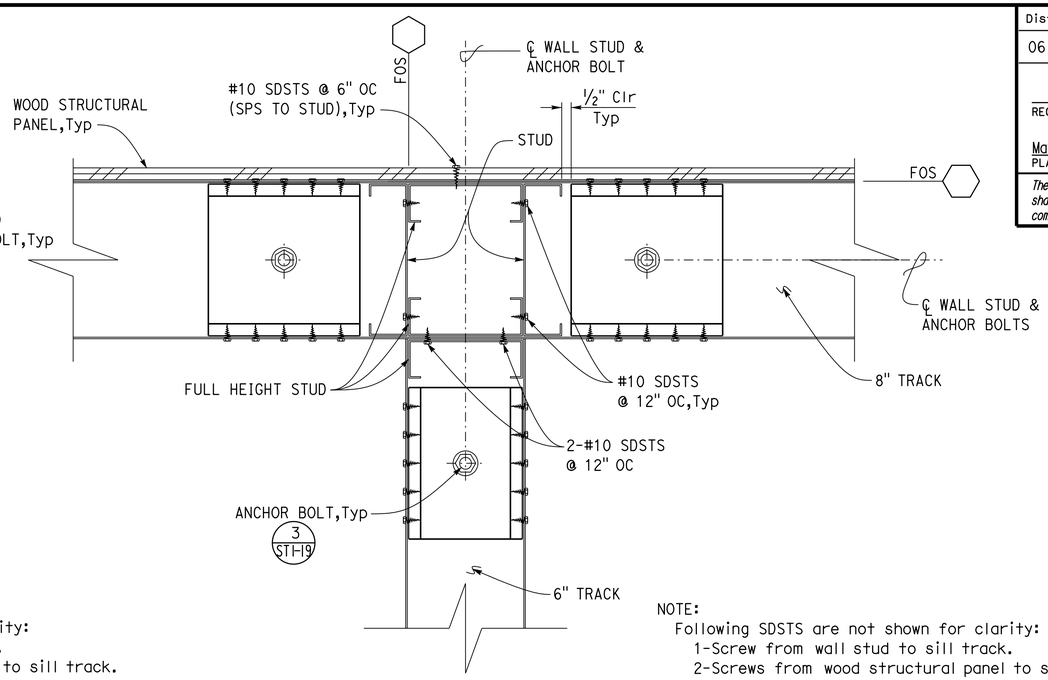


NOTE:
Following SDSTS are not shown for clarity:
1-Screw from wall stud to sill track.
2-Screws from wood structural panel to sill track.

1 WALL CORNER DETAIL WITHOUT HOLDDOWN

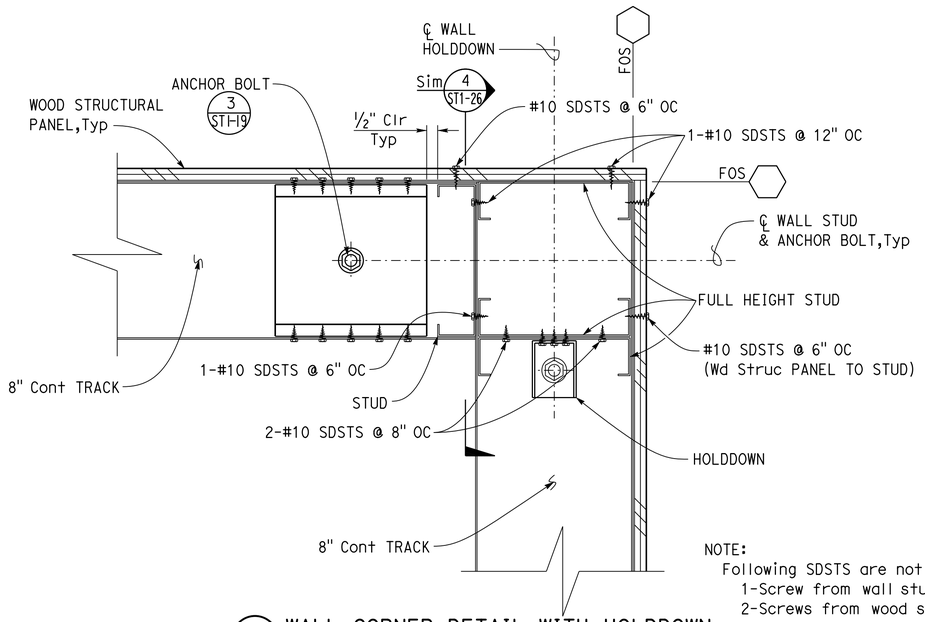
SCALE 3" = 1'-0"



NOTE:
Following SDSTS are not shown for clarity:
1-Screw from wall stud to sill track.
2-Screws from wood structural panel to sill track.

3 WALL INTERSECTION DETAIL WITHOUT HOLDDOWN

SCALE 1½" = 1'-0"



NOTE:
Following SDSTS are not shown for clarity:
1-Screw from wall stud to sill track.
2-Screws from wood structural panel to sill track.

2 WALL CORNER DETAIL WITH HOLDDOWN

SCALE 3" = 1'-0"

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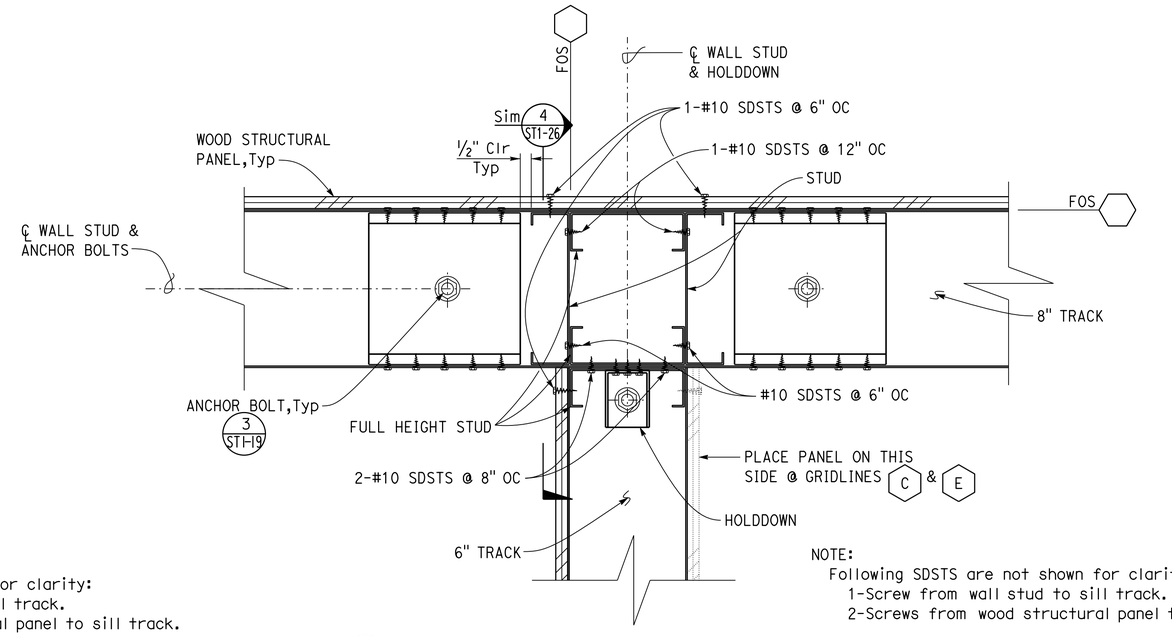

NOTE:
Following SDSTS are not shown for clarity:
1-Screw from wall stud to sill track.
2-Screws from wood structural panel to sill track.

4 WALL INTERSECTION DETAIL WITH HOLDDOWN

SCALE 3" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		160	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — WALL DETAILS

SHEET ST1-27

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
10-13-22 10-28-22 01-25-23 02-22-23 02-28-23	V2	29	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		161	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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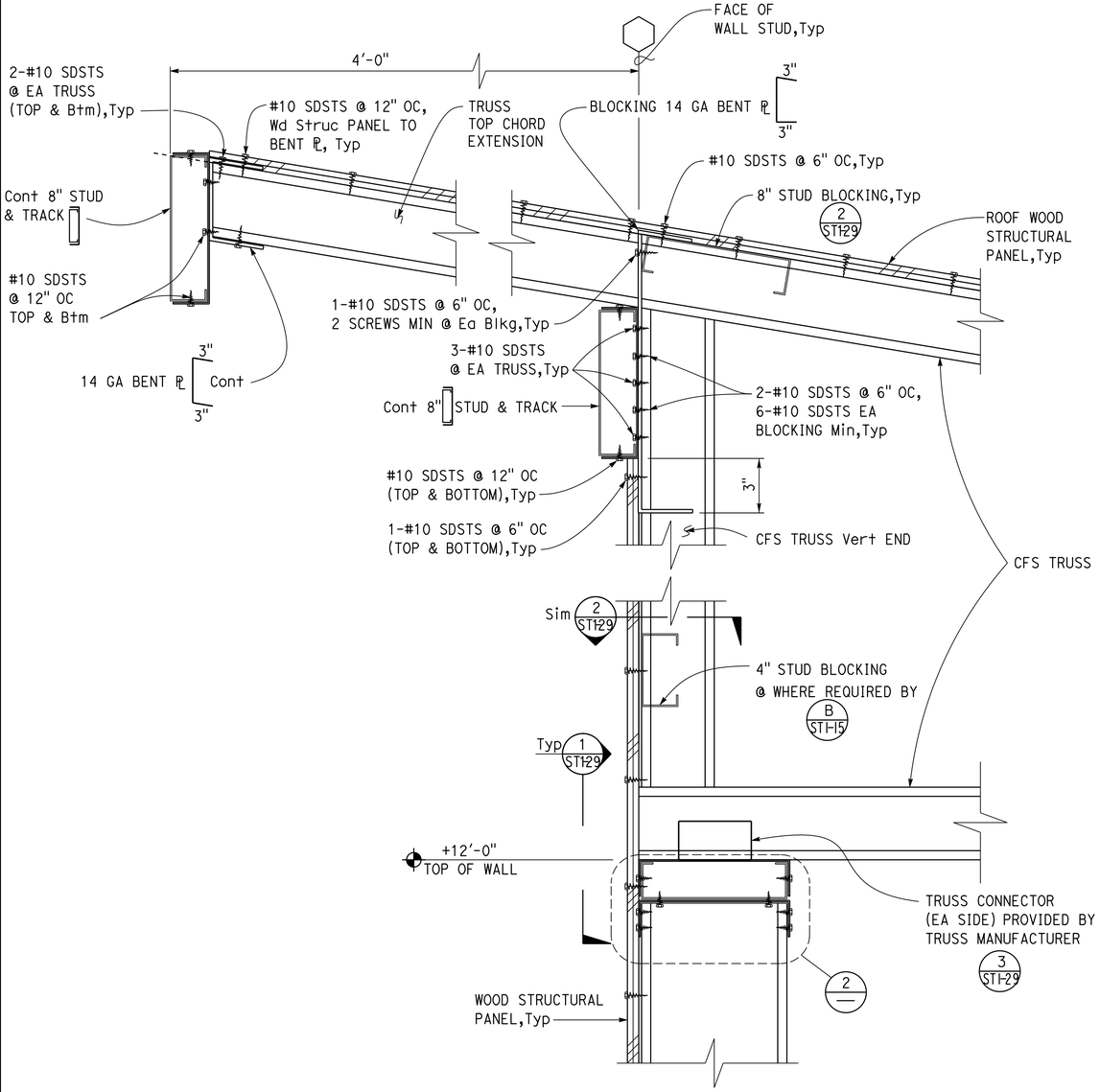
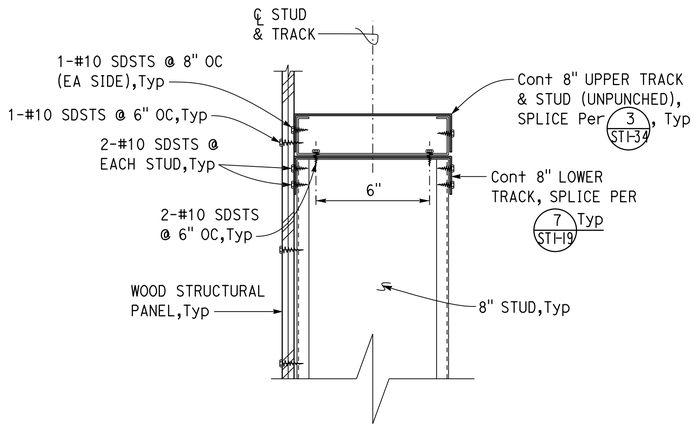


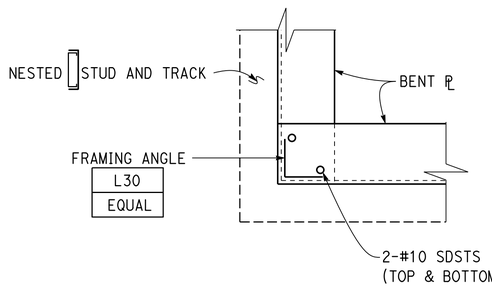
NOTE:
Canopy not shown for clarity.

1 FRAMING DETAIL
SCALE 3" = 1'-0"



2 FRAMING DETAIL
SCALE 3" = 1'-0"

3 FRAMING DETAIL
SCALE 3" = 1'-0"



4 CORNER ROOF FRAMING DETAIL
SCALE 3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — FRAMING DETAILS

SHEET ST1-28

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
11-01-22 11-07-22 01-03-23 01-26-23 02-22-23 04-13-23 04-21-23 08-04-23	V2	30	57

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		162	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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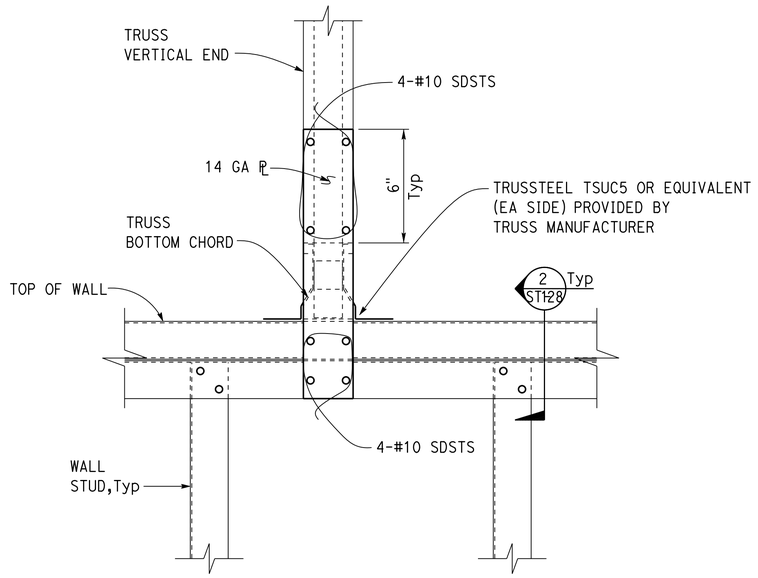
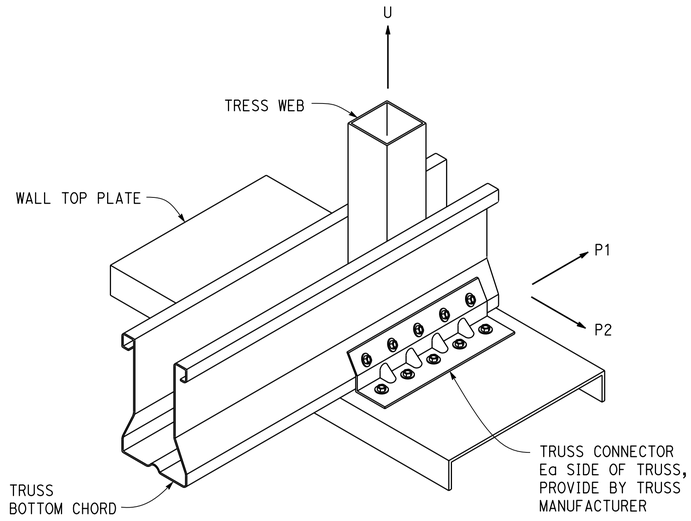
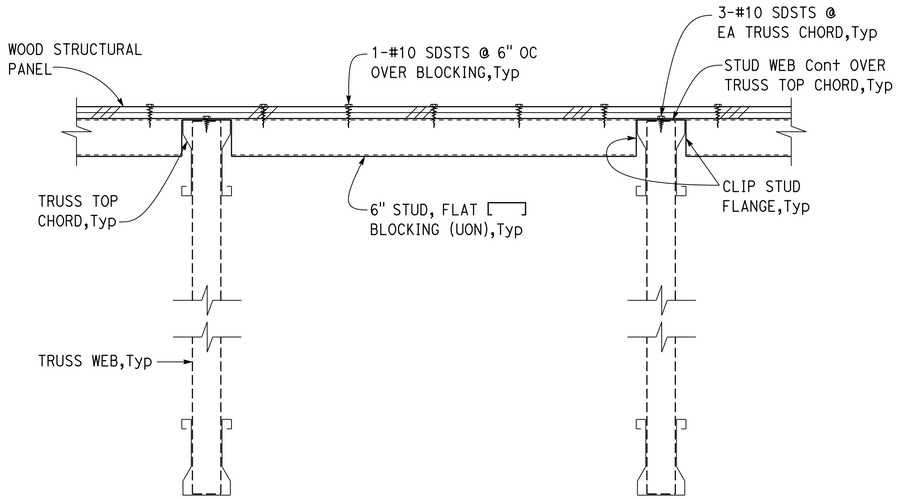


1 TRUSS CHORD TO WALL CONNECTION DETAIL
SCALE 3" = 1'-0"





2 STUD BLOCKING @ TRUSS DETAIL
SCALE 3" = 1'-0"

NOTES:
1. Maximum Allowable Loads:

   Connector on each side of truss
   P1 = 1300 lbs.
   P2 = 1000 lbs.
   Uplift U = 1700 lbs.

2. The allowable loads have not been increased by 1.33.

3 TRUSS CONNECTOR
NO SCALE

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FRAMING DETAILS

SHEET **ST1-29**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 11-09-22 01-25-23 02-17-23 02-22-23 02-27-23 03-01-23 04-10-23 04-27-23

VERSION	SHEET	OF
V2	31	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		163	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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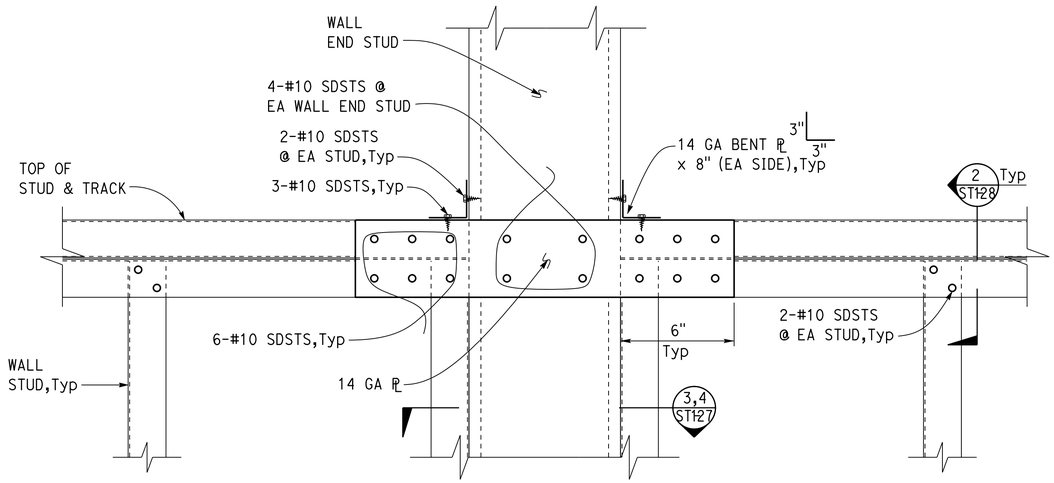
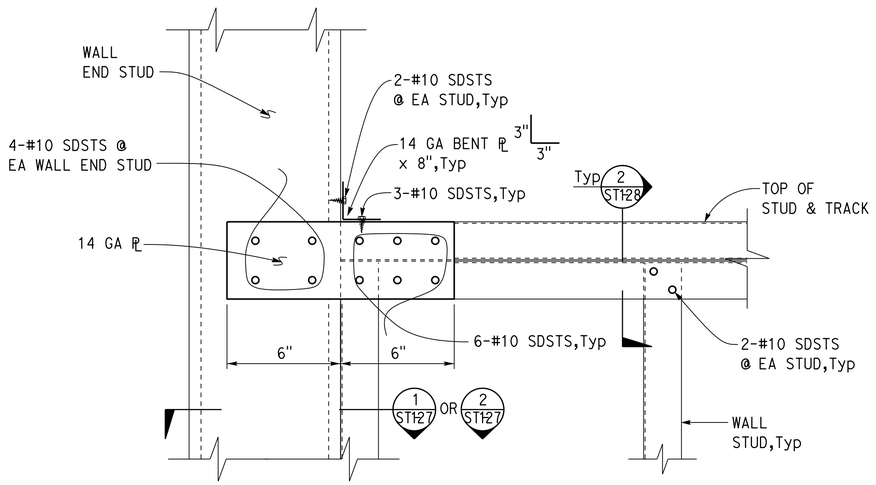
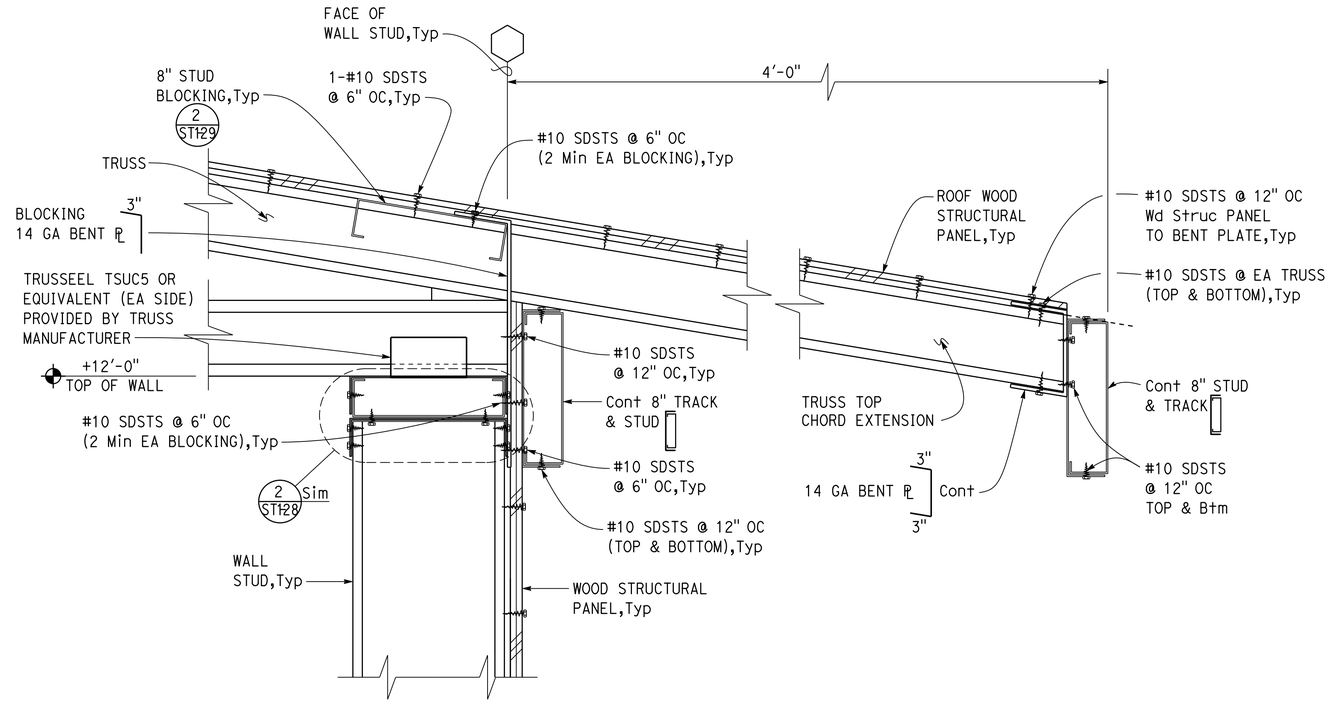


1 WALL FRAMING DETAIL
SCALE 3" = 1'-0"



2 END WALL FRAMING DETAIL
SCALE 3" = 1'-0"



3 FRAMING DETAIL
SCALE 3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — FRAMING DETAILS

SHEET ST1-30

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
08-04-23	11-30-22	01-03-23	01-10-23	02-15-23	02-22-23	04-14-23	04-27-23	V2	32	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		164	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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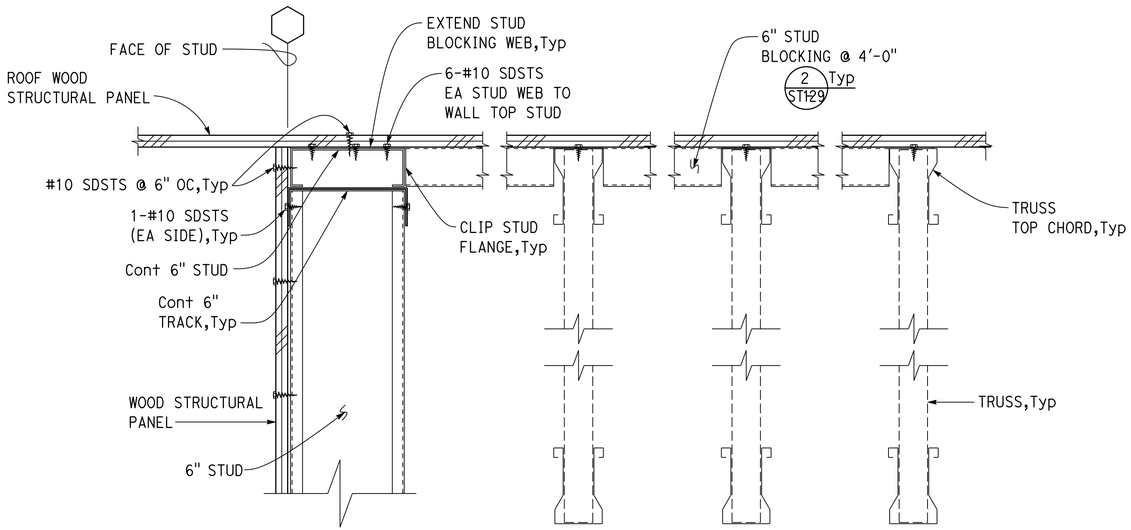
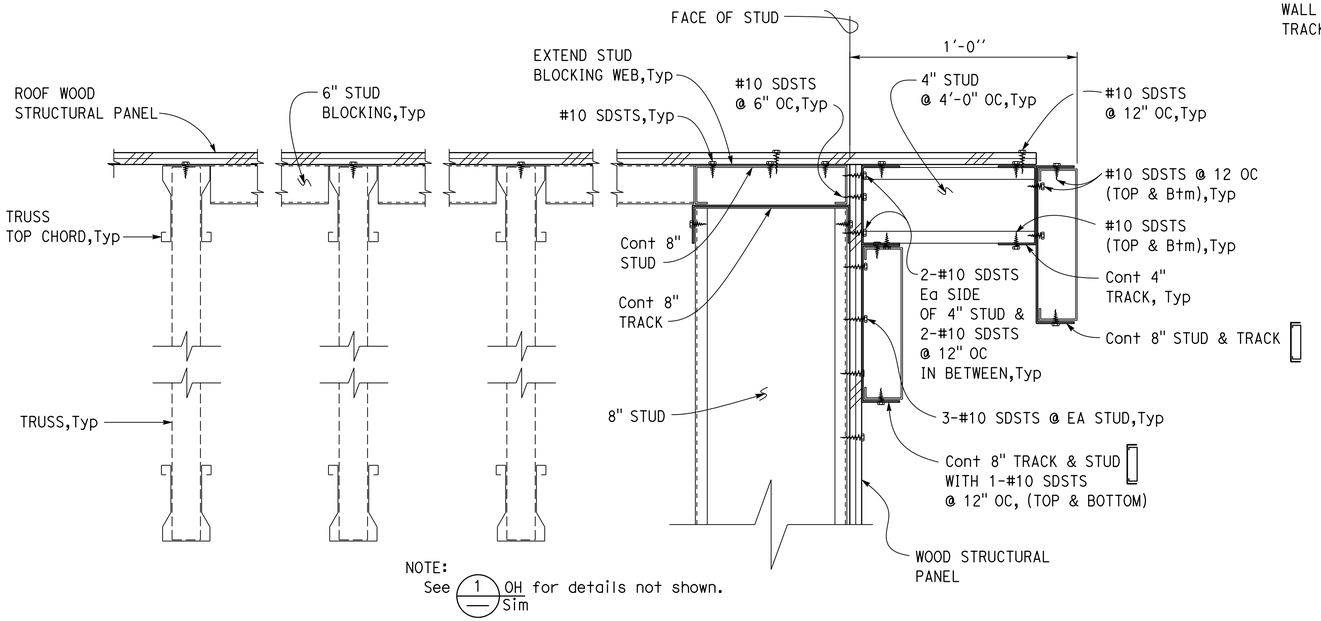


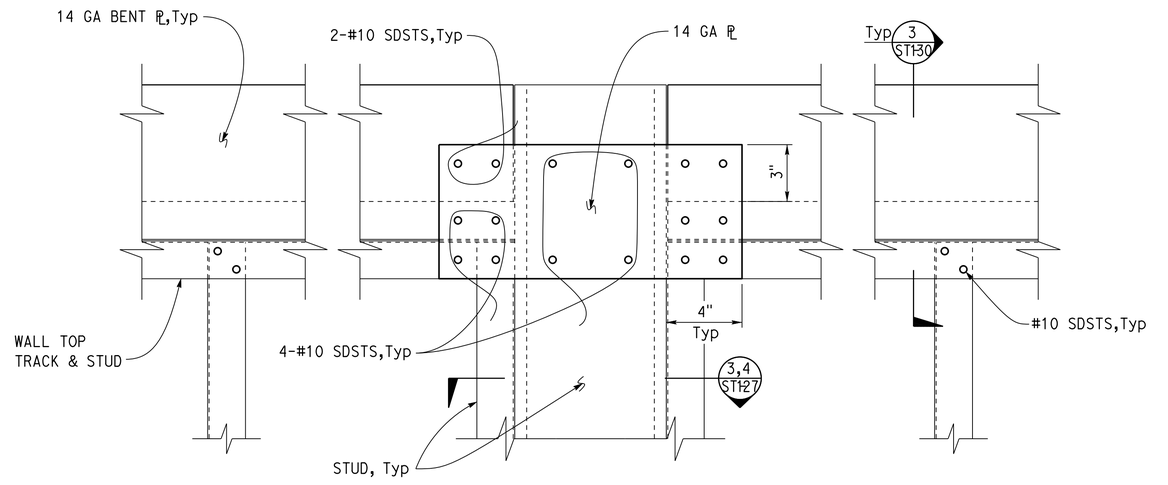
NOTE:
See 3 ST128 Sim for details not shown.

1 FRAMING DETAIL
SCALE 3" = 1'-0"



NOTE:
See 1 — OH Sim for details not shown.

2 OVERHANG FRAMING DETAIL
SCALE 3" = 1'-0"



NOTE:
Wood Structural panel, continuous track & stud not shown for clarity.

3 WALL FRAMING DETAIL
SCALE 3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FRAMING DETAILS

SHEET ST1-31

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 11-16-22 11-30-22 12-06-22 01-26-23 02-17-23 02-22-23 04-14-23 08-04-23

VERSION	SHEET	OF
V2	33	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		165	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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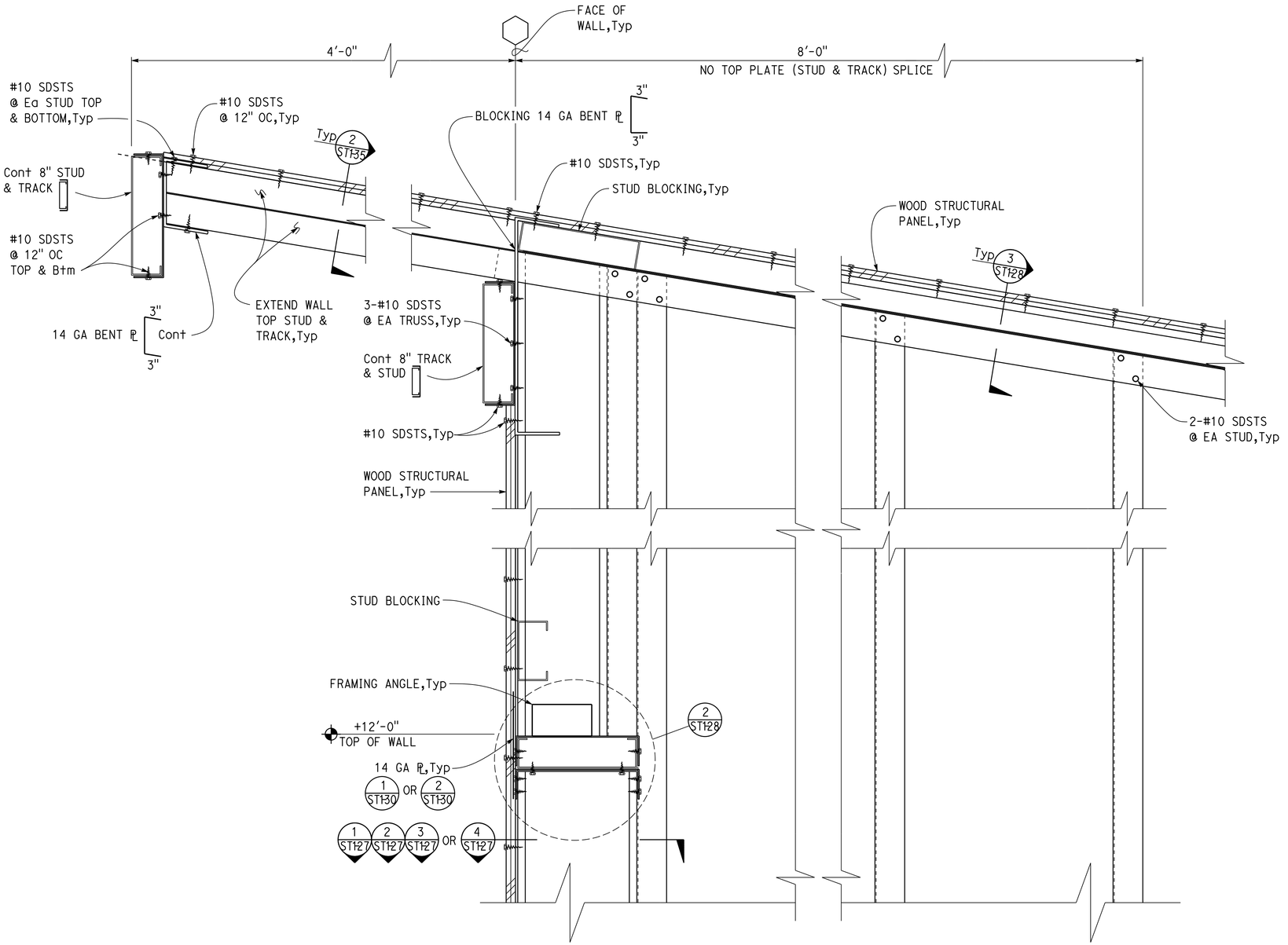

NOTE:
For details not shown, see 1 ST1.28 Sim

1 FRAMING DETAIL
SCALE 3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — FRAMING SECTION

SHEET ST1-32

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 11-29-22 12-06-22 01-10-23 02-22-23 04-14-23 04-27-23 08-18-23

VERSION	SHEET	OF
V2	34	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		166	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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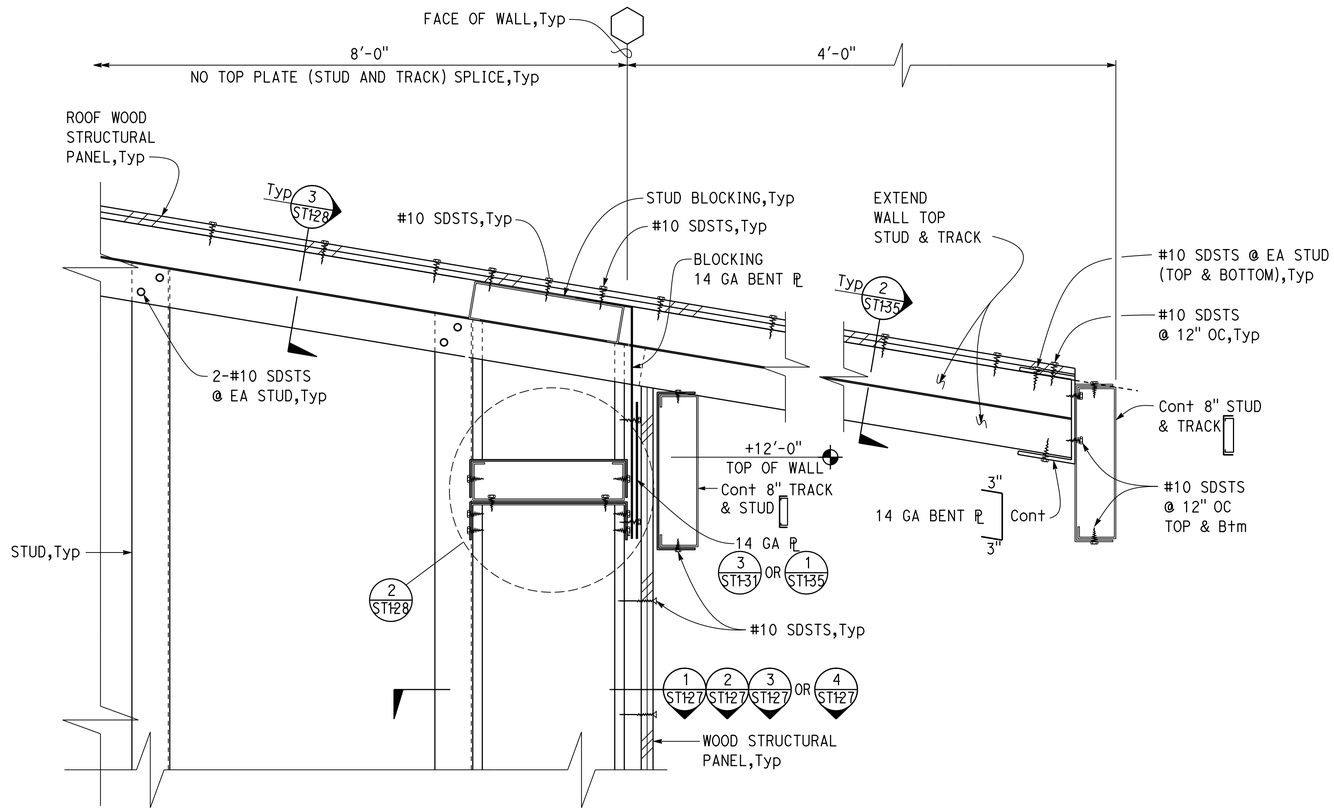

NOTE:
For details not shown, see 3 ST1-30 Sim

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

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FRAMING DETAILS

SHEET **ST1-33**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 11-30-22 12-06-22 01-11-23 02-13-23 02-22-23 04-14-23 08-18-23

VERSION	SHEET	OF
V2	35	57

7-JUL-2025 17:17

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		167	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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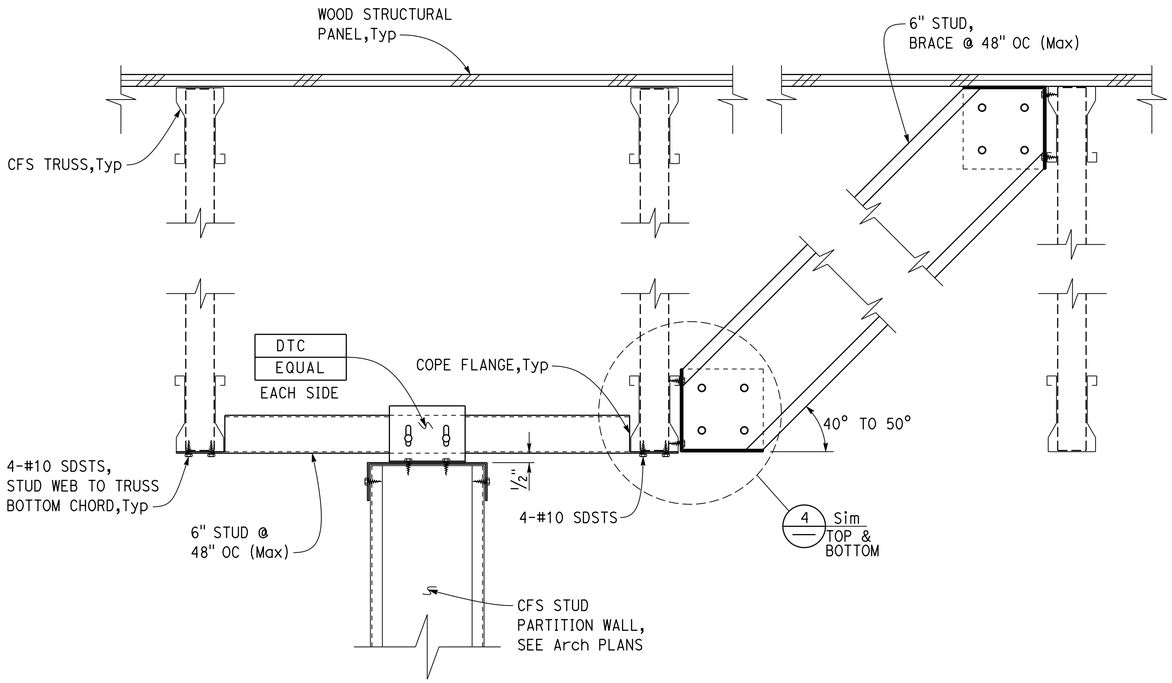
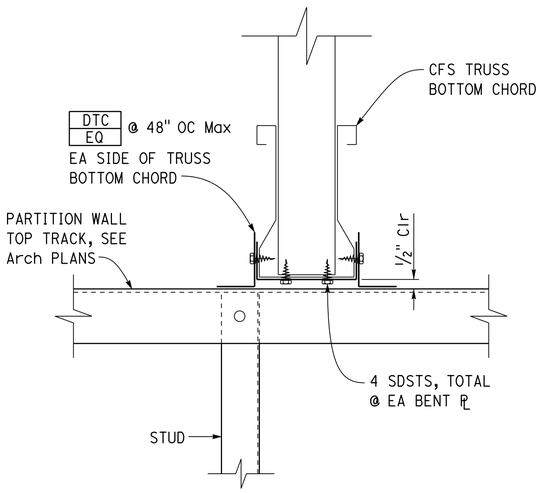
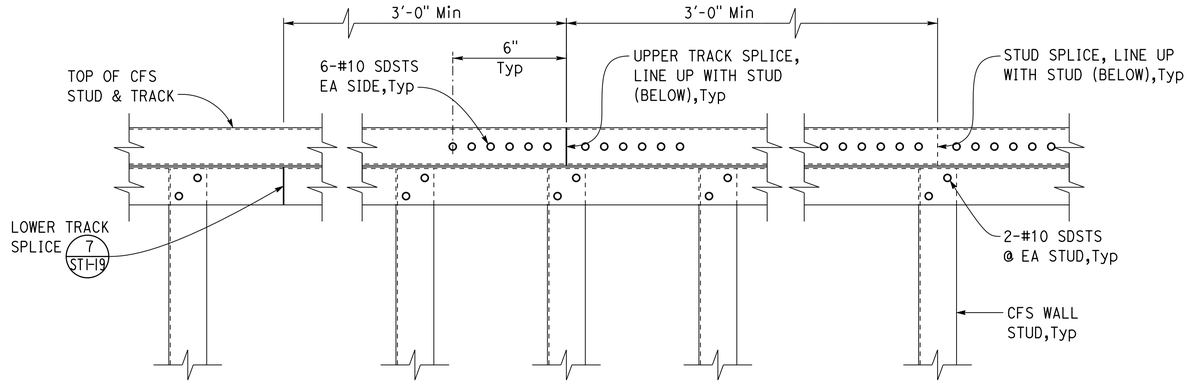


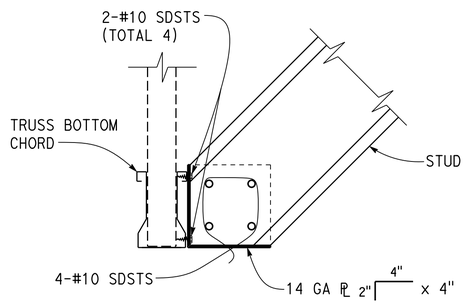
1 PARTITION WALL CONNECTION
SCALE 3" = 1'-0"



2 PARTITION WALL CONNECTION
NO SCALE



3 WALL TOP SPLICE DETAIL
3" = 1'-0"



4 DIAGONAL BRACE DETAIL
3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE
BUILDING — COLD-FORMED STEEL WALL AND CEILING FRAMING

SHEET ST1-34

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-06-22 03-28-23 04-10-23 04-20-23 04-26-23	V2	36	57

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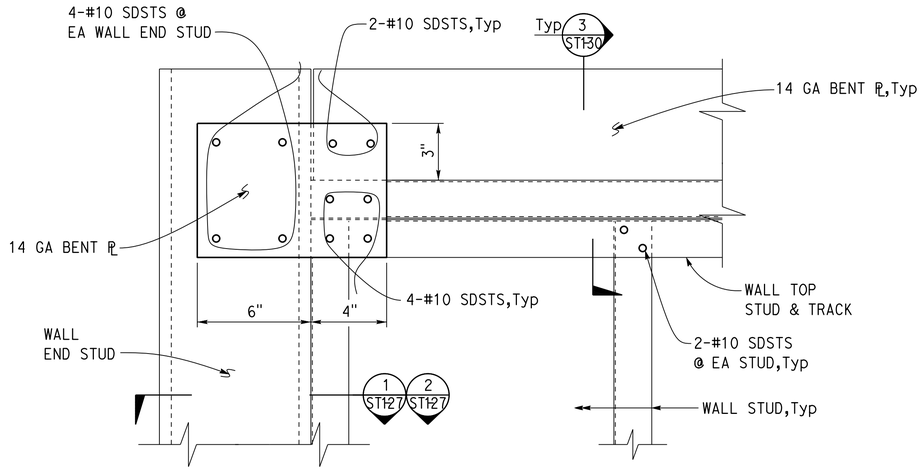
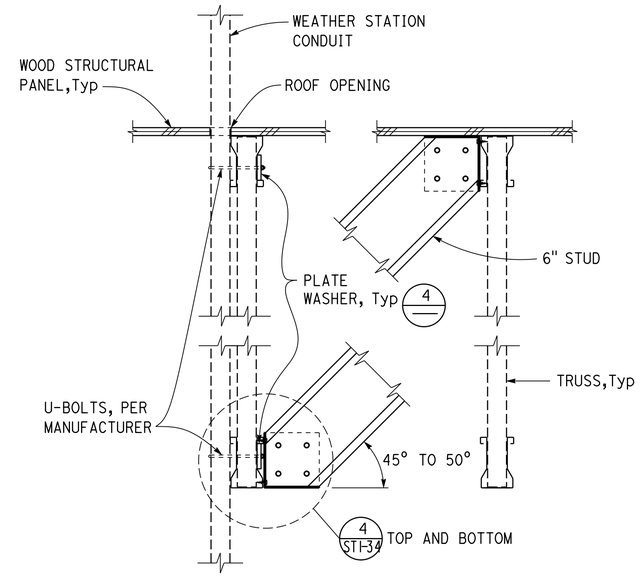


NOTE:
Wood structural panel not shown for clarity.

1 END WALL FRAMING DETAIL
SCALE 3" = 1'-0"



NOTE:
Locate weather station so that the U-bolt will not interfere with the connection between truss web member and truss chord.

3 WEATHER STATION DETAIL
SCALE 2" = 1'-0"

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		168	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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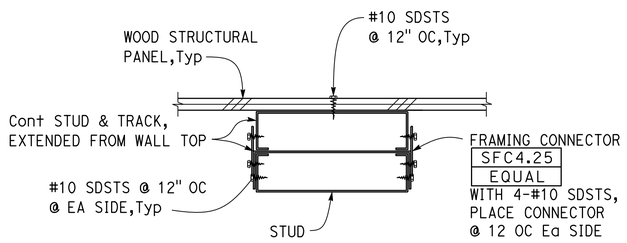
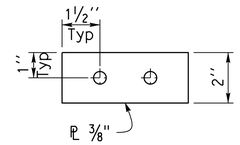


2 END WALL FRAMING DETAIL
SCALE 3" = 1'-0"



4 PLATE WASHER
4" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET ST1-35	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3	BUILDING	MISCELLANEOUS DETAILS		
QUANTITIES	BY	CHECKED							

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 12-01-22 12-06-22 01-06-23 01-26-23 02-02-23 02-22-23 04-14-23 04-24-23 04-27-23

VERSION	SHEET	OF
V2	37	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		169	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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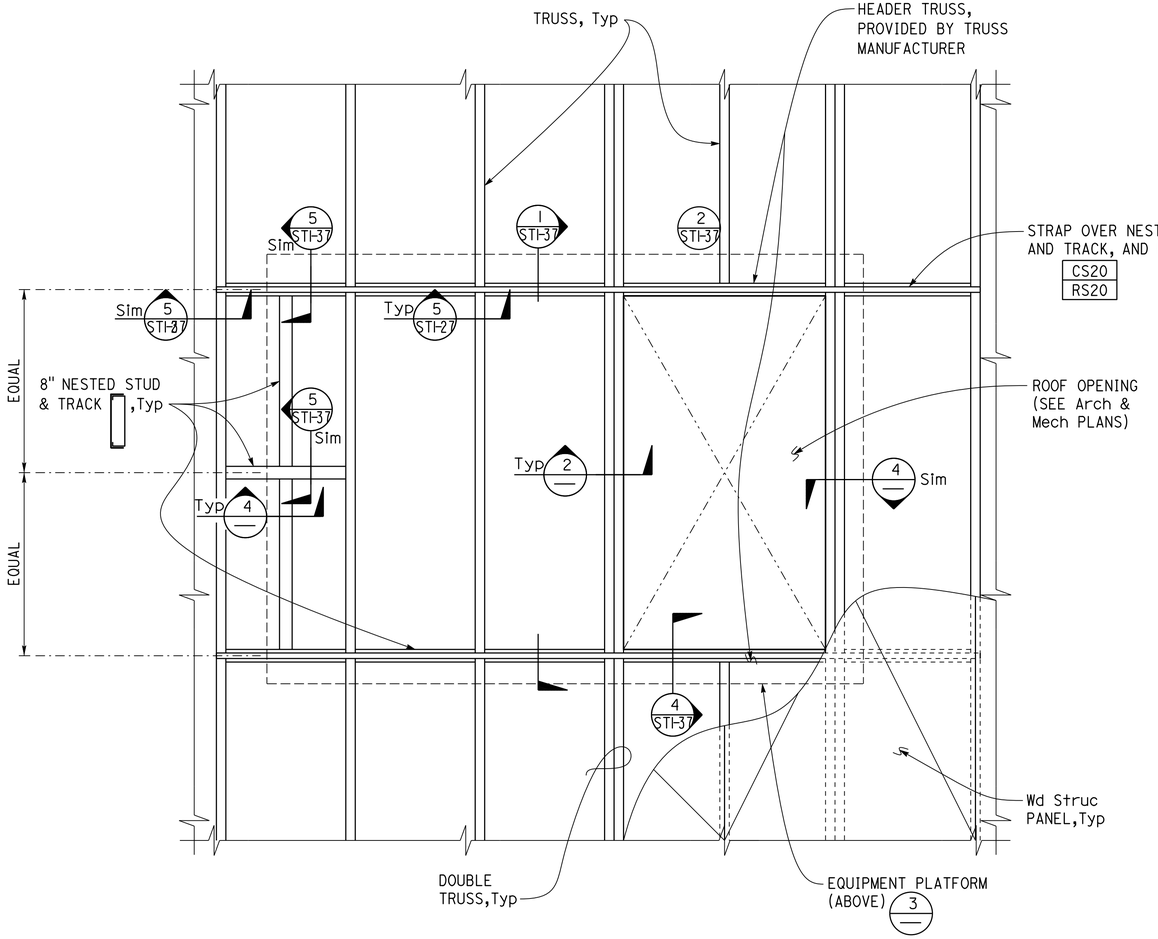
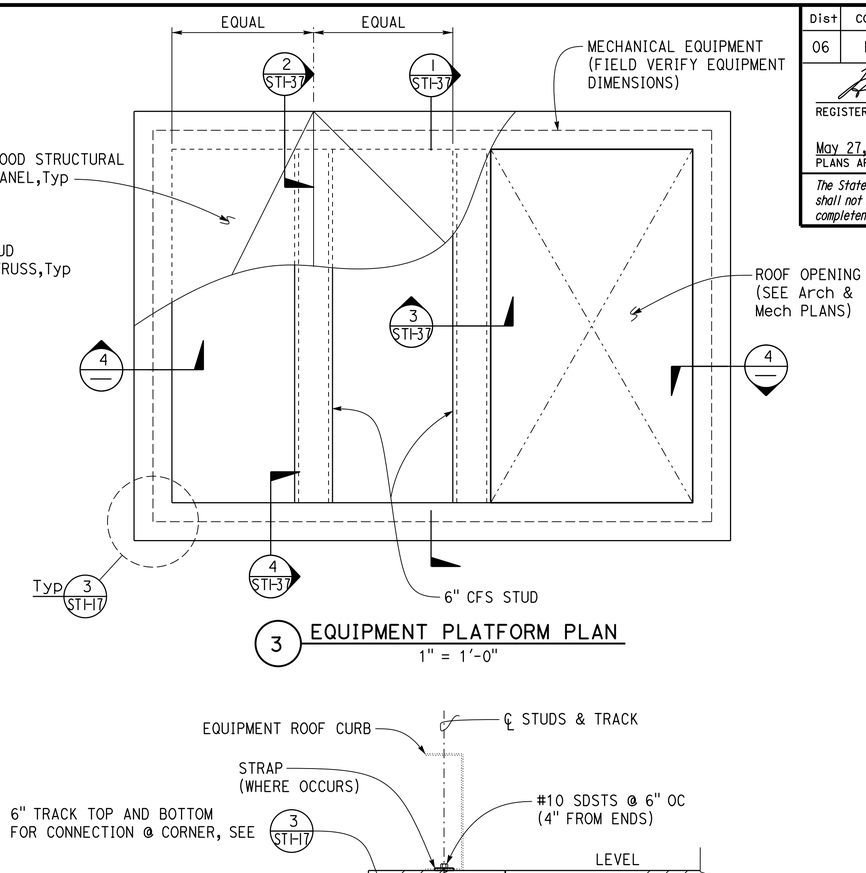
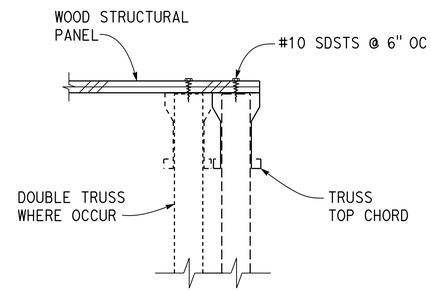


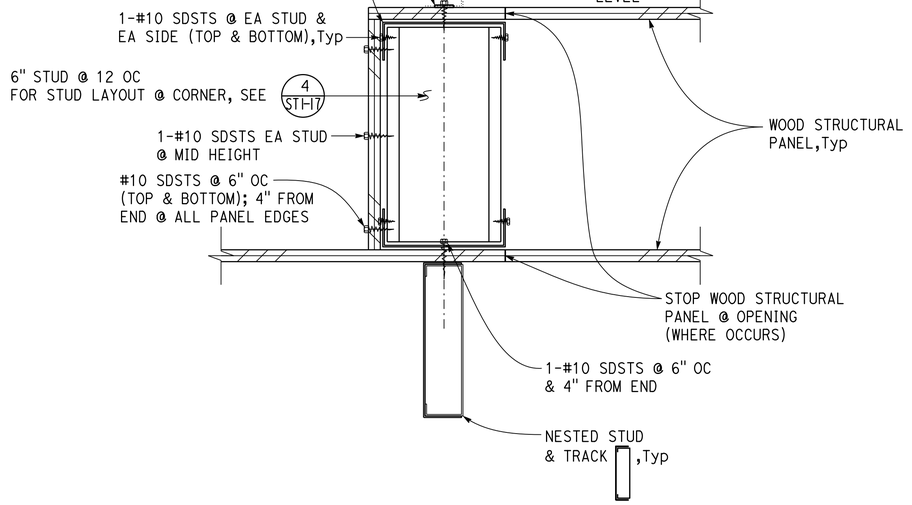
1 EQUIPMENT PLATFORM PLAN @ ROOF LEVEL
1" = 1'-0"



3 EQUIPMENT PLATFORM PLAN
1" = 1'-0"



2 ROOF OPENING FRAMING DETAIL
3" = 1'-0"



4 EQUIPMENT PLATFORM DETAIL
3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET ST1-36
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3	BUILDING / FRAMING PLANS & DETAILS	
QUANTITIES	BY	CHECKED					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
03-30-23 04-07-23 04-24-23 04-27-23	V2	38	57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		170	289

REGISTERED CIVIL ENGINEER — 07-10-24 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

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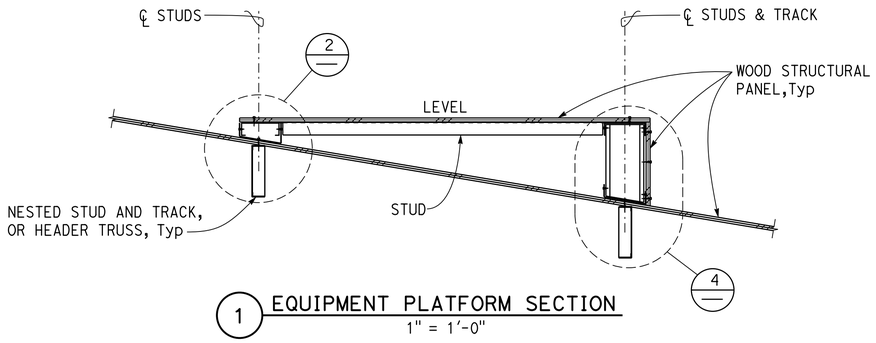
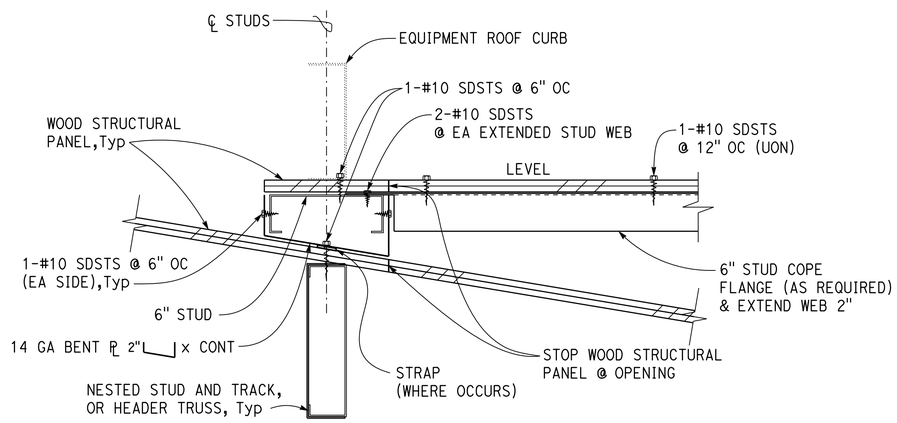
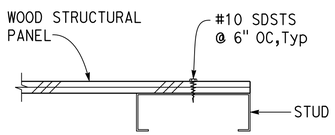


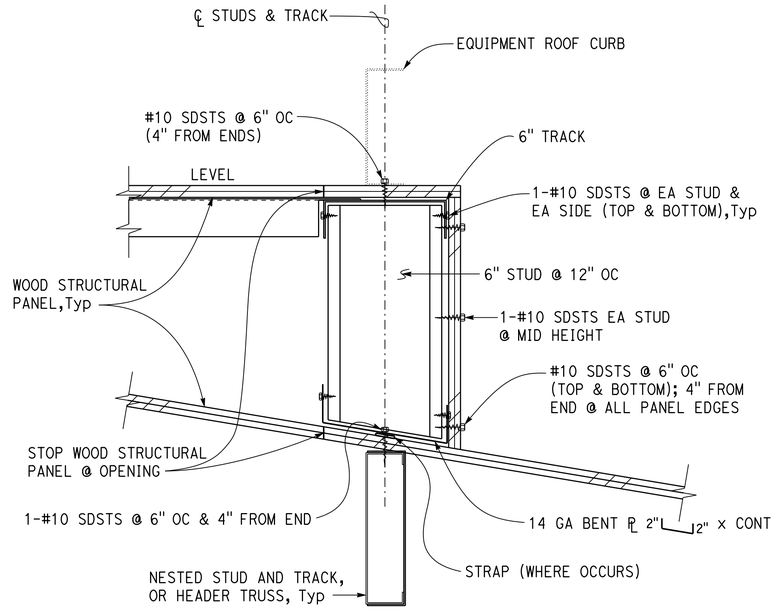
1 EQUIPMENT PLATFORM SECTION
1" = 1'-0"



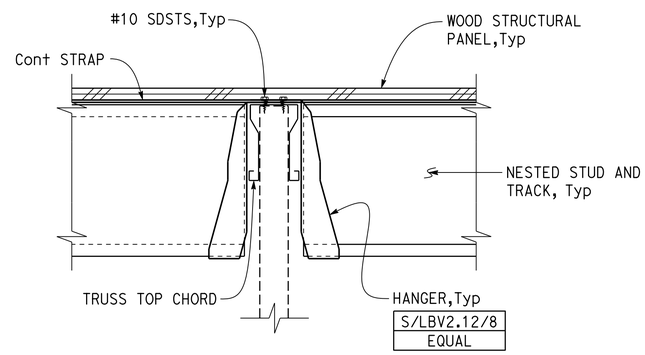
2 EQUIPMENT PLATFORM DETAIL
3" = 1'-0"



3 BLOCKING DETAIL
3" = 1'-0"



4 EQUIPMENT PLATFORM DETAIL
3" = 1'-0"



5 CONNECTION DETAIL
3" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FRAMING DETAILS

SHEET ST1-37

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
04-06-23 04-21-23 04-25-23 04-27-23	V2	39	57

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		171	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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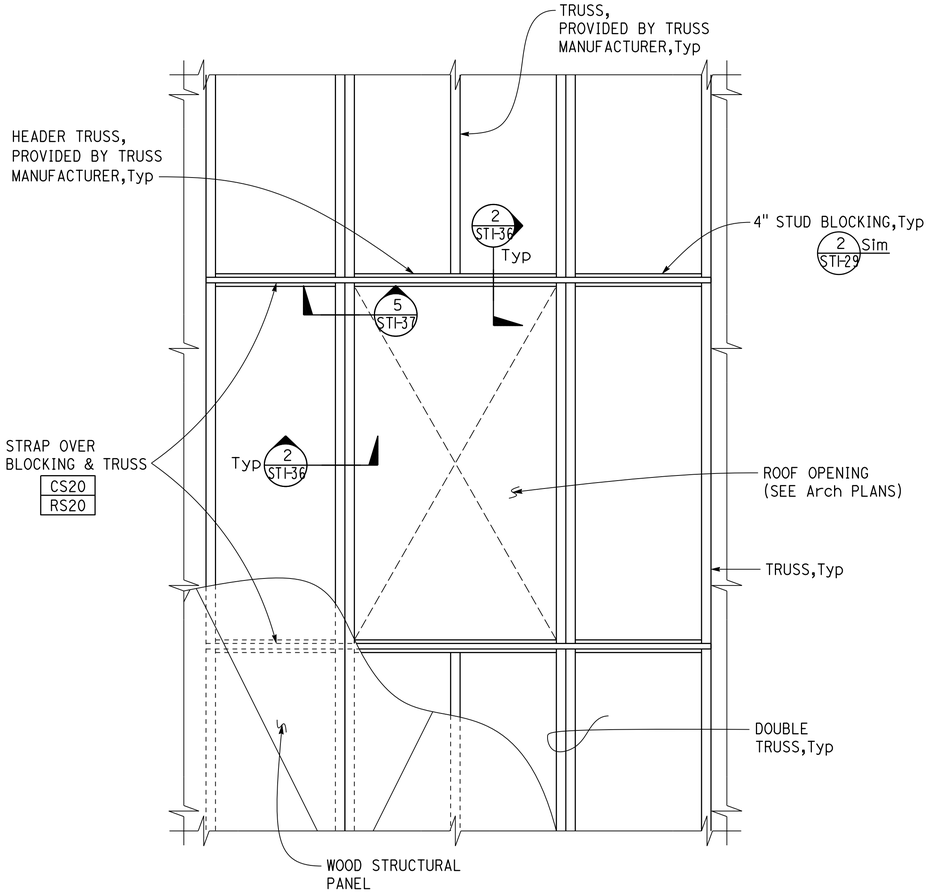

1 ROOF OPENING FRAMING DETAIL
1" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — FRAMING PLAN & DETAIL

SHEET ST1-38

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 04-05-23 04-21-23 04-25-23 04-27-23 07-07-23

VERSION V2 | SHEET 40 | OF 57

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		172	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

PLANS APPROVAL DATE May 27, 2025

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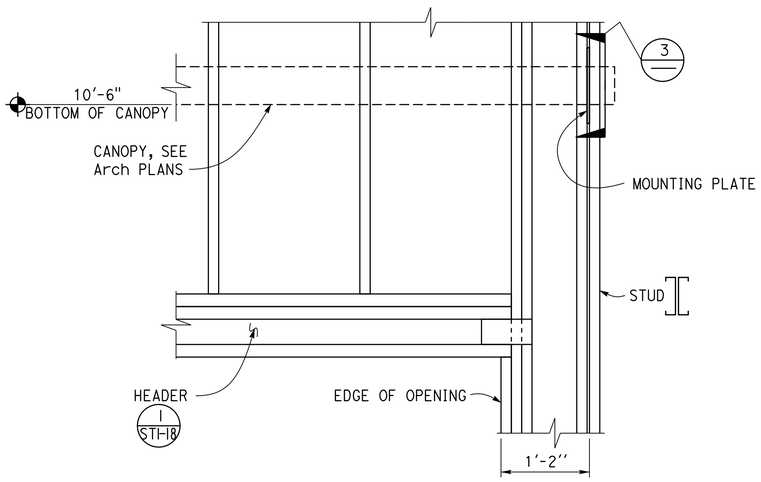
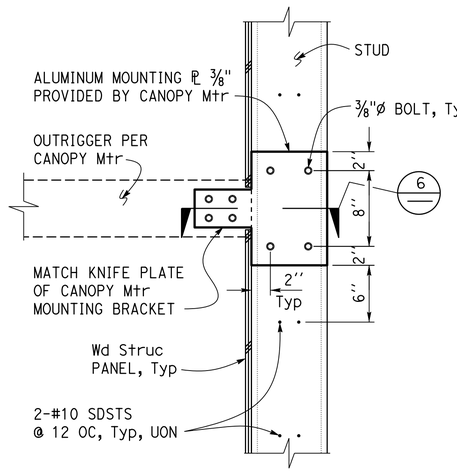
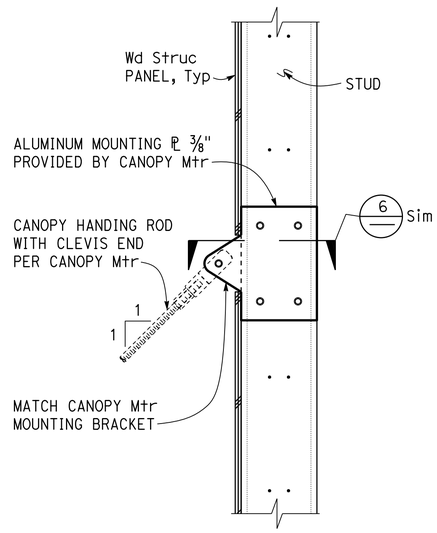


1 CANOPY DETAIL
1" = 1'-0"



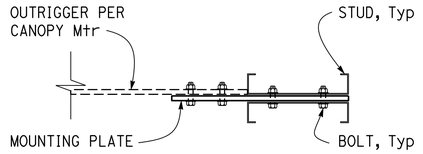
NOTE:
Actual mounting plate may differ.

3 BRACKET DETAIL
1½" = 1'-0"

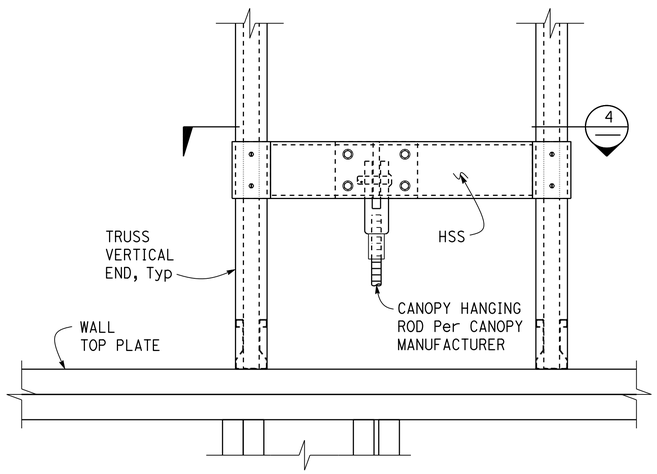


NOTE:
For information not shown see 3.

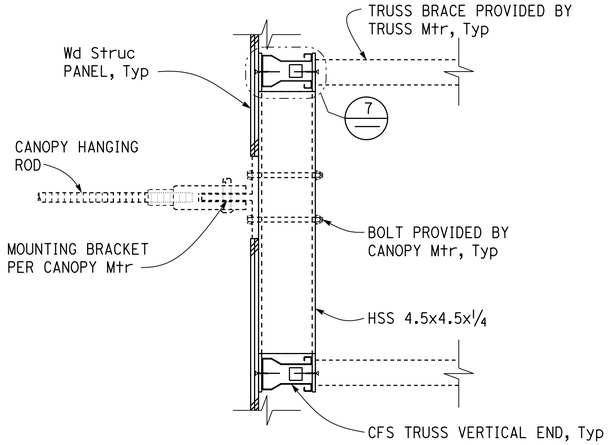
5 BRACKET DETAIL
1½" = 1'-0"



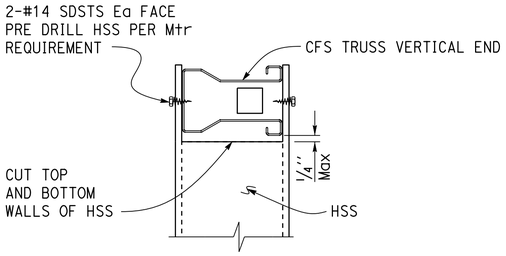
6 SECTION
2" = 1'-0"



2 CANOPY DETAIL
2" = 1'-0"



4 BLOCKING DETAIL
2" = 1'-0"



7 HSS CUT DETAIL
4" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING — CANOPY DETAILS

SHEET ST1-39

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 07-05-23 08-18-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-05-23 08-18-23	V2	41	57

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		173	289

REGISTERED CIVIL ENGINEER — DATE 07-10-24

REGISTERED PROFESSIONAL ENGINEER — Gang Hong — No. 60406 — Exp. 6-30-26 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

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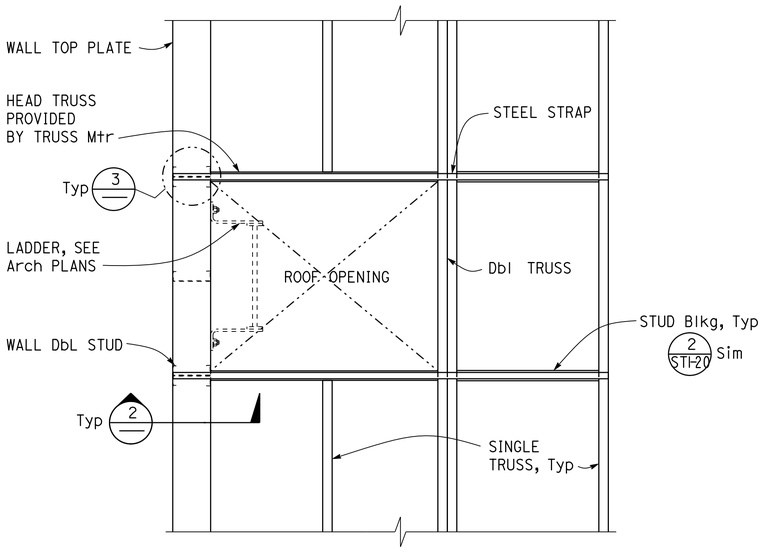
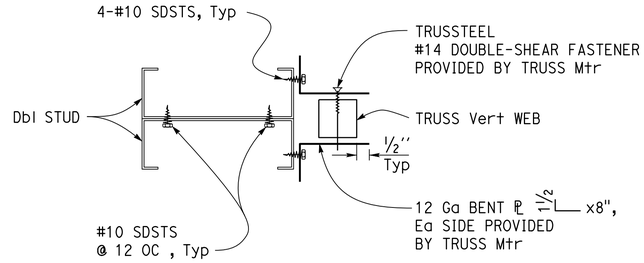
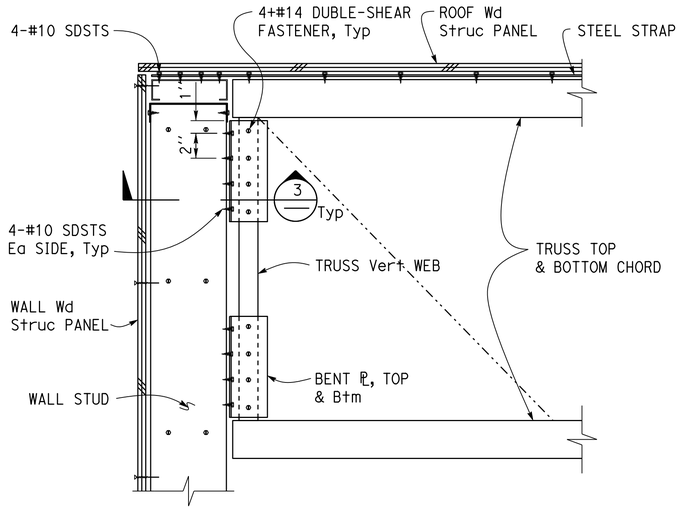


NOTE:
For information not shown see 1/STI-38.

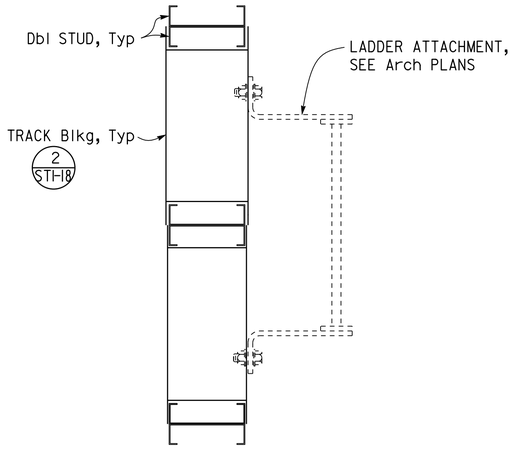
1 ROOF ACCESS PLAN
1" = 1'-0"



3 SECTION
4" = 1'-0"



2 TRUSS TO WALL CONNECTION
2" = 1'-0"



4 BLOCKING DETAIL
2" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ARCHITECTURAL AND STRUCTURAL DESIGN	BRIDGE No.
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG			POST MILE 23.3
QUANTITIES	BY	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE — BUILDING — ROOF ACCESS DETAILS — SHEET ST1-40

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
07-31-23	V2	42	57

TAEMWW Imperial - CCSC Rev. 12/20

7-JUL-2025 17:17

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PROJECT DESIGN CRITERIA

The building work on this project has been designed to conform to the 2022 California Building Code (2021 IBC).

LOADS

SEISMIC: Risk Category = II

Importance Factor I = 1.0

Site Soil Class = C

S_S = 0.613 S_{DS} = 0.513

S_1 = 0.235 S_{D1} = 0.235

Seismic Design Category = D

Seismic Force-Resisting System:

MATERIALS

REINFORCED CONCRETE: (Ultimate Strength Design) :

f'c = 3,600 psi

fy = 60,000 psi

FOUNDATION:

Soils report dated : April 14, 2023

Allowable Soil Pressure (DL + LL) : = 2,000 psf

For Soil Classification, see "Log of Test Boring" Sheets.

APPROVED FOR STRUCTURAL WORK ONLY

DETAIL NOTES

1. For Concrete see:
   "Concrete Standard"
2. All bolts must be hex head machine bolts, with hex head nuts; unless otherwise noted.
3. All lock washers must be helical spring lock washers.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		174	289

07-10-24
REGISTERED CIVIL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
STATE OF CALIFORNIA

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

	BY	CHECKED
DESIGN	GANG HONG	SANCHIT POUDEL
DETAILS	ALEKSEY SERIN	GANG HONG
QUANTITIES		

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.

POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

LIFT STATION | DESIGN CRITERIA & DETAIL NOTES

SHEET ST2-0

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
~~04-11-23~~ 04-26-23	V1	43	57

7-JUL-2025 17:18

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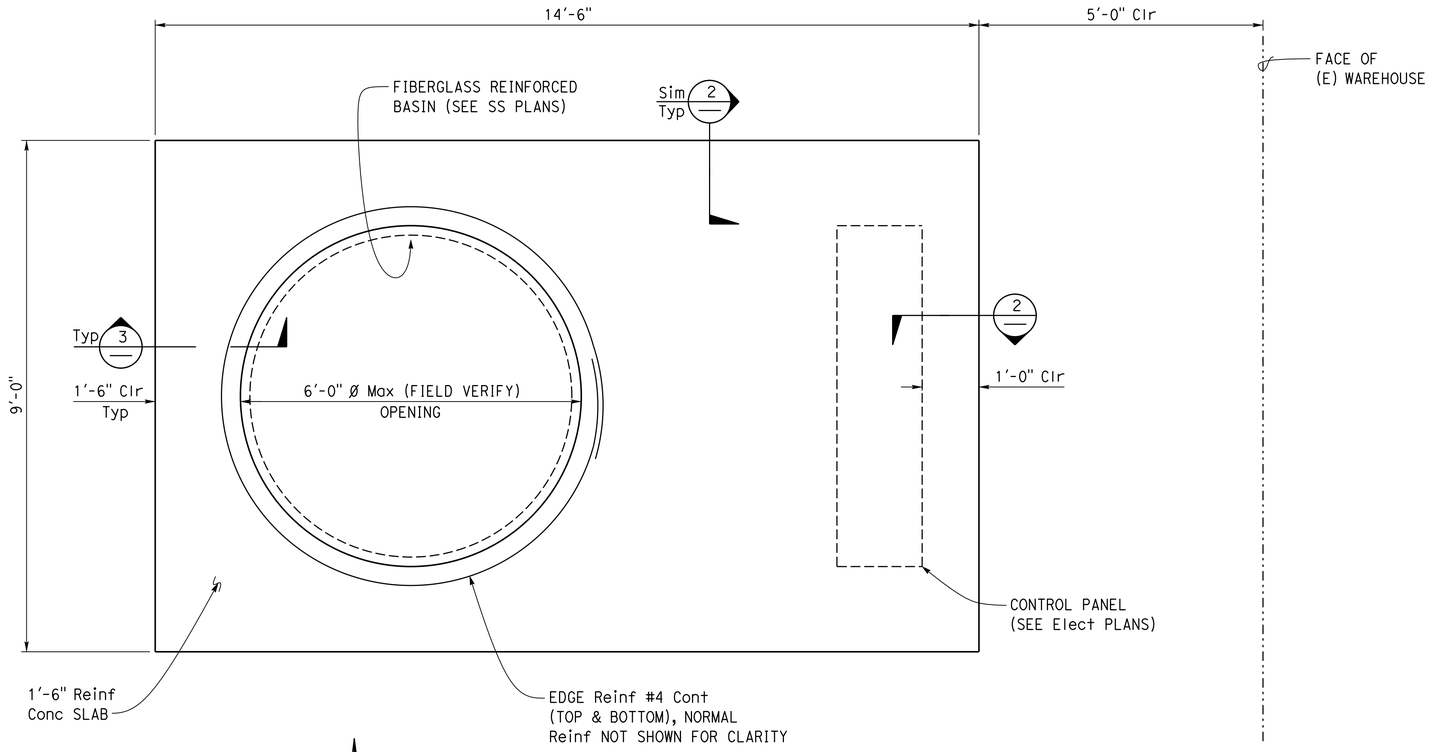
Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		175	289

07-10-24
REGISTERED CIVIL ENGINEER — DATE

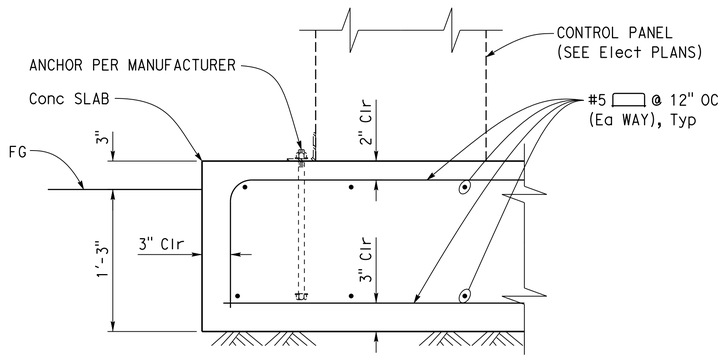
Gang Hong
No. 60406
Exp. 6-30-26
CIVIL
REGISTERED PROFESSIONAL ENGINEER
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

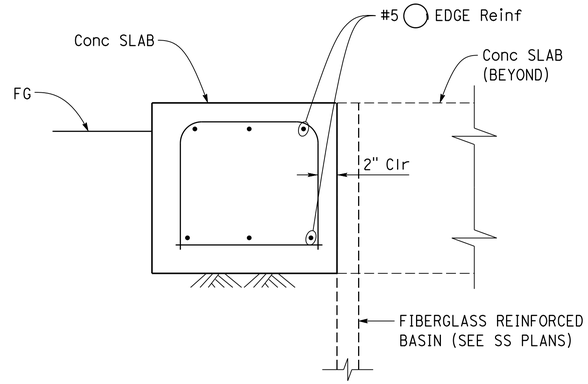
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.



1 CONCRETE SLAB PLAN
3/4" = 1'-0"



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



NOTE:
For information not shown, see 2 Sim

3 CONCRETE SLAB SECTION
1 1/2" = 1'-0"

APPROVED FOR STRUCTURAL WORK ONLY

DESIGN	BY GANG HONG	CHECKED SANCHIT POUDEL	
DETAILS	BY ALEKSEY SERIN	CHECKED GANG HONG	
QUANTITIES	BY	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
ARCHITECTURAL AND STRUCTURAL DESIGN

BRIDGE No.
POST MILE 23.3

WEST AVE. MAINTENANCE STATION UPGRADE

LIFT STATION | CONCRETE SLAB PLAN & SECTIONS

SHEET ST2-1

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3599 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
04-18-23 04-25-23	V1	44	57

7-JUL-2025 17:18

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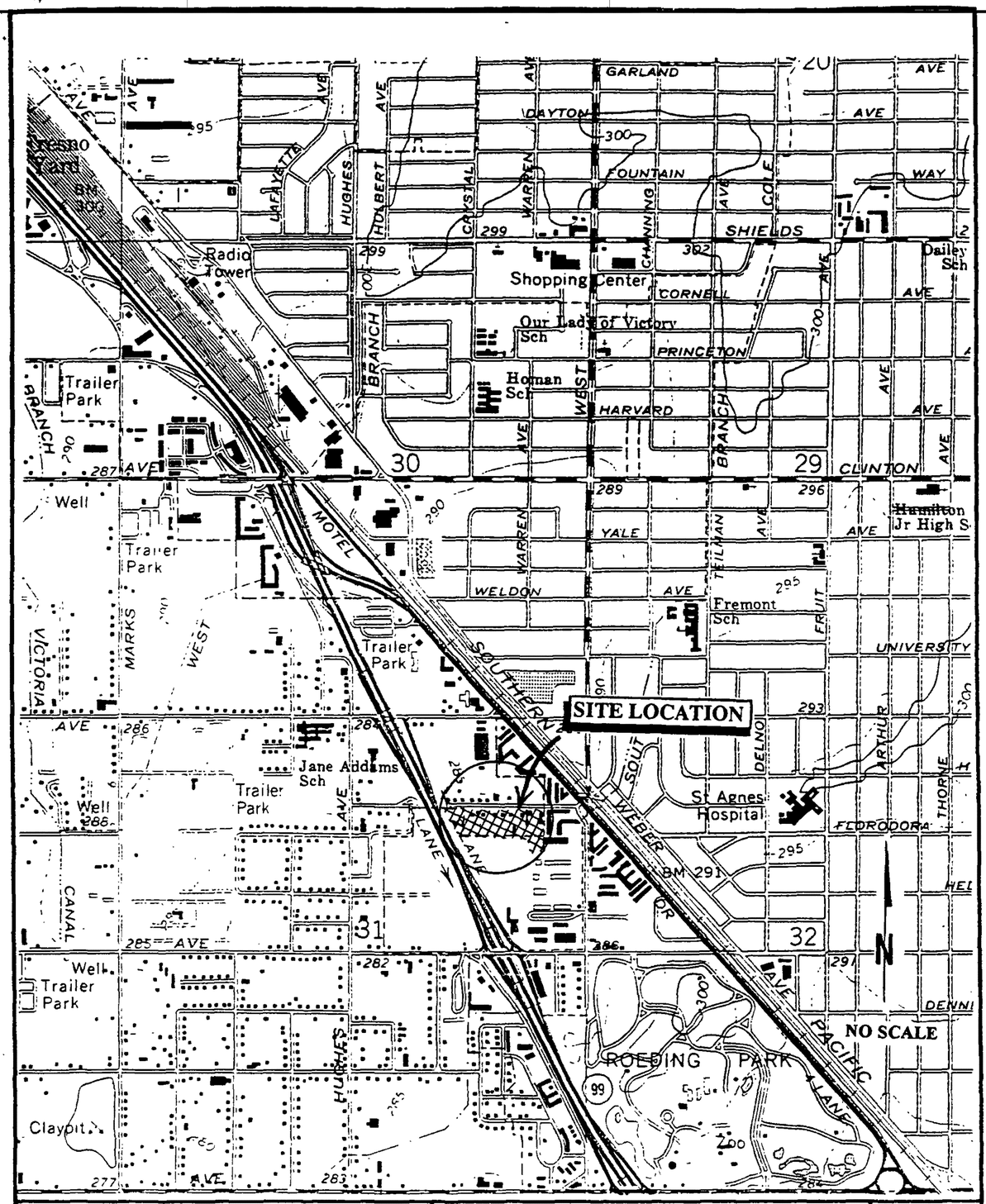


DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		176	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 1 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
45	57

REGISTERED PROFESSIONAL ENGINEER
Abdikarim Ali
No. 86237
Exp. 03-31-27
CIVIL
STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

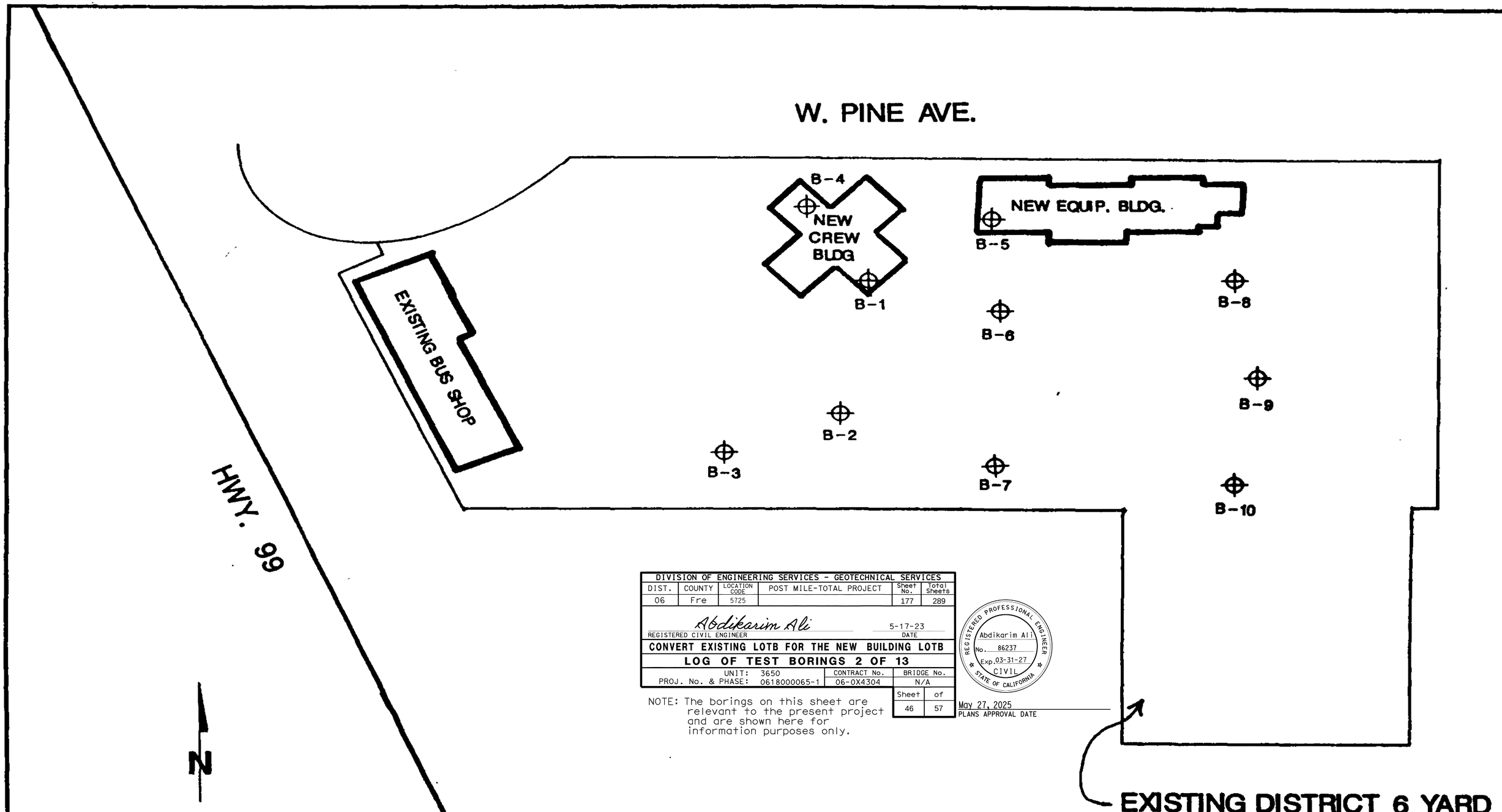
KLEINFELDER

PROJECT NO. 21-1968-02

VICINITY MAP

CALTRANS MAINTENANCE BLDG.
FRESNO, CALIFORNIA

PLATE 1



DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		177	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 2 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
46	57

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

NO SCALE

B-1 DENOTES BORING NUMBER AND APPROXIMATE LOCATION

Prepared from undated plans by CALTRANS

KLEINFELDER

Project Number 21-1968-02

SITE PLAN

CALTRANS MAINTENANCE BLDG.
FRESNO, CALIFORNIA

PLATE 2

M-6A (4/91)

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		Symb.	DESCRIPTION	MAJOR DIVISIONS		Symb.	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	G W	Well-graded gravels or gravel sand mixtures, little or no fines.	FINE GRAINED SOILS	SILTS AND CLAYS LL < 50	M L	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity.
		G P	Poorly-graded gravels or gravel sand mixture, little or no fines.			C L	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays.
		G M	Silty gravels, gravel-sand-silt mixtures.			O L	Organic silts and organic silt-clays of low plasticity.
		G C	Clayey gravels, gravel-sand-clay mixtures.				
	SAND AND SANDY SOILS	S W	Well-graded sands or gravelly sands, little or no fines.		SILTS AND CLAYS LL > 50	M H	Inorganic silts, micaceous or diatomaceous fine or silty soils, elastic silts.
		S P	Poorly-graded sands or gravelly sands, little or no fines.			C H	Inorganic clays of high plasticity, fat clays.
		S M	Silty sands, sands with silt.			O H	Organic clays of medium to high plasticity.
		S C	Clayey sands, sands with clay.	HIGHLY ORGANIC SOILS		P t	Peat and other highly organic soils.

Standard Penetration Split Spoon Sampler
(1.375-inch I.D., 2.0-inch O.D.)

Modified California Split Spoon Sampler
(1.92-inch I.D., 2.42-inch O.D.)

California Split Spoon Sampler
(2.50-inch I.D., 3.00-inch O.D.)

Water Level Observed in Boring

NFWE No Free Water Encountered

* No Recovery

Note 1. The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings. Logs represent the soil section observed at the boring location on the date of drilling only.

Note 2. Split spoon samples driven by 140-pound weight free falling a distance of 30 inches.

KLEINFELDER

PROJECT NO 21-1968-02

BORING LOG LEGEND

PROPOSED MAINTENANCE FACILITY
FRESNO, CALIFORNIA

PLATE **A**

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		178	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 3 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
47	57

REGISTERED PROFESSIONAL ENGINEER
Abdikarim Ali
No. 86237
Exp. 03-31-27
CIVIL
STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 21.5 feet

Surface Conditions: 2" Asphalt Concrete

Groundwater: NFWE

Depth, ft	Sample	Blows/ft	Dry Density pcf	Moisture Content %	Compress. Strength ksf	Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
	■	22	105	9				**SILTY SAND (SM)** - Red-brown, moist, medium dense.
5	■	15				c= psf; Φ=		
10	■	6						**POORLY GRADED SAND (SP)** - Yellow-brown, moist, loose, medium to coarse.
15	▨	17						**SILT (ML)** - Grey, slightly moist, very stiff.
20	▨	21						**POORLY GRADED SAND (SP)** - Brown, moist, medium dense.
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 1
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-1

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		179	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 4 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
48	57

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 5 feet

Surface Conditions: 2" Asphalt Concrete

Groundwater: NFWE

Depth, ft	FIELD Sample	FIELD Blows/ft	LABORATORY Dry Density pcf	LABORATORY Moisture Content %	LABORATORY Compress. Strength ksf	LABORATORY Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
0						R-value = 62		**SILTY SAND (SM)** - Red-brown, moist.
5								
10								
15								
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 2
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-2

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		180	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 5 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
49	57

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracy

Total Depth: 5 ft

Surface Conditions: 2" Asphalt Concrete

Groundwater:

Depth, ft	FIELD: Sample	FIELD: Blows/ft	LABORATORY: Dry Density pcf	LABORATORY: Moisture Content %	LABORATORY: Compress. Strength ksf	LABORATORY: Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
								SILTY SAND (SM) - Red-brown, moist.
5								
10								
15								
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 3
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-3

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		181	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 6 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
50	57

REGISTERED PROFESSIONAL ENGINEER
Abdikarim Ali
No. 86237
Exp. 03-31-27
CIVIL
STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Dat Complet d: 7/22/93

Logged By: Stephen Trac y

Total Depth: 16.5 feet

Surface Conditi ns: 2" Aphalt Conret

Gr undwater: NFWE

Depth, ft	FIELD Sample	FIELD Blows/ft	LABORATORY Dry Density pcf	LABORATORY Moisture Content %	LABORATORY Compress. Strength ksf	LABORATORY Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
		65	119	9				**SILTY SAND (SM)** - Red-brown, moist, very dense.
5		23						**SILT (ML)** - Greay, moist.
10		10						**POOLRY GRADED SAND (SP)** - Yellow-brown, slightly moist, loose.
15		19						**SILT (ML)** - Grey, moist, very stiff.
20								
25								
30								
35								

KLEINFELDER

PROJECT NO: 21-1968-02

LOG OF BORING B- 4
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-4

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		182	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 7 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
51	57

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 16.5 feet

Surface Conditions: Vacant Lot

Groundwater: NFWE

Depth, ft	FIELD Sample	FIELD Blows/ft	LABORATORY Dry Density pcf	LABORATORY Moisture Content %	LABORATORY Compress. Strength ksf	LABORATORY Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
	■	100+	111	8				**SILTY SAND (SM)** - Yellow-brown, slightly moist, very dense.
5	■	18	105	7				**SILT (ML)** - Grey, moist, stiff.
								SILTY SAND (SM) - Yellow-brown, slightly moist, medium dense.
10	■	10						**POORLY GRADED SAND (SP)** - Yellow-brown, dry, loose.
15	■	100+						**SILT (ML)** - Grey, moist, hard.
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 5
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-5

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		183	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 8 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
52	57

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 5 feet

Surface Conditions: Vacant Lot

Groundwater:

Depth, ft	FIELD: Sample	FIELD: Blows/ft	LABORATORY: Dry Density pcf	LABORATORY: Moisture Content %	LABORATORY: Compress. Strength ksf	LABORATORY: Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
								SILTY SAND (SM) - Yellow-brown, moist.
5								
10								
15								
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 6
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-6

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		184	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 9 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
53	57

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

May 27, 2025
PLANS APPROVAL DATE

Date C mpleted: 7/22/93

L gged By: Stephen Tracey

Total Depth: 5 fe t

Surface Conditions: Vacant Lot

Gr undwater: NFWE

Depth, ft	FIELD: Sample	FIELD: Blows/ft	LABORATORY: Dry Density pcf	LABORATORY: Moisture Content %	LABORATORY: Compress. Strength ksf	LABORATORY: Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
								SILTY SAND (SM) - Yellow-brown, moist.
5								
10								
15								
20								
25								
30								
35								

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		185	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 10 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
54	57

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 7
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-7

Dat C mpleted: 7/22/93

Logged By: Stephen Tracey

Total Depth: 21.5 feet

Surface Conditi ns: Vacant Lot

Gr undwater: NFWE

Depth, ft	FIELD Sample	FIELD Blows/ft	LABORATORY Dry Density pcf	LABORATORY Moisture Content %	LABORATORY Compress. Strength ksf	LABORATORY Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
		100+						**SILTY SAND (SM)** - Yellow-brown, slightly moist, very dense to medium dense.
5		22	109	7				
10		12						**POORLY GRADED SAND (SP)** - Grey-brown, moist, loose.
15		39						**SILT (ML)** - Grey, moist.
								SILTY SAND (SM) - Red-brown, moist, dense.
20		49						**SILT (ML)** - Grey, moist, hard.
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 8
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-8

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		186	289

Abdikarim Ali — 5-17-23
REGISTERED CIVIL ENGINEER — DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 11 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
55	57

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 5 feet

Surface Conditions: Vacant Lot

Groundwater: NFWE

Depth, ft	FIELD: Sample	FIELD: Blows/ft	LABORATORY: Dry Density pcf	LABORATORY: Moisture Content %	LABORATORY: Compress. Strength ksf	LABORATORY: Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
0								**SILTY SAND (SM)** - Red-brown, moist.
5								
10								
15								
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B- 9
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-9

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		187	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 12 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
56	57

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

Date Completed: 7/22/93

Logged By: Stephen Tracey

Total Depth: 5 feet

Surface Conditions: Vacant Lot

Groundwater: NFWE

Depth, ft	FIELD Sample	FIELD Blows/ft	LABORATORY Dry Density pcf	LABORATORY Moisture Content %	LABORATORY Compress. Strength ksf	LABORATORY Other Tests	Pen, tsf	DESCRIPTION
								Approximate Surface Elevation (ft): 291
						R-value = 52		**SILTY SAND (SM)** - Red-brown, moist.
5								
10								
15								
20								
25								
30								
35								

KLEINFELDER

PROJECT NO. 21-1968-02

LOG OF BORING B-10
CALTRANS MAINTENANCE FACILITY
FRESNO

PLATE 1 of 1

A-10

DIVISION OF ENGINEERING SERVICES - GEOTECHNICAL SERVICES					
DIST.	COUNTY	LOCATION CODE	POST MILE-TOTAL PROJECT	Sheet No.	Total Sheets
06	Fre	5725		188	289

Abdikarim Ali — REGISTERED CIVIL ENGINEER — 5-17-23 DATE

CONVERT EXISTING LOTB FOR THE NEW BUILDING LOTB

LOG OF TEST BORINGS 13 OF 13

UNIT: 3650	CONTRACT No.	BRIDGE No.
PROJ. No. & PHASE: 0618000065-1	06-0X4304	N/A

Sheet	of
57	57

NOTE: The borings on this sheet are relevant to the present project and are shown here for information purposes only.

REGISTERED PROFESSIONAL ENGINEER — Abdikarim Ali — No. 86237 — Exp. 03-31-27 — CIVIL — STATE OF CALIFORNIA

May 27, 2025
PLANS APPROVAL DATE

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		189	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Shahjahan Ali
No. M 32144
Exp. 09-30-26
MECH
STATE OF CALIFORNIA

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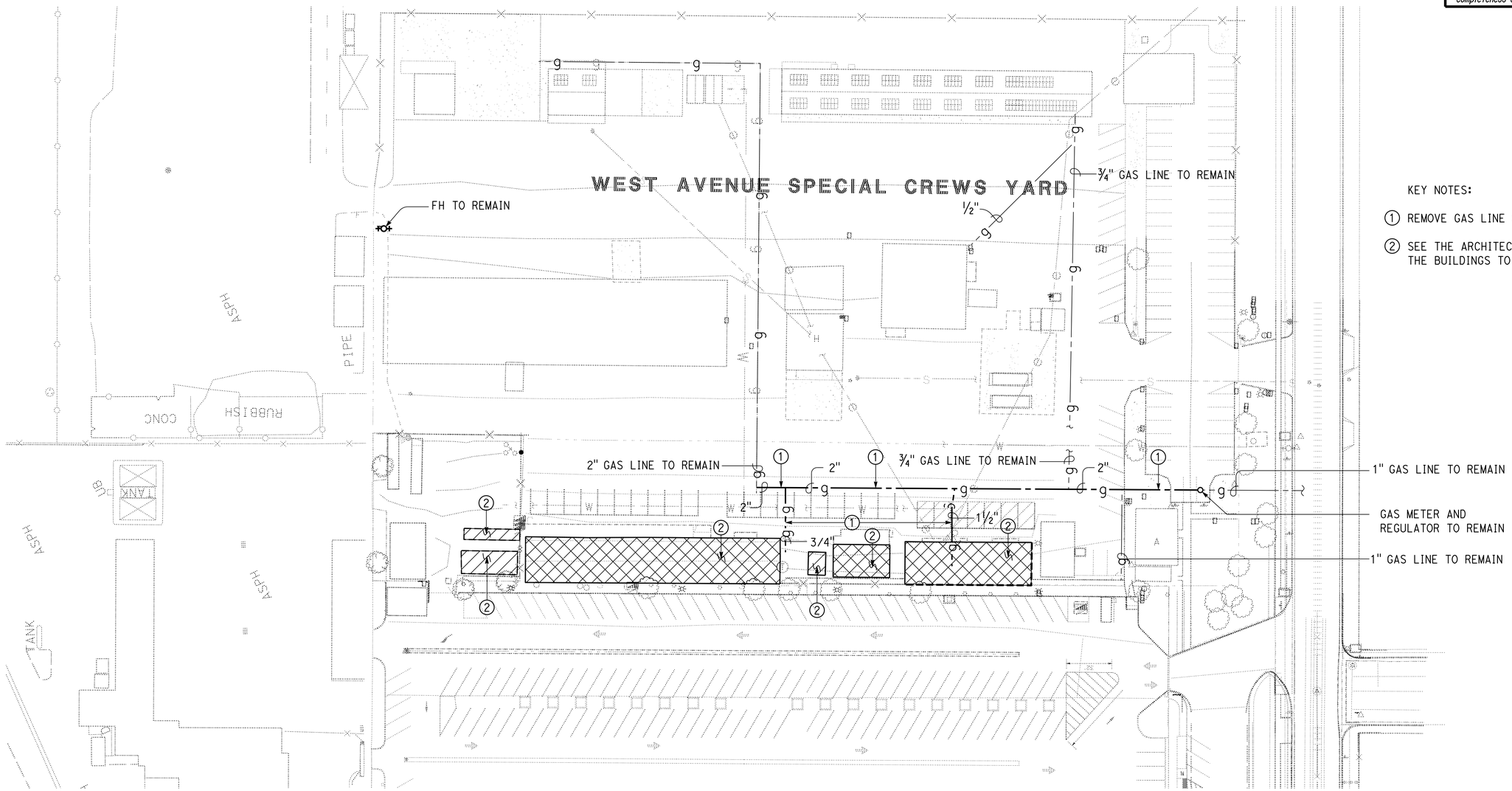

KEY NOTES:

① REMOVE GAS LINE COORDINATE WITH PG&E AS NEEDED.

② SEE THE ARCHITECT SHEETS FOR THE BUILDINGS TO BE DEMOLISHED.

REMOVAL SITE PLAN

1" = 40'

Approved for mechanical work only.

Kosha K. Shah, DESIGN SUPERVISOR Christopher M. Jarvis, DESIGN ENGINEER	DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin
	DETAILS	BY Angela Chen	CHECKED Mark Hedglin
	QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin

STATE OF **CALIFORNIA** DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXISTING SITE PLAN | MECHANICAL REMOVAL SITE PLAN

SHEET **M0-0.0**

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	1	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		190	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Shahjahan Ali
No. M 32144
Exp.09-30-26
MECH
STATE OF CALIFORNIA

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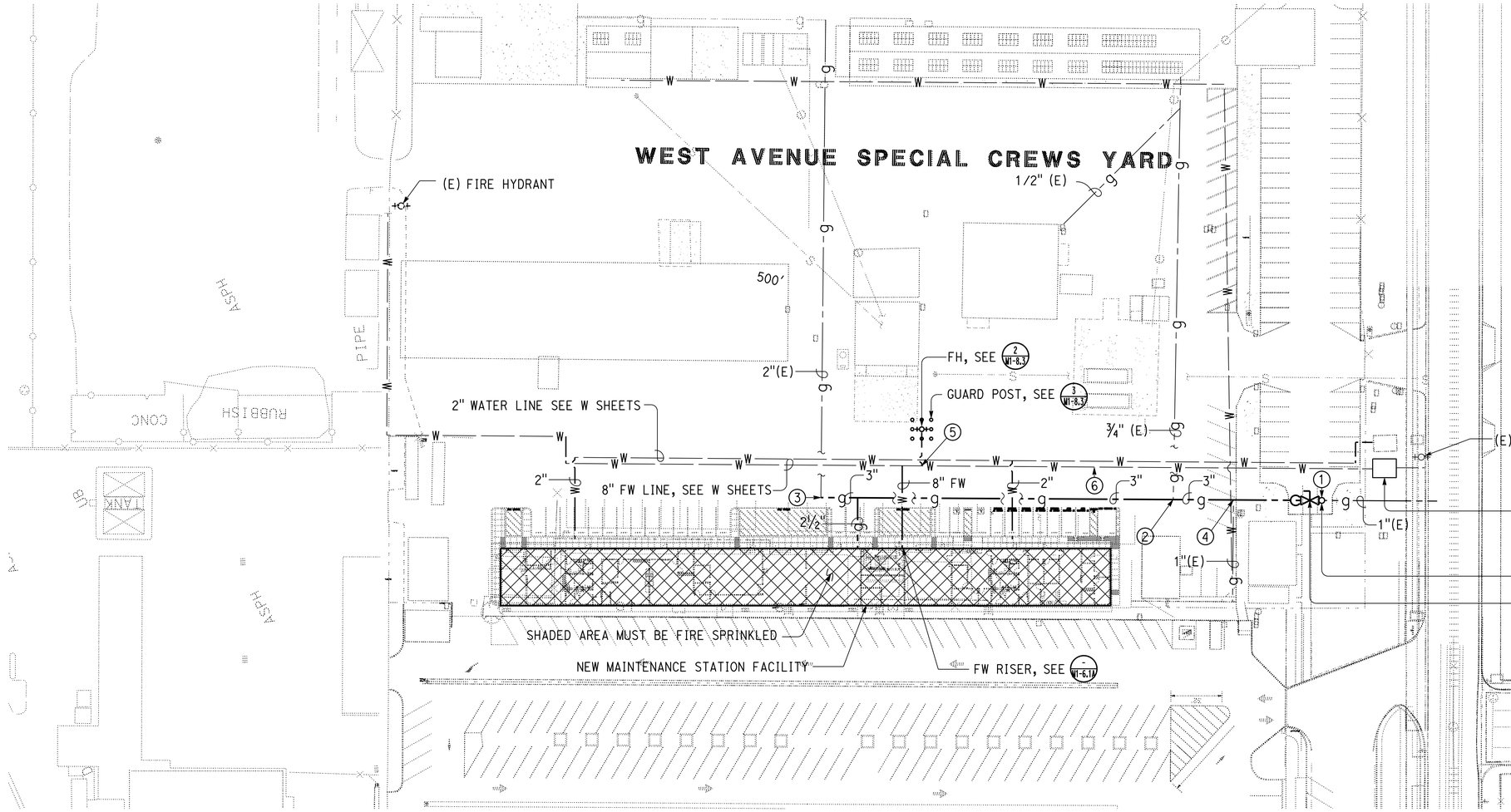
GENERAL NOTES:

1. Contractor must field inspect all controlling field dimensions and conditions, connection point of existing utility lines and verify existing underground utility lines before ordering and or fabricating any materials, trenching, and or construction work.
2. All trenching to be backfilled to match existing grade and material. All buried pipe and conduit must be delineated.
3. Hatched area indicates structure requiring fire sprinkler protection.
4. The maximum allowable pressure drop for the automatic fire sprinkler systems (measured after the fire sprinkler riser to the furthest sprinkler head) must be within 5 psi. Pipe sizes for the automatic fire sprinkler systems must be selected based upon this criterion.
5. Space between guard posts must be within 4 feet between post centers. A 3-foot clear space must be maintained around the circumference of the fire hydrant.



KEY NOTES:

1. Connect 3" new gas line to (E) gas regulator with new 3" gas valve.
2. Connect 3" new gas line to 3/4" (E) gas line.
3. Connect 3" new gas line to 2" (E) gas line.
4. Connect 3" new gas line to 1" (E) gas line.
5. Connect 6" FW line to 8" FW line, see -/W-2.
6. 8" Fire water line. For continuation see -/W-2.

SITE PLAN

1" = 40'

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			MODIFIED SITE PLAN

WEST AVE. MAINTENANCE STATION UPGRADE

MODIFIED MECHANICAL SITE PLAN

SHEET M0-0.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
1-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	2	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		191	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Shahjahan Ali
No. M 32144
Exp. 09-30-26
MECH
STATE OF CALIFORNIA

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COMBINATION HEATING COOLING ROOF-TOP PACKAGE UNIT SCHEDULE

UNIT No.	NOMINAL CAPACITY (TONS)	COOLING STAGES	NOMINAL cfm	ESP INCHES	NET COOLING CAPACITY (MBH)	HEATING OUTPUT MBH (Lo/Hi)	TOTAL POWER (kW)	ELECTRICAL	EER	IEER	WEIGHT Approx (lbs)
A/C-1 & A/C-2 (EACH)	10	3	4,000	1.0	119.0	200/250	9.0	208V-3Ph	13.0	20.3	1,700

HEAT PUMP SCHEDULE

UNIT	NOMINAL CAPACITY (TONS)	COOLING CAPACITY (BTUH)	HEATING CAPACITY (BTUH)	NOMINAL cfm	TOTAL POWER (kW)	ELECTRICAL	SEER (MINIMUM)	WEIGHT Approx (lbs) Each		USE
								INDOOR UNIT	OUTDOOR UNIT	
HP-1	3	3,600	3,600	1,200	5.0	208V-1Ph	14.0	100	300	TREE CREW REPAIR
HP-2	5	60,000	60,000	2,000	10.0	208V-1Ph	14.0	100	400	SIGN PRINING AREAS
HP-3	5	60,000	60,000	2,000	10.0	208V-1Ph	14.0	100	400	SIGN STO & SIGN FAB AREAS
HP-4	5	60,000	-	2,000	10.0	208V-1Ph	14.0	100	400	IT/DATA, ELEC & SIGN FAB AREA
HP-5	5	60,000	60,000	2,000	10.0	208V-1Ph	14.0	100	400	BR CRE STO/ REPAIR, FIRE S. RISER & ELEC
BRANCH BOX	-	-	-	-	0.003	208V-1Ph	-	20		-

AIR COMPRESSOR SCHEDULE

EQUIPMENT	TYPE / LOCATION	MIN RATED FLOW	RATED PRESSURE PSI	POWER HP	POWER SUPPLY	TANK GAL	V-PH-HZ.	WEIGHT Approx (lbs)
AIR COMPRESSOR NO. 1 & NO. 2	RECIPROCATING/ MECH/ELEC	24 cfm	175	7.5	25.3 A	80 (VERTICAL)	208-3-60	750

EXHAUST/SUPPLY FAN SCHEDULE

UNIT No.	cfm	ESP INCHES	SONES Max	POWER	ELECTRICAL	WEIGHT Approx (lbs)	USE
EF-1 & 6	80	0.25	2	100W	120V-1Ph	25	JANITOR ROOMS
EF-2, 3 4, 5, 7, 8, 9, & 10	110	0.25	2	100W	120V-1Ph	25	MEN'S RESTROOM & WOMEN'S RESTROOMS
HLF-1 & 2	110	0.25	2	25 A (I.6 kW HEATING)	120V-1Ph	25	UNISEX SHOWER ROOMS
WEF-1 & 2	700	4	15.5	1 HP	208V-3Ph	290	SIGN FABRICATION & BRIDGE CREW STO/REPAIR BRIDGE
REF-1 & 2	1,000	0.25	10	1/3 HP	120V-1Ph	100	SIGN FABRICATION & BRIDGE CREW STO/REPAIR

WATER HEATER SCHEDULE

EQUIPMENT	TYPE / LOCATION	GAS RATE (INPUT) Min/Max MBH	HOT WATER CAPACITY FLOWRATE Min/Max GPM	ACTIVATION FLOWRATE GPM (Min)	POWER SUPPLY	V-Ph-Hz.	WEIGHT Approx (lbs)
GWH-1 & GWH-2	CONDENSING, TANKLESS, DIRECT VENT, NAT. GAS OPERATION/JANITOR ROOM	15.5/200	0.25/10.0 (AT ΔT 40°F)	0.26	4 A	120-1-60	100

ZONE DAMPER SCHEDULE

UNIT No.	DIAMETER INCHES	cfm	
		MINIMUM	MAXIMUM
VAV-1 ZD-1	16	600	890
VAV-2 ZD-2	20	900	1400
VAV-3 ZD-3	20	1000	1460
VAV-4 ZD-4	20	1000	1480

Approved for mechanical work only.

DESIGN	BY S. Ali \ N. Votino	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725 POST MILE	WEST AVE. MAINTENANCE STATION UPGRADE
DETAILS	BY Angela Chen	CHECKED Mark Hedglin				EQUIPMENT SCHEDULE: EQUIPMENT SCHEDULE
QUANTITIES	BY S. Ali \ N. Votino	CHECKED Mark Hedglin				SHEET M1-0.0

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	3	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		192	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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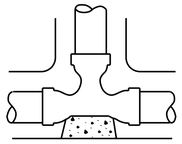
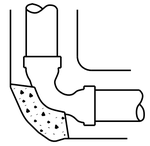
UNDERGROUND PIPING FOR PRIVATE FIRE SERVICE MAINS, HYDRANTS, FIRE SPRINKLERS AND FIRE STANDPIPES

1. Prior to installation, all plans and specifications and submittlas must be approved by the Office of the State Fire Marshal and the authority haveing jurisdiction.
2. Inspections are required: 1) prior to pouring thrust blocks, 2) of thrust blocks and joints 3) hydrostatic testing, and 4) for flush. Schedule all inspections 72 hours in advance. Call the local State Fire Marshal the authority haveing jurisdiction for inspection scheduling.
3. Installation, inspection, and testing shall conform to 2022 NFPA 13 and 2022 NFPA 24, with California amendments.
4. Geotechnical engineering report to compliment thrust block design must be listed on the plans.
5. Private fire hydrants shall be approved wet barrel type and have not less than 6 inch diameter connection with the mains. All outlets shall be provided with National Standard Threads (NST).
6. A valve shall be installed in the hydrant connections; all valves shall be installed within 20 feet of the hydrant.
7. Fire hydrants shall be located not less than 40 feet from the buildings to be protected. A keyed gate valve shall be provided for each hydrant in an accessible location. Valves shall not be located in parking stalls.
8. Hydrants shall be protected if subject to mechanical damage. The means of protection shall be arranged in manner that does not interfere with connection to or operation of hydrants.
9. Piping shall be listed for fire protection service or shall comply with the standards in 2022 NFPA 24 table 10.1.1.1.
10. All buried fittings shall be of an approved type with joints and pressure class ratings compatible with the pipe used.
11. All bolts used for underground connections shall be stainless steel. All corrosion protection shall be in place.
12. All bolted joint accessories shall be cleaned and thoroughly coated with asphalt or other corrosion-retarding material after installation.
13. The depth of cover over water pipes shall be determined by the maximum depth of frost penetration in the locality where the pipe is laid; top of the pipe shall be buried not less than 1 ft. below the frost line for the facility.
14. In those locations where frost is not a factor, the depth of cover shall not be less than 2-1/2ft. to prevent mechanical damage. When surface loads are expected, a minimum of 3 ft. cover shall be provided.
15. All tees, plugs, caps, bends, reducers, valves and hydrant branches shall be restrained against movement in accordance with 2022 NFPA 24 section 10.6.1 or section 10.6.2.
16. Thrust blocks, or other approved method of thrust restraint, shall be provided whenever pipe changes direction.
17. The trench shall be excavated for thrust blocks and inspected prior to pour. Thrust blocks shall be placed between undisturbed earth and the fitting to be restrained and shall be capable of resisting the calculated thrust force.
18. Thrust blocks shall be placed so that the joints are accessible for repair.
19. A hydrostatic test (200 PSI for 2 hours or 50 PSI over maximum static pressure, whichever is greater) shall be witnessed by a Deputy State Fire Marshal. The trench shall be back-filled between the joints to prevent movement of the pipe.
20. The system shall be thoroughly flushed before connection is made to overhead piping. Flow shall be through a minimum of a 4" hose or pipe unless otherwise approved by the Deputy State Fire Marshal. A Deputy State Fire Marshal shall witness the flush.
21. Control valves shall be supervised by one of the 4 acceptable methods listed in 2022 NFPA 24 section 6.7.2.

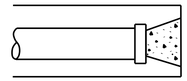
CONDITION I



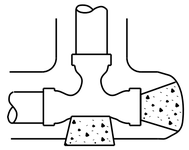
CONDITION II



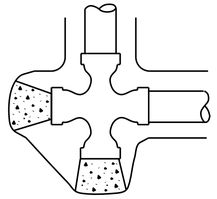
CONDITION III



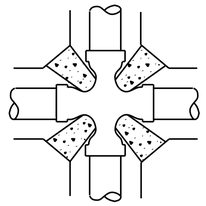
CONDITION IV



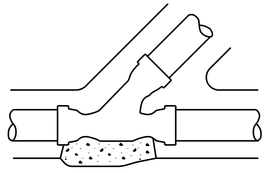
CONDITION V



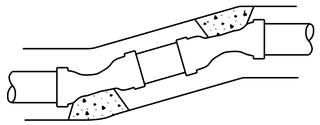
CONDITION VI



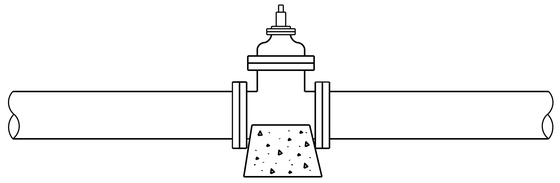
CONDITION VII



CONDITION VIII



CONDITION I



THRUST BLOCK BEARING AREA IN SQUARE FEET

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

NOTES:

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

Approved for mechanical work only.

Approved for mechanical work only.

DESIGN	BY S. Ali \ N. Votino	CHECKED Mark Hedglin	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY S. Ali \ N. Votino	CHECKED Mark Hedglin	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SFM NOTES

STATE FIRE MARSHAL NOTES

SHEET M1-0.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	4	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		193	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp.09-30-26 — MECH — STATE OF CALIFORNIA

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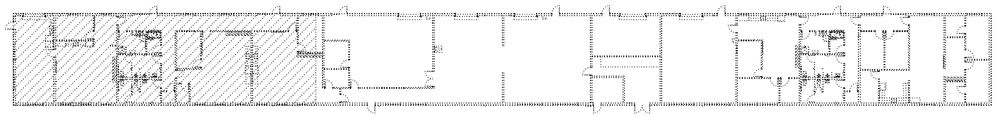
NOTES:

1. EF-1 and HVL-1 route 6" duct and combined to one 8" and exhaust through wall with wall cap and insect screen. Install back draft damper on each duct before combining. Both of them will be operated by timer switches.
2. EF-2 and 3 route 6" duct and combined to one and exhaust through roof. EF-4 and 5 route 6" duct and combine to one 8" and exhaust through roof with rain guard and insect screen. Install back draft damper on each duct before combining.
3. EF-2, 3, 4 and 5 must be operated by motion sensor and will run 30 minutes more after sensor cuts off.



KEY PLAN

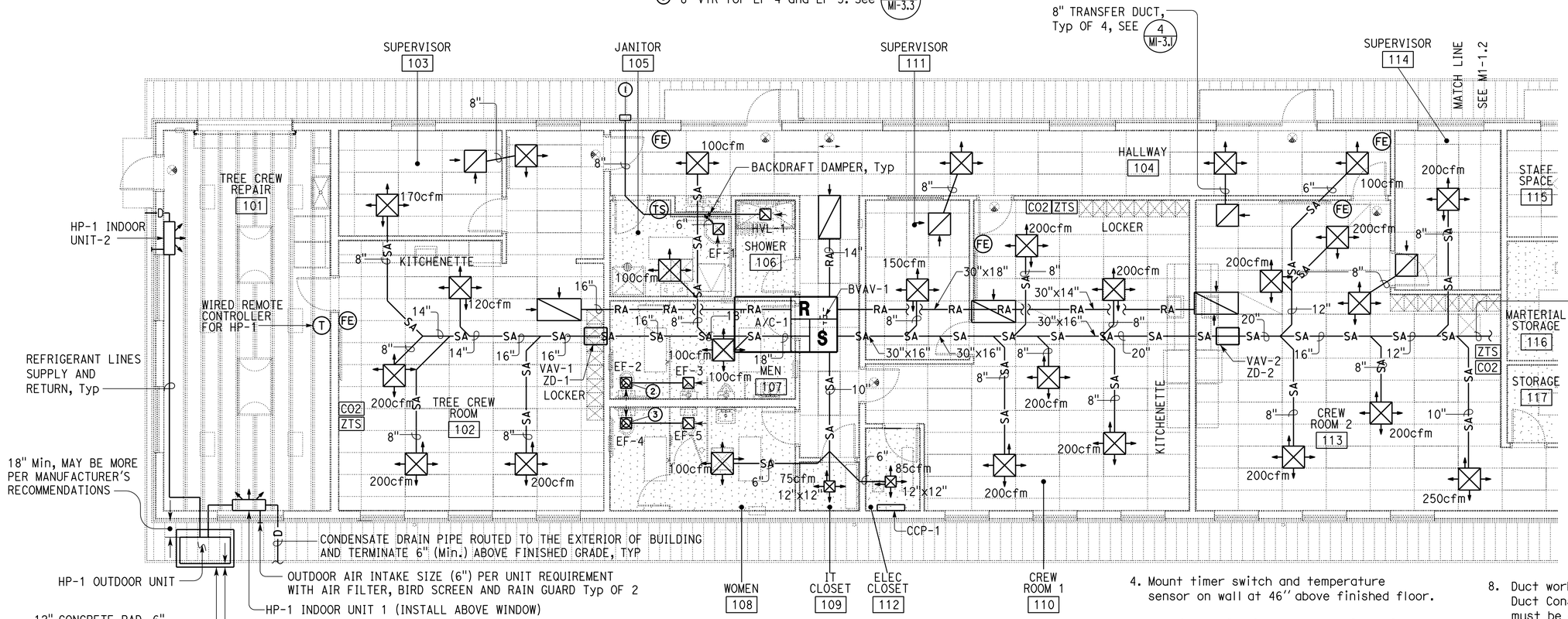
KEY NOTES.

① 8" VTW for EF-1 and HVL-1.

② 8" VTR for EF-2 and EF-3. See 2/MI-3.3

③ 8" VTR for EF-4 and EF-5. See 2/MI-3.3

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.



HP-1 INDOOR UNITS SCHEDULE

EQUIPMENT	CAPACITY (BTUH)	AIR FLOW Min (cfm)	OUTDOOR AIR Min (cfm)
INDOOR UNIT 1	18,000	600	100
INDOOR UNIT 2	18,000	600	100

HVAC PLAN - PARTIAL 1

3/16" = 1'-0"

4. Mount timer switch and temperature sensor on wall at 46" above finished floor.
5. FE, Fire extinguisher must be in cabinet semi recessed, 3A:40B:C. Top of fire extinguisher handle must be mounted at 48" above finished floor.
6. There must be balancing damper before each diffuser, which are not shown. Balance dampers must be accessible, for gypsum board ceiling it must have access hatch or must have remote operator. The locations of dampers must be marked on ceiling.
7. Maximum length of flexible duct connected to the supply diffuser must not be more than five feet, for detail see I/MI-3.1
8. Duct work must follow ACCA Manual D and SMACNA HVAC Duct Construction Standards. Rectangular duct elbows must be constructed with turning vanes.
9. For supply air diffuser installation, see -/MI-3.1.
10. All supply diffusers must be 24"X24" unless otherwise shown and all return grilles must be 48"X24" unless otherwise shown.
11. Indoor units of HP must be provided with condensate pump, route condensate drain pipe from indoor units to outside of the building with elbow down. Install 7 to 9 feet above finished floor.
12. Contractor needs to provide the calculations of size of refrigerant tubing based on heat pump manufacturer's information.

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PARTIAL - 1 — HVAC PLAN - PARTIAL 1

SHEET M1-1.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	5	29

7-JUL-2025 17:11

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		194	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

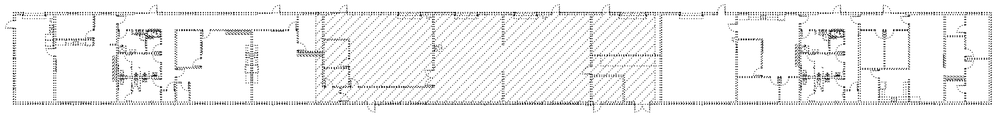
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

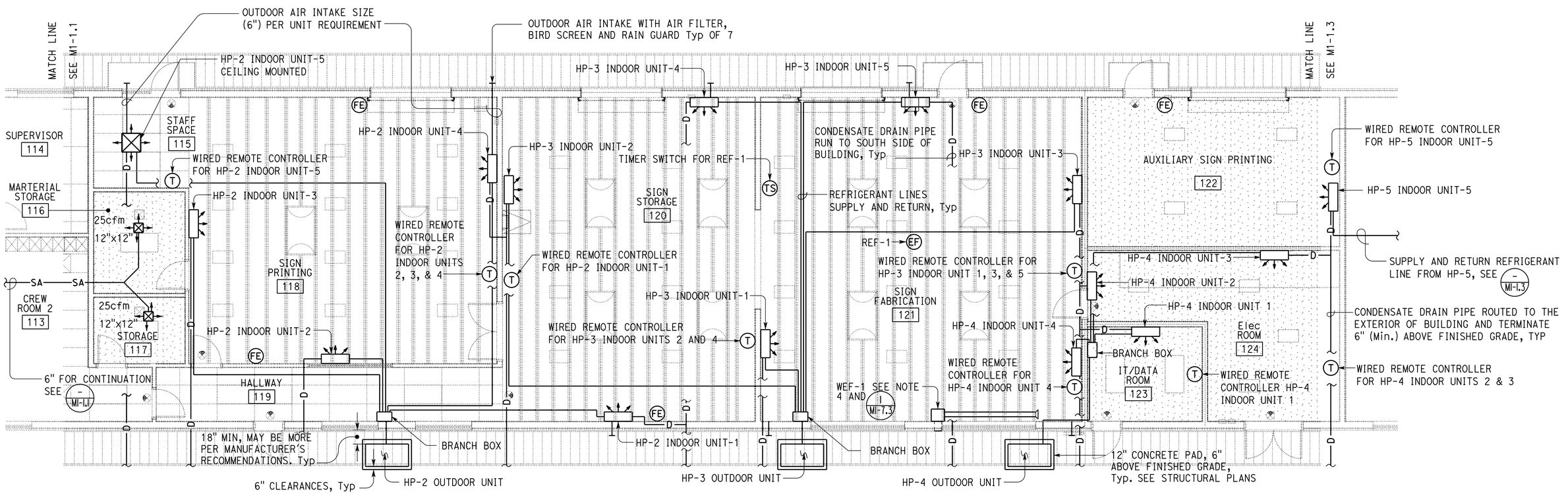
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTES:

1. HP-2 Indoor unit-5 must be ceiling mounted. All other indoor units must be wall mounted and install at 7 feet above finished floor.
2. Indoor units of all HPs must be provided with condensate pump, route condensate drain pipe from indoor units to outside of the building with elbow down. Install 7 to 9 feet above finished floor.
3. WEF-1, Welding exhaust fan must be supported from wall @ 10 feet from finished floor, 14 feet extraction arm, 6 inch diameter hose with hose light and discharge through wall.



KEY PLAN



HP-2 INDOOR UNITS SCHEDULE

EQUIPMENT	CAPACITY (BTUH)	AIR FLOW Min (cfm)	OUTDOOR AIR Min (cfm)
INDOOR UNIT 1 & 4	12,000 EACH	400 EACH	100 EACH
INDOOR UNIT 2 & 3	12,000 EACH	400 EACH	-
INDOOR UNIT 5	12,000	245-315-400 (Lo-Mid-Hi)	100

HP-3 INDOOR UNITS SCHEDULE

EQUIPMENT	CAPACITY (BTUH)	AIR FLOW Min (cfm)	OUTDOOR AIR Min (cfm)
INDOOR UNIT 2 & 3	12,000 EACH	400 EACH	-
INDOOR UNIT 1, 4 & 5	12,000 EACH	400 EACH	150 EACH

HP-4 INDOOR UNITS SCHEDULE

EQUIPMENT	CAPACITY (BTUH)	AIR FLOW Min (cfm)	OUTDOOR AIR Min (cfm)
INDOOR UNIT 1	12,000	400	-
INDOOR UNIT 2 & 3	12,000 EACH	400 EACH	-
INDOOR UNIT 4	24,000	800	150

4. Place an sticker marked "COOLING ONLY" on wall under all Thermostat of HP-4 .
5. Mount temperature on wall at 46'' above finished floor.
6. FE, Fire extinguisher must be 3A:40B:C. Top of fire extinguisher handle must be mounted at 48" above finished floor.
7. Contractor needs to provide the calculations of size of refrigerant tubing based on heat pump manufacturer's information.

HVAC PLAN - PARTIAL 2

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin	BRIDGE No. 42M5725 POST MILE

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

WEST AVE. MAINTENANCE STATION UPGRADE

PARTIAL - 2 — HVAC PLAN - PARTIAL 2

SHEET **M1-1.2**

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-28-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	6	29

TAEMWW Imperial - CCSC Rev. 10/20

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		195	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

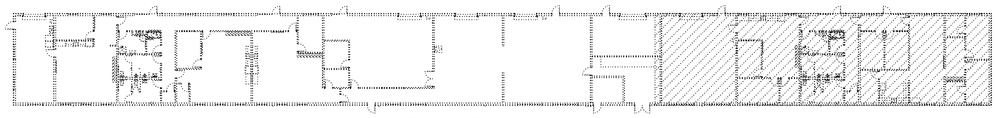
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTES:

1. EF-6 and HVL-2 route 6" duct and combined to one 8" and exhaust through wall with wall cap and insect screen. Install back draft damper on each duct before combining. Both of them will be operated by timer switches.

2. EF-7 and 8 route 6" duct and combined to one and exhaust through roof. EF-4 and 5 route 6" duct and combine to one 8" and exhaust through roof with rain guard and insect screen. Install back draft damper on each duct before combining.

3. EF-7, 8, 9 and 10 must be operated by motion sensor and will run 30 minutes more after sensor cuts off.



KEY PLAN

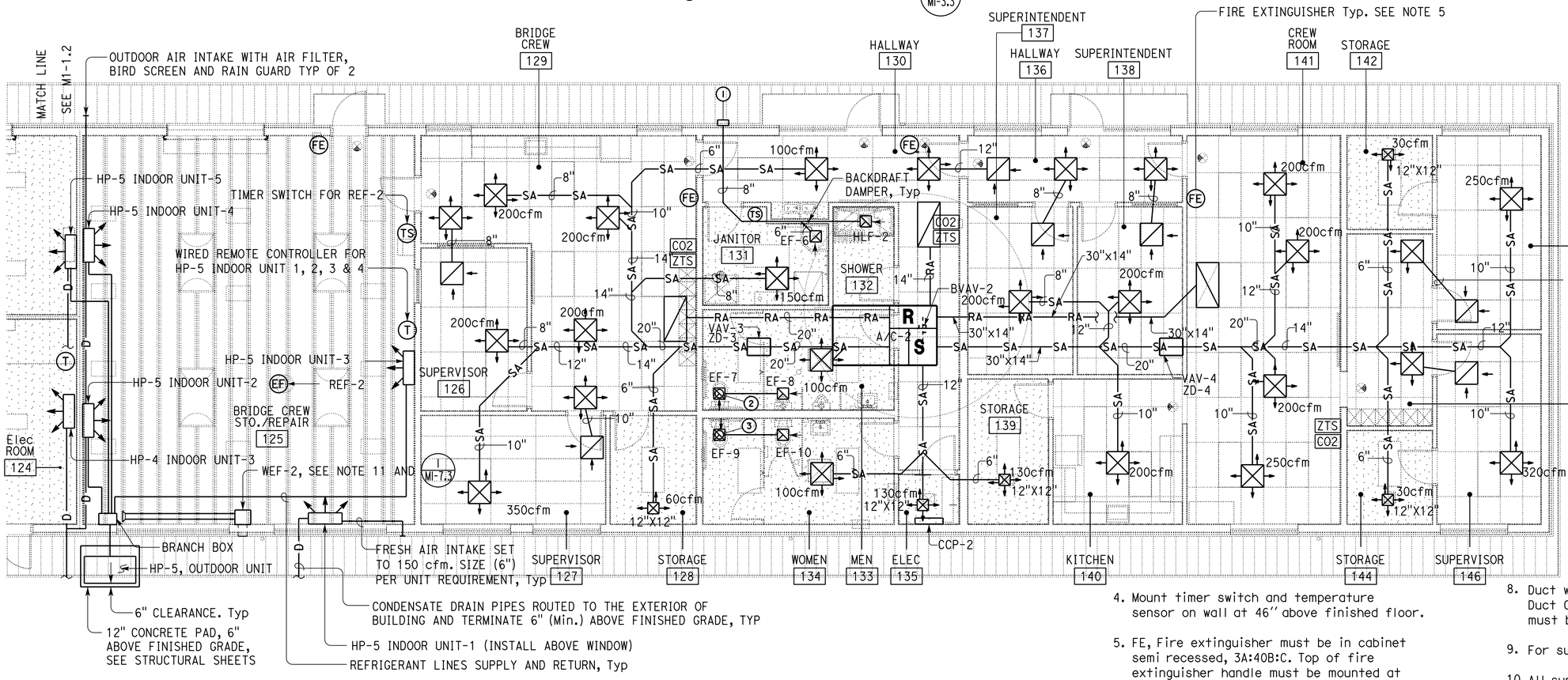
KEY NOTES.

① 8" VTW for EF-6 and HVL-2.

② 8" VTR for EF-7 and EF-8. See (2 / MI-3.3)

③ 8" VTR for EF-9 and EF-10. See (2 / MI-3.3)

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.



HP-5 INDOOR UNITS SCHEDULE

EQUIPMENT	CAPACITY (BTUH)	AIR FLOW (cfm)	OUTDOOR AIR (cfm)
INDOOR UNIT 1 & 4	12,000 EACH	400 EACH	150 EACH
INDOOR UNIT 2, 3 & 5	12,000 EACH	400 EACH	-

HVAC PLAN - PARTIAL 3

3/16" = 1'-0"

4. Mount timer switch and temperature sensor on wall at 46'' above finished floor.

5. FE, Fire extinguisher must be in cabinet semi recessed, 3A:40B:C. Top of fire extinguisher handle must be mounted at 48" above finished floor.

6. There must be balancing damper before each diffuser, which are not shown. Balance dampers must be accessible, for gypsum board ceiling it must have access hatch or must have remote operator. The locations of dampers must be marked on ceiling.

7. Maximum length of flexible duct connected to the supply diffuser must not be more than five feet, for detail see (1 / MI-3.1)

8. Duct work must follow ACCA Manual D and SMACNA HVAC Duct Construction Standards. Rectangular duct elbows must be constructed with turning vanes.

9. For supply air diffuser installation, see (– / MI-3.1)

10. All supply diffusers must be 24"X24" unless otherwise shown and all return grilles must be 48"X24" unless otherwise shown.

11. WEF-2, Welding exhaust fan must be supported from wall @ 10 feet from finished floor, 14 feet extraction arm, 6 inch diameter hose with hose light and discharge through wall.

12. Indoor units of all HPs must be provided with condensate pump, route condensate drain pipe from indoor units to outside the building with elbow down. Install 7 to 9 feet above finished floor.

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Shahjahan Ali	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Shahjahan Ali	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
PARTIAL - 3 — HVAC PLAN - PARTIAL 3

SHEET M1-1.3

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
1-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25	V2	7	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		196	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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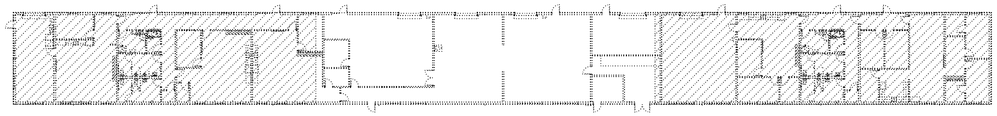
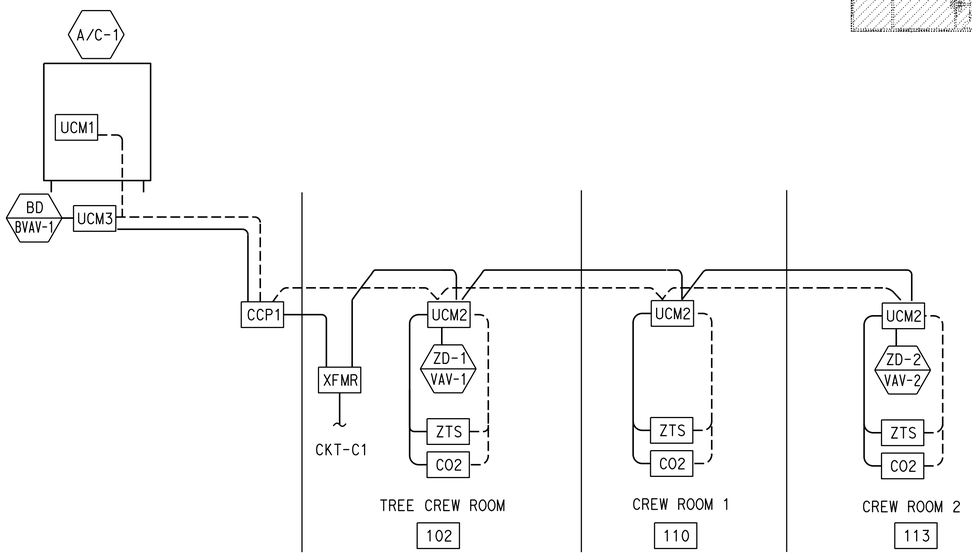
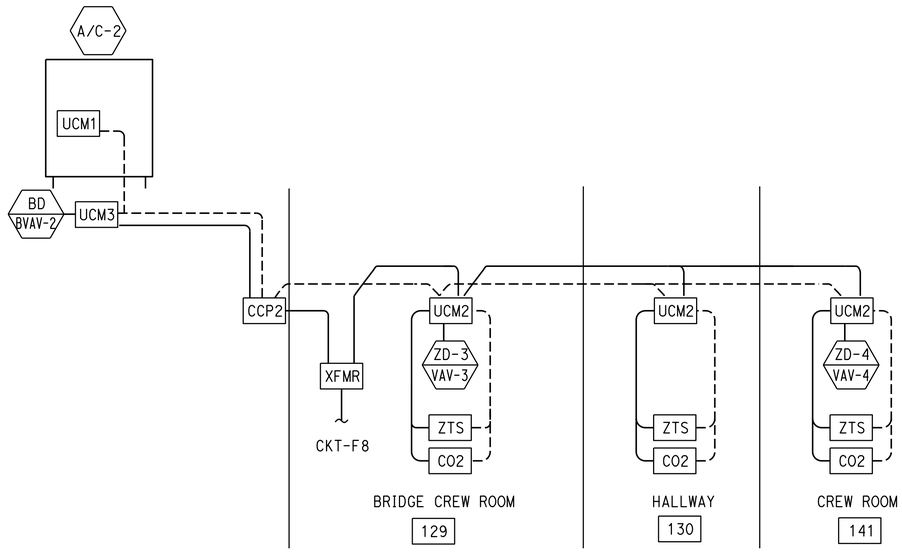


KEY PLAN



TREE CREW ROOM/CREW ROOM 1/CREW ROOM 2



BRIDGE CREW ROOM/HALLWAY/CREW ROOM

NOTE:
All Other HVAC Equipment in Building Not Shown on Control Diagram must Be Locally Controlled.

- BD – Bypass Damper
- ZD – Zone Damper
- CCP — Central Control Panel
- CO2 — Carbon Dioxide Sensor
- T — Programable Thermostat
- XFMR — 120 V to 24 V Transformer
- UCM1 — HVAC Unit Control Module
- UCM2 — Zone Damper Unit Control Module
- UCM3 — Bypass Damper Unit Control Module
- ZTS — Zone Temperature Sensor

HVAC SCHEMATIC

NO SCALE

NOTES:

1. All AHU/HVAC duct smoke detectors must be connected to building fire alarm panel to initiate a supervisory signal upon activation.
2. All AHU/HVAC unit duct- smoke detectors must be tested by manometer to insure air volume and velocities are within the tolerance specifications of the rating required by the manufacturer's data on each duct-smoke detector installed within the unit / ductwork per, 2019 NFPA 72, Section 17.7.4 and 2019 CMC Section 608.
3. HVAC control systems must be provided by the same manufacturer as the HVAC units.
4. For location of XFMR, see Electrical plans.

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

WEST AVE. MAINTENANCE STATION UPGRADE

A/C-1 & A/C-2 — HVAC SCHEMATIC

SHEET **M1-1.4**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25			V2	8	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		197	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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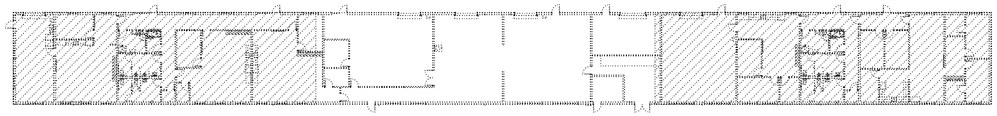
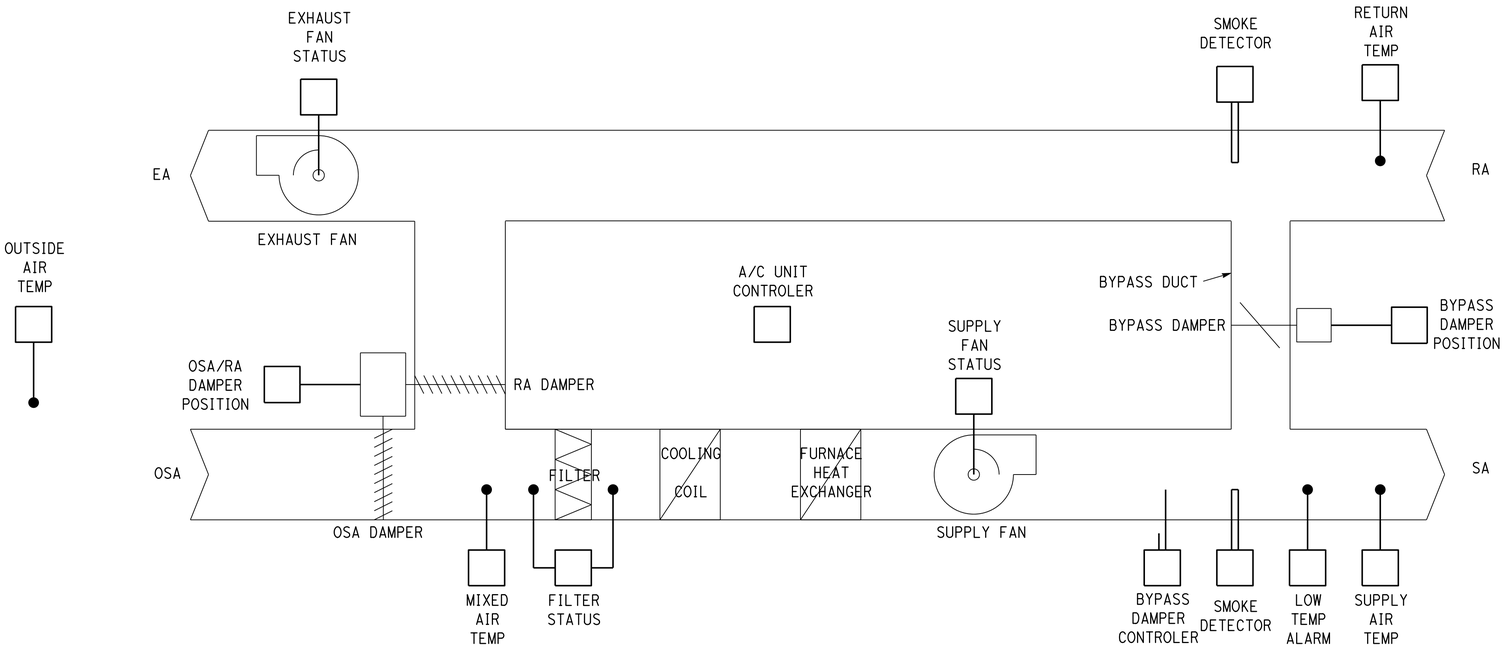


KEY PLAN

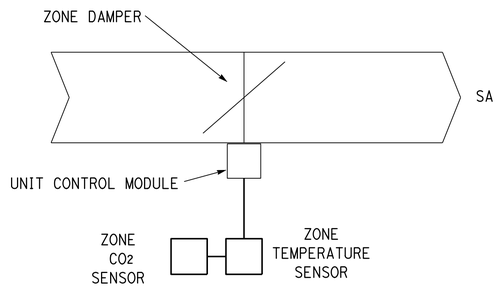


1 AC UNIT CONTROL DETAIL

NO SCALE

NOTE:

All Other HVAC Equipment in Building Not Shown on Control Diagram must Be Locally Controlled.



2 TEMPERATURE AND CO_2 SENSOR ZONE DAMPER CONTROL DETAIL

NO SCALE

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
A/C-1 & A/C-2
HVAC CONTROL DIAGRAM

SHEET M1-1.5

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	9	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		198	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Shahjahan Ali
No. M 32144
Exp. 09-30-26
MECH
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.

ROOFTOP AC WITH ZONE AND BYPASS DAMPERS:

The AC unit must be enabled according to the building occupied schedule. A manual after hours override timer must be provided to allow the unit to operate during the unoccupied schedule time if occupants are present in the building. The occupied schedule must be adjustable and initially set to run Monday thru Friday from 6am to 6pm and must exclude state holidays.

SUPPLY AIR SMOKE DETECTION:
The AC unit must shut down and generate an alarm upon the detection of smoke in the supply air. The smoke detector must be manual reset.

SUPPLY FAN (A/C):
The supply fan must run whenever the AC unit is enabled unless the AC unit has been shut down by a safety device.

An alarm must be generated if the supply fan status does not match the command value.

EXHAUST FAN (AC unit powered exhaust):
The exhaust fan must operate whenever the outside air damper is at any position other than the minimum position. Exhaust fan must shut down per the schedule or a safety device.

An alarm must be generated if the exhaust fan status does not match the command value.

SUPPLY AIR TEMPERATURE:
The AC unit controller must maintain the supply air temperature according to the majority of the temperature sensor's call for cooling or heating. The "majority" number must be adjustable. The AC unit controller must stage the unit cooling or heating systems to maintain the supply air temperature in order to satisfy the room temperature sensor.

The AC unit set points must be 78°F for cooling and 68°F for heating. The set points must be adjustable.

An alarm must be generated for the following:
During the cooling mode a high supply air temperature alarm will be generated if the supply air temperature is less than 10°F below the set point.
During the heating mode a low supply air temperature alarm will be generated if the supply air temperature is less than 20°F above the set point.
The alarm offset temperatures must be adjustable.

LOW LIMIT SETPOINT:
During the unoccupied schedule time the AC unit must operate to maintain the low limit set point. The low limit set point must be 55°F.
The set point must be adjustable.

An alarm must be generated if the room temperature sensors sense a temperature 3°F below the set point. The alarm offset temperature must be adjustable. The alarm must indicate which room sensor sent the alarm.

ECONOMIZER OPERATION:
The outside air damper must have a full range of operation. The outside air damper and return air damper must be linked and must operate together. The outside air damper must be at its minimum position until energized. Once energized the outside air damper must modulate between its minimum to full open based on the following:

1. If a room CO2 sensor senses a CO2 level greater than the set point for five minutes the damper must modulate to maintain the CO2 level below the set point. The set point and time period must be adjustable.
2. If the unit is in the cooling mode and the outside air temperature is below 65°F the damper must modulate open to provide additional outside air as free cooling. The outside air damper must modulate between fully open and the minimum position to maintain a supply air temperature of 55°F. If the supply air temperature cannot be maintained at 55°F by use of the economizer, mechanical refrigeration must be used in addition to the economizer to maintain the supply air temperature at 55°F.

The outside air damper must return to its fully close position for any of the following conditions:

1. The AC unit is off.
2. The AC unit has been shut down for a safety reason.

FILTER STATUS:
The filter status sensor must monitor the differential pressure across the filter. An alarm must be generated if the filter status is 0.15 inches greater than the clean filter set point. The dirty filter offset must be adjustable.

ZONE DAMPERS:
The zone damper must modulate from a minimum air flow position to a maximum position according to the room temperature sensor's call for cooling or heating.

BYPASS DAMPER:
The bypass damper must modulate from a minimum air flow position to a maximum position according to the supply air duct temperature/pressure sensor.

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			A/C-1 & A/C-2

WEST AVE. MAINTENANCE STATION UPGRADE

SEQUENCE OF OPERATION

SHEET M1-1.6

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25			V2	10	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		199	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

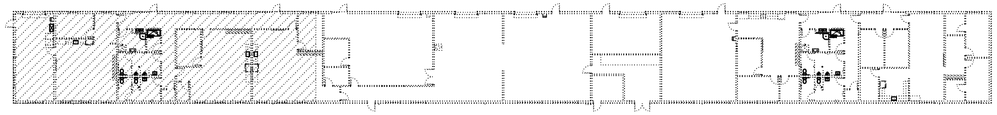
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

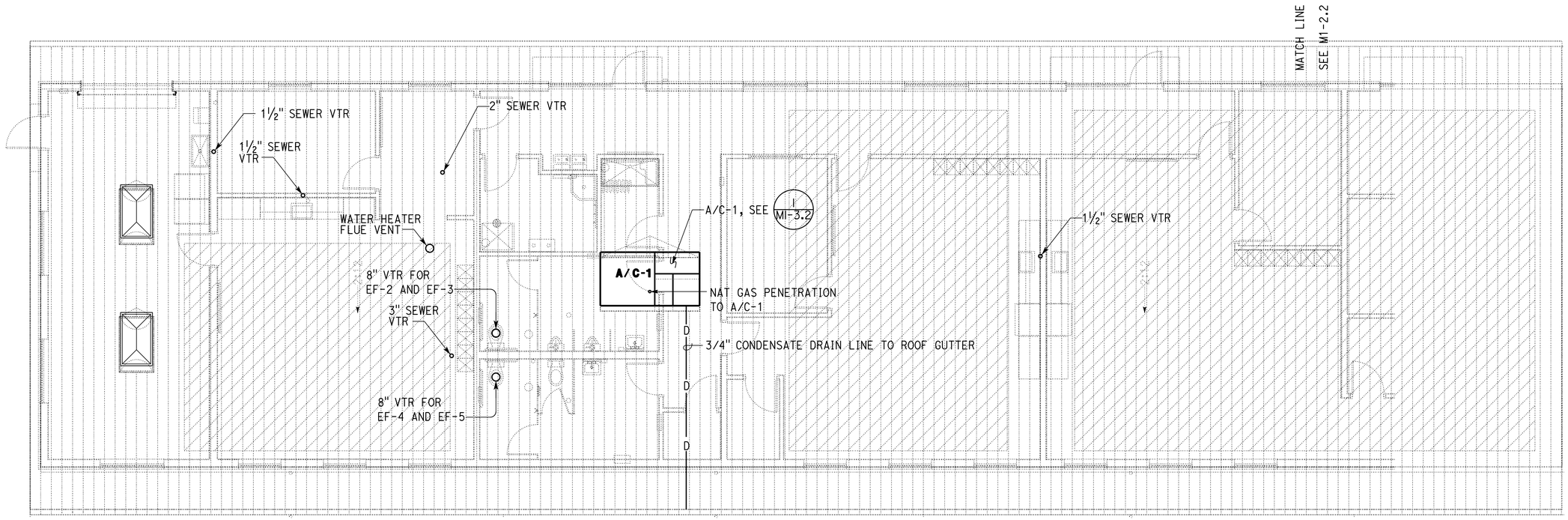
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTE:

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.



KEY PLAN



ROOF PLAN - PARTIAL 1

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			

WEST AVE. MAINTENANCE STATION UPGRADE — PARTIAL - 1 — MECH ROOF PLAN - PARTIAL 1 — SHEET M1-2.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	11	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		200	289

Shahjahan Ali 5-12-25
REGISTERED MECHANICAL ENGINEER DATE

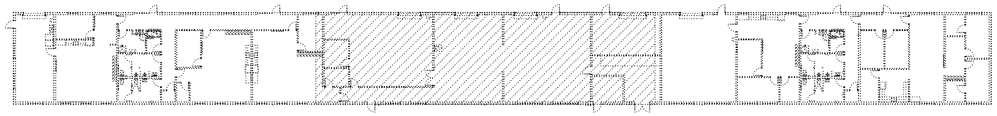
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Shahjahan Ali
No. M 32144
Exp. 09-30-26
MECH
STATE OF CALIFORNIA

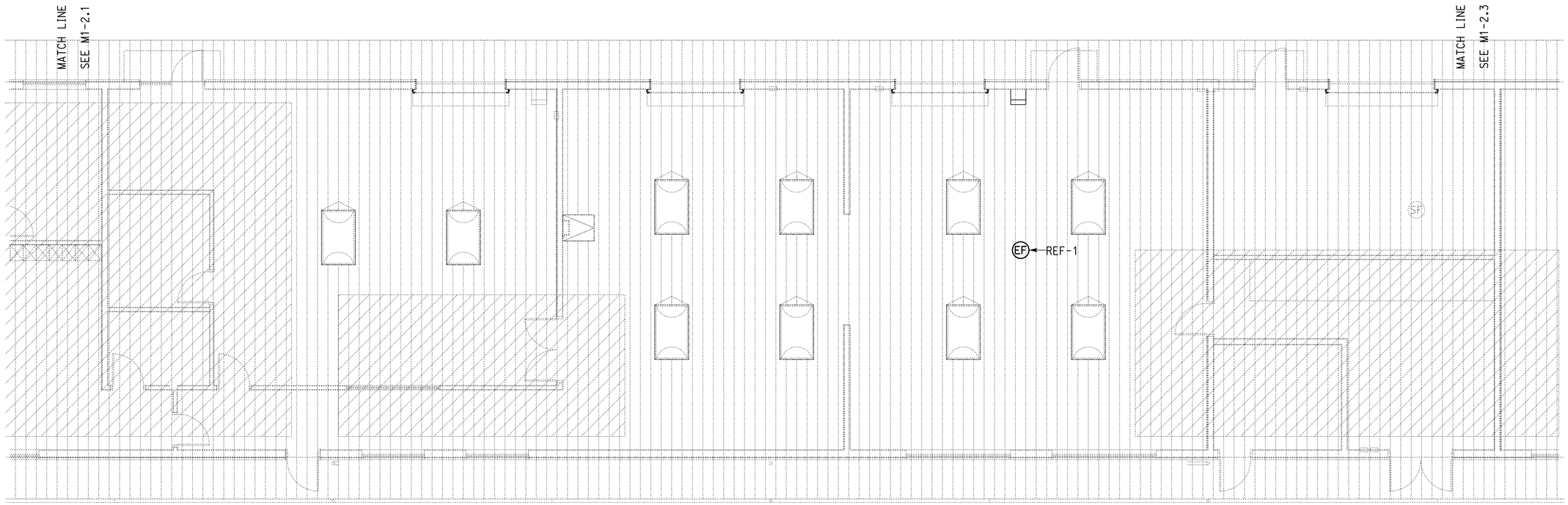
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

NOTE:

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.



KEY PLAN



ROOF PLAN - PARTIAL 2

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET M1-2.2
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	PARTIAL - 2 MECH ROOF PLAN - PARTIAL 2	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin					

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
1-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	12	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		201	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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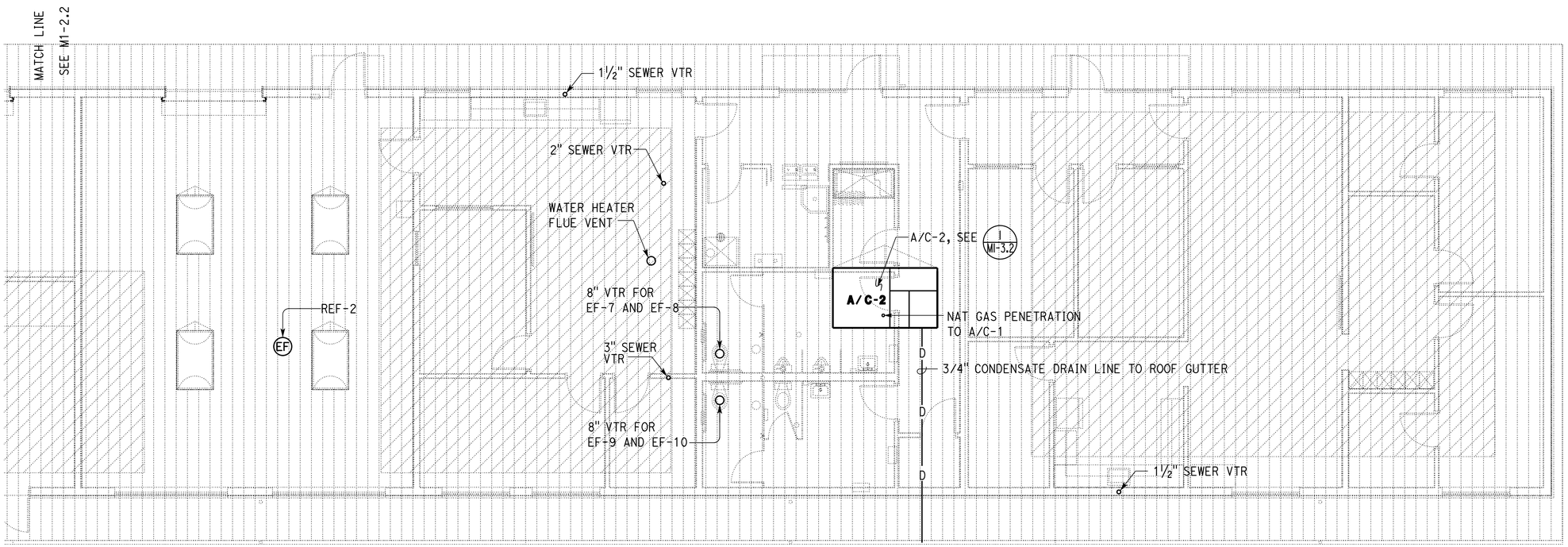
NOTE:

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.

KEY PLAN



ROOF PLAN - PARTIAL 3

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			

WEST AVE. MAINTENANCE STATION UPGRADE

PARTIAL - 3 — MECH ROOF PLAN - PARTIAL 3

SHEET M1-2.3

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	13	29

TAEMWW Imperial - CCSC Rev. 10/20

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		202	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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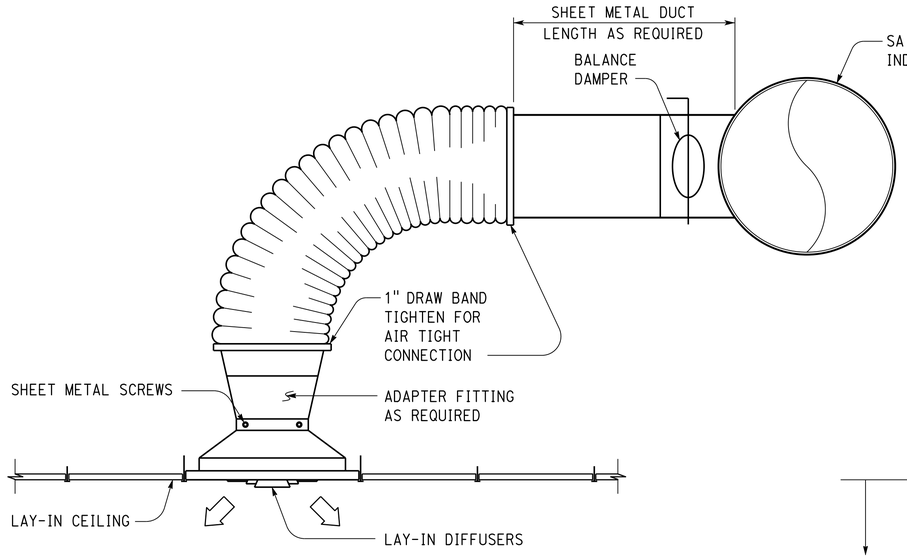
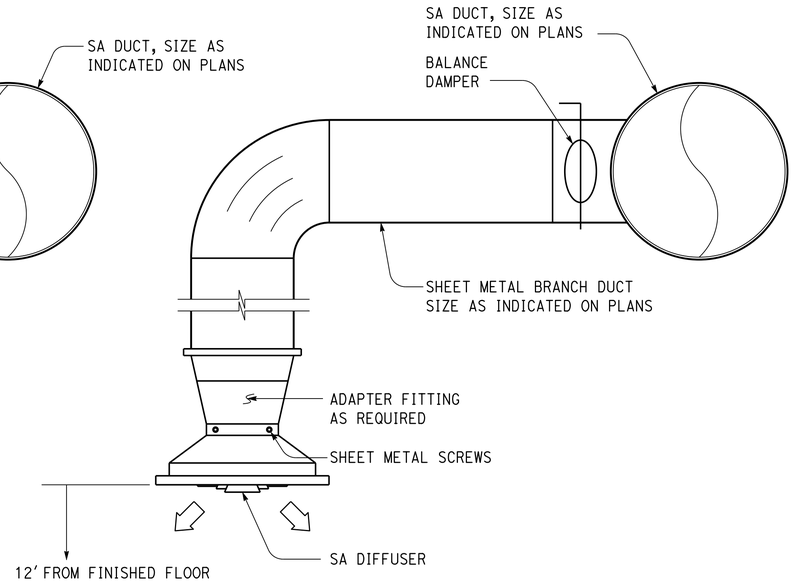


1 DIFFUSER INSTALLATION (LAY-IN)

NO SCALE

NOTES:
1. EA grille installation is similar less flexible duct.

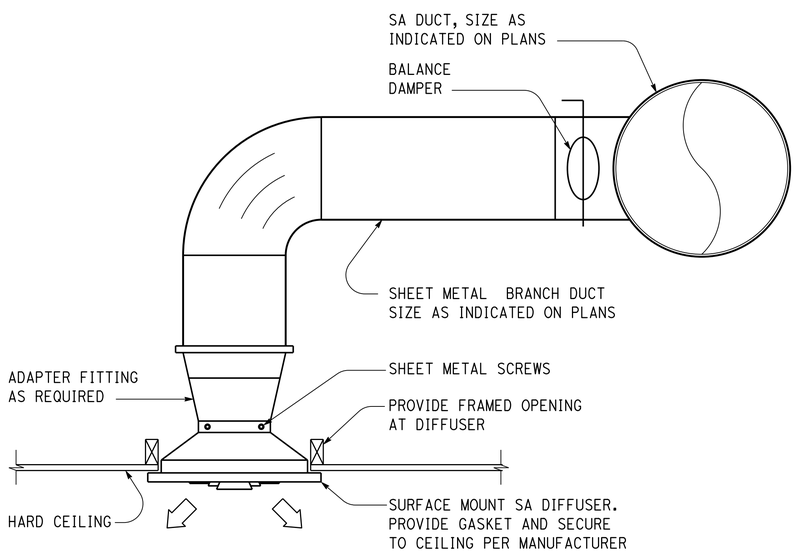


2 DIFFUSER INSTALLATION (NO CEILING)

NO SCALE

NOTES.

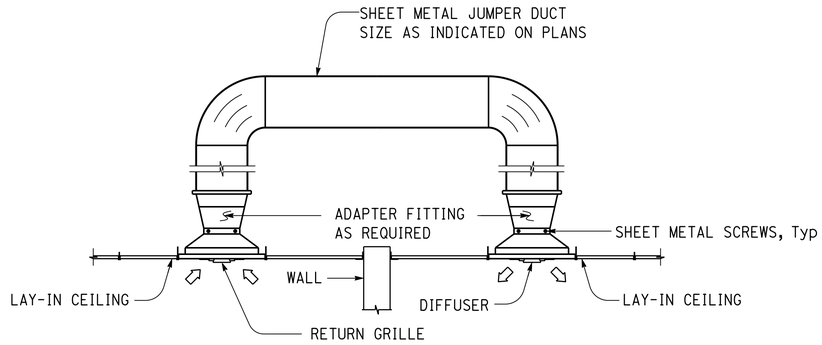
1. Ductwork must be supported per ASHRAE standards.
2. Duct insulation not shown, insulate duct per ASHRAE and CBC standards.



3 DIFFUSER INSTALLATION (SURFACE MOUNT)

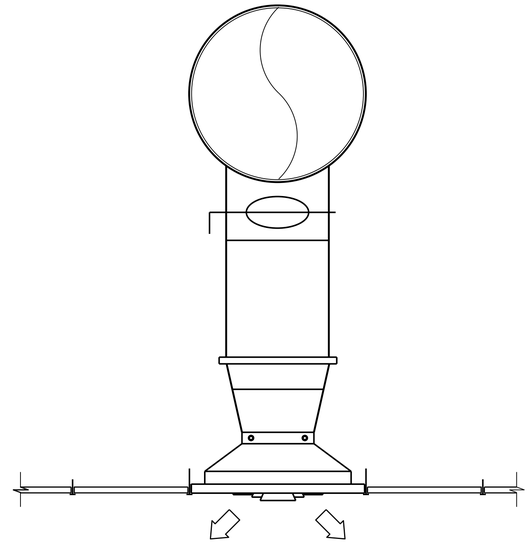
NO SCALE

NOTES:
1. At locations where the balance damper is above a hard ceiling provide a remote cable operated damper with a ceiling mounter operator.
2. EA grille installation is similar.



4 TRANSFER AIR (JUMPER) DUCT

NO SCALE



5 DIFFUSER ALTERNATE INSTALLATION

NO SCALE

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET M1-3.1	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	DETATLS	HVAC DETAILS - 1		
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin							

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	14	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		203	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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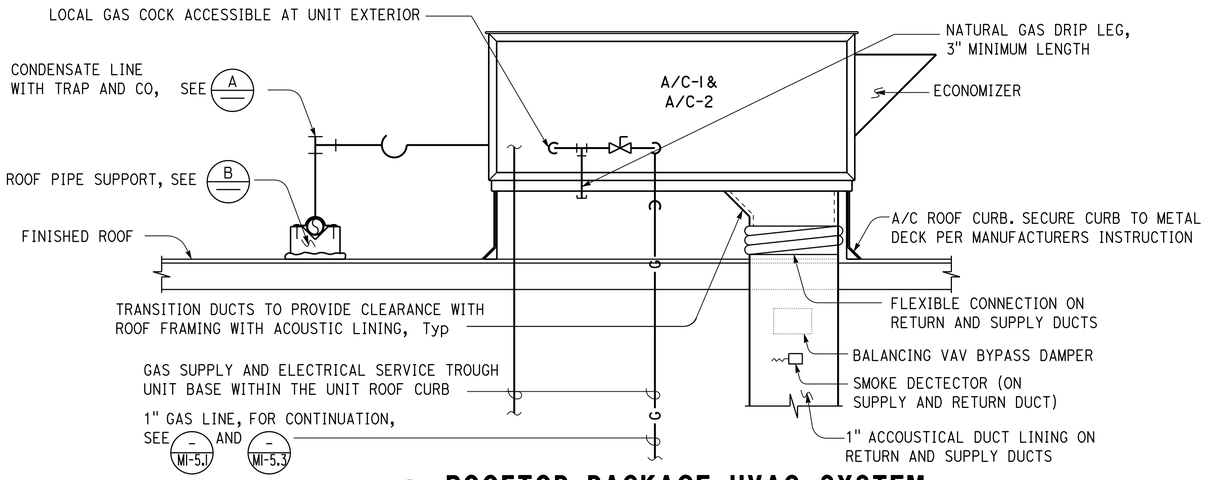
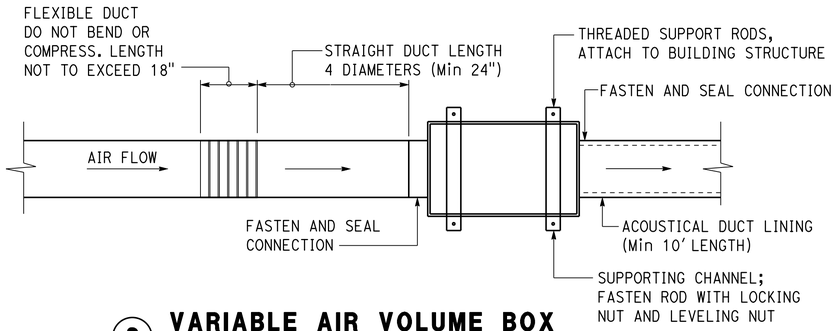


1 ROOFTOP PACKAGE HVAC SYSTEM

NO SCALE



2 VARIABLE AIR VOLUME BOX

NO SCALE

NOTES:

1. The operation of variable air volume terminal units is affected by excessive turbulence on the entering side of each terminal unit. Therefore, terminal units must not be installed too close to main ducts, elbows and fittings. provide a minimum distance as shown in this detail.

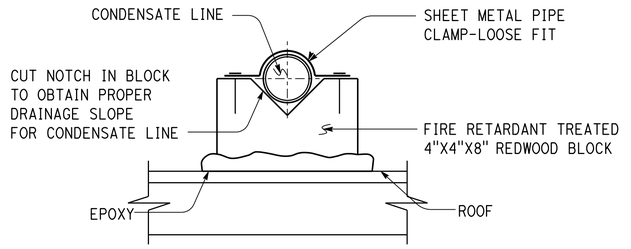
2. When minimum upstream straight duct connection to terminals as indicated above cannot be maintained, provide orifice plate straightening vanes or other device as recommended by terminal unit manufacturer and submit to engineer for review prior to installation.

3. Manufacturer of terminal unit must provide controls on left or right side as required by field conditions.

4. Provide access to permit easy field balance and maintenance of terminal units.

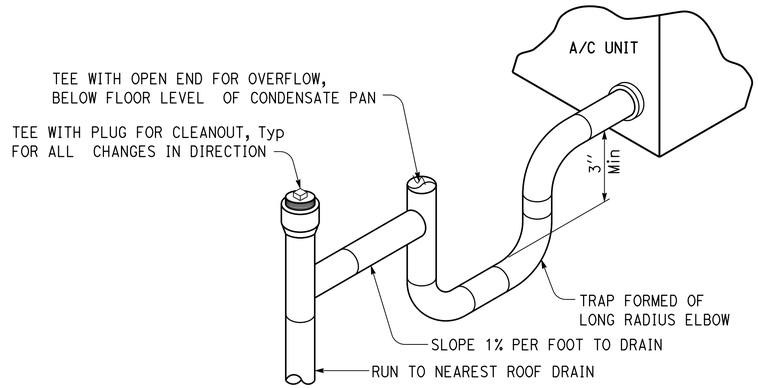
5. All A/C and Water Heaters must be installed per current California Plumbing Code and NFPA 54.

6. VAV units must come from same manufacturer as package HVAC system. No third party units will be allowed.



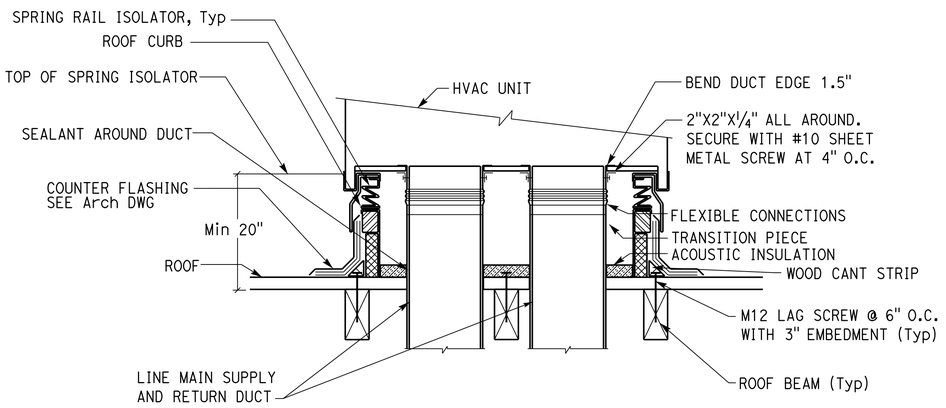
B ROOF PIPE SUPPORT DETAIL

NO SCALE



A CONDENSATE DRAIN DETAIL

NO SCALE



3 ROOF TO HVAC UNIT DETAIL

NO SCALE

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET M1-3.2
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	DETATLS HVAC DETAILS - 2	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin					

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	15	29

TAEMWW Imperial - CCSC Rev. 10/20

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		204	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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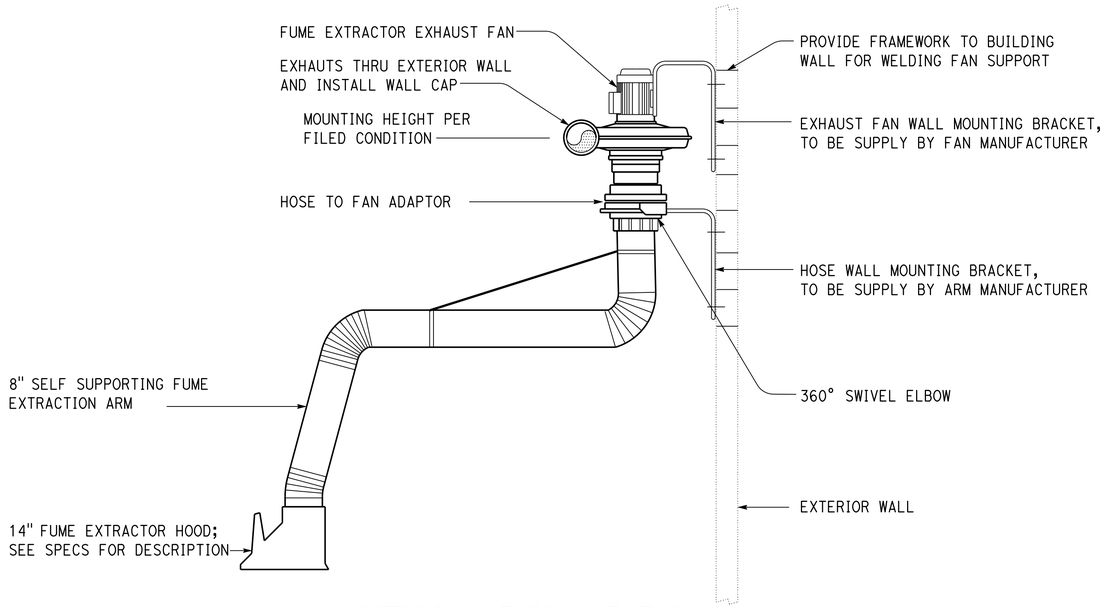
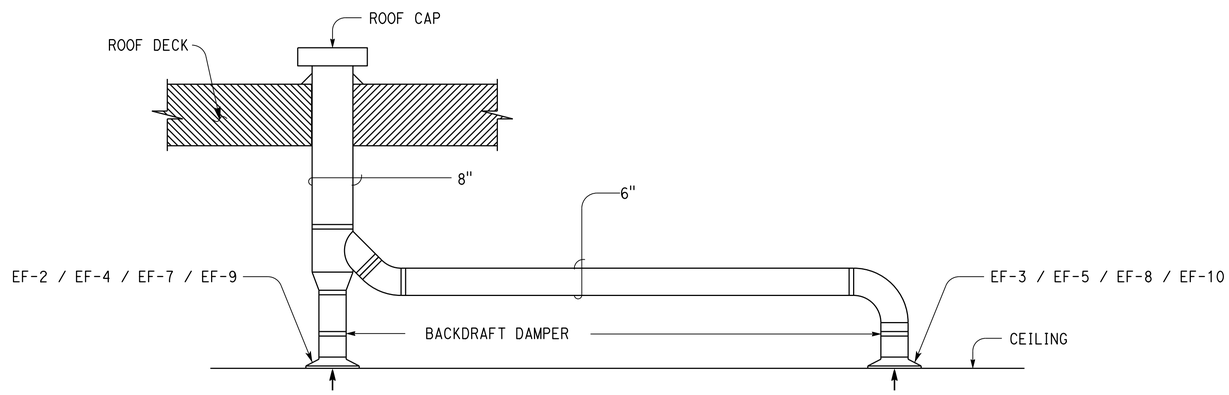


1 WELDING EXHAUST FAN AND EXTRACTION ARM

NO SCALE

NOTE:

The location and size of vent through roof are approximate. The exact location and dimensions will be determined based on approved equipment, orientation, installation, and other equipment layout considerations.



2 EXHAUST FAN

NO SCALE

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET M1-3.3
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	HVAC DETATLS — HVAC DETAILS - 3	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin					

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25			V2	16	29

TAEMWW Imperial - CCSC Rev. 10/20

7-JUL-2025 17:11

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		205	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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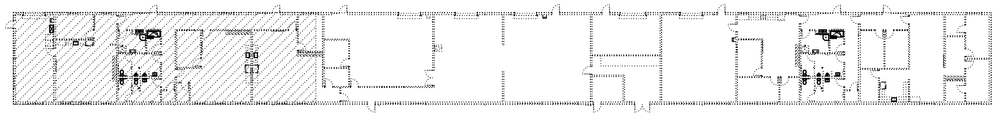
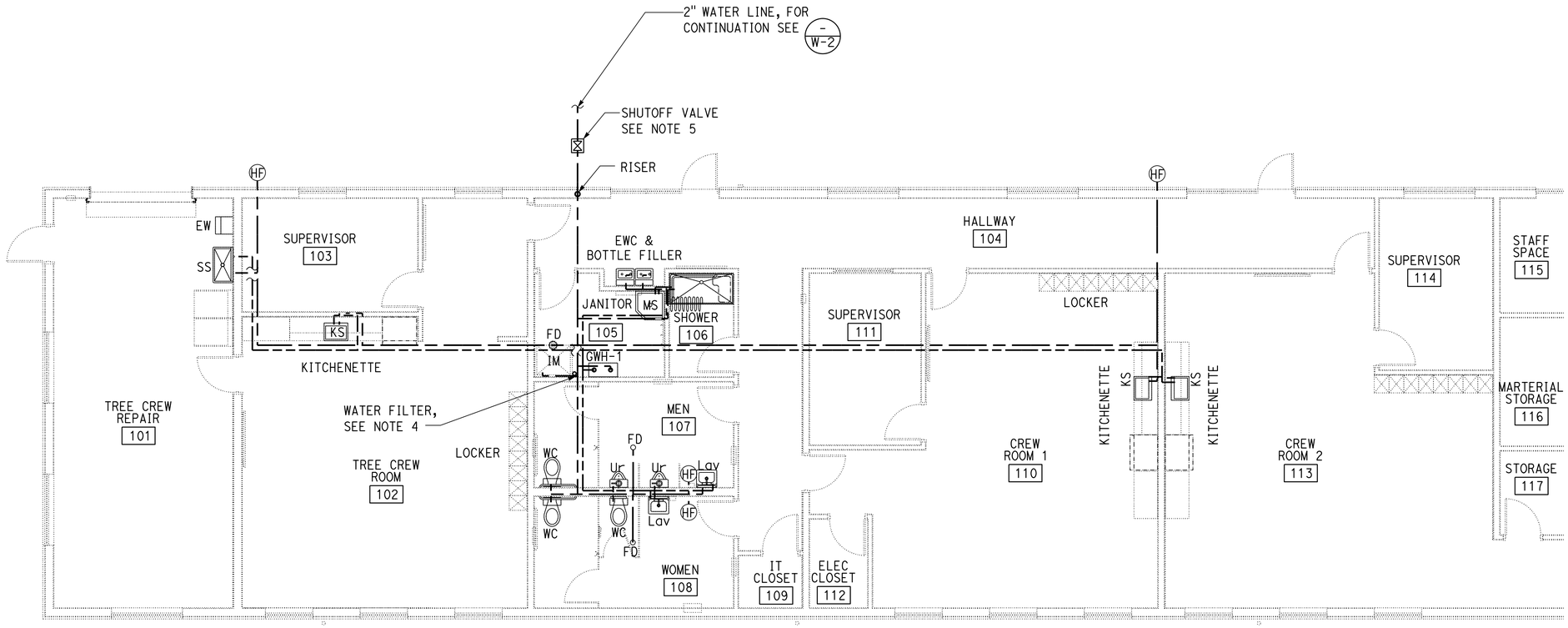


KEY PLAN



NOTES:

1. Refer to M1-0.0 for equipment schedule.
2. For water line sizes, refer to water system isometric on sheet M1-7.1.
3. Refer to drawing M1-2.1 for water heater flue vent roof penetration locations.
4. Ice Machine water filter must be capable of 0.5 micron filtration & 12,000 gallons of service life. Install per manufacturers instructions.
5. Refer to detail 5 on M1-8.1 for shutoff valve in valve box detail.

DOMESTIC WATER PLAN - PARTIAL 1

3/16" = 1'-0"

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — DOMESTIC WATER PLAN - PARTIAL 1

SHEET M1-4.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 7-5-22 | 2-3-23 | 8-25-23 | 12-1-23 | 7-22-24 | 2-3-25 | 5-12-25

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 17 | 29

7-JUL-2025 17:11

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		206	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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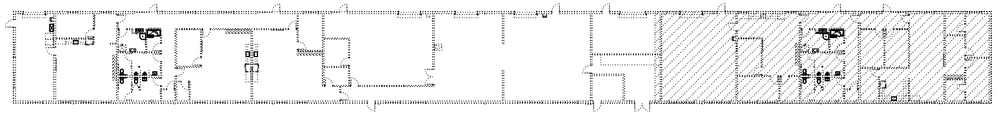
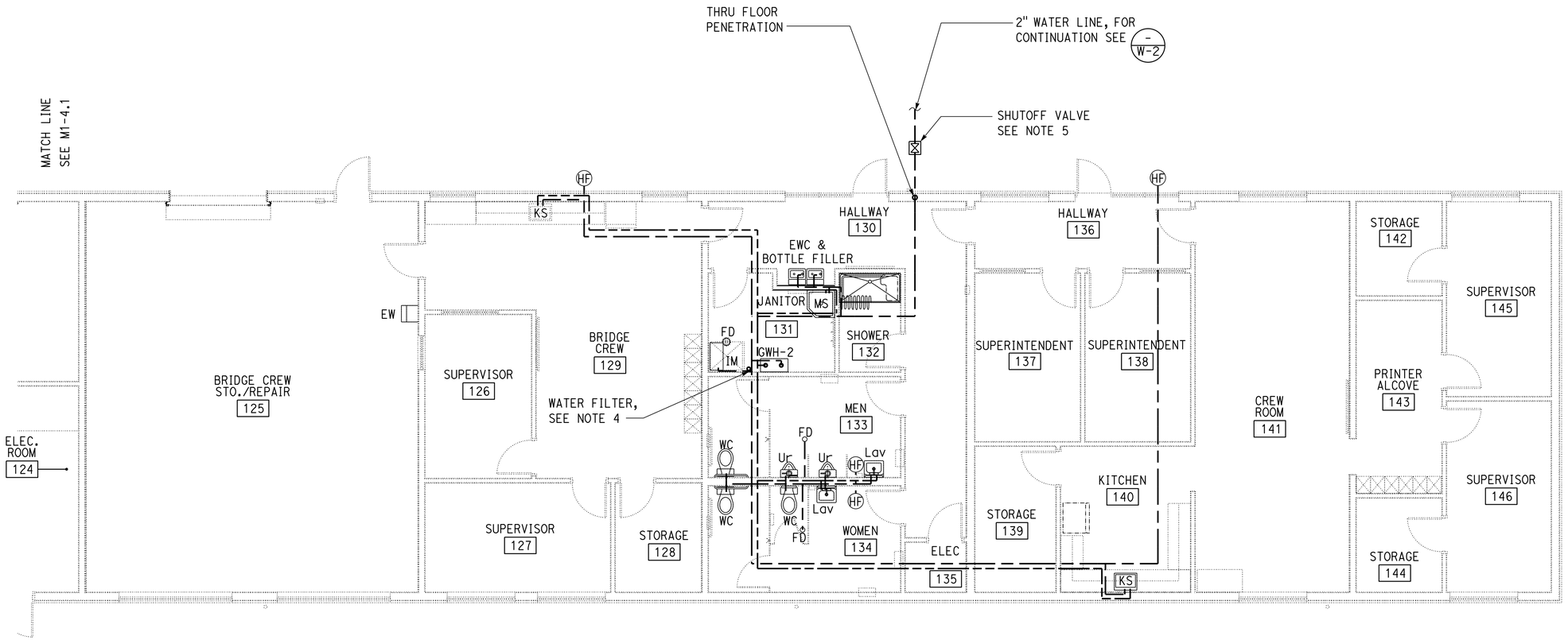


KEY PLAN



NOTES:

1. Refer to M1-0.0 for equipment schedule.
2. For water line sizes, refer to water system isometric on sheet M1-7.1.
3. Refer to M1-2.3 for water heater flue vent roof penetration location.
4. Ice machine water filter must be capable of 0.5 micron filtration & 12,000 gallons of service life. Install per manufacturers instructions.
5. Refer to detail 5 on M1-8.1 for shutoff valve in valve box detail.

DOMESTIC WATER PLAN - PARTIAL 3

3/16" = 1'-0"

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — DOMESTIC WATER PLAN - PARTIAL 3

SHEET M1-4.2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	18	29

TAEMWW Imperial - CCSC Rev. 10/20

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		207	289

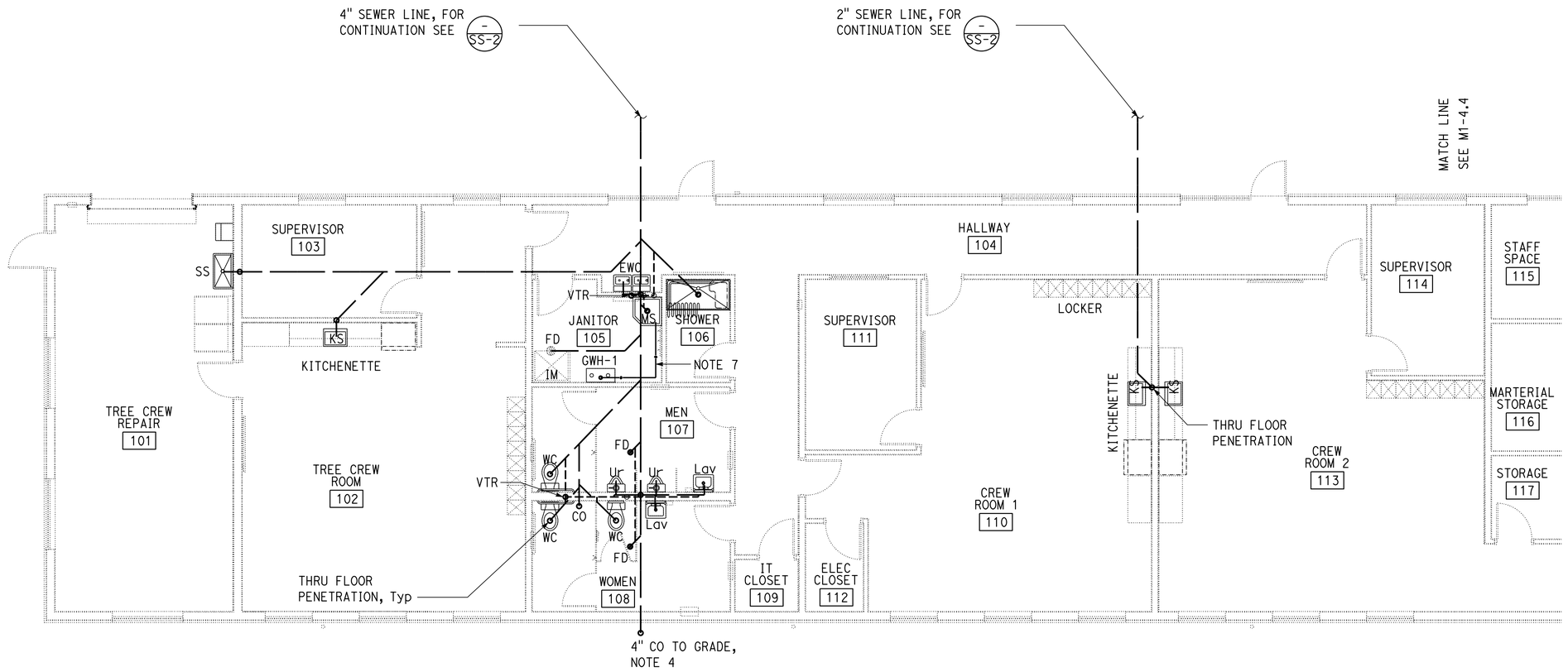
Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — 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.

KEY PLAN



NOTES:

1. All floor drains to have trap primers.
2. Refer to drawing M1-2.1 for sewer vent roof penetration locations.
3. For sewer line sizes refer to sewer isometric on drawing M1-7.2.
4. Refer to detail 6 & 7 on M1-8.1 for sewer cleanout and floor drain details.
5. Waste pipe size to match before penetrating floor & connecting to main.
6. Vent pipe size to match before connecting to main.
7. Terminate WH condensate drain downward & 6 inches above fixture flood level.

SEWER PLAN - PARTIAL 1

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Nick Votino	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY Nick Votino	CHECKED Mark Hedglin	

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

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — SEWER PLAN - PARTIAL 1

SHEET M1-4.3

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	19	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		208	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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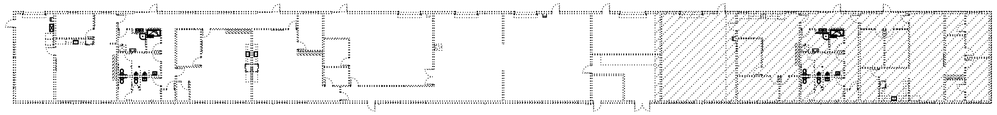

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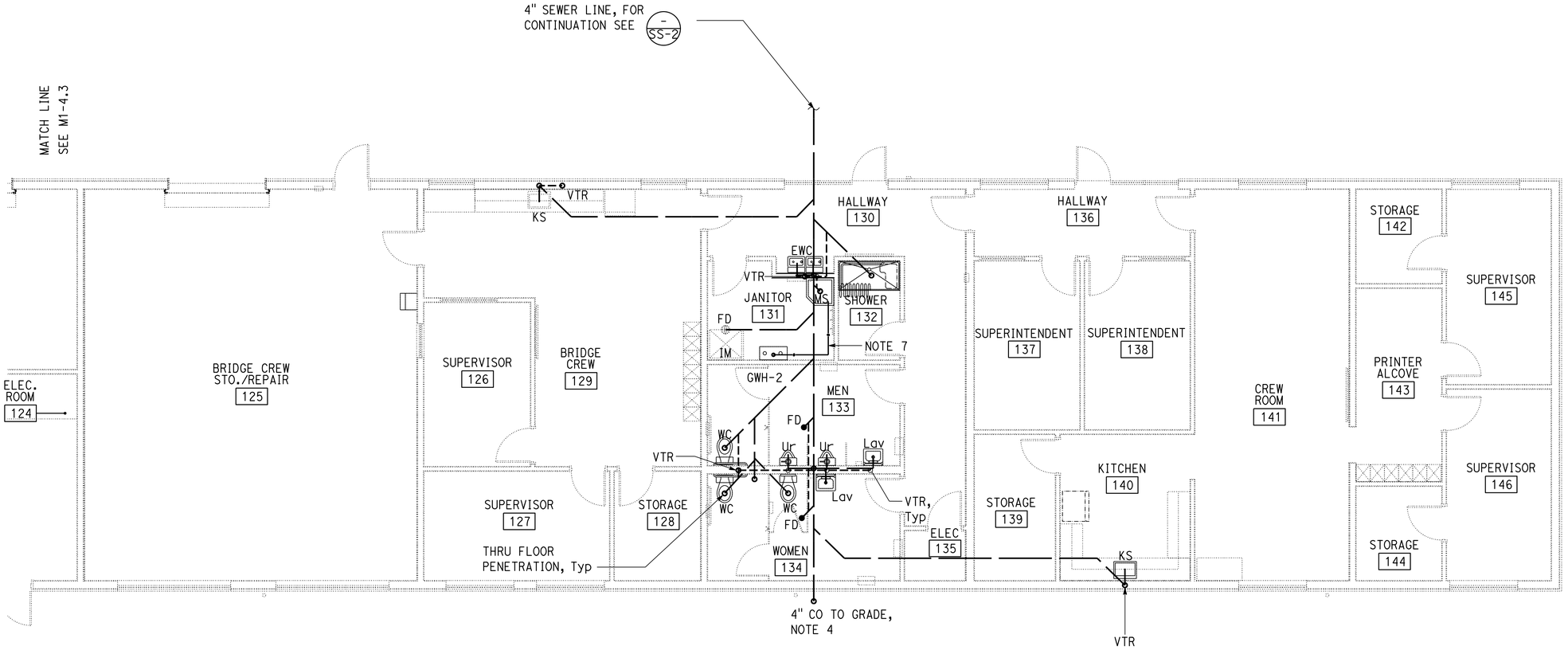

NOTES:

1. Refer to M1-2.3 for sewer venter penetration locations.
2. Refer to M1-7.2 for sewer isometric.
3. Refer to detail 6 & 7 on M1-8.1 for sewer cleanout and floor drain details.
4. Waste pipe size to match before penetrating floor & connecting to main.
5. Vent pipe size to match before connecting to main.
6. Terminate WH drain downward & 6 inches above fixture flood level.

SEWER PLAN - PARTIAL 3

3/16" = 1'-0"

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

FLOOR PLAN

WEST AVE. MAINTENANCE STATION UPGRADE

SEWER PLAN - PARTIAL 3

SHEET M1-4.5

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25	V2	20	29

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7-JUL-2025 17:11

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		209	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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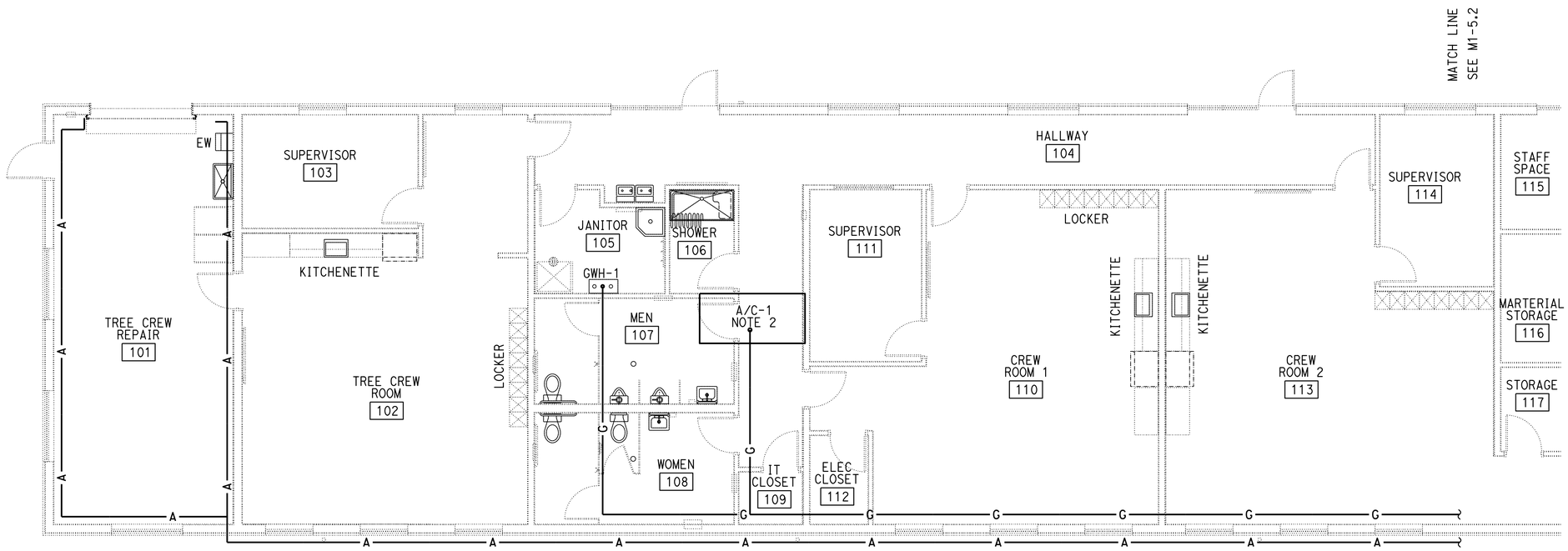
KEY PLAN



NOTES:

1. See M1-0.0 for equipment schedule.
2. Refer to detail 1 on M1-3.2 for a/c natural gas piping layout & details.
3. Refer to detail 1 on M1-8.1 for air compressor detail.
4. Refer to M1-7.3 for natural gas/compressed air line sizes and isometric view.
5. Refer to M1-2.1 for natural gas roof penetration locations.

NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 1

3/16" = 1'-0"

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 1

SHEET M1-5.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 7-5-22 | 2-3-23 | ~~8-25-23~~ | ~~12-1-23~~ | ~~7-22-24~~ | ~~2-3-25~~ | 5-12-25

VERSION V2 | SHEET 21 | OF 29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		210	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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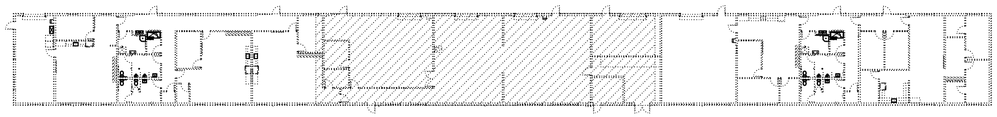
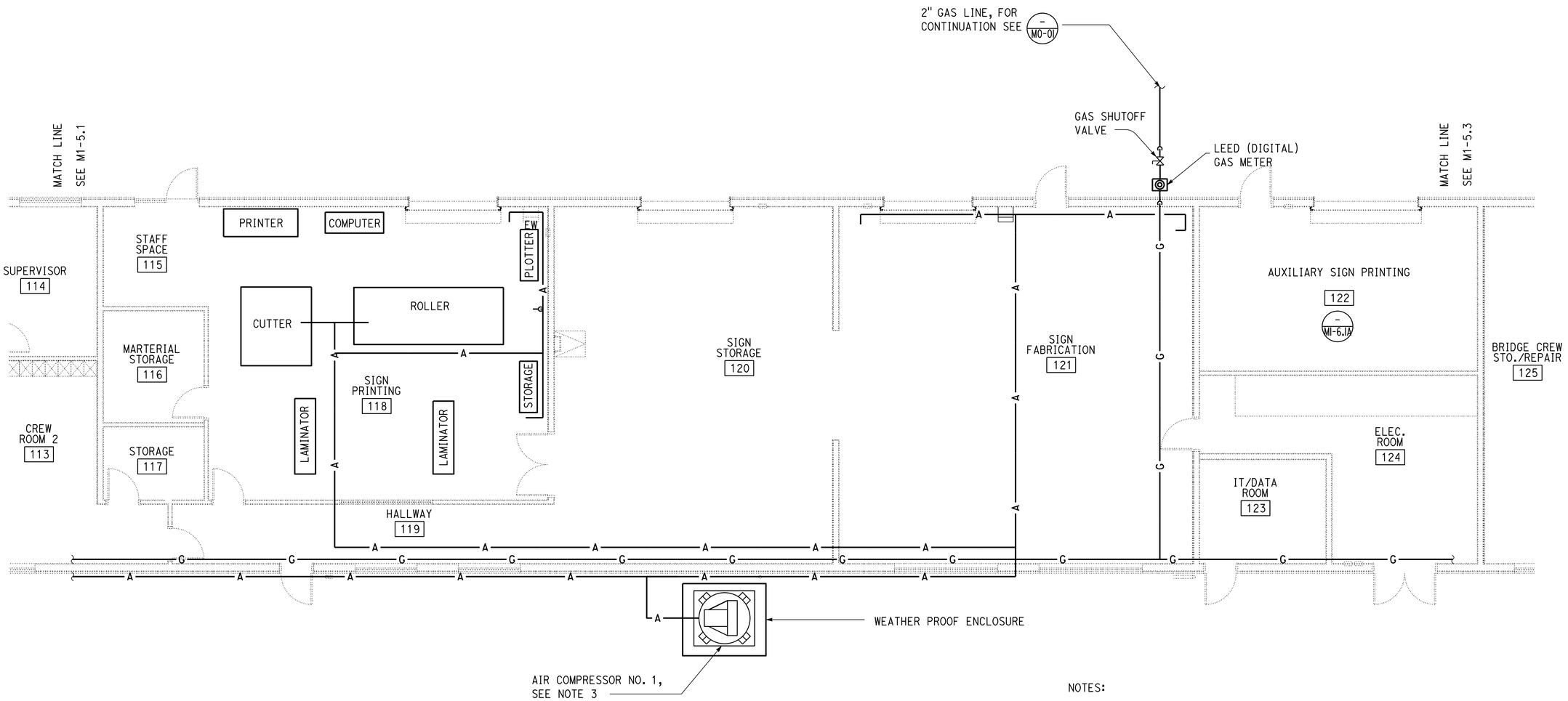


KEY PLAN



NOTES:

1. See M1-0.0 for equipment schedule.
2. Refer to detail 1 on M1-3.2 for a/c natural gas piping layout & deatils.
3. Refer to detail 1 on M1-8.1 for air compressor detail.
4. Refer to M1-2.2 for natural gas roof penetration locations.
5. Route air lines to avoid crossing windows and doorways, slope all air piping towards outlets.

NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 2

3/16" = 1'-0"

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 2

SHEET M1-5.2

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	22	29

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7-JUL-2025 17:12

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		211	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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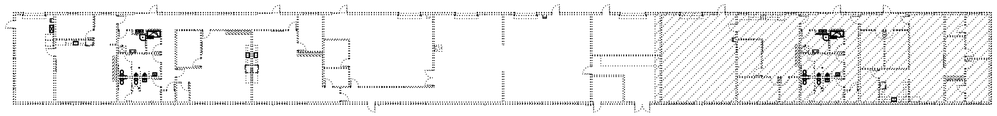
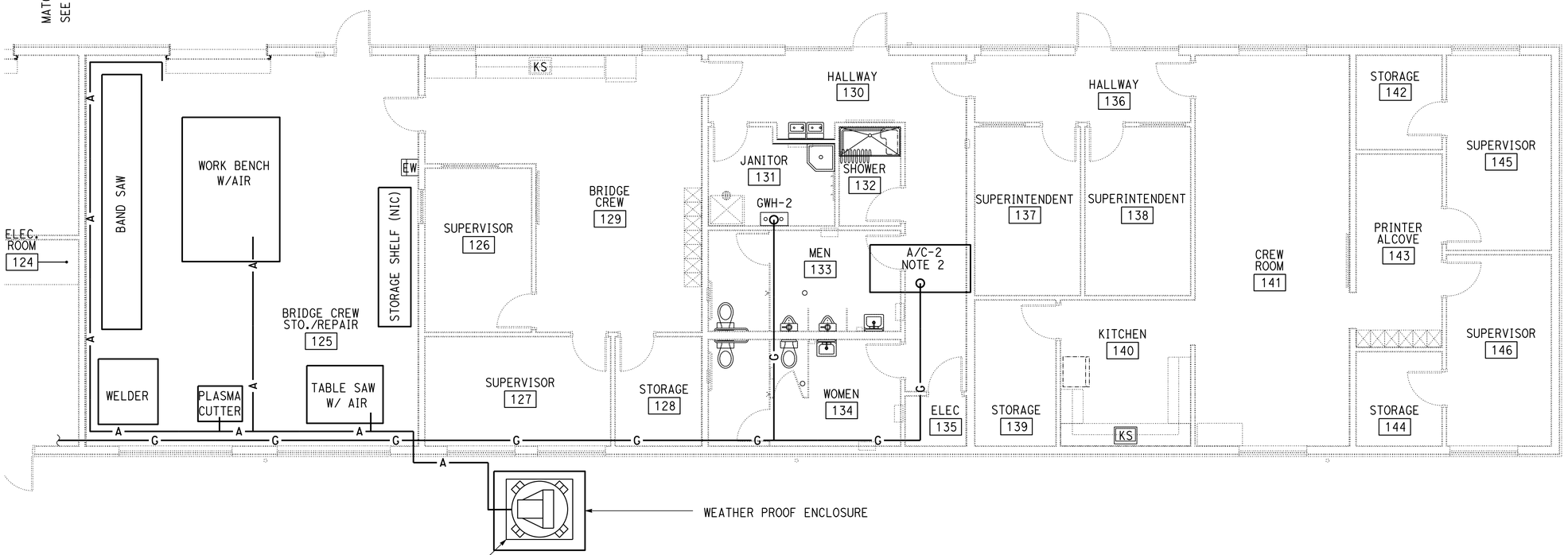


KEY PLAN



NOTES:

1. See M1-0.0 for equipment schedule.
2. Refer to detail 1 on M1-3.2 for a/c natural gas piping layout & deatils.
3. Refer to detail 1 on M1-8.1 for air compressor detail.
4. Refer to M1-2.3 for natural gas roof penetration location.

NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 3

3/16" = 1'-0"

Approved for mechanical work only.

DESIGN	BY Nick Votino	CHECKED Mark Hedglin	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY Nick Votino	CHECKED Mark Hedglin	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN: NATURAL GAS/COMPRESSED AIR PLAN - PARTIAL 3

SHEET M1-5.3

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	23	29

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7-JUL-2025 17:12

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		212	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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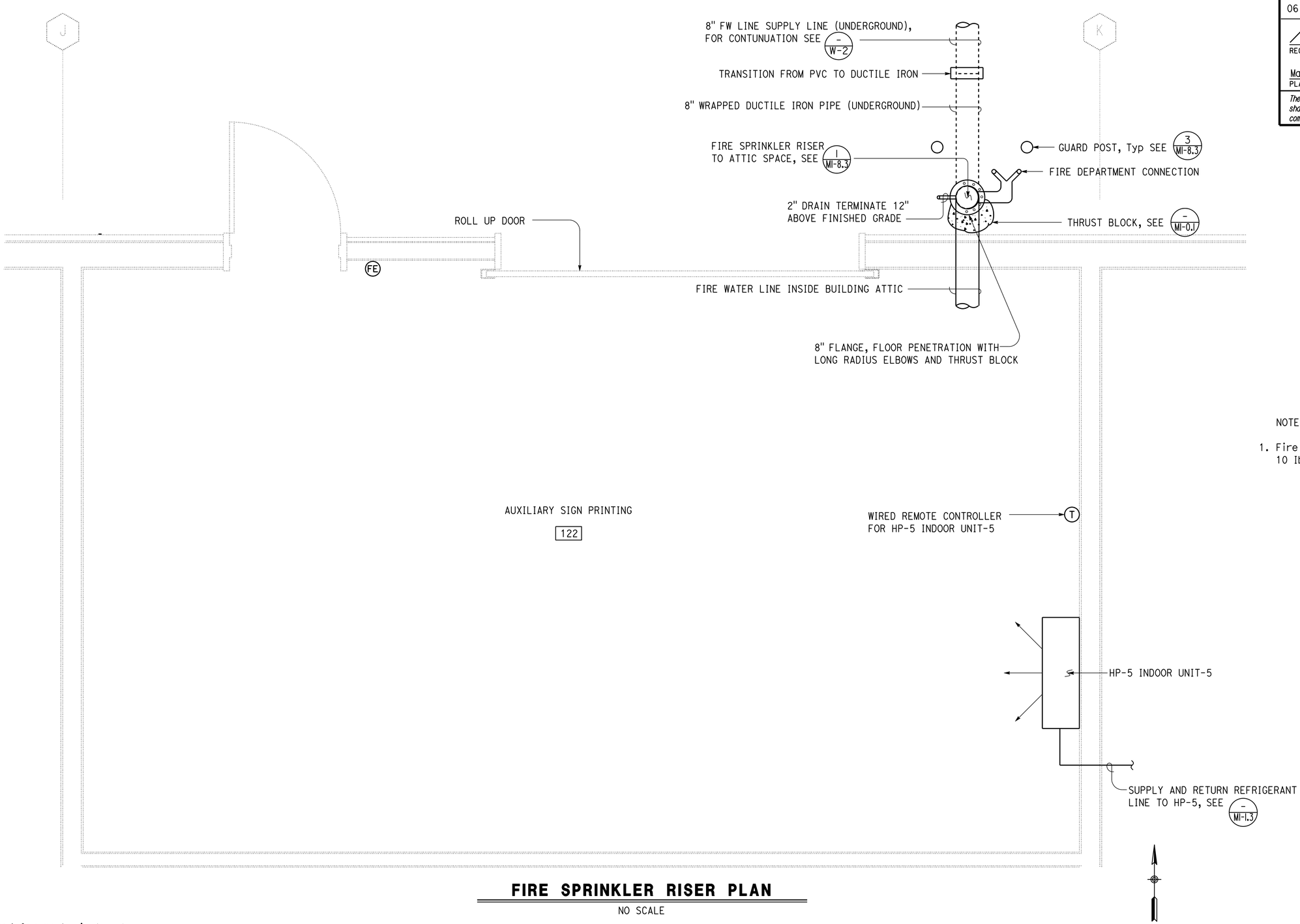

FIRE SPRINKLER RISER PLAN

NO SCALE

NOTE:

1. Fire extinguisher must be 3A:40B:C, 10 lb. Bracket mounted.

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin			

WEST AVE. MAINTENANCE STATION UPGRADE

FLOOR PLAN — AUXILIARY SIGN PRINTING ROOM

SHEET M1-6.1A

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)									VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25			V2	24	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		213	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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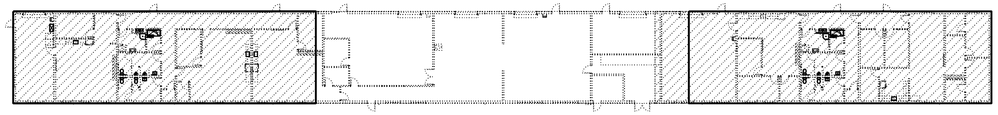
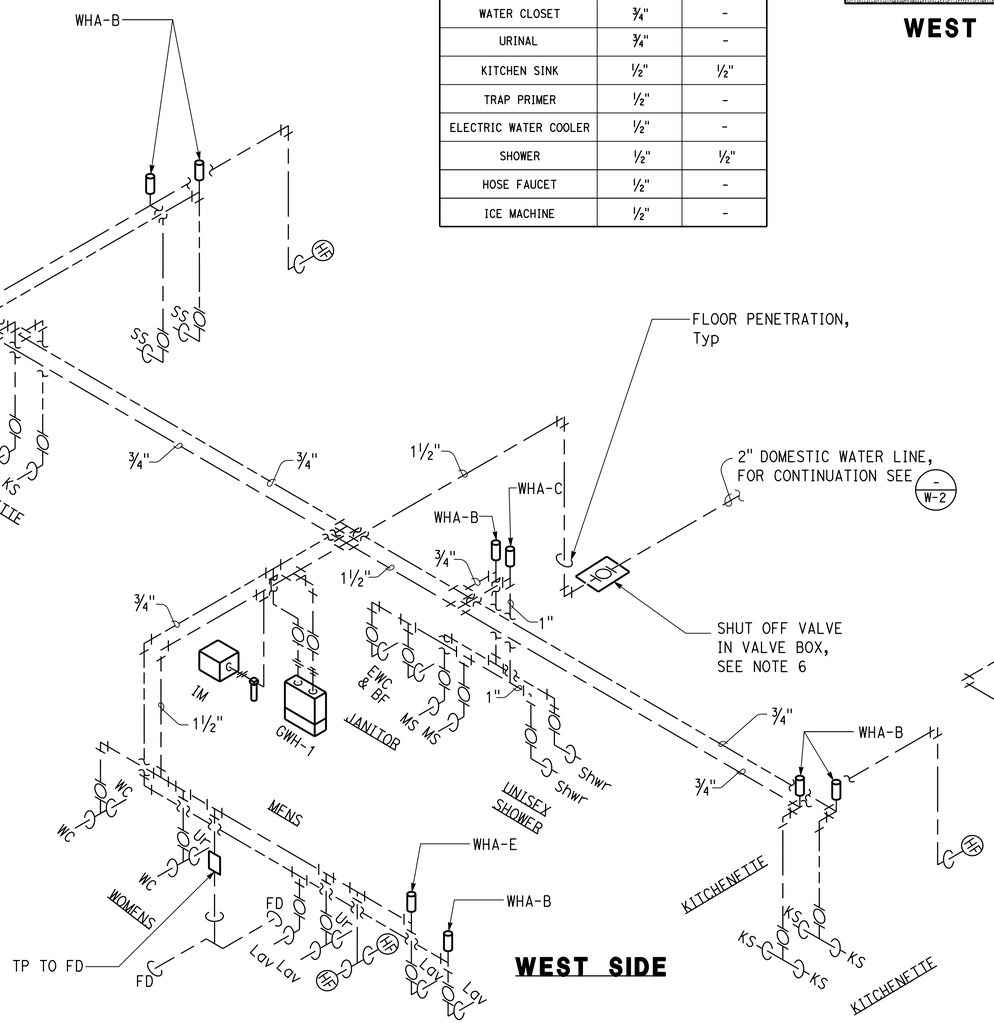
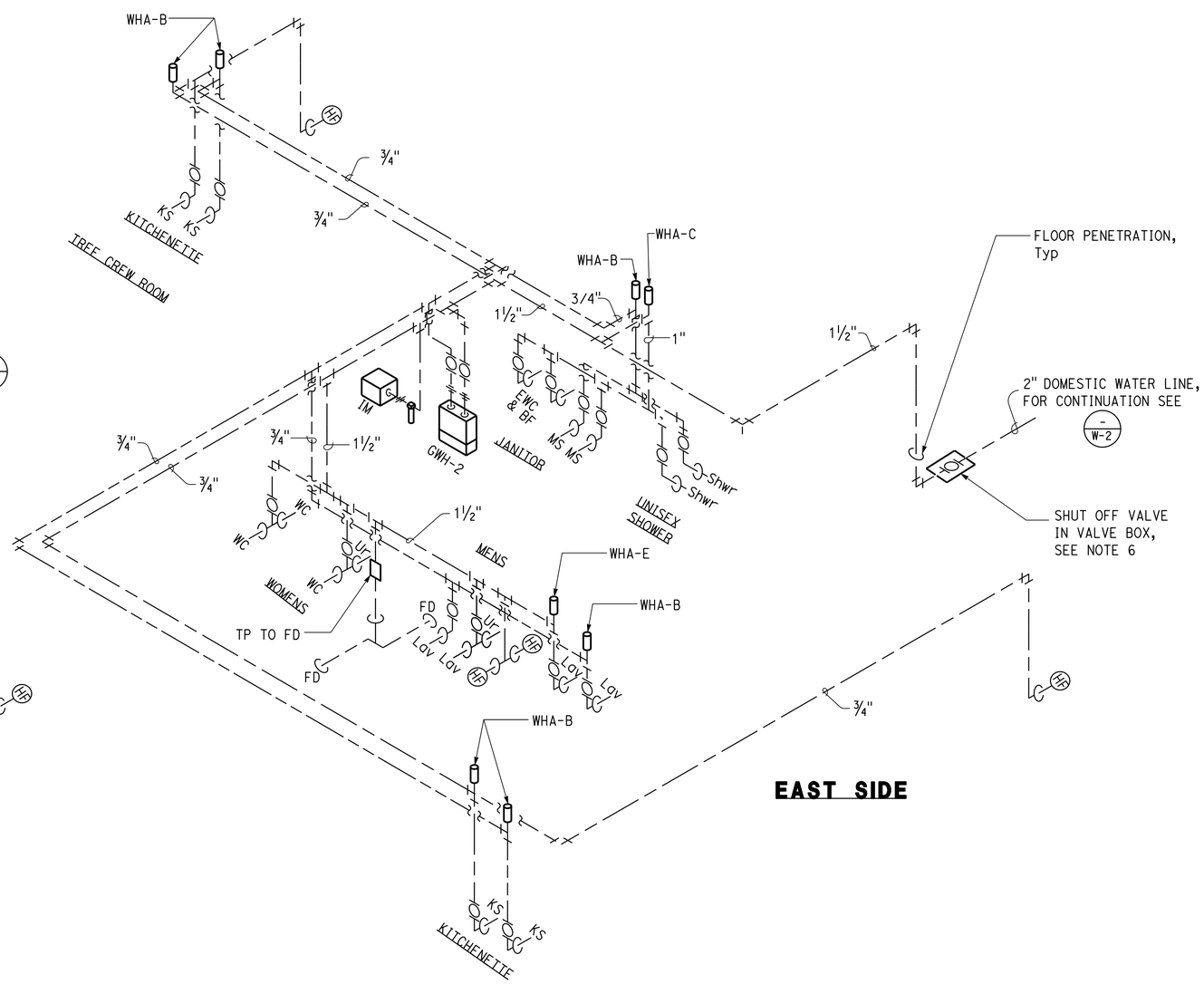
PLUMBING SCHEDULE

FIXTURE	MINIMUM CONNECTIONS	
	COLD WATER	HOT WATER
WATER HEATER	1"	1"
LAVATORY	½"	½"
WATER CLOSET	¾"	-
URINAL	¾"	-
KITCHEN SINK	½"	½"
TRAP PRIMER	½"	-
ELECTRIC WATER COOLER	½"	-
SHOWER	½"	½"
HOSE FAUCET	½"	-
ICE MACHINE	½"	-

KEY PLAN







NOTES:

1. All floor drains to have trap primers.
2. Refer to M1-4.1 for west side water plan.
3. Refer to M1-4.2 for east side water plan.
4. Refer to M1-0.0 for equipment schedule.
5. Shutoff valves where concealed, must be accessible through wall plate.
6. Refer to detail 5 on M1-8.1 for shutoff valve in valve box detail.

DOMESTIC WATER ISOMETRIC

NO SCALE

Approved for mechanical work only.

DESIGN	BY Nick Votino	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET M1-7.1
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	ISOMETRIC — DOMESTIC WATER ISOMETRIC	
QUANTITIES	BY Nick Votino	CHECKED Mark Hedglin					

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
07-BSED22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25	V2	25	29

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7-JUL-2025 17:12

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		214	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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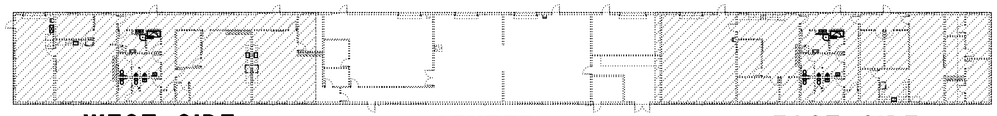
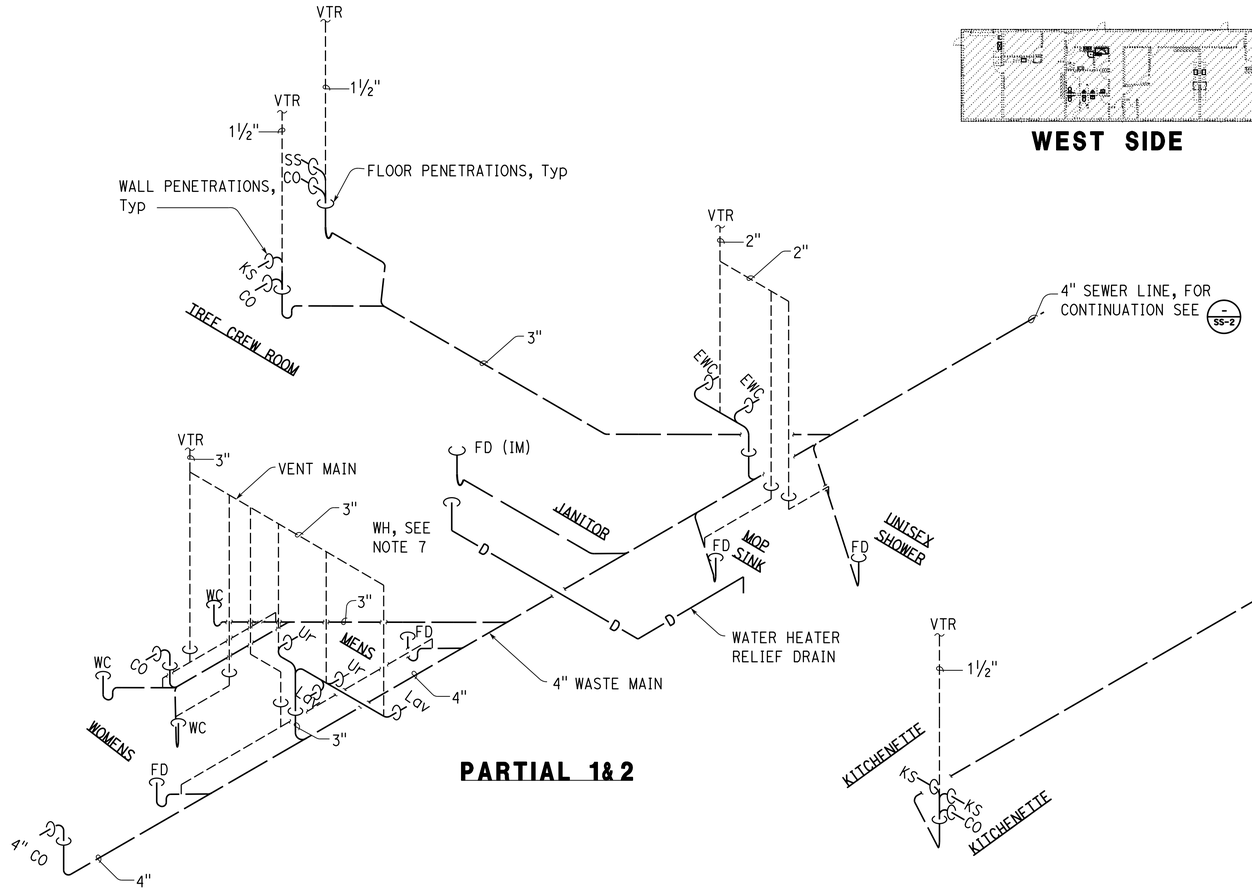
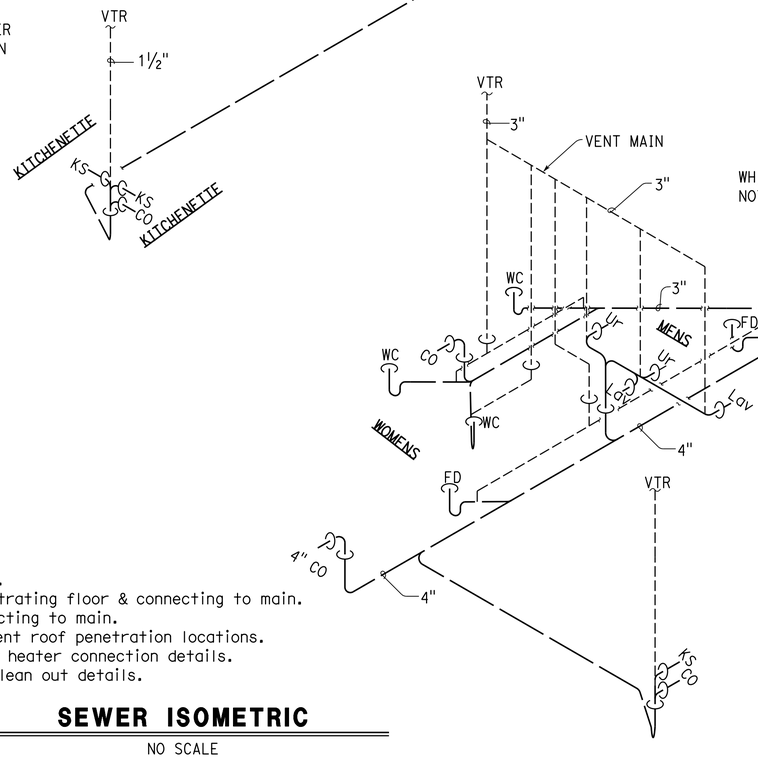
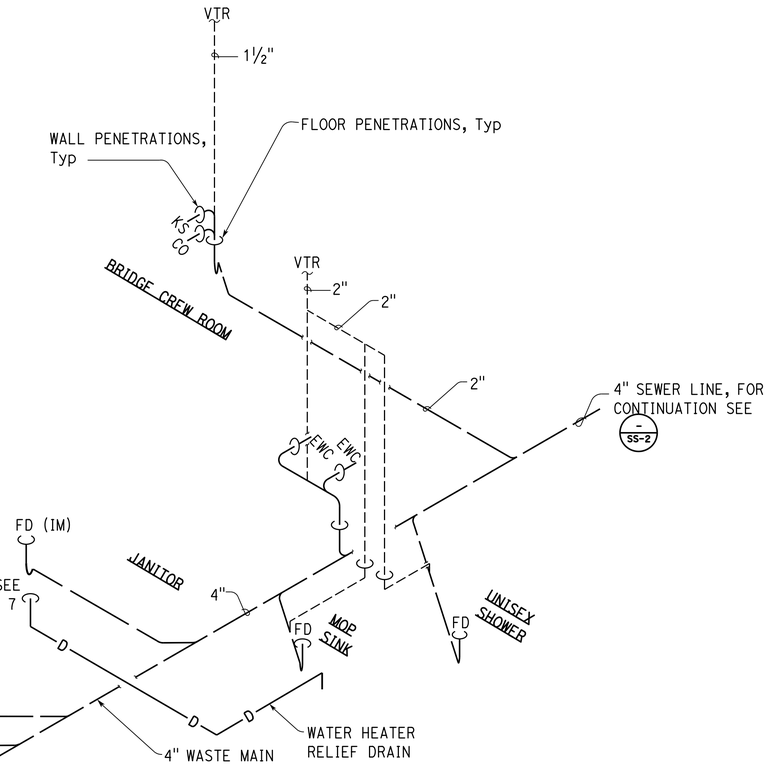
KEY PLAN





PARTIAL 1&2





PARTIAL 3

PLUMBING SCHEDULE

FIXTURE	DRAINAGE ROUGH-IN	TRAP SIZE	VENT SIZE
WATER HEATER	¾"	-	-
LAVATORY	2"	1½"	1¼"
WATER CLOSET	3"	-	2"
URINAL	2"	-	1½"
KITCHEN SINK	2"	1½"	1½"
TRAP PRIMER	-	-	-
FLOOR DRAIN	3"	3"	1½"
CLEAN OUT	3"	3"	-

NOTES:

1. All floor drains to have trap primers.
2. Waste pipe size to match before penetrating floor & connecting to main.
3. Vent pipe size to match before connecting to main.
4. Refer to M1-2.1 & M1-2.3 for sewer vent roof penetration locations.
5. Refer to detail 8 on M1-8.1 for water heater connection details.
6. Refer to detail 6 & 7 on M1-8.1 for clean out details.

SEWER ISOMETRIC

NO SCALE

Approved for mechanical work only.

	BY	CHECKED
DESIGN	Nick Votino	Mark Hedglin
DETAILS	Angela Chen	Mark Hedglin
QUANTITIES	Nick Votino	Mark Hedglin

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ISOMETRIC — SEWER ISOMETRIC

SHEET M1-7.2

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	26	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		215	289

Nicholas Votino — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — STATE OF CALIFORNIA

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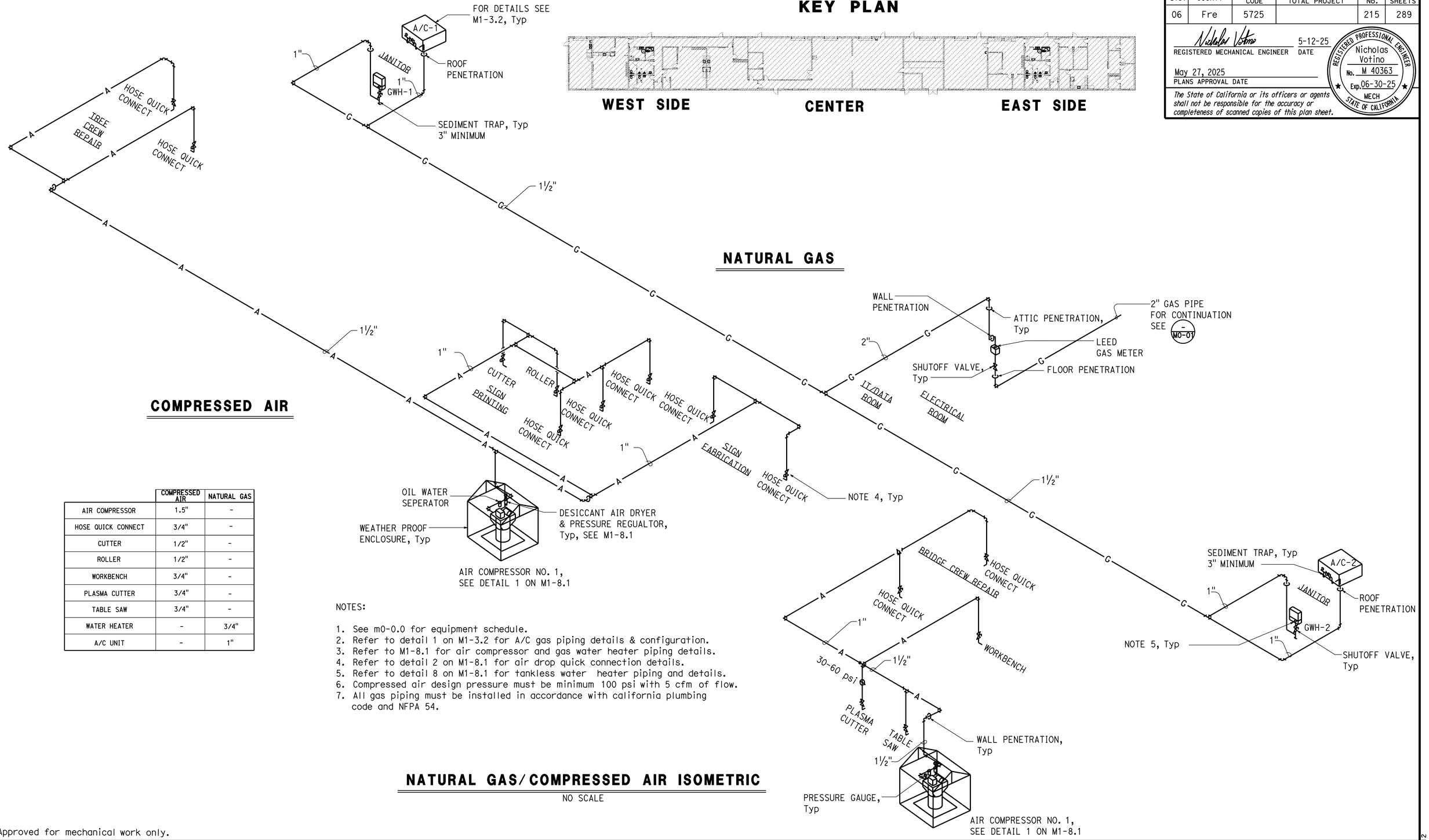
KEY PLAN

WEST SIDE | CENTER | EAST SIDE



	COMPRESSED AIR	NATURAL GAS
AIR COMPRESSOR	1.5"	-
HOSE QUICK CONNECT	3/4"	-
CUTTER	1/2"	-
ROLLER	1/2"	-
WORKBENCH	3/4"	-
PLASMA CUTTER	3/4"	-
TABLE SAW	3/4"	-
WATER HEATER	-	3/4"
A/C UNIT	-	1"

NOTES:

1. See m0-0.0 for equipment schedule.
2. Refer to detail 1 on M1-3.2 for A/C gas piping details & configuration.
3. Refer to M1-8.1 for air compressor and gas water heater piping details.
4. Refer to detail 2 on M1-8.1 for air drop quick connection details.
5. Refer to detail 8 on M1-8.1 for tankless water heater piping and details.
6. Compressed air design pressure must be minimum 100 psi with 5 cfm of flow.
7. All gas piping must be installed in accordance with california plumbing code and NFPA 54.

NATURAL GAS/COMPRESSED AIR ISOMETRIC

NO SCALE

Approved for mechanical work only.

DESIGN	BY Nick Votino	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE NO. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE
DETAILS	BY Angela Chen	CHECKED Mark Hedglin			POST MILE	ISOMETRIC: NATURAL GAS/COMPRESSED AIR ISOMETRIC
QUANTITIES	BY Nick Votino	CHECKED Mark Hedglin				SHEET M1-7.3

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	27	29

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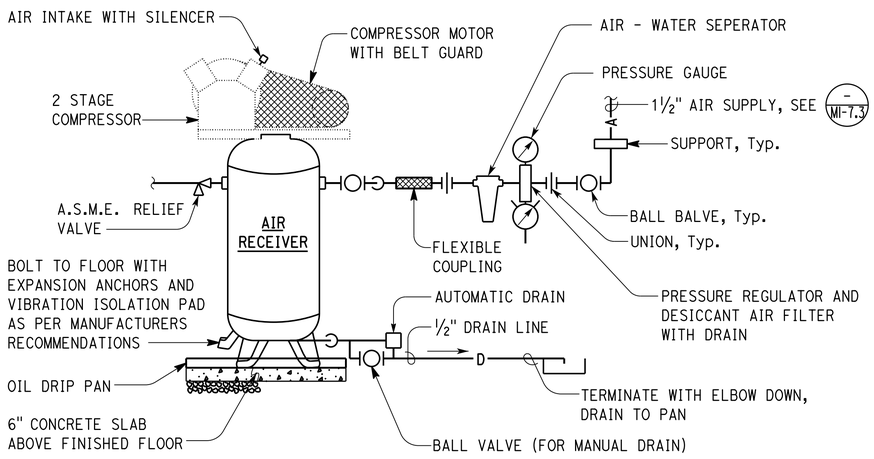
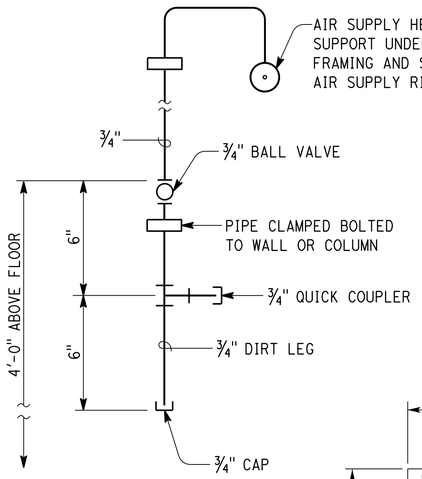


1 AIR COMPRESSOR

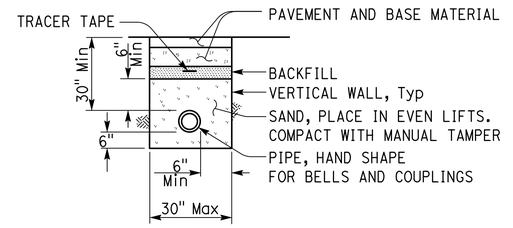
NO SCALE

SEE NOTE 1

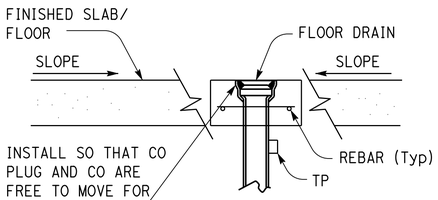


2 AIR DROP

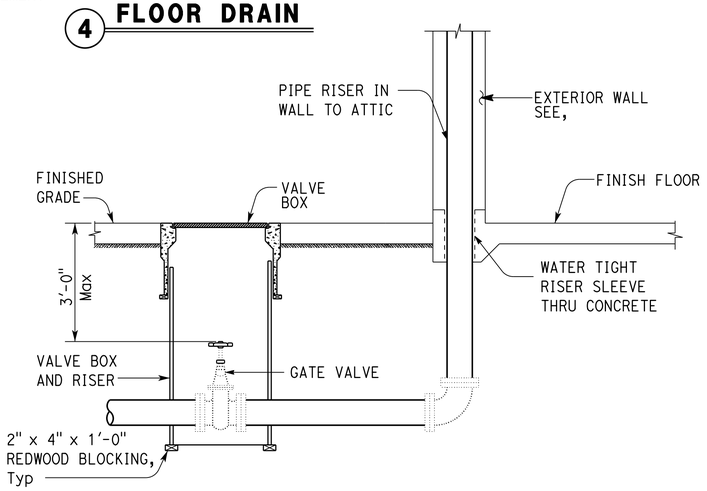
NO SCALE



3 BURIED PIPE UNDER PAVEMENT



4 FLOOR DRAIN

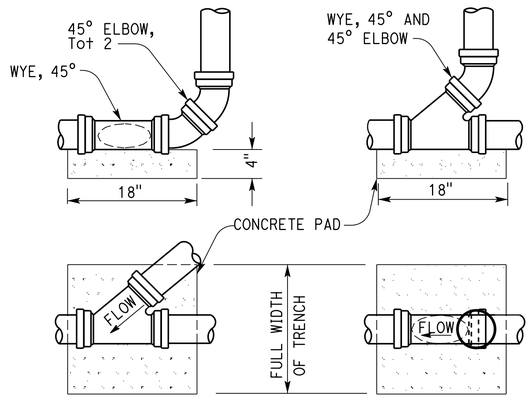


5 WATER MAIN VALVE BOX SECTION

NO SCALE

NOTES:

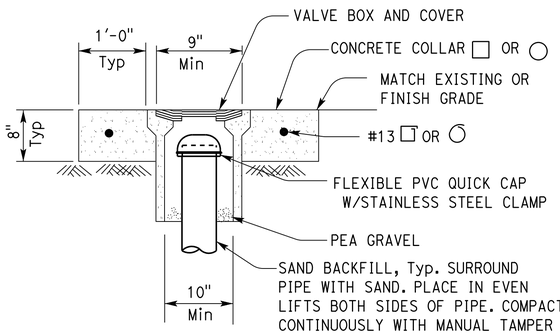
1. Outdoor weather proof enclosure not shown. Refer to compressor air system specification 99-11146 for details.
2. Condensate drain lines must be installed with neutralization kits and bypass overflow.



NOTE:
Surround pipes with sand in 6 inch lifts, compact with manual tamper

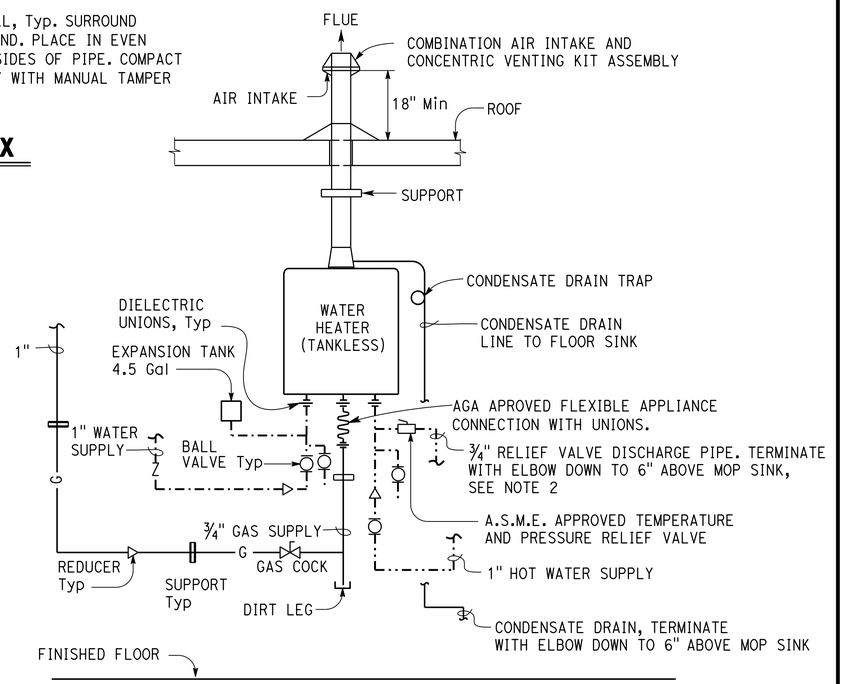
6 CLEANOUT TO FLOOR

NO SCALE



7 COTF ACCESS BOX

NO SCALE



8 NATURAL GAS WATER HEATER (TANKLESS)

NO SCALE

Approved for mechanical work only.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		216	289

Nicholas Votino — REGISTERED MECHANICAL ENGINEER — 5-12-25 DATE

May 27, 2025 PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Nicholas Votino — No. M 40363 — Exp. 06-30-25 — MECH — 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.

DESIGN	BY Nick Votino	CHECKED Mark Hedglin	
DETAILS	BY Angela Chen	CHECKED Mark Hedglin	
QUANTITIES	BY Nick Votino	CHECKED Mark Hedglin	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PLUMBING DETATLS — PLUMBING DETAILS

SHEET M1-8.1

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
1-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	28	29

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		217	289

Shahjahan Ali — 5-12-25
REGISTERED MECHANICAL ENGINEER — DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Shahjahan Ali — No. M 32144 — Exp. 09-30-26 — MECH — STATE OF CALIFORNIA

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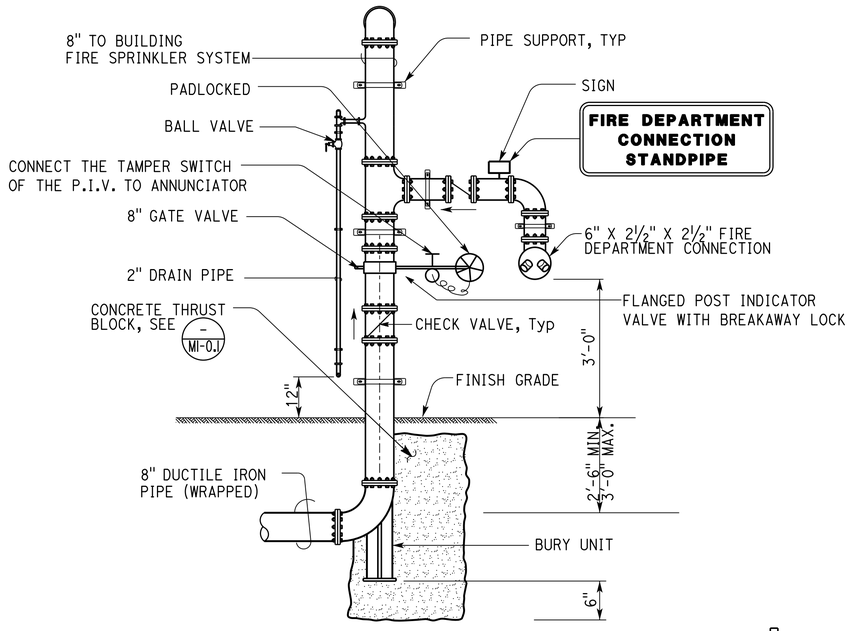


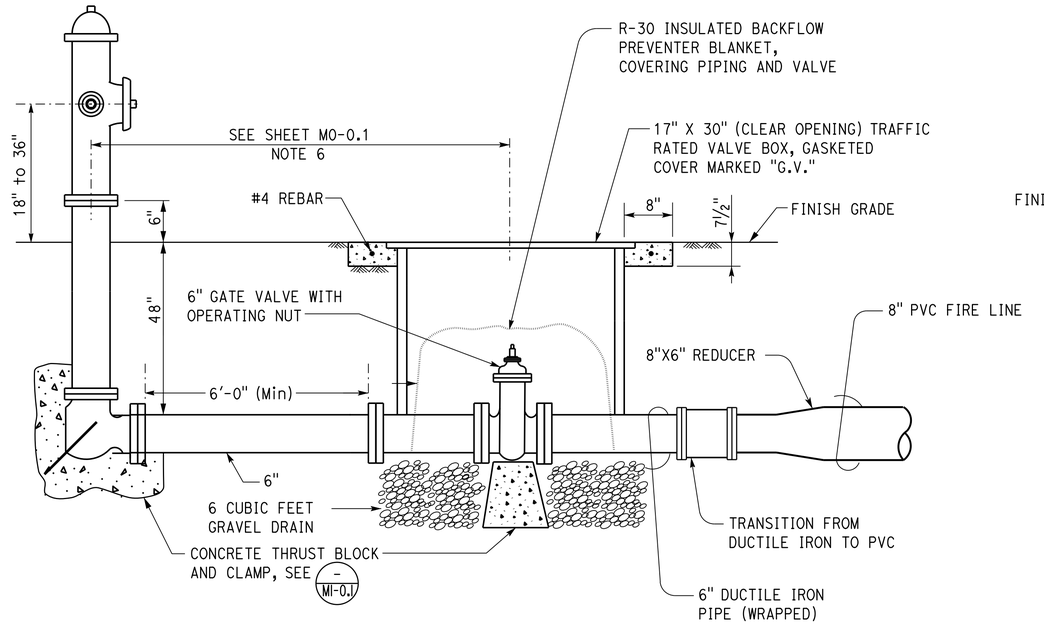
NOTE: ALL material must be U.L.-F.M. approved.

1 FIRE SPRINKLER RISER

NO SCALE

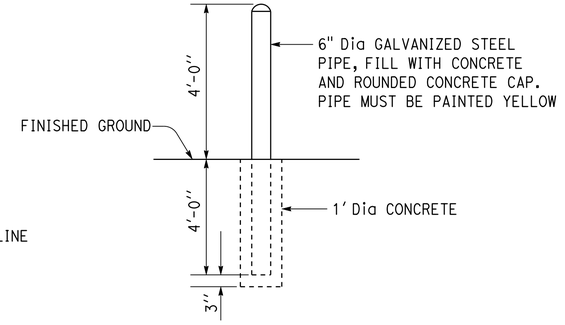
NOTES:

1. This drawing is for reference only, additional accessories and fitting may be required to comply with state and local fire authority requirements.
2. Piping connections and equipment are shown offset for clarity.
3. All underground metal pipe and fittings must be wrapped.
4. The automatic fire sprinkler system must conform to the requirements of the 2022 edition of NFPA 13. Installation of the fire sprinkler system must not be started until complete plans, specifications and submittals (including water supply information and type of existing system, if any) have been approved by the California State Fire Marshal. At various stages and upon completion, the system must be tested in the presence of the California State Fire Marshal.
5. Comply with the requirements of 2022 NFPA 24. See specific requirements under chapters 4, 5 and 7.



2 FIRE HYDRANT DETAIL

NO SCALE



3 GUARD POST

NO SCALE

NOTES:

1. Space between guard posts must be within 4 feet between post centers.
2. A 3-foot clear space must be maintained around the circumference of the fire hydrant.

Approved for mechanical work only.

DESIGN	BY Shahjahan Ali	CHECKED Mark Hedglin	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725 POST MILE	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET M1-8.3
DETAILS	BY Angela Chen	CHECKED Mark Hedglin				DETATLS: FIRE PLUMBING DETAILS - 2	
QUANTITIES	BY Shahjahan Ali	CHECKED Mark Hedglin					

TAEMWW Imperial - CCSC Rev. 10/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3615 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
7-5-22	2-3-23	8-25-23	12-1-23	7-22-24	2-3-25	5-12-25		V2	29	29

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7-JUL-2025 17:12

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		218	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES

A. All dimensions must be verified prior to starting construction. Designer of record must be notified of any discrepancies or inconsistencies between the drawings, specifications and actual field conditions. In the event of a conflict, request clarification from the project designer prior to commencement of the work in conflict.

B. Location of equipment and conduit stub ups are diagrammatic only. Coordinate with approved equipment manufacturer for exact locations of conduit stub ups and provide shop drawings for approval, prior to pouring the concrete.

C. Electrical equipment locations indicated are shown diagrammatically. Exact location must be verified and adjusted for field conditions.

D. Coordinate all work with other trades. Obtain all drawings that will require coordination and provide all electrical connections required whether shown on electrical drawings or not.

E. The department and local utility (if required) must be notified of any utility service disconnection required for this project at least ten (10) days prior to any disconnection.

F. All devices and equipment required to complete this project must be UL listed.

G. PVC coated rigid steel conduit must be used for all base elbows and vertical risers through concrete slabs inside and outside the buildings.

H. High leg (stinger) must be on B-phase on all 240 Volt, 3-phase, 4-wire panelboards (if applicable) and no single phase load be connected to it.

I. Seismic bracing and anchorage for all electrical equipment must be installed per manufacturer's recommendation and applicable codes.

J. Perform short circuit studies and arc flash hazard analysis for all electrical systems, see specifications for details.

K. Provide arc flash hazard warning labels as shown on details 1 and 2 of EE1-93 on front doors of all panelboards, disconnects and control panels.

L. Provide available fault current label per CEC 110.24.

M. Provide appropriate lugs for circuit breakers to accommodate sets of runs and oversized conductors.

N. Not all existing pull boxes are shown. After removing pull boxes and electrical equipment where required, fill cavity to match surrounding surfaces.

O. Where required to trench, disturbed and damaged surfaces must be patched to match surrounding surfaces.

P. All cables and conductors inside pull boxes must be grouped using stainless steel cable ties and clearly identified using nameplate as specified.

Q. Raceway installation and support must be per CEC 300.18, 300.19 and CEC 358.30(A), 358.30(B) and other applicable codes.

R. Provide pull tape (PT) in all empty conduits.

S. For building's room name and numbers, see EE0-4.

T. In finished interior areas, run all conduits concealed, unless otherwise noted. Paint all exposed conduits and electrical equipment.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN SUPERVISOR Kosha K. Shah	DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DESIGN ENGINEER Samira Javid	DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
	QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

GENERAL NOTES

SHEET **EE0-1**

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)										VERSION	SHEET	OF
12-03-22										V2	1	62

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		219	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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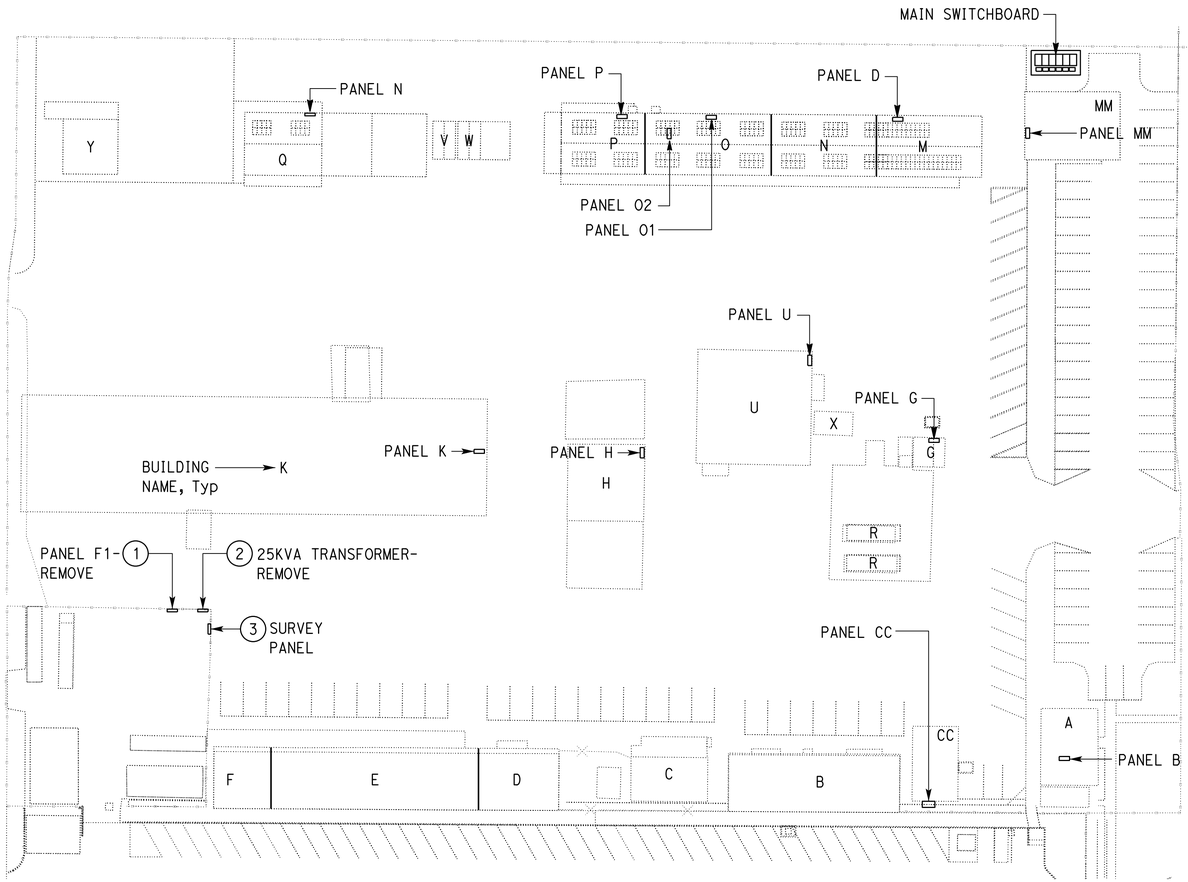

SITE PLAN
1" = 40'-0"

GENERAL NOTES:

A. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.

B. Not all existing electrical systems, components, conduits and conductors are shown.

C. For building names and site related removal, see Architectural plan sheets.

NOTES:

(1) Remove panel and associated conuit/conductors.

(2) Remove transformer and associated conuit/conductors.

(3) Survey panel will be fed from new panel B circuit 29 inside room 112.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN — EXISTING SITE PLAN

SHEET EE0-2

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
12-03-22	01-06-23	02-25-23	08-15-23	11-27-23		V2	2	62

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		220	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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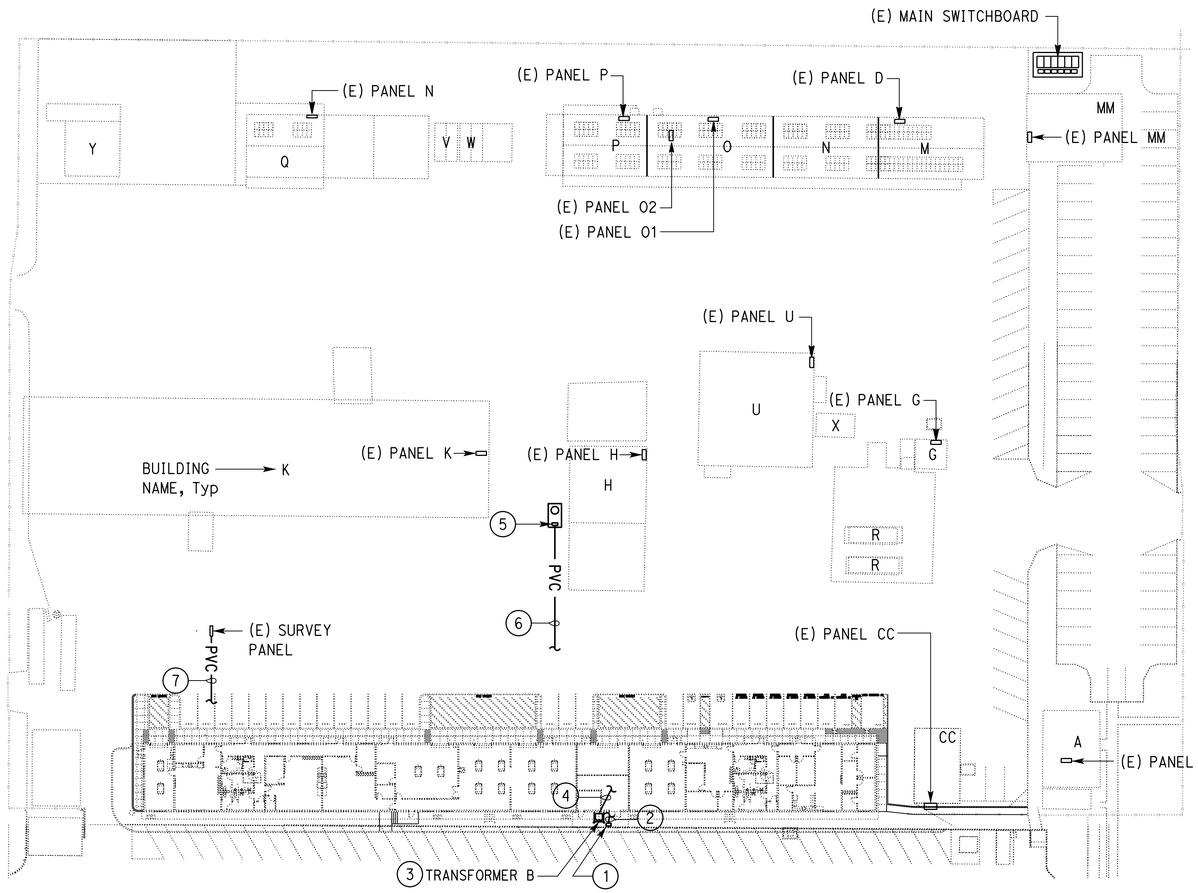

SITE PLAN
1" = 40'-0"

GENERAL NOTES:

A. Location of existing equipment/conduit systems as shown are approximate only. Field verify exact locations prior to work.

B. Not all existing electrical systems, components, conduits and conductors are shown.

NOTES:

(1) Number 6 traffic rated pull box as shown on EE1-71. For conduits and conductors to this pull box, see District plan sheets. Splice as required.

(2) 3"C, PVC, 4#350 KCMIL, 1#350 KCMIL G (AC output of PV inverter/ESS cabinet). For continuation see EE1-71.

(3) Transformer B equipped with NEMA 3R secondary disconnect switch, sized per manufacturer recommendation. For conduits and conductors to this transformer, see District plan sheets.

(4) Three sets of 4"C, PVC each with 4#500 KCMIL, 1#500 KCMIL G terminate on building disconnect, ground bus and neutral bus inside the building switchboard in room 124.

(5) Lift station pad and control panel, for details see EE0-15.

(6) 2"C, 3#2, 1#2G terminate on assigned lift station circuit breaker, ground bus and neutral bus inside the building switchboard in room 124. For continuation, see EE1-11.

(7) 1"C, 2#8, 1#8G to circuit breaker B29 of panel B in room 112. For continuation, see EE1-11.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

SITE PLAN: MODIFIED SITE PLAN

SHEET EE0-3

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 08-15-23 05-22-24	V2	3	62

7-JUL-2025 17:03

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		221	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 ELEC — STATE OF CALIFORNIA

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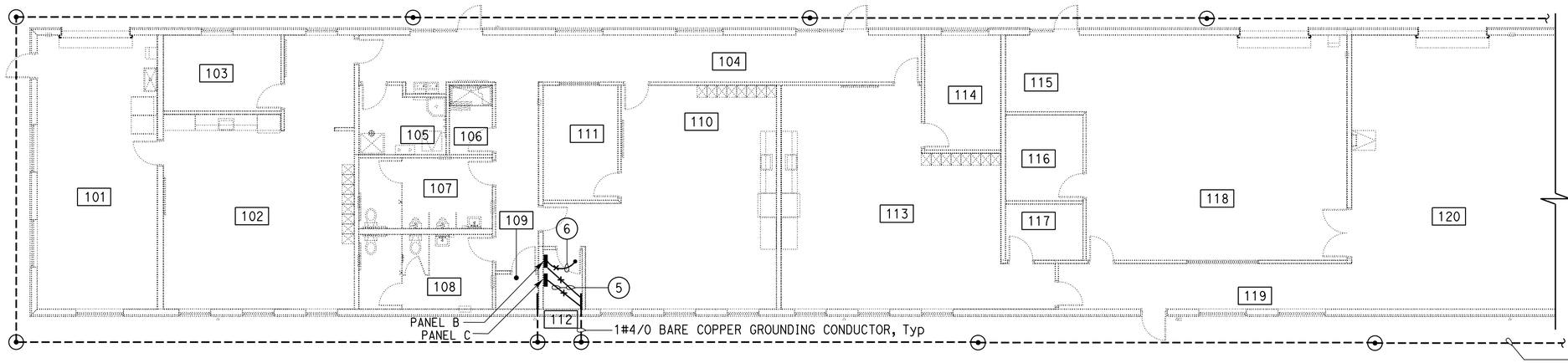
NOTES:

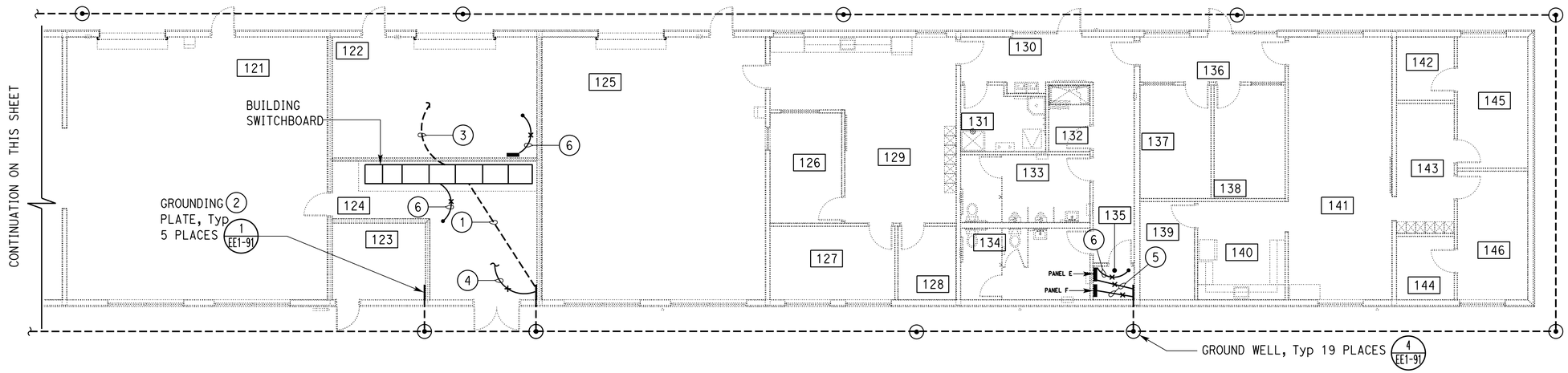
1. 1#4/0 bare copper grounding conductor, bond to ground bus inside building switchboard. For building switchboard grounding see detail 3 on EE1-91.
2. Terminate 1#4/0 bare copper grounding conductor at the bus bar of grounding plate.
3. 1#4/0G bare copper grounding conductor, bond to cold water metal pipe, air pipe and gas pipe without splices.
4. 1"C, 1#4/0G bare copper grounding conductor, bond to grounding system of PV inverter/ESS cabinet.
5. 1"C, 1#4/0G bare copper grounding conductor, bond to ground bar inside panelboard.
6. 1/2"C, 1#4 bond to ground bar below panel, see detail 4 on ST-2.

ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)
101	TREE CREW REPAIR	542
102	TREE CREW ROOM	686
103	SUPERVISOR	144
104	HALLWAY	581
105	JANITOR	91
106	SHOWER	49
107	MEN	157
108	WOMEN	162
109	IT CLOSET	25
110	CREW ROOM 1	647
111	SUPERVISOR	141
112	ELEC. ROOM	38
113	CREW ROOM 2	775
114	SUPERVISOR	141
115	STAFF SPACE	103
116	MATERIAL STORAGE	109

ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)
117	STORAGE	72
118	SIGN PRINTING	942
119	HALLWAY	199
120	SIGN STORAGE	947
121	SIGN FABRICATION	1197
122	AUXILIARY SIGN PRINTING	427
123	IT/DATA ROOM	126
124	ELEC. ROOM	358
125	BRIDAGE CREW STO./REPAIR	1031
126	SUPERVISOR	139
127	SUPERVISOR	161
128	STORAGE	77
129	BRIDGE CREW	466
130	HALLWAY	284
131	JANITOR	91
132	SHOWER	49

ROOM NO.	ROOM NAME	ROOM AREA (SQ. FT.)
133	MEN	157
134	WOMEN	162
135	ELEC. ROOM	26
136	HALLWAY	124
137	SUPERINTENDENT	144
138	SUPERINTENDENT	144
139	STORAGE	99
140	KITCHEN	153
141	CREW ROOM	477
142	STORAGE	65
143	PTINTER ALCOVE	135
144	STORAGE	65
145	SUPERVISOR	166
146	SUPERVISOR	163





FLOOR PLAN

1/8" = 1'-0"

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

BRIDGE No. 42M5725 POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING GROUNDING PLAN AND ROOM NAMES

SHEET **EE0-4**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-03-22 02-28-23 11-27-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	4	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		222	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. Panel K is located inside building switchboard in electrical room 124.

B. All pull boxes on this plan sheet must be #6 traffic rated pull box.

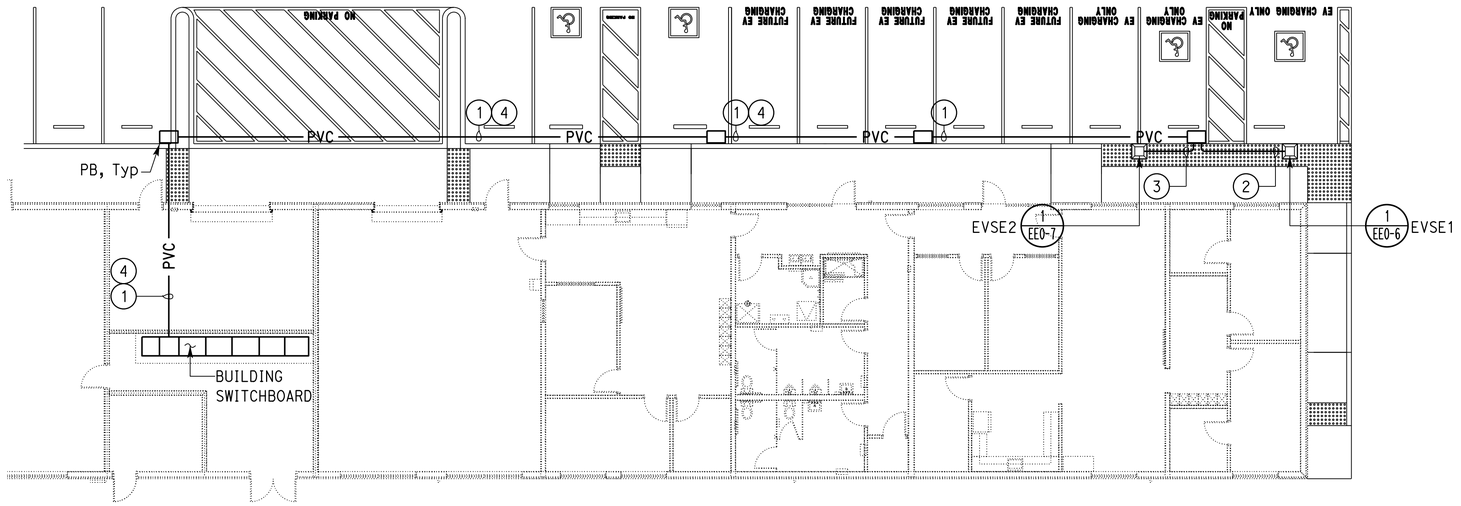
NOTES:

(1) 3"C, 2#2 (EVSE1: K1-3), 4#2 (EVSE2: K5-7, 9-11), 1#2G.

(2) 1-1/2"C, 2#2 (EVSE1: K1-3) 1#2G.

(3) 1-1/2"C, 4#2 (EVSE2: K5-7, 9-11), 1#2G.

(4) 4"C, MT.



FLOOR PLAN

1" = 10'-0"

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE) LOCATIONS

SHEET **EE0-5**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 08-15-23 11-27-23	V2	5	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW ~~Imperial~~ - CCSC Rev. 12/20

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		223	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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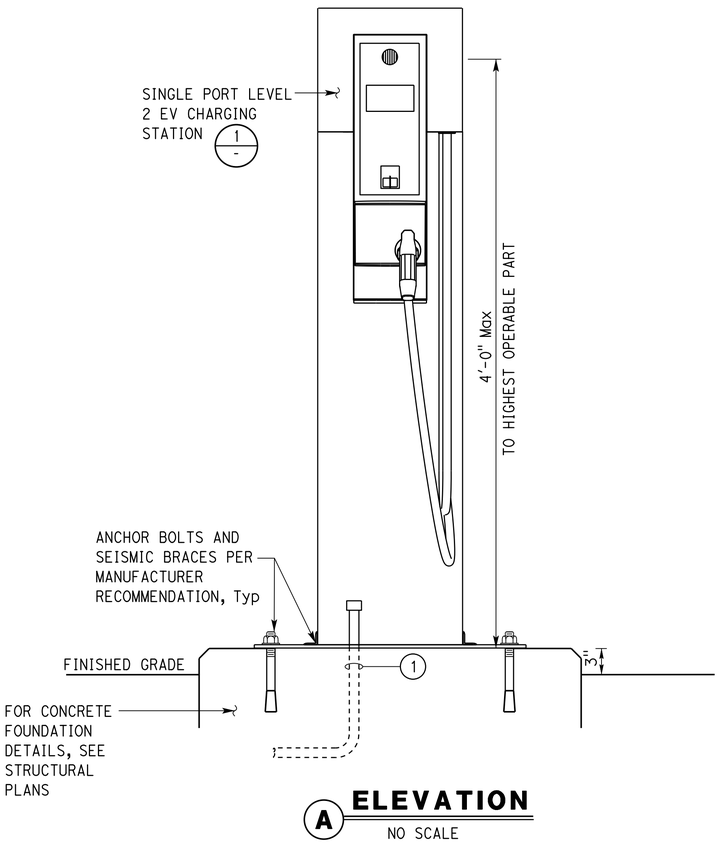

A ELEVATION
NO SCALE

NOTE:

(1) 1-1/2"C, 2#2 (EVSE1: K1-3), 1#2G. For continuation, see EE0-5.

ELECTRICAL CHARACTERISTICS	
POWER RATING	7.2 kW PER PORT
INPUT POWER	208 VAC, 30A (PER PORT) 1-PHASE, 3-WIRE
OCPD	40A/EACH PORT (NO GFCI)
FREQUENCY	60 HZ
EFFICIENCY	> 93%
POWER FACTOR	0.83
FUNCTIONAL CHARACTERISTICS	
NUMBER OF CONNECTERS	1
CONNECTER TYPES	SAE J1772
NUMBER OF VEHICLES SIMULTANEOUSLY CHARGED	1 (EACH AT 7.2 kW)
DISPLAY	7" LCD HIGH RESOLUTION, TOUCH SCREEN
CORD RETRACTION SYSTEM	AUTOMATIC INTERNAL
CORD LENGTH	25 FEET
REACHABLE CORD LENGTH	25 FEET
CARD READER	PCI COMPLIANT MAGNETIC STRIPE CARD READER
PLUG DETECTION	YES
CAMERA	NO
SAFETY AND STANDARDS	
UL LISTED	UL2594, UL 2231-1&2
ENCLOSURE	NEMA TYPE 3R
OPERATING TEMPERATURE	-30°F TO 140°F
COMPLY WITH	CEC 625, CEC 400-TABLE 400-4
ADA COMPLIANCE	YES
MAINTENANCE	
MANUFACTURER MAINTENANCE PLAN	1 YEAR

ELECTRIC VEHICLE SUPPLY EQUIPMENT 1 (EVSE1) FUNCTIONAL CHARACTERISTICS

(1)

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
ELECTRIC VEHICLE SUPPLY EQUIPMENT 1 (EVSE1) DETAILS

SHEET EE0-6

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-03-22 01-06-23 02-25-23 11-27-23

VERSION	SHEET	OF
V2	6	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		224	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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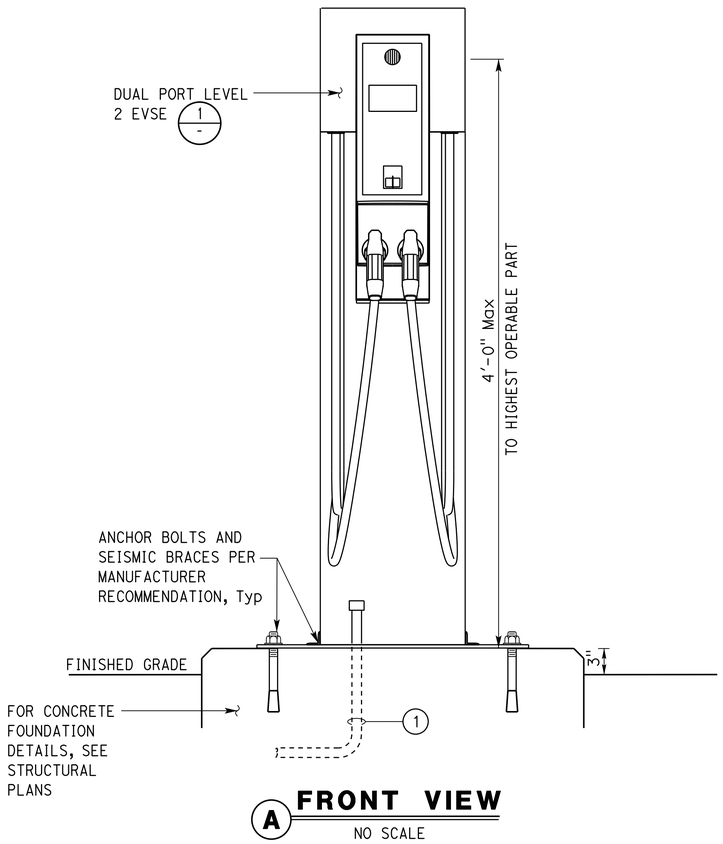

A FRONT VIEW
NO SCALE

NOTE:

(1) 1-1/2"C, 4#2 (EVSE 2: K5-7, 9-11), 1#2G. For continucation, see EE0-5.

ELECTRICAL CHARACTERISTICS	
POWER RATING	7.2 kW PER PORT
INPUT POWER	208 VAC, 30A (PER PORT) 1-PHASE, 3-WIRE
OCPD	40A/EACH PORT (NO GFCI)
FREQUENCY	60 HZ
EFFICIENCY	> 93%
POWER FACTOR	0.83
FUNCTIONAL CHARACTERISTICS	
NUMBER OF CONNECTERS	2
CONNECTER TYPES	SAE J1772
NUMBER OF VEHICLES SIMULTANEOUSLY CHARGED	1 (EACH AT 7.2 kW)
DISPLAY	7" LCD HIGH RESOLUTION, TOUCH SCREEN
CORD RETRACTION SYSTEM	AUTOMATIC INTERNAL
CORD LENGTH	25 FEET
REACHABLE CORD LENGTH	25 FEET
CARD READER	PCI COMPLIANT MAGNETIC STRIPE CARD READER
PLUG DETECTION	YES
CAMERA	NO
SAFETY AND STANDARDS	
UL LISTED	UL2594, UL 2231-1&2
ENCLOSURE	NEMA TYPE 3R
OPERATING TEMPERATURE	-30°F TO 140°F
COMPLY WITH	CEC 625, CEC 400-TABLE 400-4
ADA COMPLIANCE	YES
MAINTENANCE	
MANUFACTURER MAINTENANCE PLAN	1 YEAR

ELECTRIC VEHICLE SUPPLY EQUIPMENT 2 (EVSE2) FUNCTIONAL CHARACTERISTICS

(1)

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

ELECTRIC VEHICLE SUPPLY EQUIPMENT 2 (EVSE2) DETAILS

SHEET **EE0-7**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 02-28-23 11-22-23 12-07-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
02-28-23 11-22-23 12-07-23	V2	7	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		225	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. Wiring connections and equipment for power monitoring system is not shown. Provide and install all equipment and devices such as current transformers, potential transformers, control transformers, fuses, fuse holders, terminal blocks, wiring and any other required equipment for proper operation of power monitoring system. power connections to power monitoring devices not shown.

B. All distribution circuit breakers must be molded case circuit breakers complete with an adjustable electronic trip unit and equipped with pad lockable in the "OFF" position

NOTES:

(1) For continuation, see District plan sheets.

(2) Transformer B equipped with NEMA 3R secondary disconnect switch, sized per manufacturer recommendation, 350kVA, 3-phase, 480V delta primary, 208/120V wye secondary (3-phase, 4-wire).

(3) Three sets of 4"C, 4#500 KCMIL, 1#500 KCMIL G from secondary side of transformer B outside the building.

(4) Circuit breaker must be:

a) UL 891 listed and equipped with ground fault protector (GFP)
b) Microprocessor based adjustable electronic trip unit
c) Having interrupting capacity of 65,000 a symmetrical at 480V
d) Pad lockable in the "off" position

(5) 1#4/0 bare copper grounding conductor to ground well.

(6) 1#4/0 bare copper grounding conductor bond to concrete slab's reinforcement bar and grounding plate in room 124.

(7) 4#4/0, 1#4/0G.

(8) 3"C, 4#350 KCMIL, 1#350 KCMIL G.

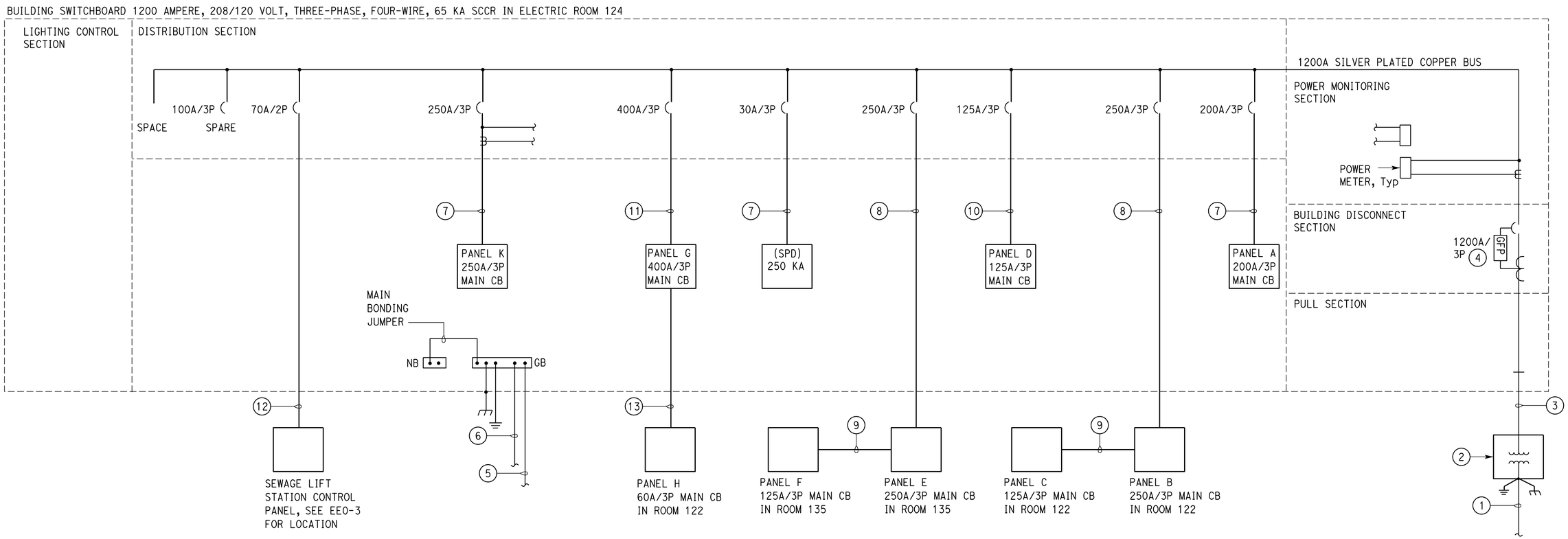
(9) 2"C, 4#1, 1#1G.

(10) 4#1, 1#1G.

(11) Two sets of 4#4/0, 1 #4/0G.

(12) 2"C, 3#2, 1#2G.

(13) 2"C, 4#4, 1#4G.



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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

SINGLE LINE DAGRAM

SHEET EE0-10

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 12-07-23	V2	8	62

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NAMEPLATE SCHEDULE

ITEM No.	LETTER HEIGHT (inch)	INSCRIPTION
1	1	PULL SECTION
2	1	BUILDING DISCONNECT
3	1	POWER MONITORING SECTION
3A	1/2	BUILDING SWITCHBOARD
3B	1/2	EV CHARGING
4	1/2	PANEL A
5	1/2	PANEL B
6	1/2	PANEL D
7	1/2	PANEL E
8	1/2	PANEL G
9	1/2	PANEL K
10	1/2	SPD
11	1/2	SEWAGE LIFT STATION CONTROL PANEL
12	1/2	SPARE
13	1/2	SPACE
14	1	DISTRIBUTION SECTION
15	1	SPD SECTION

NAMEPLATE SCHEDULE

ITEM No.	LETTER HEIGHT (inch)	INSCRIPTION
16	1	PANEL A
17	1	PANEL D
18	1	PANEL G
19	1	PANEL K
20	1	LIGHTING CONTROL SECTION
21	1/2	TOUCH SCREEN

GENERAL NOTES:

A. Building switchboard's design drawings must Be submitted to Engineer for review and approval prior to fabrication.

B. Building switchboard's depth must not be more than 36".

C. Provide warning labels on all exteriors and interior doors of, see details 1 and 2 on EE1-93.

D. Provide anchorage and seismic calculations for approval. Seismic bracing and anchorage must be installed per manufacturer's recommendation.

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		226	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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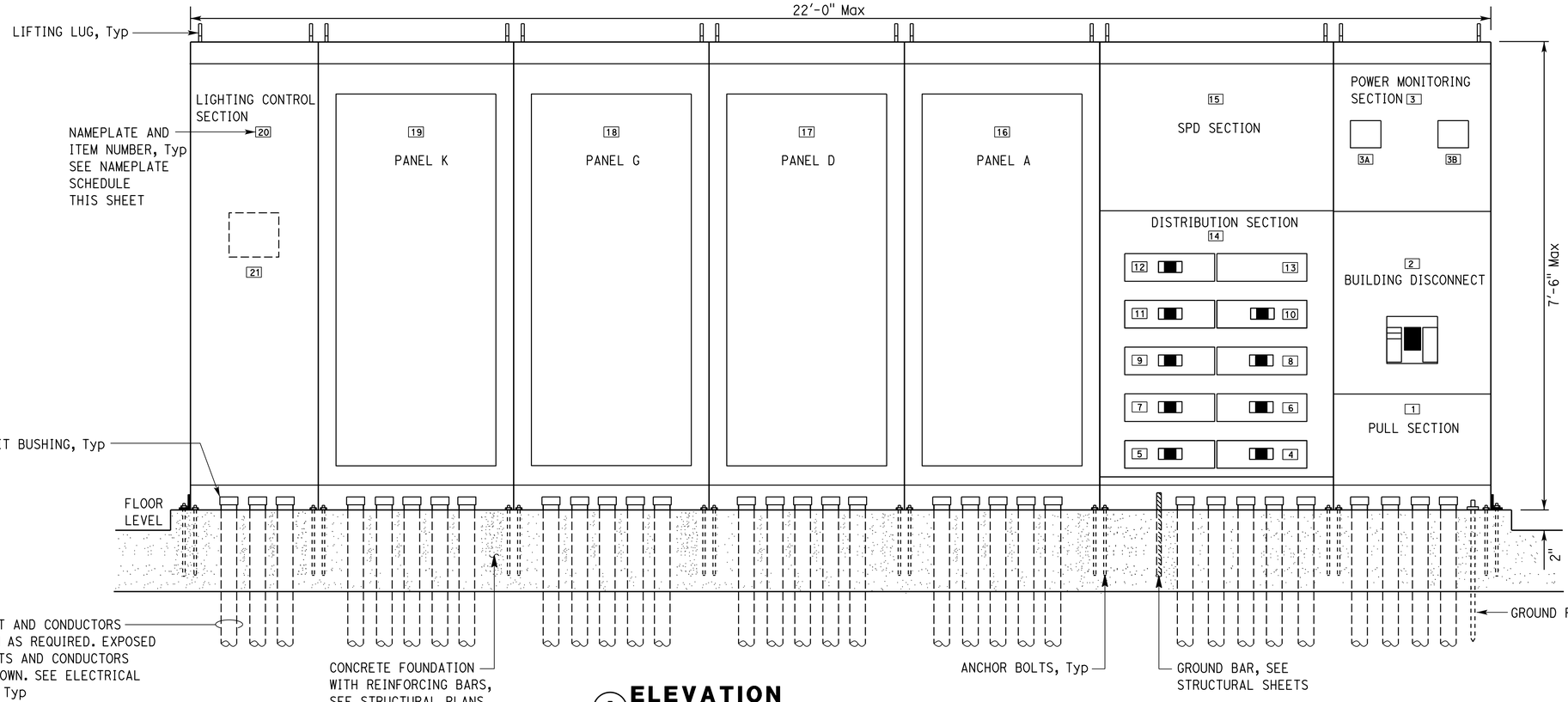

A ELEVATION

NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING SWITCHBOARD ELEVATION DETAILS

SHEET **EE0-11**

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 01-06-23 02-28-23 12-07-23

VERSION	SHEET	OF
V2	9	62

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		227	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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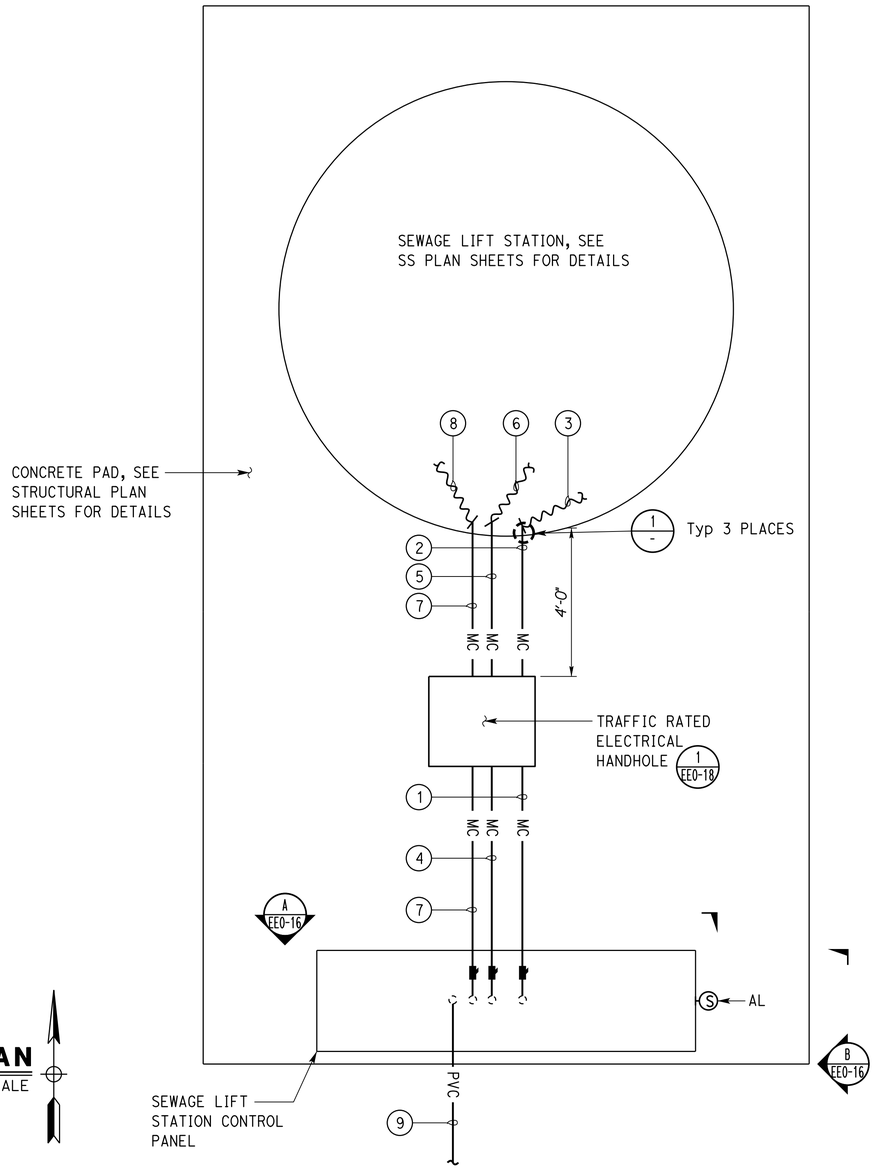
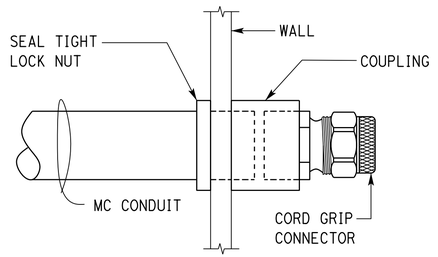


PLAN
NO SCALE



1 DETAIL

GENERAL NOTE:

A. For float switch elevations, see SS sheets.

NOTES:

1. 1"C, 2#10, (pump 1 power), 1#10G.
2. 1"C, pump 1 cable includes power, equipment grounding and control conductors.
3. Cable includes power, equipment grounding and control conductors to pump 1.
4. 1"C, 2#10, (pump 2 power), 1#10G.
5. 1"C, pump 2 cable includes power, equipment grounding and control conductors.
6. Cable includes power, equipment grounding and control conductors to pump 2.
7. 2"C, 4 float switch cables (FS1, FS2, FS3, FS4).
8. Cables to float switches FS1, FS2, FS3 and FS4.
9. 2"C, 3#2, 1#2G to building switchboard. For continuation, see EE0-3.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SEWAGE LIFT STATION AREA ENLARGED PLAN

SHEET EE0-15

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01-06-23 02-25-23 12-07-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-25-23 12-07-23	V2	10	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		228	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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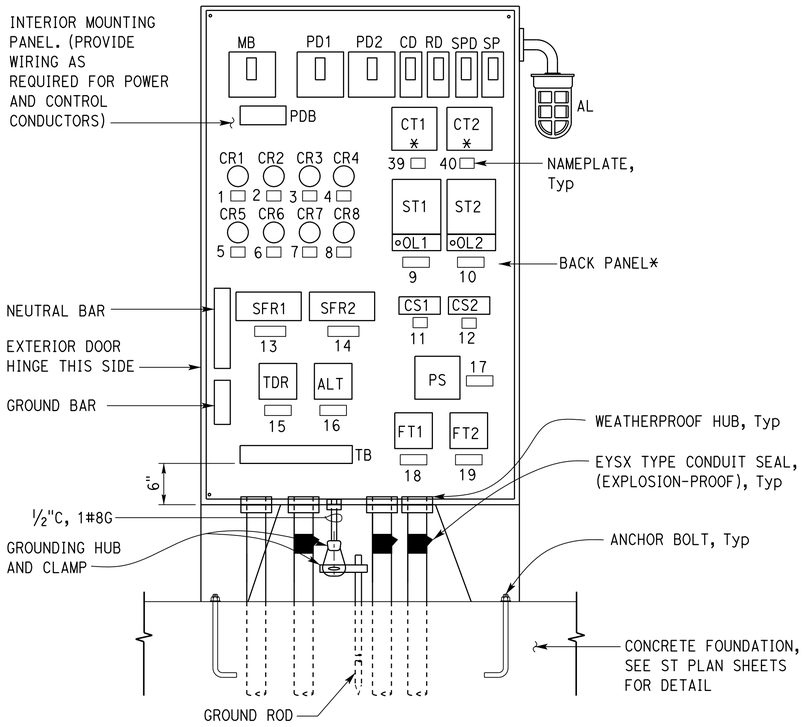
NAMEPLATE SCHEDULE

ITEM No.	INSCRIPTION	LETTER HEIGHT	ITEM No.	INSCRIPTION	LETTER HEIGHT
1	CR1	1/4"	22	OFF	1/4"
2	CR2	1/4"	23	PUMP No. 1	1/4"
3	CR3	1/4"	24	PUMP No. 2	1/4"
4	CR4	1/4"	25	CONTROL	1/4"
5	CR5	1/4"	26	RECEPTACLE	1/4"
6	CR6	1/4"	27	SPD	1/4"
7	CR7	1/4"	28	SPARE	1/4"
8	CR8	1/4"	29	LOW WATER	1/4"
9	ST1	1/4"	30	HIGH WATER	1/4"
10	ST2	1/4"	31	PUMP No. 1 SEAL FAILED	1/4"
11	CS1	1/4"	32	PUMP NO. 2 SEAL FAILED	1/4"
12	CS2	1/4"	33	RESET PUMP No. 1	1/4"
13	SFR1	1/4"	34	RESET PUMP No. 2	1/4"
14	SFR2	1/4"	35	ALARMS	1/4"
15	TDR	1/4"	36	ALARM RESET	1/4"
16	ALTERNATOR	1/4"	37	ALARM TEST	1/4"
17	PS	1/4"	38	POWER ON	1/4"
18	FT1	1/4"	39	CT1	1/4"
19	FT2	1/4"	40	CT2	1/4"
20	MAIN	3/8"	41	SEWAGE LIFT STATION	1/2"
21	ON	1/4"	(5)	CONTROL PANEL	

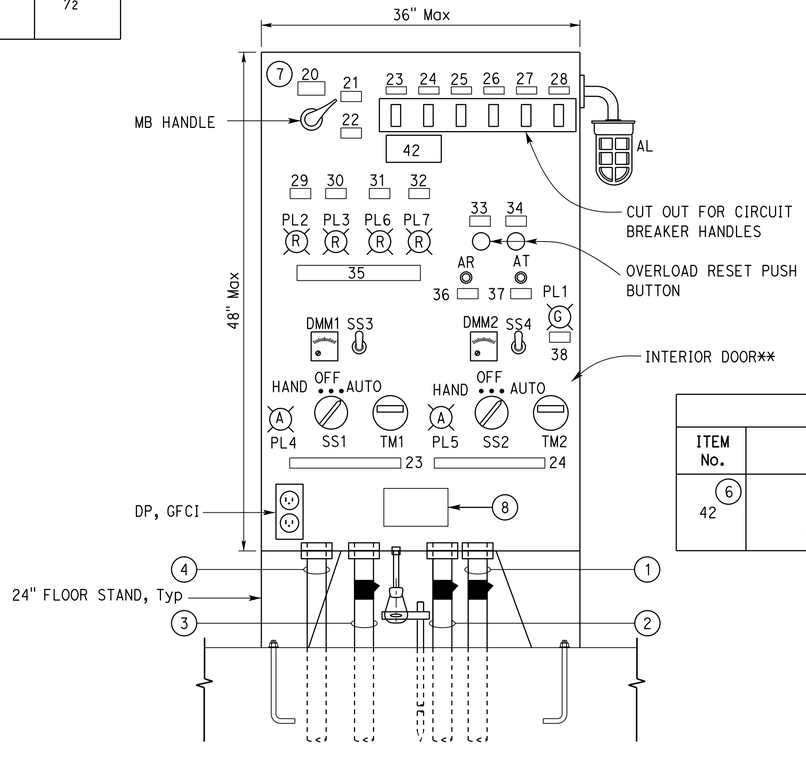
NOTES:

1. 1"C, 2#10, (pump 1 power), 1#10G.
2. 1"C, 2#10, (pump 2 power), 1#10G.
3. 2"C, 4 float switch cables (FS1, FS2, FS3, FS4).
4. 2"C, 3#2, 1#2G to building switchboard. For continuation, see EE0-3.
5. Nameplate #41 must be mounted on the exterior door.
6. Nameplate #42 must have white letters against a red background.
7. Provide glued on name plates for all devices mounted on the back of the hinged interior door.
8. Install arc flash hazard warning label. See details 1 and 2 on EE1-93.



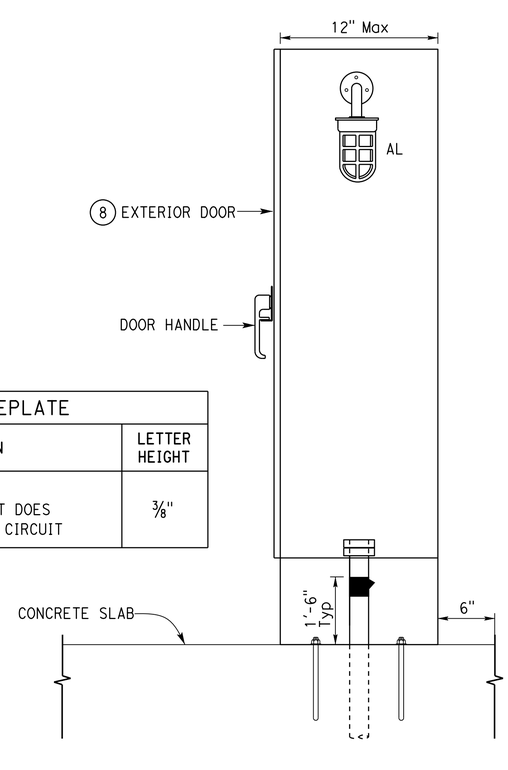
* CONTROL PANEL HINGED EXTERIOR DOOR AND HINGED INTERIOR DOOR NOT SHOWN.

A ELEVATION
NO SCALE



** CONTROL PANEL HINGED EXTERIOR DOOR NOT SHOWN AND HINGED INTERIOR DOOR CLOSED.

WARNING NAMEPLATE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
(6) 42	WARNING: MOTOR DISCONNECT DOES NOT OPEN CONTROL CIRCUIT	3/8"



B END VIEW
NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SEWAGE LIFT STATION CONTROL PANEL

SHEET **EE0-16**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01-06-23 02-23-23 12-07-23

REVISION DATES (PRELIMINARY STAGE ONLY) | VERSION | SHEET | OF
V2 | 11 | 62

7-JUL-2025 17:03

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		229	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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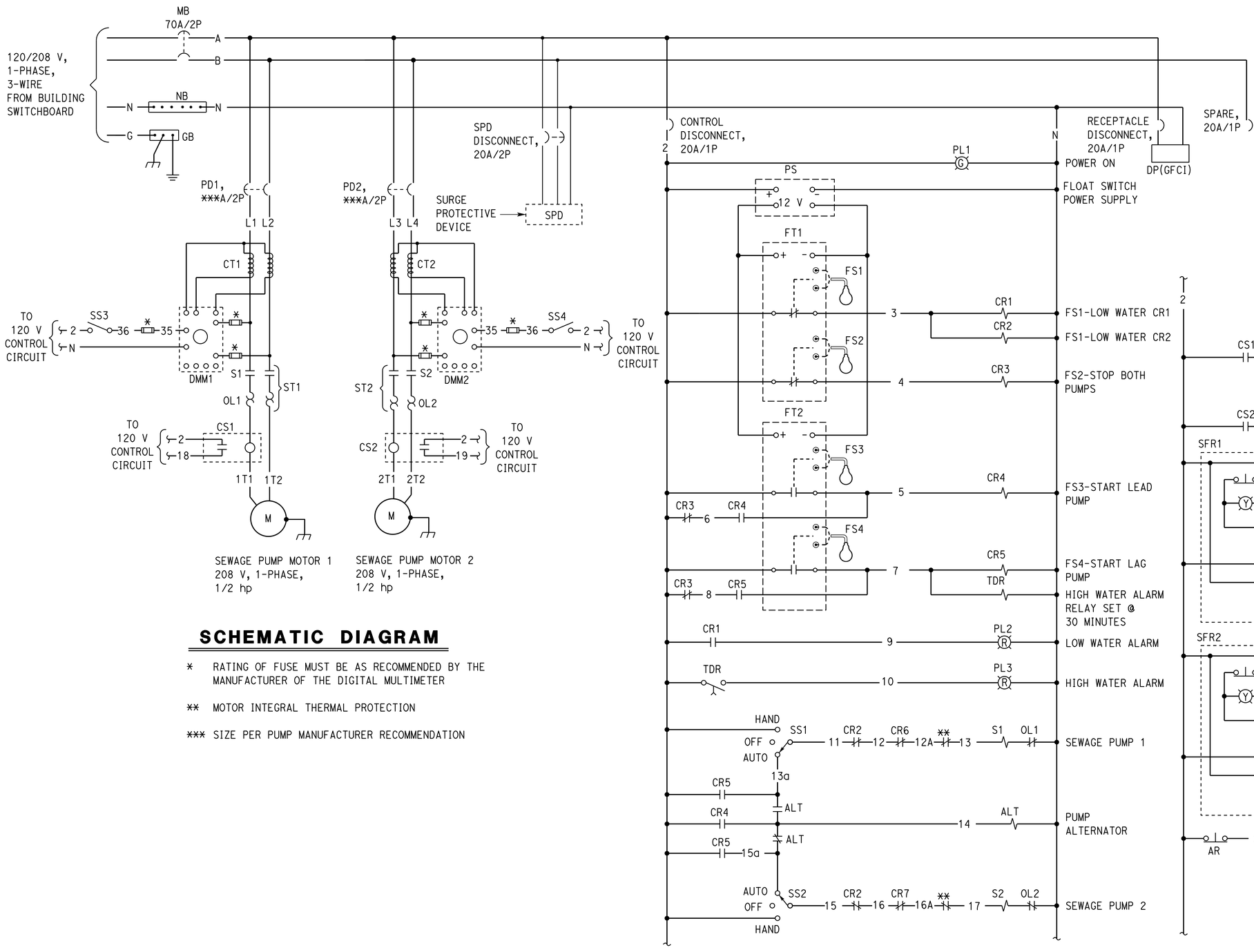

SCHEMATIC DIAGRAM

* RATING OF FUSE MUST BE AS RECOMMENDED BY THE MANUFACTURER OF THE DIGITAL MULTIMETER

** MOTOR INTEGRAL THERMAL PROTECTION

*** SIZE PER PUMP MANUFACTURER RECOMMENDATION

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SEWAGE LIFT STATION SCHEMATIC DIAGRAM

SHEET EE0-17

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01-06-23 02-28-23 12-07-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	12	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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7-JUL-2025 17:03

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		230	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

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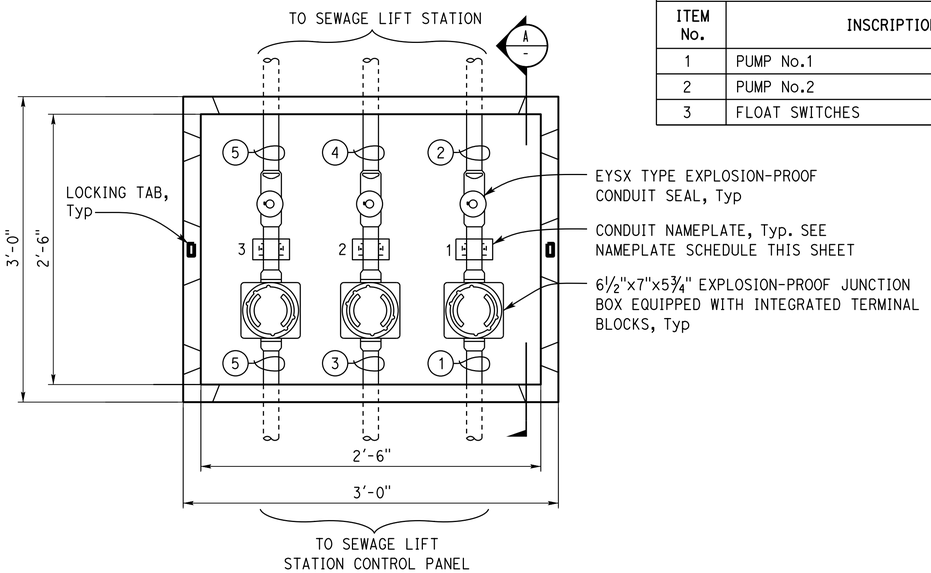
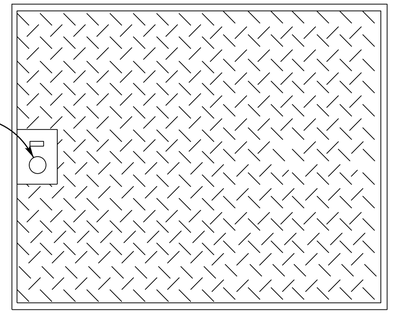
REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

NAMEPLATE SCHEDULE		
ITEM No.	INSCRIPTION	LETTER HEIGHT
1	PUMP No.1	1/8"
2	PUMP No.2	1/8"
3	FLOAT SWITCHES	1/8"



1 TRAFFIC RATED ELECTRICAL HANDHOLE DETAIL

NO SCALE



2 TRAFFIC RATED ELECTRICAL HANDHOLE COVER DETAIL

NO SCALE

GENERAL NOTES:

A. Terminate conductors inside the explosion-proof junction box's terminal blocks as required.

B. Splice fiber optic cables using manufacturer's approved connectors inside the explosion proof junction box.

NOTES:

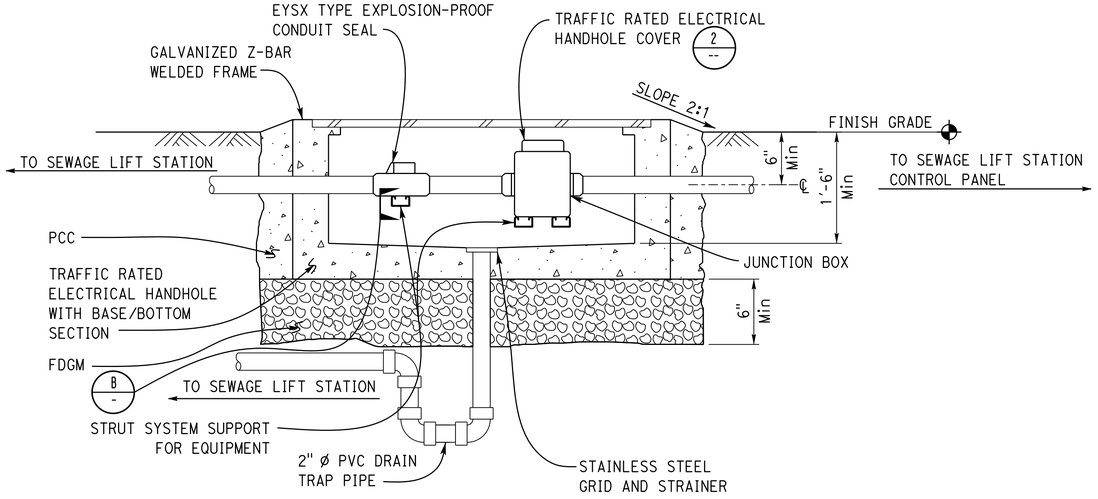
(1) 1"C, 2#10, (pump 1 power), 1#10G.

(2) 1"C, pump 1 cable includes power, equipment grounding and control conductors.

(3) 1"C, 2#10, (pump 2 power), 1#10G.

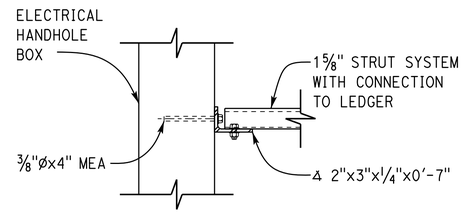
(4) 1"C, pump 2 cable includes power, equipment grounding and control conductors.

(5) 2"C, 4 float switch cables (FS1, FS2, FS3, FS4).



A TRAFFIC RATED ELECTRICAL HANDHOLE SECTION

NO SCALE



B STRUT SUPPORT AT BOX

NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

SEWAGE LIFT STATION ELECTRICAL HANDHOLE DETAILS

SHEET EE0-18

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)			VERSION	SHEET	OF
01-06-23	02-25-23	12-07-23	V2	13	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		231	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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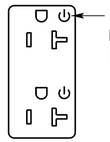
NOTES:

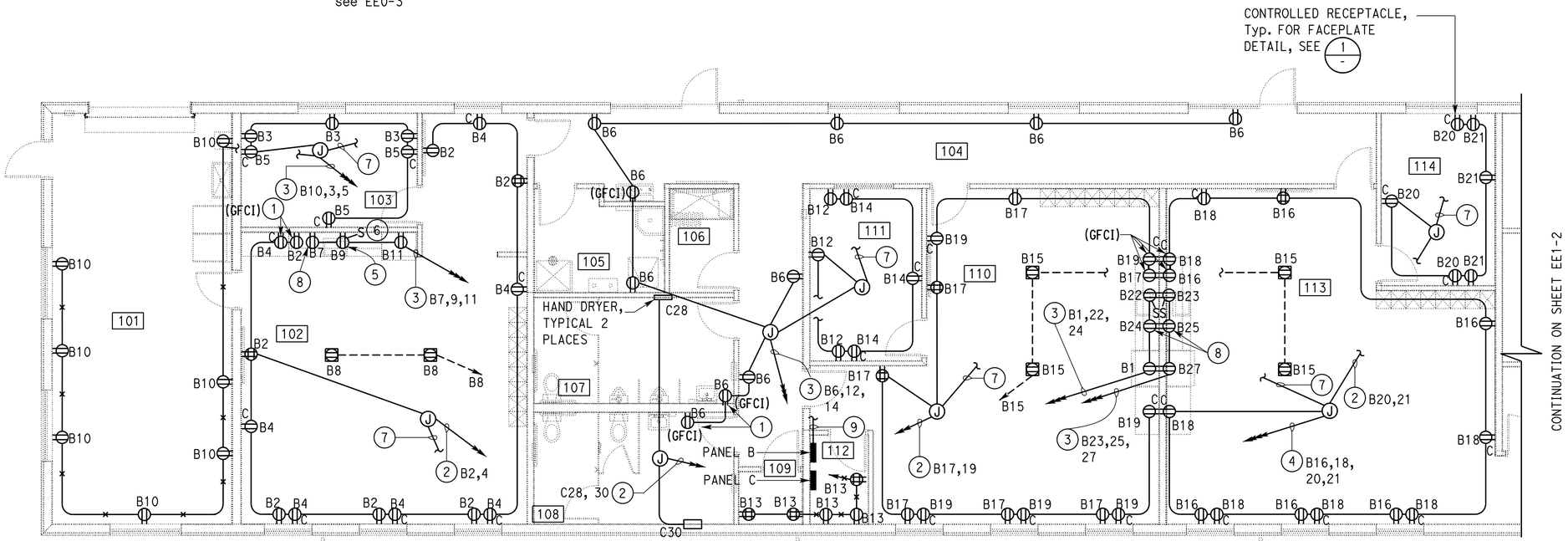
1. Mount bottom of the receptacle six inches above the countertop.
2. 1/2"C, 4#12, 1#12G.
3. 1"C, 6#12, 1#12G.
4. 1"C, 8#12, 1#12G.
5. Receptacle for garbage disposal, mount under the sink to suit the unit. Typical 3 places.
6. Switch for garbage disposal, Mount switch 6" above the counter. Typical 3 places.
7. 1/2"C, 3#12 (power, neutral and switched power by occupancy sensor for controlled receptacles), 1#12G to power pack. For continuation, see EE1-21.
8. Receptacle for microwave, install at a location as directed by the Engineer.
9. 1"C, PVC, 2#8, 1#8G to survey panel. For continuation, see EE0-3



1 CONTROLLED RECEPTACLE* FACEPLATE DETAIL

NO SCALE

* FACEPLATE MUST BE GREEN COLOR.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET EE1-1
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE	POWER PLAN 1	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 01-06-23 02-28-23 12-07-23

VERSION	SHEET	OF
V2	14	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		232	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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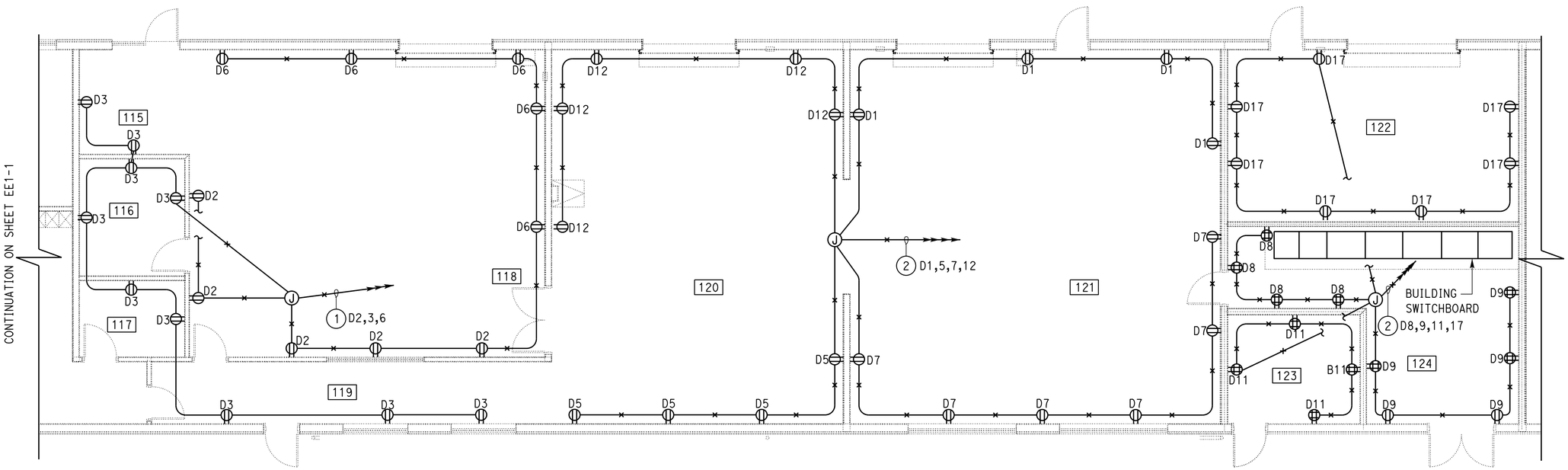
GENERAL NOTE:

A. Panel D is located inside building switchboard.

NOTES:

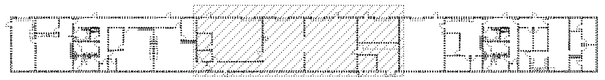
(1) 1"C, 6#12, 1#12G.

(2) 1"C, 8#12, 1#12G.



FLOOR PLAN

3/16" = 1'-0"



KEY PLAN

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

POWER PLAN 2

SHEET EE1-2

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-25-23 12-07-23	V2	15	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		233	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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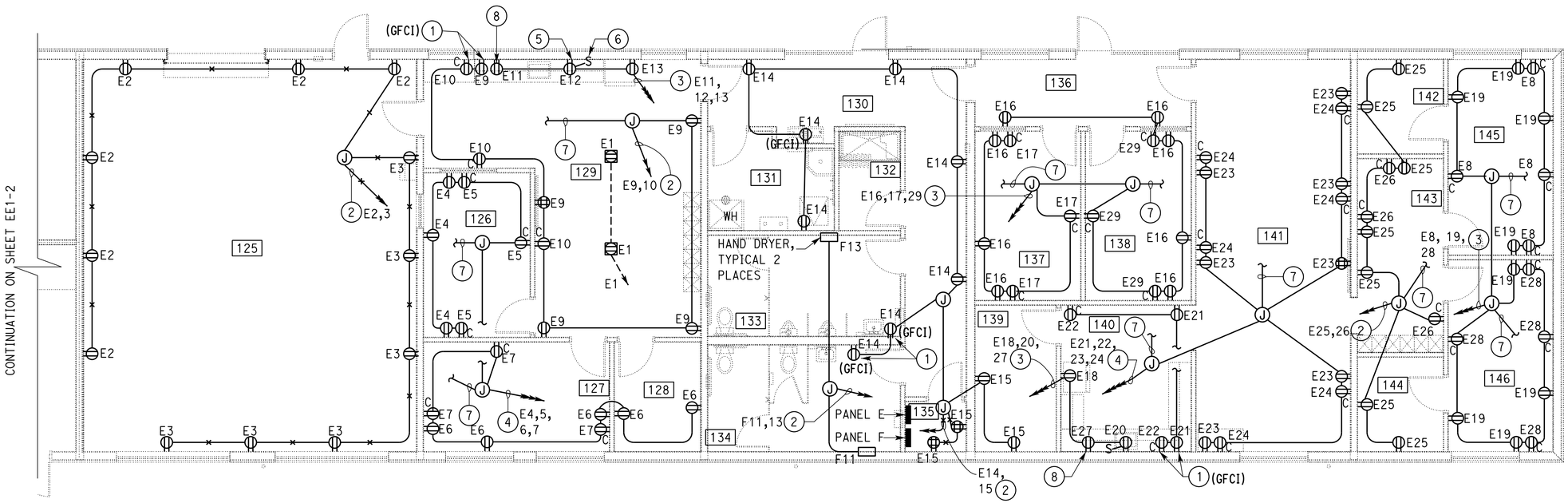
NOTES:

1. Mount bottom of the receptacle six inches above the countertop.
2. 1/2"C, 4#12, 1#12G.
3. 1"C, 6#12, 1#12G.
4. 1"C, 8#12, 1#12G.
5. Receptacle for garbage disposal, mount under the sink to suit the unit. Typical 3 places.
6. Switch for garbage disposal, Mount switch 6" above the counter. Typical 3 places.
7. 1/2"C, 3#12 (power, neutral and switched power by occupancy sensor for controlled receptacles), 1#12G to power pack. For continuation, see EE1-23.
8. Receptacle for microwave, install at a location as directed by the Engineer.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

POWER PLAN 3

SHEET EE1-3

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 01-06-23, 02-28-23, 12-07-23

VERSION	SHEET	OF
V2	16	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		234	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTE:

A. Location of overhead door operators and related components as shown is arbitrary only. Exact location depends upon the unit furnished. Contractor must furnish and install any additional conduit, conductors, cables and equipment necessary for the automatic operation without extra cost to the State. All cables and conductors must be installed in conduit.

NOTES:

(1) Overhead coiling door operator. Install the following for the overhead coiling door operator system:

-1"C, 3#10, 1#10G in between overhead coiling door operator disconnect and the overhead coiling door operator.

-1/2"C, control conductors as required in between the overhead coiling door operator and pushbutton station.

-1/2"C, control cables as required between the coiling door operator and door chain operated safety limit switch.

-Junction box and flexible cable between the overhead coiling door operator and safety edge limit switch.

Safety edge limit switch and door chain operated safety limit switch are not shown. Mount coiling door operator disconnect switch adjacent to the coiling door operator unit.

(2) Overhead coiling door pushbutton station.

(3) Overhead coiling door operator disconnect.

(4) 3/4"C, 2#10, 1#10G.

(5) 3/4"C, 3#10, 1#10G.

(6) 3/4"C, 2#8, 1#8G.

(7) 1-1/2"C, 2#8 (washer), 2#4 (dryer), 3#8 (Overhead coiling door operator disconnect), 1#4G.

(8) Type 5-15R receptacle for washer.

(9) Type 10-30R receptacle for dryer.

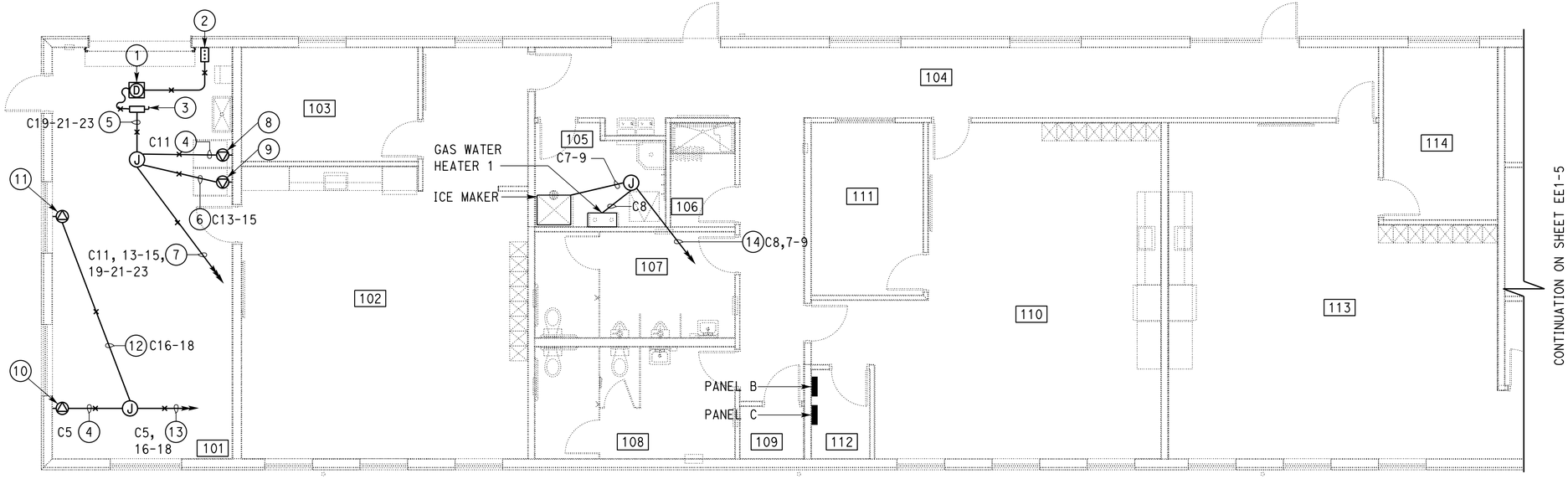
(10) Type 5-15R receptacle for grinder.

(11) Type 6-50R receptacle for welder.

(12) 1"C, 2#8, 1#8G.

(13) 1-1/2"C, 2#6 (welder), 2#8 (grinder), 1#6G.

(14) 3/4"C, 4#10, 1#10G.



FLOOR PLAN
3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

POWER PLAN 4

SHEET EE1-4

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 01-06-23 02-28-23 12-07-23

VERSION	SHEET	OF
V2	17	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		235	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. Location of overhead door operators and related components as shown is arbitrary only. Exact location depends upon the unit furnished. Contractor must furnish and install any additional conduit, conductors, cables and equipment necessary for the automatic operation without extra cost to the State. All cables and conductors must be installed in conduit.

B. Panel A and G are located inside building switchboard.

NOTES:

(1) Overhead coiling door operator. Install the following for the overhead coiling door operator system:

-1"C, 3#10, 1#10G in between overhead coiling door operator disconnect and the overhead coiling door operator.

-1/2"C, control conductors as required in between the overhead coiling door operator and pushbutton station.

-1/2"C, control cables as required between the coiling door operator and door chain operated safety limit switch.

-Junction box and flexible cable between the overhead coiling door operator and safety edge limit switch.

Safety edge limit switch and door chain operated safety limit switch are not shown. Mount coiling door operator disconnect switch adjacent to the coiling door operator unit.

(2) Overhead coiling door pushbutton station.

(3) Overhead coiling door operator disconnect.

(4) 3/4"C, 3#10, 1#10G.

(5) 1"C, 6#10, 1#10G

(6) Not used.

(7) Type 5-15R receptacle for sign printer.

(8) Type 5-15R receptacle for arkane laminator.

(9) Type 5-15R receptacle for sovereign laminator royal.

(10) Junction box for flatbed cutter.

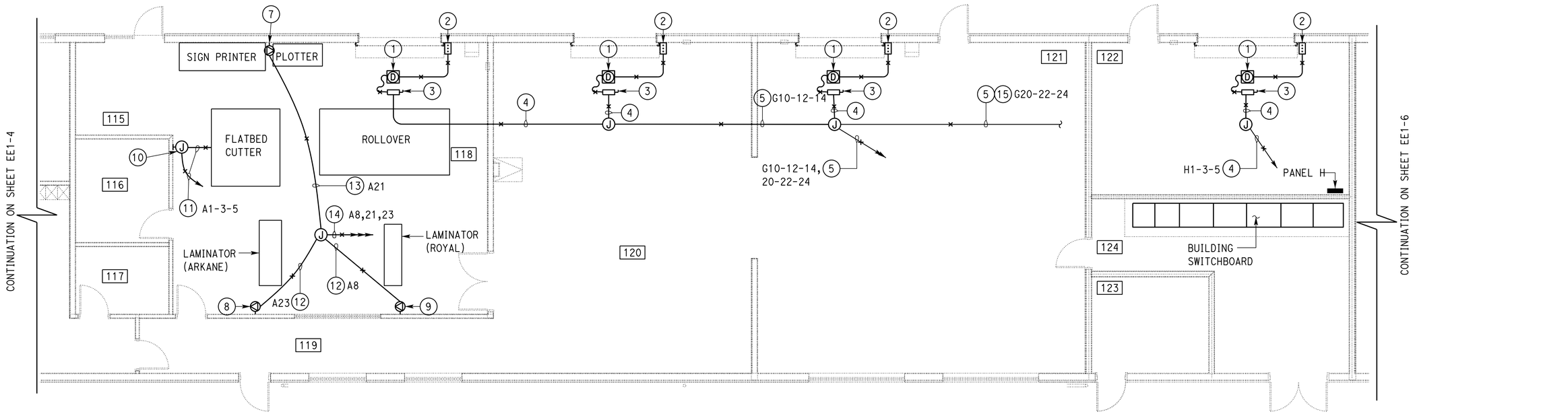
(11) 1"C, 3#8, 1#8G.

(12) 3/4"C, 2#10, 1#10G.

(13) 3/4"C, 2#8, 1#8G.

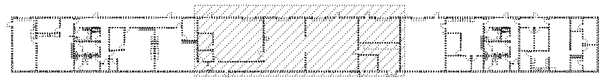
(14) 1"C, 2#10 (laminator arkane), 2#10 (laminator royal), 2#6 (sign printer), 1#6G.

(15) For continuation, see EE1-6.



FLOOR PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

POWER PLAN 5

SHEET **EE1-5**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01-06-23 02-23-23 12-07-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	18	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		236	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. Location of overhead door operators and related components as shown is arbitrary only. Exact location depends upon the unit furnished. Contractor must furnish and install any additional conduit, conductors, cables and equipment necessary for the automatic operation without extra cost to the State. All cables and conductors must be installed in conduit.

B. Panel A and G are located inside building switchboard.

NOTES:

(1) Overhead coiling door operator. Install the following for the overhead coiling door operator system:

-1"C, 3#10, 1#10G in between overhead coiling door operator disconnect and the overhead coiling door operator.

-1/2"C, control conductors as required in between the overhead coiling door operator and pushbutton station.

-1/2"C, control cables as required between the coiling door operator and door chain operated safety limit switch.

-Junction box and flexible cable between the overhead coiling door operator and safety edge limit switch.

Safety edge limit switch and door chain operated safety limit switch are not shown. Mount coiling door operator disconnect switch adjacent to the coiling door operator unit.

(2) Overhead coiling door pushbutton station.

(3) Overhead coiling door operator disconnect.

(4) 3/4"C, 3#10, 1#10G.

(5) Type 6-20R receptacle for band saw.

(6) Type 6-50R receptacle for plasma cutter.

(7) Type 6-50R receptacle for welder.

(8) Type 6-20R receptacle for table saw.

(9) 1"C, 2#4, 1#4G.

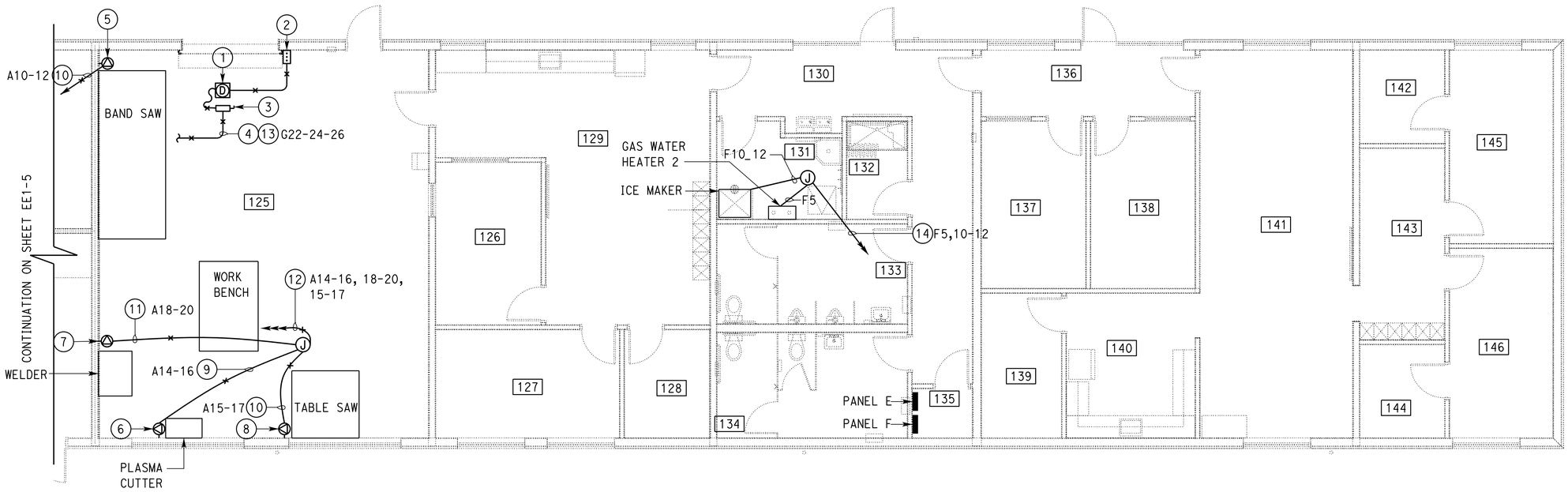
(10) 3/4"C, 2#8, 1#8G.

(11) 1-1/2 "C, 2#1, 1#1G.

(12) 2"C, 2#4 (plasma cutter), 2#8 (table saw/air), 2#1 (welder), 1#1G.

(13) For continuation, see EE1-5.

(14) 3/4"C, 4#10, 1#10G.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

POWER PLAN 6

SHEET EE1-6

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
01-06-23	02-23-23	12-07-23				V2	19	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		237	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. For exact locations of exhaust fans (EF), timer switch (TS), A/C1 central control panel (CCP), carbon monoxide sensor (CO2) zone temperature sensors (ZTS), variable air volumes (VAV), heat pump (HP) indoor/outdoor unit and wired remote controller see mechanical plan sheets.

B. Outdoor disconnect unit mounting height must be 4'-0" above finished floor.

C. Panel G is located in building switchboard in room 124.

NOTES:

(1) 1"C, condutors/cables as required.

(2) 1"C, 2#8, 1#8G.

(3) 1"C, 6#12, 2#8, 1#8G.

(4) 3/4"C, CAT5 cable to power pack PPA above room 107. For continuation, see EE1-24.

(5) 3/4"C, CAT5 cable to power pack PPA above room 108. For continuation, see EE1-24.

(6) A/C-1 unit equipped with integrated disconnect switch and duplex receptacle.

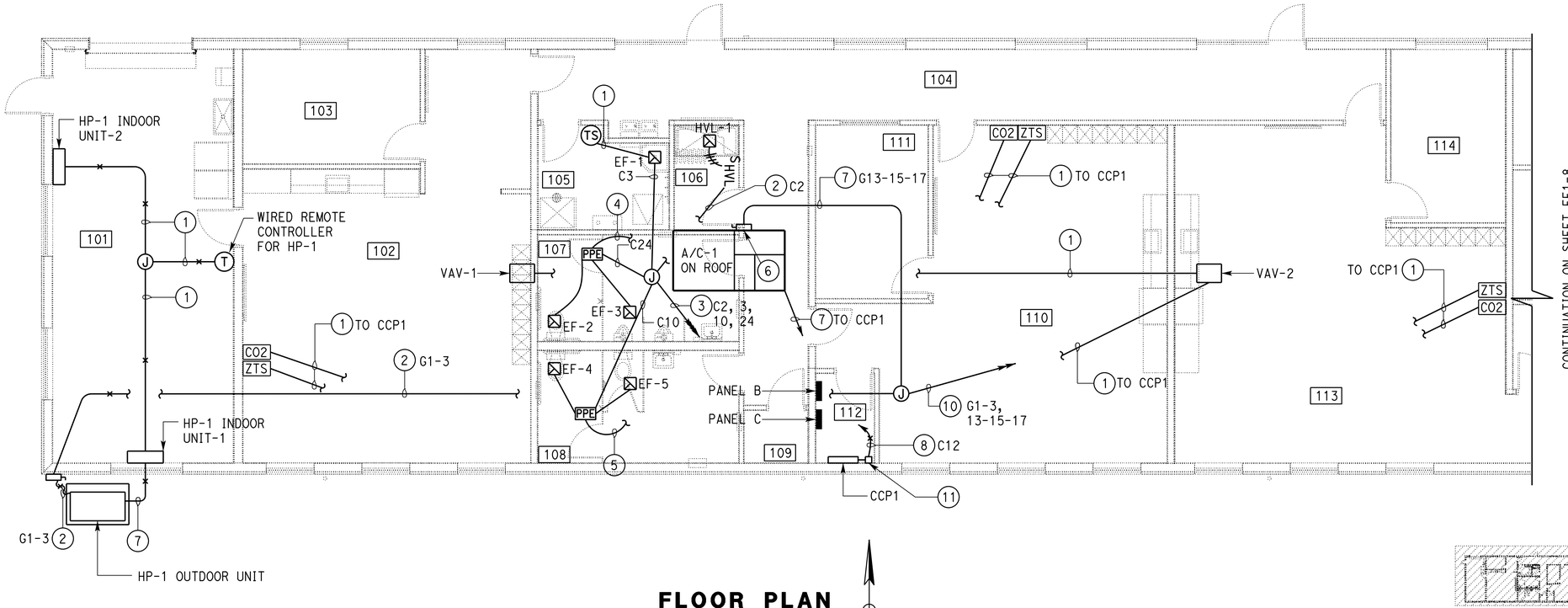
(7) 1"C, 3#8, 1#8G.

(8) 1/2"C, 2#12, 1#12G.

(9) Not used.

(10) 1-1/2"C, 5#8, 1#8G.

(11) NEMA rated junction box for transformer, exact location as directed by the Engineer.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
HVAC PLAN 1

SHEET EE1-7

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-21-23 12-08-23	V2	20	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		238	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

GENERAL NOTES:

A. For exact locations of wall exhaust fan (WEF), roof exhaust fan (REF), air compressor, timer switch (TS), heat pump indoor/outdoor unit (HP) and wired remote controller see mechanical plan sheets.

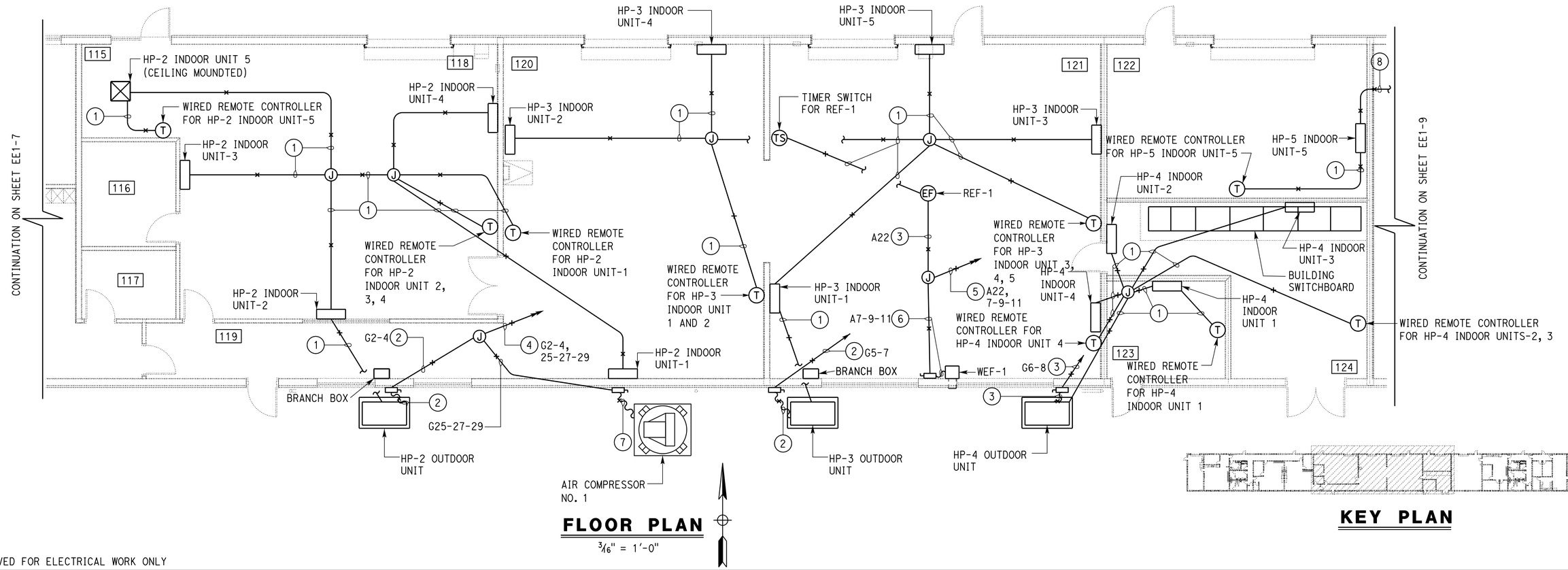
B. Outdoor disconnect unit mounting heights must be 4'-0" above finished floor.

C. Panel A and G are located in building switchboard in room 124.

D. For air compressor schematic diagram, see detail 4 on EE1-90.

NOTES:

1. 1"C, conductors/cables as required.
2. 1"C, 2#6, 1#6G.
3. 3/4"C, 2#10, 1#10G.
4. 1-1/2"C, 2#6, 3#8, 1#6G.
5. 1"C, 5#10, 1#10G.
6. 3/4"C, 3#10, 1#10G.
7. 1"C, 3#8, 1#8G.
8. 1"C, condutors/cables as required. For continuation, see EE1-9.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

HVAC PLAN 2

SHEET EE1-8

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → REVISION DATES (PRELIMINARY STAGE ONLY) 12-03-22|01-06-23|02-25-23|11-27-23|12-08-23

VERSION	SHEET	OF
V2	21	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		239	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. For exact locations of exhaust fans (EF), heat/vent/light, A/C, wall exhaust fan (WEF), roof exhaust fan (REF), air compressor, timer switch (TS), central control panel (CCP), carbon monoxide sensor (CO2), zone temperature sensors (ZTS) an variable air volume (VAV) see mechanical plan sheets.

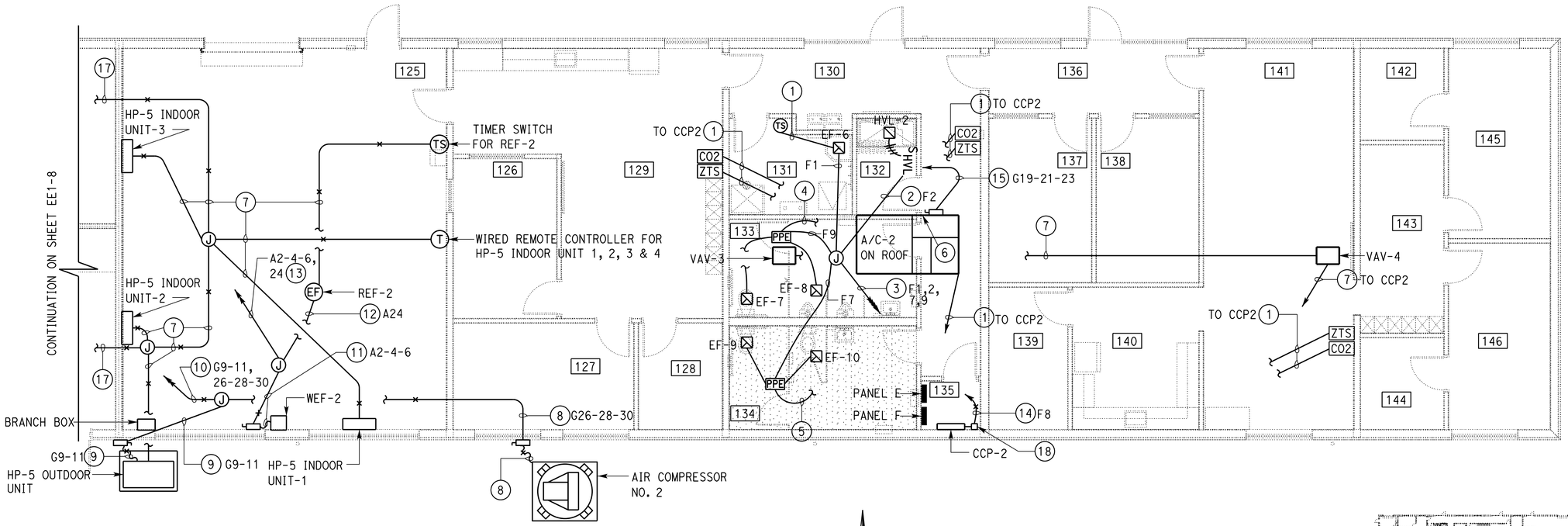
B. Outdoor disconnect unit mounting height must be 4'-0"' above finished floor.

C. Panel A and G are located in building switchboard in room 124.

D. For air compressor schematic diagram, see detail 4 on EE1-90.

NOTES:

1. 3/4"C, condutors/cables as required.
2. 1"C, 2#8, 1#8G.
3. 1"C, 6#12, 2#8, 1#8G.
4. 3/4"C, CAT5 cable to poewer pack PPA above room 133. For continuation, see EE1-26.
5. 3/4"C, CAT5 cable to poewer pack PPA above room 134. For continuation, see EE1-26.
6. A/C-2 unit equipped with integrated disconnect switch and duplex receptacle.
7. 1"C, condutors/cables as required.
8. 3/4"C, 3#8, 1#8G.
9. 3/4"C, 2#8, 1#8G.
10. 1"C, 5#8, 1#8G.
11. 3/4"C, 3#10, 1#10G.
12. 3/4"C, 2#10, 1#10G.
13. 1"C, 5#10, 1#10G.
14. 1/2"C, 2#12, 1#12G.
15. 1"C, 3#8, 1#8G.
16. Not used.
17. 1"C, condutors/cables as required. For continuation, see EE1-8.
18. NEMA rated junction box for transformer, exact location as directed by the Engineer.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

HVAC PLAN 3

SHEET EE1-9

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-27-23 12-08-23	V2	22	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		240	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. For single line diagram, see EE0-10.

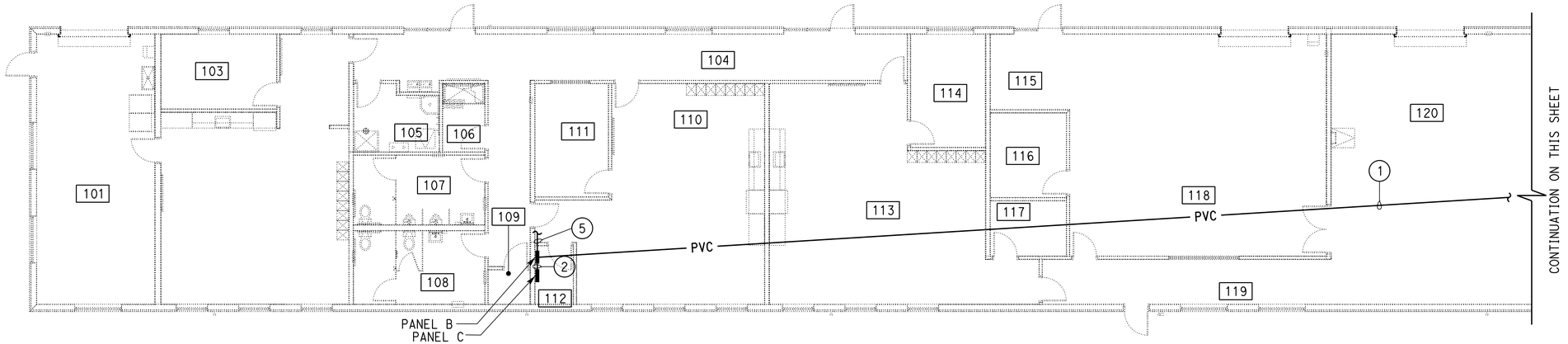
B. For building switchboard details, see EE0-11.

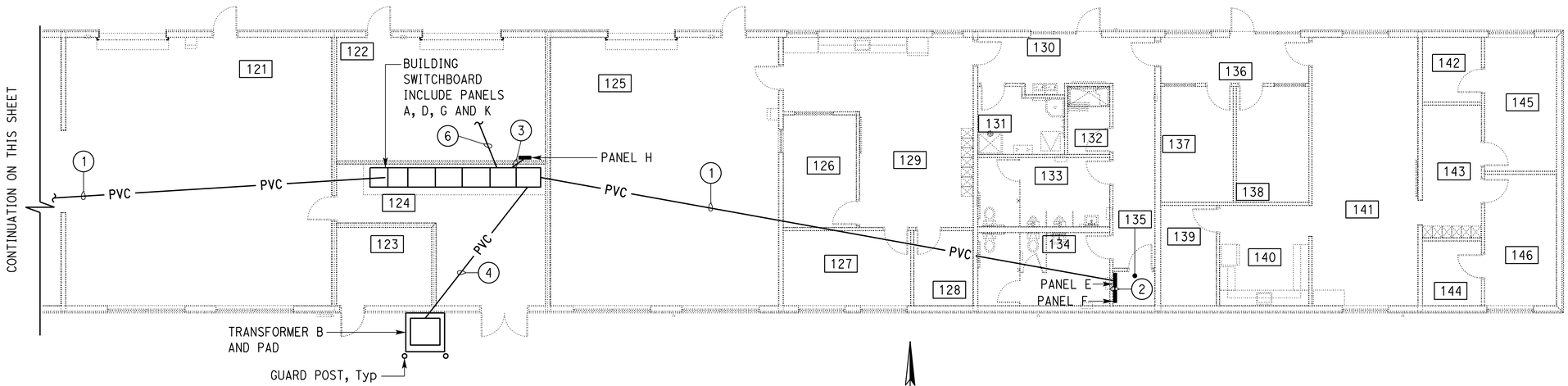
C. For grounding details, see EE0-4.

D. For panelboard schedules, see EE1-80 to 1-84.

NOTES:

1. 3"C, 4#350 KCMIL, 1#350 KCMIL G.
2. 2"C, 4#1, 1#1G.
3. 2"C, 4#4, 1#4G.
4. Three sets of 4"C, 4#500 KCMIL, 1#500 KCMIL G.
5. 1"C, 2#8, 1#8G to existing survey panel. For continuation, see EE0-3.
6. 2"C, 3#2, 1#2G to sewage lift station control panel. For continuation, see EE0-3.





FLOOR PLAN

1/8" = 1'-0"

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD LOCATIONS

SHEET EE1-11

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
12-03-2201-06-2302-25-2311-21-23						V2	23	62

TAEMWW Imperial - CCSC Rev. 12/20

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		241	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES FOR LIGHTING PLANS:

A. General lighting for each location is shown on 2 accompanying sheets designated as "Lighting Power Plan" and "Lighting Control Plan. "Lighting Power Plan" shows the power (line voltage switching and low voltage dimming) and "Lighting Control Plan" shows the low voltage lighting network controls and connections to lighting control devices.

B. For exact location of lighting fixtures, see Architectural plans.

C. Provide unswitched line wire to emergency battery packs without wiring through switching devices.

D. Control conductors occupying the same conduit/raceway as power conductors must have the same insulation rating as the power conductors.

E. For light fixture schedule, see EE1-29. For lighting control program schedule, see EE1-33.

F. For panelboard schedules, see sheet EE1-80 thru EE1-84.

G. All power pack relays and interface dimming device must be installed inside a junction box and mounted in an open ceiling, gyp board or above 2'x4' tiles for easy maintenance. Provide Junction box details for review and approval.

H. Label all power pack relays with corresponding circuit number that is feeding it, and the room names, numbers and zones that is being controlled by the device. The same labels must be installed outside the junction box where it is conspicuous.

I. All splices of line voltage conductors for power packs and power supplies must be enclosed in junction box.

J. Exact location of occupancy sensors dimming photocells must be as recommended by the manufacturer.

K. Numbers of installed occupancy sensors and dimming photocells as shown is minimum only. Install additional occupancy sensors and dimming photocell as required to cover all areas.

L. Provide one power pack for each fixture letter a and b in each room or space and one power pack for controlled receptacles in each room or space.

M. All control cables must be as specified by device manufacturer recommendation.

N. Provide approved fittings, fixture mounting hardware, supports, transformers, JB's and any additional equipment/devises for proper installation/operation of the system with no additional cost to the State.

O. For interconnection of Lighting Network Gateways (LNG) and Lighting Control Hubs (LCH), see sheet EE1-34. For building exterior lighting control panel, see EE1-35.

P. All power packs and related junction boxes must be installed above ceilings at the locations as shown.

LEGEND (LIGHTING PLAN SHEETS)

SYMBOL	DESCRIPTION
	LED LIGHT FIXTURE
	LED LIGHT FIXTURE EQUIPPED WITH INTEGRAL EMERGENCY BATTERY PACK
	EXIT LIGHT FIXTURE
PP a,b,c	POWER PACK, a FOR FIXTURES WITH LETTER a, b FOR FIXTURES WITH LETTER b, c FOR CONTROLLED RECEPTACLES
OC	OCCUPANCY SENSOR
OCD	DAYLIGHT OCCUPANCY SENSOR
S_D	DIMMING SWITCH TYPE 1
S_{2D}	DIMMING SWITCH TYPE 2
S_3	THREE WAY SWITCH
S	SWITCH
S_T	TIMER SWITCH

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

GENERAL NOTES AND SYMBOLS FOR LIGHTING PLANS

SHEET **EE1-20**

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
12-03-22	11-27-23							V2	24	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		242	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

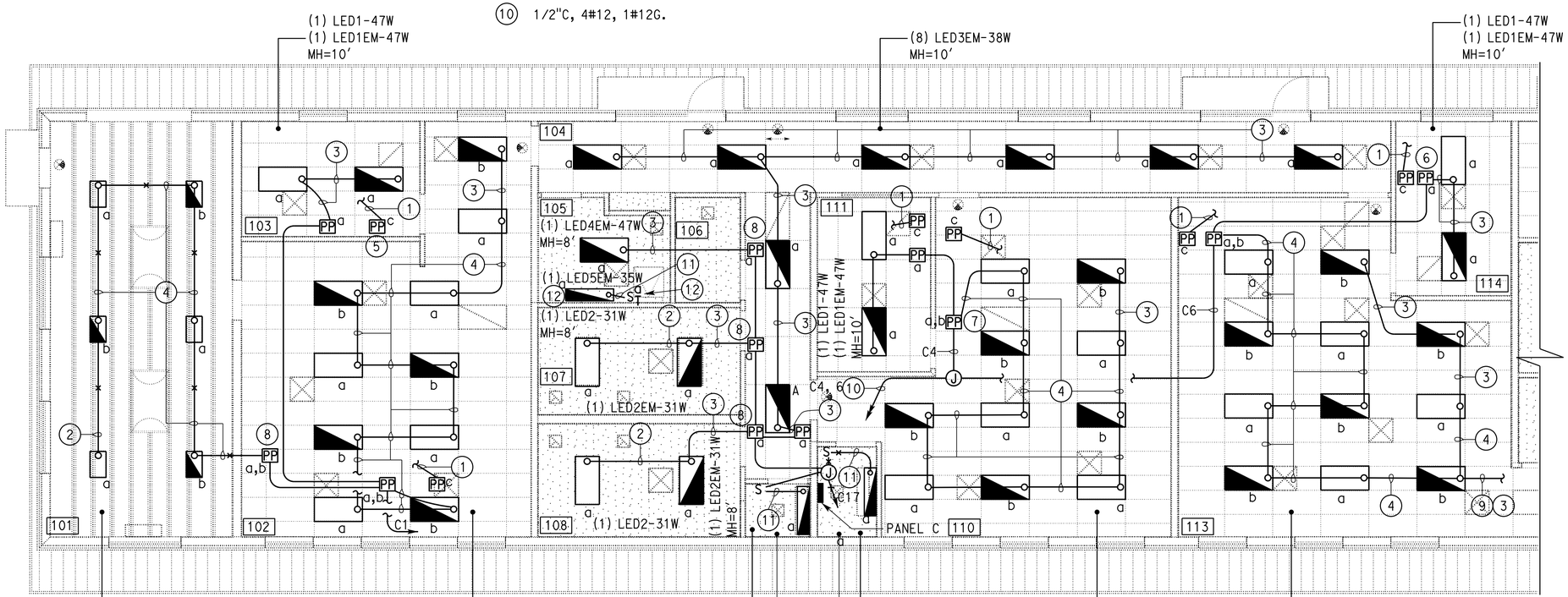
GENERAL NOTES:

A. power packs must have junction boxes installed to separate power conductors from communication cables. Power junction boxes must be sized for circuit conductors to power packs, switched power and dimming conductors to light fixtures and power conductors to controlled duplex receptacles as indicated.

B. Install one power pack for each light fixture/switch letters for each room or space.

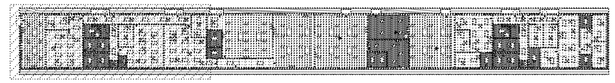
NOTES:

1. 1/2"C, 3#12 (power, neutral and switched power by occupancy sensor for controlled receptacles), 1#12G. For continuation, see EE1-1.
2. 1/2"C, 4#12 (switched power, neutral and 2 dimming conductors), 1#12G.
3. 1/2"C, 5#12 (switched power, neutral, unswitched power for emergency battery pack and 2 dimming conductors), 1#12G.
4. 3/4"C, 8#12 (2 switched power, neutral, unswitched power for emergency battery pack and 4 dimming conductors), 1#12G.
5. Power pack "c" for occupancy controlled duplex receptacles, typical.
6. Power pack "a" for light fixtures "a", typical.
7. Power pack "a" for light fixtures "a" and power pack "b" for light fixtures "b", typical.
8. Power pack above ceiling for adjacent room or space.
9. To next light fixture. For continuation, see EE1-22.
10. 1/2"C, 4#12, 1#12G.
11. 1/2"C, 3#12 (switched power, neutral, unswitched power for emergency battery pack), 1#12G.
12. Mount light fixture and timer switch inside the attic space. Exact mounting location to be determined by the Engineer in the field. Set timer switch time delay to 30 minutes. Timer switch must have built-in audible and visual alarm before turning off lights.



REFLECTED CEILING PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING POWER PLAN 1

SHEET EE1-21

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 01-06-23 02-28-23 11-27-23 12-08-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	25	62

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7-JUL-2025 17:04

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		243	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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GENERAL NOTES:

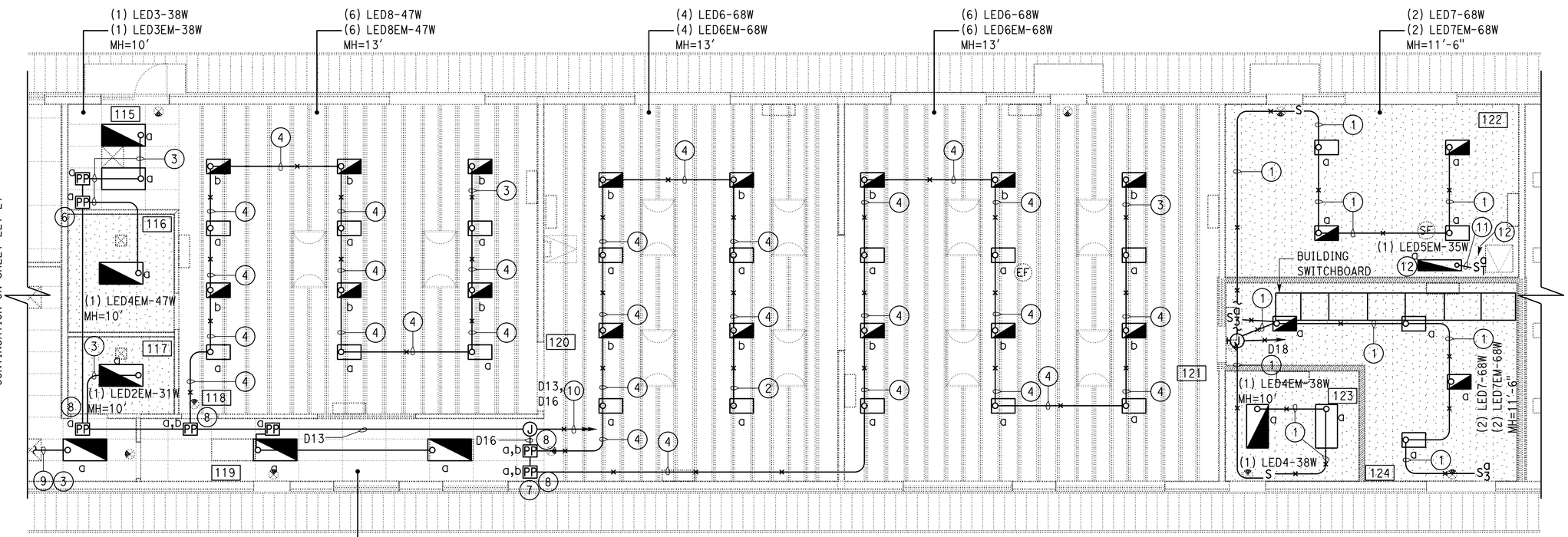
A. power packs must have junction boxes installed to separate power conductors from communication cables. Power junction boxes must be sized for circuit conductors to power packs, switched power and dimming conductors to light fixtures and power conductors to controlled duplex receptacles as indicated.

B. Install one power pack for each light fixture/switch letters for each room or space.

C. Panel D is located inside the building switchboard.

NOTES:

1. 1/2"C, 3#12 (switched power, neutral, unswitched power for emergency battery pack), 1#12G.
2. 1/2"C, 4#12 (switched power, neutral and 2 dimming conductors), 1#12G.
3. 1/2"C, 5#12 (switched power, neutral, unswitched power for emergency battery pack and 2 dimming conductors), 1#12G.
4. 3/4"C, 8#12 (2 switched power, neutral, unswitched power for emergency battery pack and 4 dimming conductors), 1#12G.
5. Not used.
6. Power pack "a" for light fixtures "a", typical.
7. Power pack "a" for light fixtures "a" and power pack "b" for light fixtures "b", typical.
8. Power pack above ceiling for adjacent room or space.
9. To next light fixture. For continuation, see EE1-21.
10. 1/2"C, 4#12, 1#12G.
11. 1/2"C, 3#12 (switched power, neutral, unswitched power for emergency battery pack), 1#12G.
12. Mount light fixture and timer switch inside the attic space. Exact mounting location to be determined by the Engineer in the field. Set timer switch time delay to 30 minutes. Timer switch must have built-in audible and visual alarm before turning off lights.



REFLECTED CEILING PLAN

3/16" = 1′-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY	Javid Amirazodi	CHECKED	Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE		SHEET EE1-22	
DETAILS	BY	Yutch Cowhie/ Shiva Ahmadpour	CHECKED	Javid Amirazodi			POST MILE				
QUANTITIES	BY	Javid Amirazodi	CHECKED	Farshad Tavatli				LIGHTING POWER PLAN 2			

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-03-22 01-06-23 02-25-23 11-28-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	26	62

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7-JUL-2025 17:04

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		244	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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GENERAL NOTES:

A. power packs must have junction boxes installed to separate power conductors from communication cables. Power junction boxes must be sized for circuit conductors to power packs, switched power and dimming conductors to light fixtures and power conductors to controlled duplex receptacles as indicated.

B. Install one power pack for each light fixture/switch letters for each room or space.

NOTES:

(1) 1/2"C, 3#12 (power, neutral and switched power by occupancy sensor for controlled receptacles), 1#12G. For continuation, see EE1-3.

(2) 1/2"C, 4#12 (switched power, neutral and 2 dimming conductors), 1#12G.

(3) 1/2"C, 5#12 (switched power, neutral, unswitched power for emergency battery pack and 2 dimming conductors), 1#12G.

(4) 3/4"C, 8#12 (2 switched power, neutral, unswitched power for emergency battery pack and 4 dimming conductors), 1#12G.

(5) Power pack "c" for occupancy controlled duplex receptacles, typical.

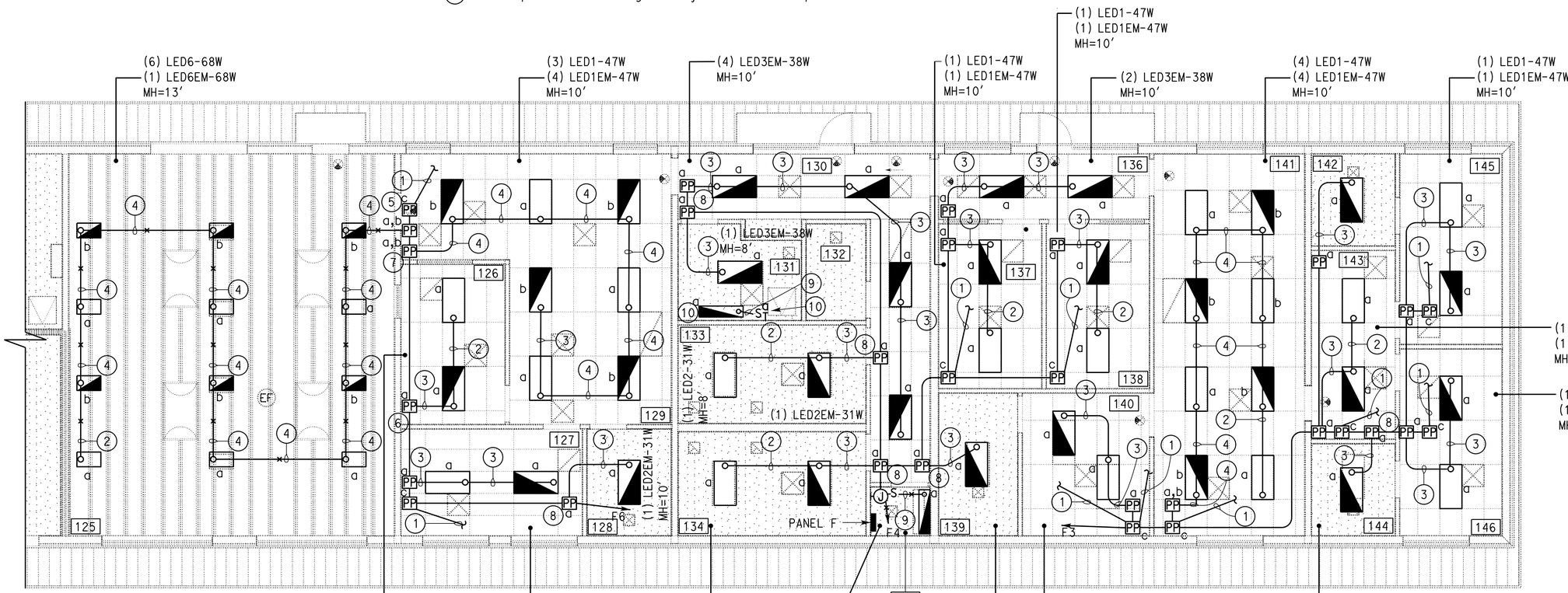
(6) Power pack "a" for light fixtures "a", typical.

(7) Power pack "a" for light fixtures "a" and power pack "b" for light fixtures "b", typical.

(8) Power pack above ceiling for adjacent room or space.

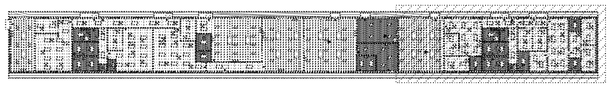
(9) 1/2"C, 3#12 (switched power, neutral, unswitched power for emergency battery pack), 1#12G.

(10) Mount light fixture and timer switch inside the attic space. Exact mounting location to be determined by the Engineer in the field. Set timer switch time delay to 30 minutes. Timer switch must have built-in audible and visual alarm before turning off lights.



REFLECTED CEILING PLAN

3/16" = 1′-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING POWER PLAN 3

SHEET **EE1-23**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 12-08-23	V2	27	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		245	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. All cables between switches, power packs, occupancy sensors and lighting control hubs (LCH) must be Category 5e (CAT 5e) cable.

B. All cables must be installed in 3/4" conduit and must be concealed in wall or ceiling, except as noted.

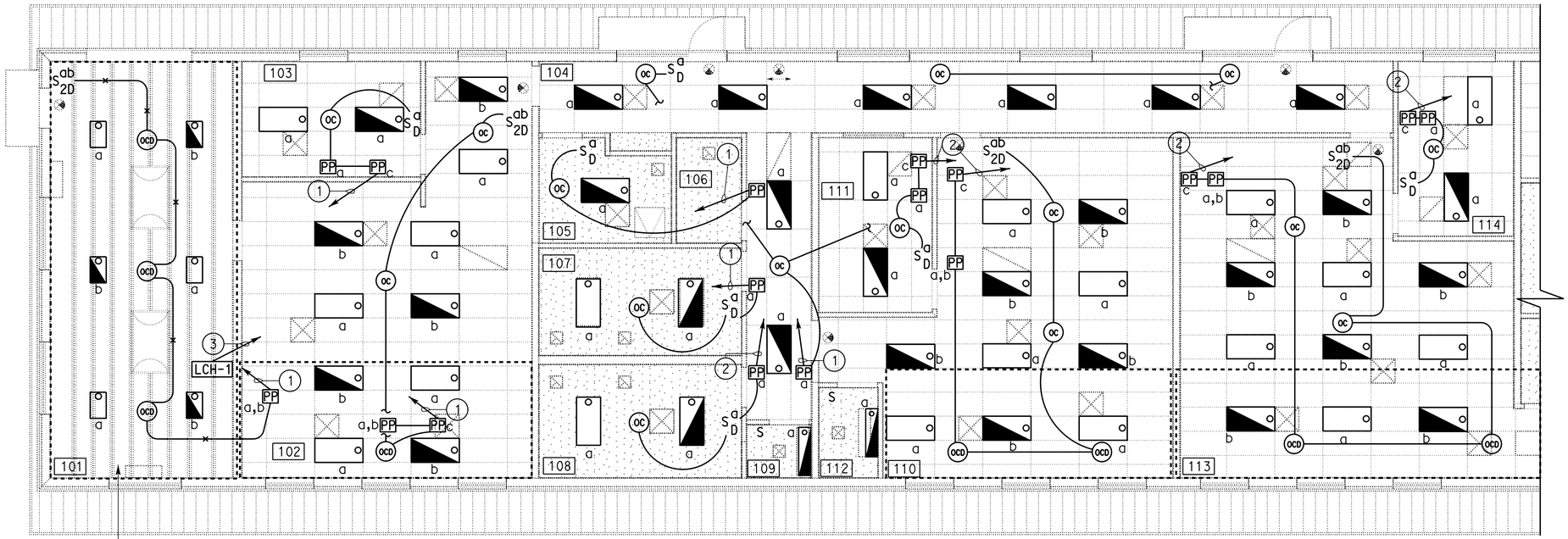
C. Locations of junction boxes between LCH's (inside enclosures) and room devices are not shown for clarity, see EE1-34 for details.

NOTES:

(1) 1/2"C, one CAT 5e cable to LCH-1 in room 101 via JB.

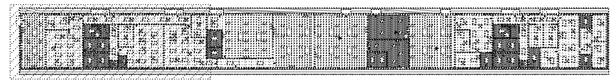
(2) 1/2"C, one CAT 5e cable to LCH-2 in room 118 via JB.

(3) 1/2"C, one CAT 5e cable to LCH-2.



REFLECTED CEILING PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING CONTROL PLAN 1

SHEET EE1-24

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 01-06-23 02-28-23 11-27-23 12-08-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	28	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 12/20

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7-JUL-2025 17:04

GENERAL NOTES:

A. All cables between switches, power packs, occupancy sensors and lighting control hubs (LCH) must be Category 5e (CAT 5e) cable.

B. All cables must be installed in 3/4" conduit and must be concealed in wall or ceiling, except as noted.

C. Locations of junction boxes between LCH's (inside enclosures) and room devices are not shown for clarity, see EE1-34 for details.

D. LCH-4 is located inside lighting control section of Building Switchboard in room 124.

NOTES:

(1) 1/2"C, one CAT 5e cable to LCH-3 in room 121 via JB.

(2) 1/2"C, one CAT 5e cable to LCH-3.

(3) 1/2"C, one CAT 5e cable to LCH-4.

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		246	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp.06-30-25
ELEC
STATE OF CALIFORNIA

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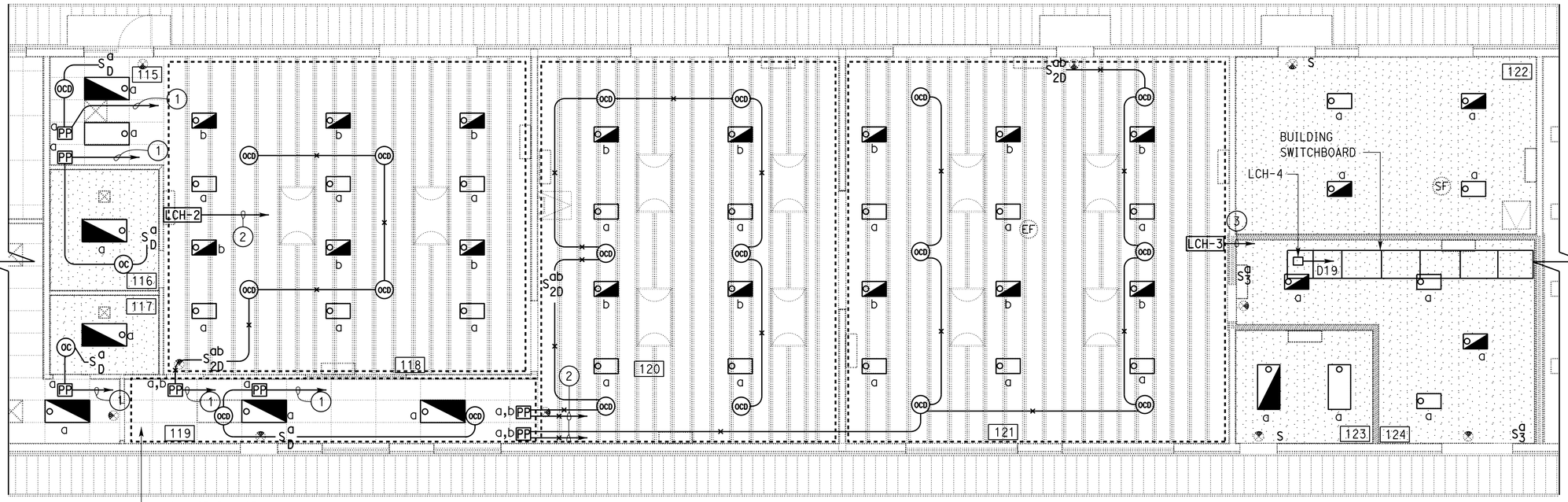

REFLECTED CEILING PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING CONTROL PLAN 2

SHEET EE1-25

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 11-27-23 12-08-23	V2	29	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 12/20

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GENERAL NOTES:

A. All cables between switches, power packs, occupancy sensors and lighting control hubs (LCH) must be Category 5e (CAT 5e) cable.

B. All cables must be installed in 3/4" conduit and must be concealed in wall or ceiling, except as noted.

C. Locations of junction boxes between LCH's (inside enclosures) and room devices are not shown for clarity, see EE1-34 for details.

D. LCH-4 is located inside lighting control section of Building Switchboard in room 124.

NOTES:

(1) 1/2"C, one CAT 5e cable to LCH-8 in room 125 via JB.

(2) 1/2"C, one CAT 5e cable to LCH-7 in room 125 via JB.

(3) 1/2"C, one CAT 5e cable to LCH-6 in room 125 via JB.

(4) 1/2"C, one CAT 5e cable to LCH-5 in room 125 via JB.

(5) 1/2"C, one CAT 5e cable.

(6) 1/2"C, one CAT 5e cable to LCH-4.

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		247	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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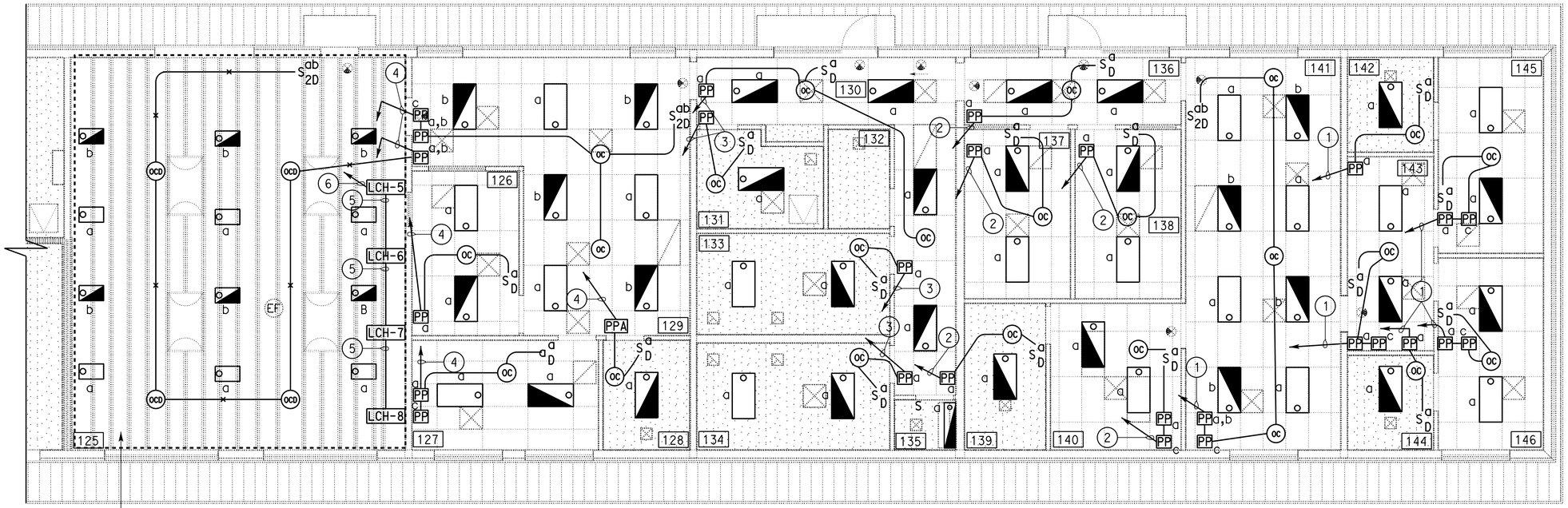
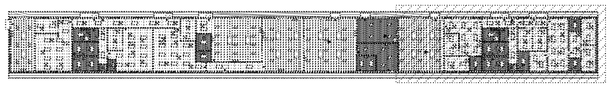


REFLECTED CEILING PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING CONTROL PLAN 3

SHEET EE1-26

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 01-06-23 02-28-23 12-08-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 12-08-23	V2	30	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

TAEMWW Imperial - CCSC Rev. 12/20

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7-JUL-2025 17:04

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		248	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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GENERAL NOTES:

A. For interconnection of Lighting Network Gateways (LNG) and Lighting Control Hubs (LCH), see sheet EE1-34.

B. Building exterior lighting control panel is located in lighting control section of Building Switchboard.

C. For exact locations of exterior light fixtures, see Architectural plan sheets.

NOTES:

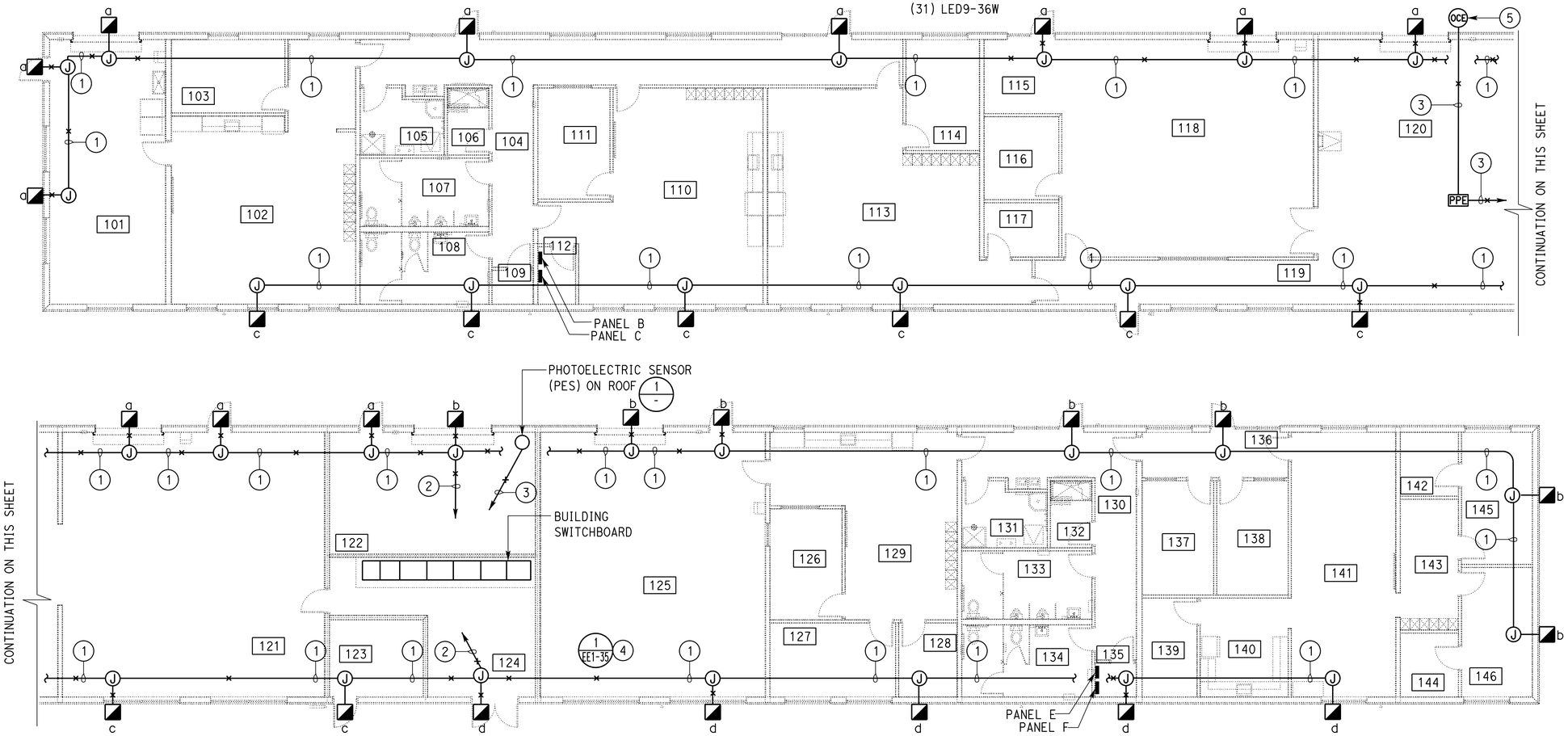
(1) 3/4"C, 3#10, dimming cables, 1#10G.

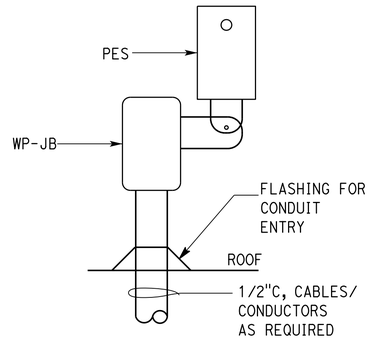
(2) 1"C, 3#10, dimming cables, 1#10 to building exterior lighting control panel.

(3) 1/2"C, cables/conductors as required to building exterior lighting control panel.

(4) Install warning plate on the enclosure. Warning plate must read as "TURN OFF CIRCUIT "D10" TO DE-ENERGIZE PANEL".

(5) Exterior occupancy sensor, mount under the soffit.





(1) DETAIL
NO SCALE

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

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXTERIOR LIGHTING PLAN

SHEET **EE1-27**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-23-23 12-08-23	V2	31	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		249	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. Mount emergency light fixtures 18" above door frames, unless noted otherwise.

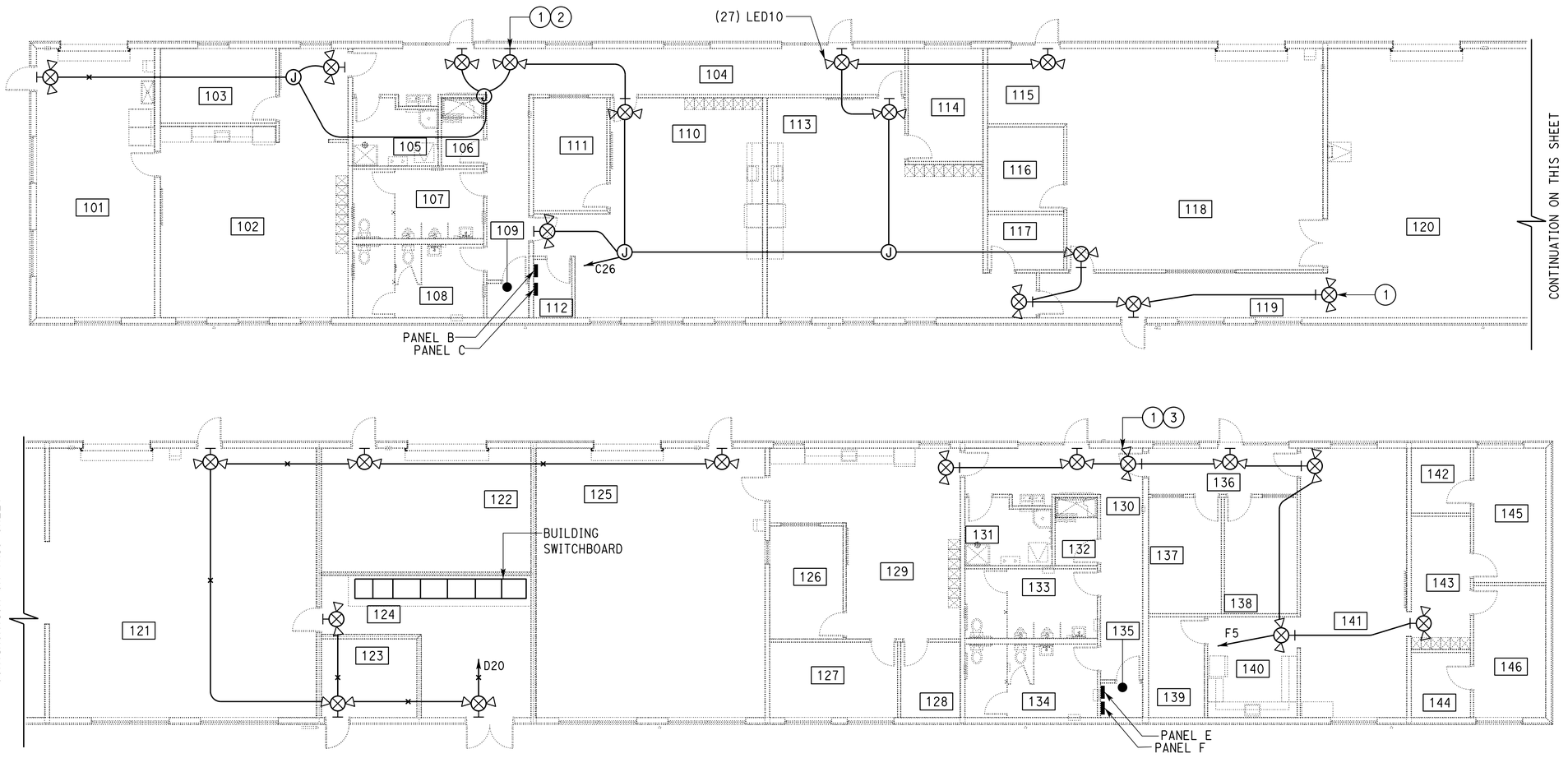
B. Panel D is located inside building switchboard.

NOTES:

(1) Mount emergency light fixture 7'-6" from finished floor.

(2) Fixture must have directional arrows toward both exit doors of hallway 104.

(3) Fixture must have directional arrow toward exit door of hallway 130.



FLOOR PLAN

1/8" = 1'-0"

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EMERGENCY EXIT LIGHTING PLAN

SHEET **EE1-28**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-25-23 12-08-23	V2	32	62

7-JUL-2025 17:04

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		250	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

LIGHTING FIXTURE SCHEDULE

FIXTURE NAME	LOCATIONS/NUMBER OF FIXTURES	MANUFACTURER MODEL	DESCRIPTION
LED1, LED1EM	ROOM 102: (5) LED1, (5) LED1EM ROOM 103: (1) LED1, (1) LED1EM ROOM 110: (5) LED1, (5) LED1EM ROOM 111: (1) LED1, (1) LED1EM ROOM 113: (5) LED1, (7) LED1EM ROOM 114: (1) LED1, (1) LED1EM ROOM 119: (2) LED1EM ROOM 126: (1) LED1, (1) LED1EM ROOM 127: (1) LED1, (1) LED1EM ROOM 129: (3) LED1, (4) LED1EM ROOM 137: (1) LED1, (1) LED1EM ROOM 138: (1) LED1, (1) LED1EM ROOM 140: (1) LED1, (1) LED1EM ROOM 141: (4) LED1, (4) LED1EM ROOM 143: (1) LED1, (1) LED1EM ROOM 145: (1) LED1, (1) LED1EM ROOM 146: (1) LED1, (1) LED1EM	LITHONIA 2VTL4 SERIES, CREE CR24 LED SERIES, OR EQUAL	2′ X 4′ RECESSED LED TROFFER, 47W LED ENGINE AT 120V, 6300 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN WITH CRI OF AT LEAST 80 AND LIFETIME FOR 50,000 HOURS. THE FIXTURE MUST HAVE LINEAR FACETED REFLECTOR CAVITY, SLOPED END PLATES AND ADVANCED OPTICAL FILM. THE FIXTURE MUST BE CONSTRUCTED FROM ONE PIECE OF COLD ROLLED STEEL COATED POLYESTER, PAINTED, COMPLETE WITH A SINGLE CLEAR ACRYLIC DIFFUSER TO PROVIDE LED ENGINE CONCEALMENT AND WIDE DISTRIBUTION. AC LED ENGINE DRIVER MUST BE UL LISTED, 120V, 50,000 HOUR DESIGN LIFE, 0-10V DIMMING, 0.9 MINIMUM POWER FACTOR, 5-YEAR WARRANTY, COMPLETE WITH INTERNAL THERMAL AND OVERLOAD PROTECTION. FIXTURE MOUNTING ADAPTERS AND TRIMS MUST BE SUITABLE FOR RECESSED MOUNTING IN A GYPBOARD AND GRID-TYPE CEILINGS. FIXTURES NOTED AS EMERGENCY LIGHT FIXTURES MUST HAVE AUTOMATIC INTEGRAL EMERGENCY BATTERY BACKUP WHICH PRODUCES MINIMUM OF 1400 LUMENS FOR 90 MINUTES.
LED2, LED2EM	ROOM 107: (1) LED2, (1) LED2EM ROOM 108: (1) LED2, (1) LED2EM ROOM 117: (1) LED2EM ROOM 128: (1) LED2EM ROOM 133: (1) LED2, (1) LED2EM ROOM 134: (1) LED2, (1) LED2EM ROOM 142: (1) LED2EM ROOM 144: (1) LED2EM	LITHONIA 2VTL4 SERIES, CREE CR24 LED SERIES, OR EQUAL	LED2/LED2EM MUST BE SAME AS LED1/LED1EM EXCEPT 31W LED ENGINE AT 120V, AND 4200 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN.
LED3, LED3EM	ROOM 104: (8) LED3EM ROOM 115: (1) LED3, (1) LED3EM ROOM 130: (4) LED3EM ROOM 131: (1) LED3EM ROOM 136: (2) LED3EM	LITHONIA 2VTL4 SERIES, CREE CR24 LED SERIES, OR EQUAL	LED3/LED3EM MUST BE SAME AS LED1/LED1EM EXCEPT 38W LED ENGINE AT 120V AND 5300 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN.
LED4, LED4EM	ROOM 105: (1) LED4EM ROOM 116: (1) LED4EM ROOM 123: (1) LED4, (1) LED4EM ROOM 139: (1) LED4EM	LITHONIA 2VTL4 SERIES, CREE CR24 LED SERIES, OR EQUAL	LED4/LED4EM MUST BE SAME AS LED1/LED1EM EXCEPT 38W LED ENGINE AT 120V, 5300 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN AND SURFACE MOUNTED TO CEILING. FIXTURE MOUNTING ADAPTERS AND TRIMS MUST BE SUITABLE FOR SURFACE MOUNTING IN A GYPBOARD AND GRID-TYPE CEILINGS.
LED5EM	ROOM 109: (1) LEDE5M ROOM 112: (1) LEDE5M ROOM 135: (1) LEDE5M ATTIC SPACES ABOVE ROOMS 105, 122 AND 131: (3) LEDE5M	LITHONIA VTL4 SERIES, CREE CR14 LED SERIES, OR EQUAL	1′ X 4′ SURFACE MOUNT TO CEILING, 35W LED ENGINE AT 120V, 4150 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN WITH CRI OF AT LEAST 80 AND LIFETIME FOR 50,000 HOURS. THE FIXTURE MUST HAVE LINEAR FACETED REFLECTOR CAVITY, SLOPED END PLATES AND ADVANCED OPTICAL FILM. THE FIXTURE MUST BE CONSTRUCTED FROM ONE PIECE OF COLD ROLLED STEEL COATED POLYESTER, PAINTED, COMPLETE WITH A SINGLE CLEAR ACRYLIC DIFFUSER TO PROVIDE LED ENGINE CONCEALMENT AND WIDE DISTRIBUTION. AC LED ENGINE DRIVER MUST BE UL LISTED, 120V, 50,000 HOUR DESIGN LIFE, 0-10V DIMMING, 0.9 MINIMUM POWER FACTOR, 5-YEAR WARRANTY, COMPLETE WITH INTERNAL THERMAL AND OVERLOAD PROTECTION. FIXTURE MOUNTING ADAPTERS AND TRIMS MUST BE SUITABLE FOR SURFACE MOUNTING IN WALLS AND CEILING. FIXTURES NOTED AS EMERGENCY LIGHT FIXTURES MUST HAVE AUTOMATIC INTEGRAL EMERGENCY BATTERY BACKUP WHICH PRODUCES MINIMUM OF 1400 LUMENS FOR 90 MINUTES.
LED6, LED6EM	ROOM 101: (3) LED6, (3) LED6EM ROOM 120: (4) LED6, (4) LED6EM ROOM 121: (6) LED6, (6) LED6EM ROOM 125: (6) LED6, (6) LED6EM	LITHONIA IBG HEF ACL, ALBEO ABV3, OR EQUAL	LED HIGH BAY, SUSPENDED, SLIM PROFILE FIXTURE, 68W MAXIMUM REPLACEABLE LED ENGINES, TYPE 5 DISTRIBUTION, 12000 MINIMUM LUMENS DELIVERED AT MINIMUM 5000 DEGREE KELVIN AND WITH CRI OF AT LEAST 80. THE FIXTURE MUST BE CONSTRUCTED FROM ONE-PIECE DIE-CAST ALUMINUM AND POWDER COATED WITH CORROSION RESISTANCE FINISH COMPLETE WITH A CLEAR ACRYLIC LENS AND ALUMINUM HEAT SINKS. LED ENGINE DRIVER MUST BE UL LISTED, 120V, 50,000 HOUR DESIGN LIFE, 0-10V DIMMING, 0.9 MINIMUM POWER FACTOR, 5-YEAR WARRANTY, COMPLETE WITH INTERNAL THERMAL AND OVERLOAD PROTECTION. FIXTURE MOUNTING HEIGHT MUST BE AS INDICATED ON THE PLANS. FIXTURE MUST COME WITH HARDWARE AS REQUIRED FOR SUSPENDED AND SURFACE MOUNTING AS SHOWN ON THE PLANS. FIXTURES NOTED AS EMERGENCY LIGHT FIXTURES MUST HAVE AUTOMATIC INTEGRAL EMERGENCY BATTERY BACKUP WHICH PRODUCES MINIMUM OF 1400 LUMENS FOR 90 MINUTES.
LED7, LED7EM	ROOM 124: (2) LED7, (2) LED7EM ROOM 122: (2) LED7, (2) LED7EM	LITHONIA IBG HEF ACL, ALBEO ABV3, OR EQUAL	LED7/LED7EM MUST BE SAME AS LED6/LED6EM EXCEPT THEY MUST BE SURFACE MOUNTED TO CEILING. FIXTURE MOUNTING ADAPTERS AND TRIMS MUST BE SUITABLE FOR SURFACE MOUNTING IN A GYPBOARD CEILINGS.
LED8, LED8EM	ROOM 118: (6) LED8, (6) LED8EM	LITHONIA IBG HEF ACL, ALBEO ABV3, OR EQUAL	LED8/LED8EM MUST BE SAME AS LED6/LED6EM EXCEPT 47W LED ENGINE AT 120V, AND 7600 MINIMUM DELIVERED LUMENS AT 3500 DEGREE KELVIN.
LED9EM		MAXLITE MLLWP40, LSI XCHWM3, OR EQUAL	EXTERIOR WALL PACK LED FIXTURE, 36W MAXIMUM LED ENGINE, 2900 MINIMUM DELIVERED LUMENS AT 4000 DEGREE KELVIN, WITH CRI OF AT LEAST 70 AND LIFETIME FOR 50,000 HOURS. THE FIXTURE MUST BE CONSTRUCTED FROM ALUMINUM, WITH TEMPERED GLASS LENS AND BE SUITABLE FOR WET LOCATIONS. AC LED ENGINE DRIVER MUST BE UL LISTED, 120V, 0-10V DIMMING, 0.9 MINIMUM POWER FACTOR, 5-YEAR WARRANTY, COMPLETE WITH INTERNAL THERMAL PROTECTION AND OVERLOAD PROTECTION. FIXTURE MOUNTING JUNCTION BOX AND GASKET MUST BE SUITABLE FOR MOUNTING ON EXTERIOR WALL LOCATIONS AS INDICATED. FIXTURE MUST COME WITH INTEGRAL 180 DEGREE MOTION SENSOR TO REDUCE THE FIXTURE OUTPUT TO 50% LIGHT LEVEL WHEN NO MOVEMENT IS DETECTED WITHIN A CERTAIN TIME FRAME. FIXTURE MUST HAVE AUTOMATIC INTEGRAL EMERGENCY BATTERY BACKUP TO PROVIDE A MINIMUM OF 1000 LUMENS FOR 90 MINUTES. FIXTURE'S MAXIMUM HEIGHTS MUST BE 10". SEE GENERAL NOTES THIS PAGE.
LED10	EXIT LIGHT FIXTURE (25)	LITHONIA LHQM LED, ECONOLIGHT C-EE-A-EX, OR EQUAL	EXIT LIGHT FIXTURE MUST BE INJECTION MOLDED, FLAME RETARDANT THERMOPLASTIC HOUSING LED EXIT SIGN, WITH 2 LED INDICATOR LIGHTS AND LONG LIFE NICKEL CADMIUM MAINTENANCE FREE BATTERY BACKUP, PUSH TO TEST SWITCH FOR BATTERIES, UNIVERSAL MOUNTING PLATE AND HARDWARE FOR BACK, SIDE OR TOP MOUNTING, UL LISTED, "EXIT" MUST BE SPELLED IN RED 6 INCH HIGH LETTERS, REMOVABLE AND REPLACEABLE CHEVRONS FOR DIRECTION INDICATION.

GENERAL NOTES:

A. For each outdoor fixture type with integral motion sensor provide a hand held remote sensor controller to adjust the light output level of the fixture.

B. Integral motion sensors must be a factory installed motion sensor on the fixture housing and uses passive infrared technology to detect motions. Motion sensor coverage must be equal or greater than 2 mounting height diameter coverage with a 360 Degree circular pattern. Fixture must be complete with an integrated button photocontroller capable of switching lights ON/OFF based on daylighting. Motion sensor must dim the fixture light output by 50% when there is no motion detected.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHT FIXTURE SCHEDULE

SHEET EE1-29

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)								VERSION	SHEET	OF
01-06-23	02-28-23	12-08-23						V2	33	62

7-JUL-2025 17:04

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		251	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

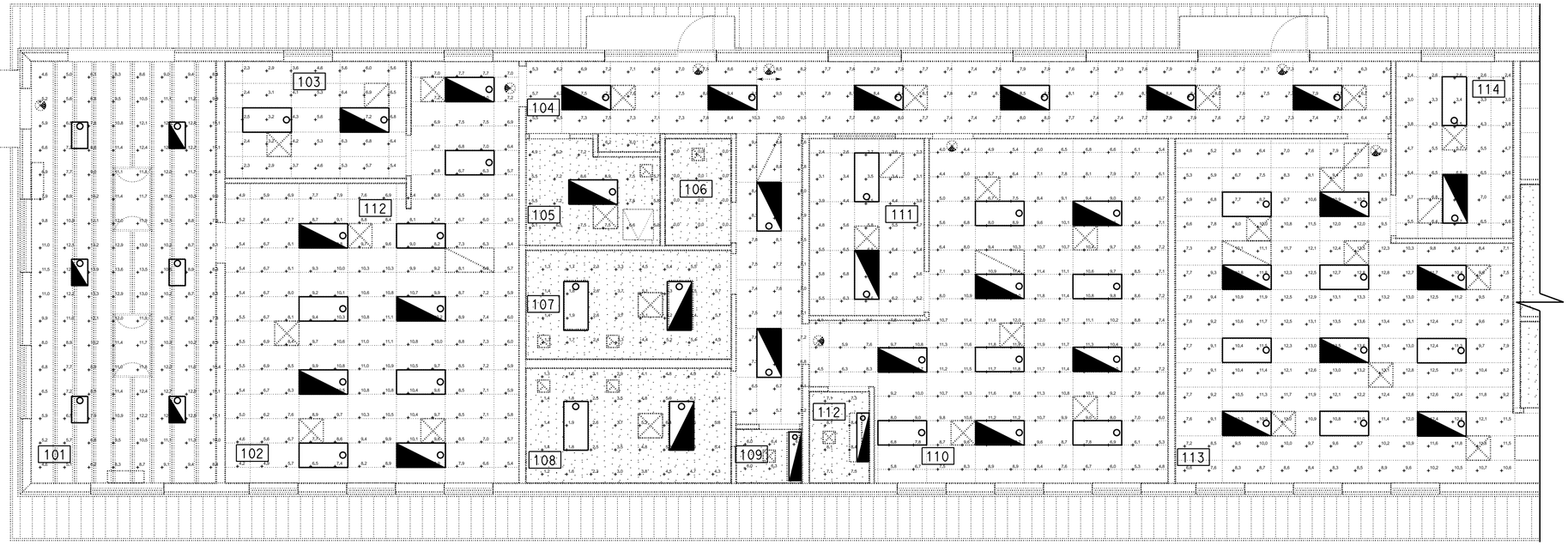
May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

STATISTICS					
DESCRIPTION	AVG *	MAX *	MIN *	MAX/MIN	AVG/MIN
ROOM 101	9.9	13.0	4.6	3.0:1	2.2:1
ROOM 102	7.9	11.1	4.2	2.6:1	1.9:1
ROOM 103	4.7	7.2	2.3	3.1:1	2.0:1
ROOM 104	7.6	10.3	4.4	2.3:1	1.7:1
ROOM 105	6.8	8.9	4.9	1.8:1	1.4:1
ROOM 107	3.6	6.5	1.3	5.0:1	3.0:1
ROOM 108	3.7	6.6	1.2	5.1:1	3.1:1
ROOM 109	6.2	6.4	6.0	1.1:1	1.0:1
ROOM 110	6.7	12.0	4.0	3.0:1	2.2:1
ROOM 111	4.8	7.2	2.3	3.1:1	2.1:1
ROOM 112	7.7	8.4	7.1	1.2:1	1.1:1
ROOM 113	10.1	13.6	4.7	2.9:1	2.1:1
ROOM 114	4.8	7.3	2.4	3.0:1	2.0:1

* VALUES ARE IN FOOT CANDLE

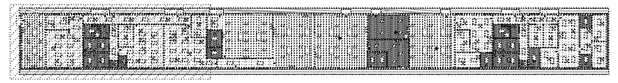


REFLECTED CEILING PLAN

3/16" = 1'-0"

GENERAL NOTE:

A. Foot-Candle measurements on this page is based only on fixtures with backup battery.



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET EE1-30
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE	BATTERY PACK LIGHTING FOOT-CANDLE PLAN 1	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 11-27-23 12-08-23	V2	34	62

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7-JUL-2025 17:04

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		252	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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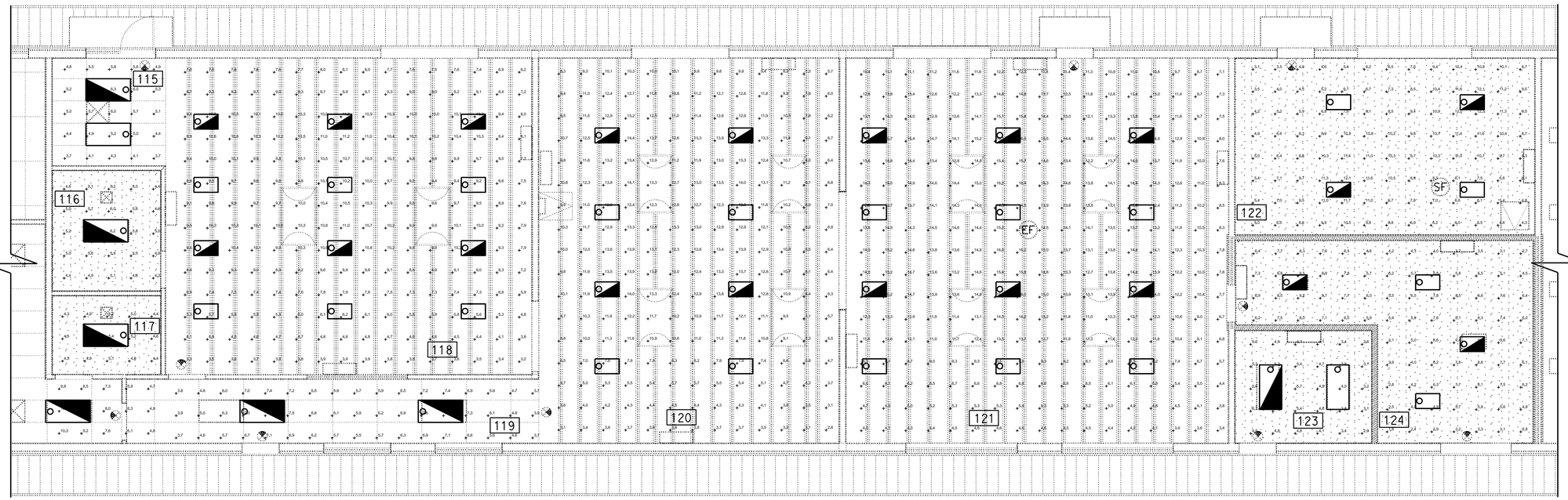
STATISTICS					
DESCRIPTION	AVG *	MAX *	MIN *	MAX/MIN	AVG/MIN
ROOM 115	5.1	6.3	3.7	1.7:1	1.4:1
ROOM 116	5.2	6.2	4.3	1.4:1	1.2:1
ROOM 117	4.8	5.4	4.3	1.3:1	1.1:1
ROOM 118	8.3	11.2	3.2	3.5:1	2.6:1
ROOM 119	6.0	7.8	3.7	2.1:1	1.6:1
ROOM 120	9.7	14.4	2.8	5.1:1	3.5:1
ROOM 121	11.3	16.5	3.4	4.9:1	3.3:1
ROOM 122	8.3	12.3	3.1	4.0:1	2.7:1
ROOM 123	4.5	6.0	2.8	2.1:1	1.6:1
ROOM 124	6.1	9.6	1.8	5.3:1	3.4:1

* VALUES ARE IN FOOT CANDLE

GENERAL NOTE:

A. Foot-Candle measurements on this page is based only on fixtures with backup battery.



REFLECTED CEILING PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET EE1-31
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE	BATTERY PACK LIGHTING FOOT-CANDLE PLAN 2	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 11-27-23 12-08-23	V2	35	62

7-JUL-2025 17:05

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		253	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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STATISTICS					
DESCRIPTION	AVG *	MAX *	MIN *	MAX/MIN	AVG/MIN
ROOM 125	12.3	17.0	4.1	4.1:1	3.0:1
ROOM 126	4.8	7.3	2.4	3.0:1	2.0:1
ROOM 127	4.5	7.0	2.0	3.5:1	2.3:1
ROOM 128	4.6	5.3	3.7	1.4:1	1.2:1
ROOM 129	8.2	10.6	5.0	2.1:1	1.6:1
ROOM 130	7.4	9.5	5.2	1.8:1	1.4:1
ROOM 131	6.8	8.8	4.9	1.8:1	1.4:1
ROOM 133	3.7	6.6	1.2	5.5:1	3.1:1
ROOM 134	3.7	6.5	1.2	5.4:1	3.1:1
ROOM 135	8.5	9.2	7.6	1.2:1	1.1:1
ROOM 136	8.1	9.5	6.3	1.5:1	1.3:1

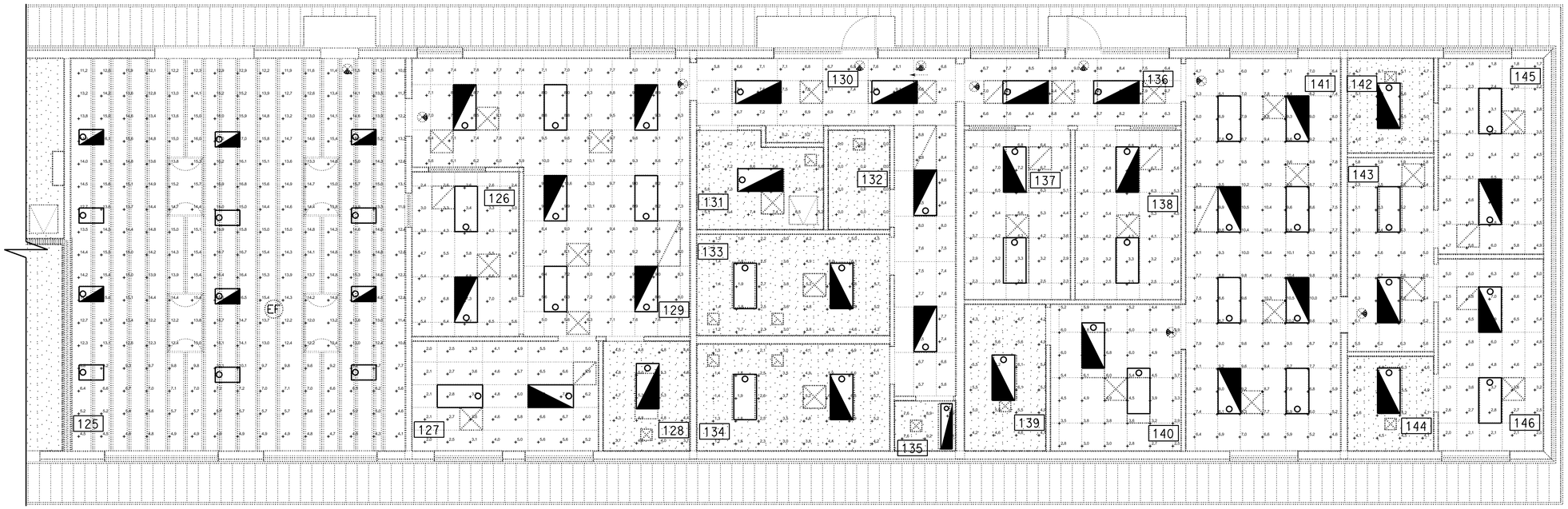
* VALUES ARE IN FOOT CANDLE

STATISTICS					
DESCRIPTION	AVG *	MAX *	MIN *	MAX/MIN	AVG/MIN
ROOM 137	4.8	7.2	2.3	3.1:1	2.1:1
ROOM 138	4.7	7.1	2.4	3.0:1	2.0:1
ROOM 139	5.2	6.2	4.1	1.5:1	1.3:1
ROOM 140	4.6	6.9	2.4	2.8:1	1.8:1
ROOM 141	8.4	10.5	4.6	2.3:1	1.8:1
ROOM 142	5.1	5.6	4.6	1.2:1	1.1:1
ROOM 143	4.7	7.3	1.8	4.1:1	2.6:1
ROOM 144	4.9	5.5	4.1	1.3:1	1.2:1
ROOM 145	4.4	7.0	1.7	4.1:1	2.6:1
ROOM 146	4.5	7.0	2.0	3.5:1	2.3:1

* VALUES ARE IN FOOT CANDLE

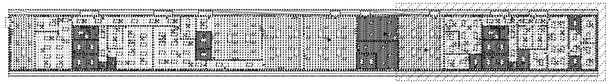
GENERAL NOTE:

A. Foot-Candle measurements on this page is based only on fixtures with backup battery.



REFLECTED CEILING PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

BATTERY PACK LIGHTING
FOOT-CANDLE PLAN 3

SHEET EE1-32

DISREGARD PRINTS BEARING
EARLIER REVISION DATES → 01-06-23 02-25-23 11-27-23 12-08-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	36	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		254	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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ALL SWITCHES AND FIXTURES HAVE FULL DIMMING CONTROL. WALL SWITCHES CAN OVERRIDE ZONE LIGHT LEVELS UNTIL AUTOMATIC RESET.

LIGHTNG CONTROL PROGRAM SCHEDULE

ROOM NUMBER / ROOM NAME	MULTI-LEVEL CONTROL	DAYLIGHTING CONTROL AND SET-POINT	SHUT-OFF CONTROL	* DEMAND RESPONSIVE CONTROL	OTHER CONTROL
101, 102, 103, 110, 111, 113, 114, 118, 120, 121, 122, 125, 126, 127, 129, 137, 138, 141, 143, 145, 146	FIXTURES CONTROLLED BY OCD AND/OR OC SENSORS AND WALL SWITCHES. INITIAL PRESET CONDITION FOR ALL LIGHTS IS TO COME ON AT 50% POWER WITH OCD DETECTION. SECOND PRESET ALL FIXTURES CONTINUOUSLY DIMMED IN ZONE TO MEET LIGHT LEVEL SET-POINT. MANUAL ADJUSTMENT OF FIXTURES BY WALL SWITCHES.	YES/50 FC	MANUAL-ON OR OFF (ALL FIXTURES) BY WALL SWITCH. LIGHTS TO TURN OFF WHEN OFF-SIGNAL RECEIVED FROM LIGHTING NETWORK GATEWAY. FIXTURES OFF INITIATED BY INACTIVE OCCUPANCY SENSOR AFTER 30 MINUTES TIME DELAY. ADDITIONALLY OCCUPANCY SENSOR CONTROLLED DUPLEX RECEPTACLE TO TURN OFF WHEN OFF-SIGNAL RECEIVED FROM LIGHTING NETWORK GATEWAY, IF EXIST IN ROOM.	YES	MANUAL-ON OR FULL AUTOMATIC ON/DIMMING BETWEEN HOURS OF 6:00 TO 18:00. MANUAL-ON THEN FULL AUTOMATIC ON/DIMMING BETWEEN HOURS OF 18:01 TO 5:59. TIME CLOCK PROVIDED BY LIGHTING NETWORK GATEWAY. LIGHTS OCCUPANCY SENSOR/SWITCH CONTROLLED TO TURN OFF WHEN OFF-SIGNAL RECEIVED FROM LIGHTING NETWORK GATEWAY.
104, 105, 107, 108, 115, 116, 117, 119, 128, 130, 131, 133, 134, 136, 139, 140, 142, 144	FIXTURES CONTROLLED BY OC SENSORS AND WALL SWITCHES. OC AUTOMATICALLY TURN ON FIXTURES TO 80%. MANUAL ADJUSTMENT OF FIXTURES BY WALL SWITCHES.	NO	MANUAL-ON OR OFF (ALL FIXTURES) BY WALL SWITCH. LIGHTS TO TURN OFF WHEN OFF-SIGNAL RECEIVED FROM LIGHTING NETWORK GATEWAY. FIXTURES OFF INITIATED BY INACTIVE OCCUPANCY SENSOR AFTER 30 MINUTES TIME DELAY.	NO (NON-HABITABLE LOCATION IS EXCLUDED)	MANUAL-ON OR FULL AUTOMATIC ON/DIMMING BETWEEN HOURS OF 6:00 TO 18:00. MANUAL-ON THEN FULL AUTOMATIC ON/DIMMING BETWEEN HOURS OF 18:01 TO 5:59. TIME CLOCK PROVIDED BY LIGHTING NETWORK GATEWAY. LIGHTS OCCUPANCY SENSOR/SWITCH CONTROLLED TO TURN OFF WHEN OFF-SIGNAL RECEIVED FROM LIGHTING NETWORK GATEWAY.
109, 106, 112, 123, 124, 132, 135	FIXTURES CONTROLLED BY WALL SWITCHES.	NO	MANUAL-ON OR OFF OF FIXTURES BY WALL SWITCH.	NO	MANUAL-ON OR OFF.

* REDUCE TOTAL INSTALLED LIGHTING POWER DENSITY BY 20 PERCENT BELOW DESIGN FULL OUTPUT LEVEL FOR THE DURATION OF DEMAND RESPONSE.

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING CONTROL PROGRAM SCHEDULE

SHEET EE1-33

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
02-25-23 12-08-23	V2	37	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		255	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. Power feeds for LCH's not shown here. Each is fed by circuit D-19 of panel D inside Building Switchboard in room 124.

B. Lighting control cable connects LCH's to power packs in the location indicated.

C. Label all cables with room names and numbers that are being served or controlled by it.

D. power supplies are not shown. provide required power supplies to operate lighting network gateways and lighting control hubs.

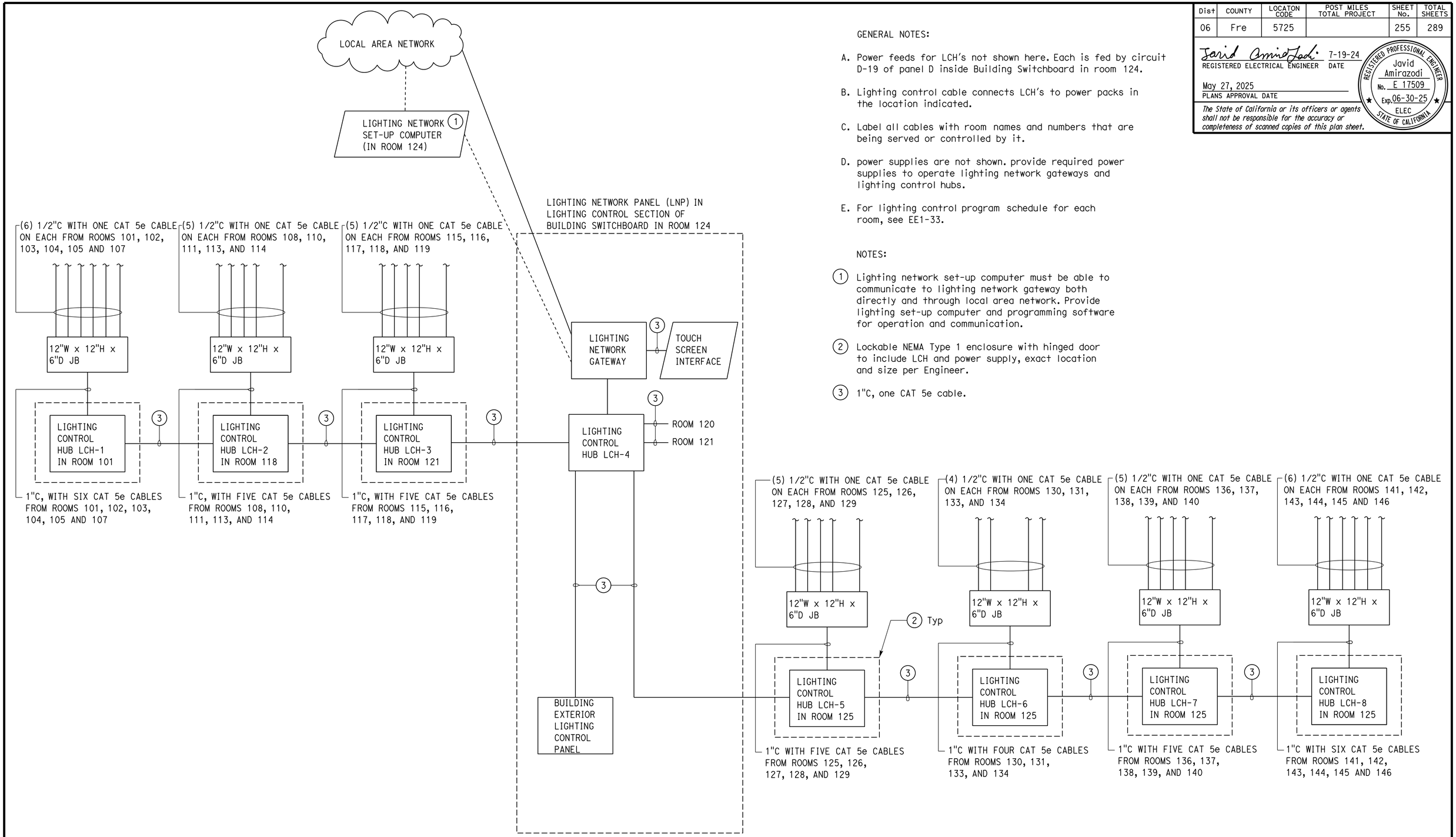
E. For lighting control program schedule for each room, see EE1-33.

NOTES:

(1) Lighting network set-up computer must be able to communicate to lighting network gateway both directly and through local area network. Provide lighting set-up computer and programming software for operation and communication.

(2) Lockable NEMA Type 1 enclosure with hinged door to include LCH and power supply, exact location and size per Engineer.

(3) 1"C, one CAT 5e cable.



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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIGHTING NETWORK INTERCONNECTION

SHEET **EE1-34**

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
02-25-23 12-08-23	V2	38	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		256	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. All building exterior lights must be controlled by photoelectric sensor (PES) and by an astronomical time clock of the lighting network gateway.

B. All building exterior lights must have a motion sensor integrated with the light fixture. Light output must be dimmed to 50% minimum by the sensor when there is no motion detected.

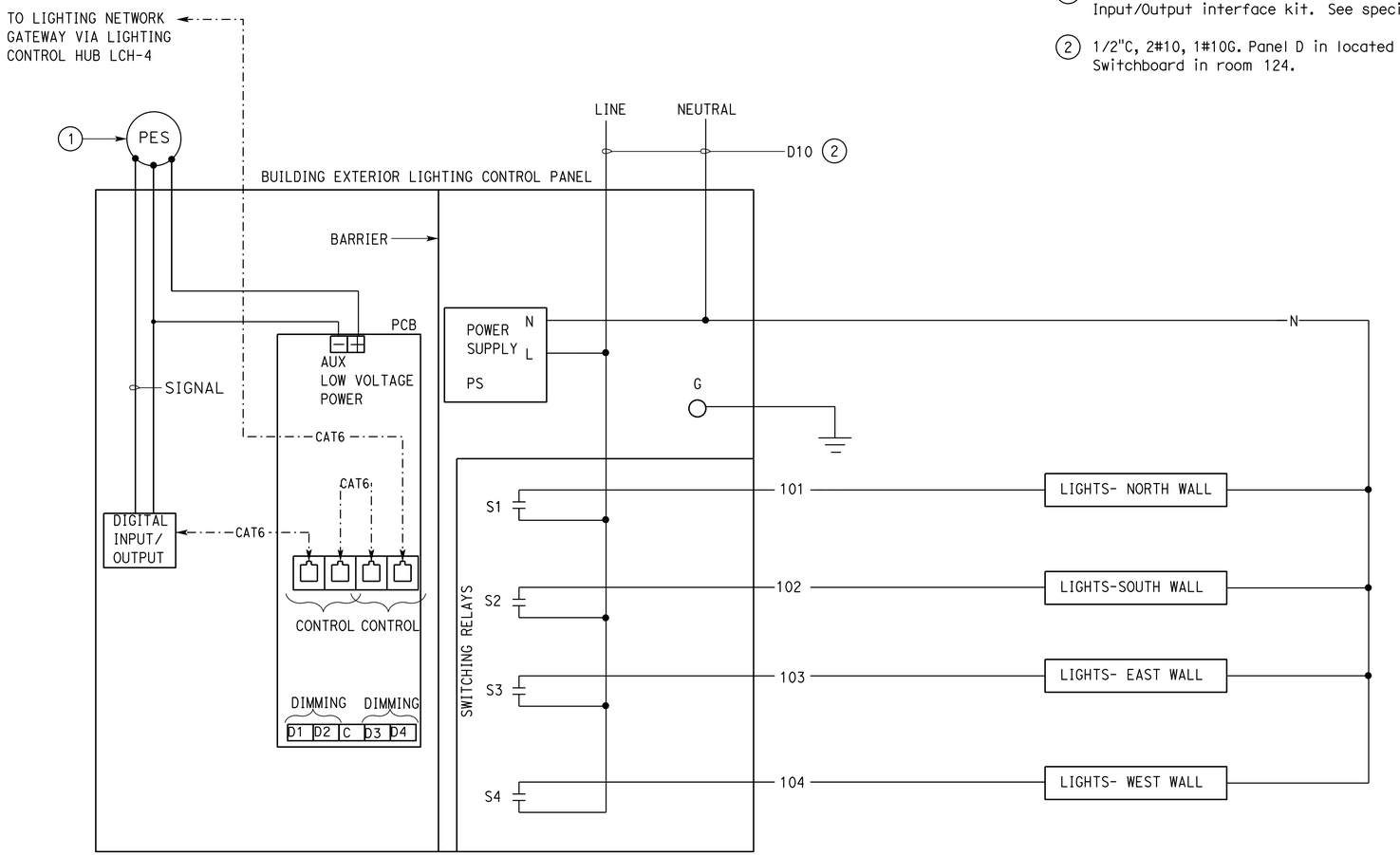
C. Bypass-on capability must be provided through lighting network control system.

D. Provide unswitched line wire to emergency battery packs without wiring through switching devices.

NOTES:

(1) Low voltage photoelectric sensor (PES) as part of the Digital Input/Output interface kit. See specifications.

(2) 1/2"C, 2#10, 1#10G. Panel D in located inside Building Switchboard in room 124.



(1) BUILDING EXTERIOR LIGHTING CONTROL PANEL WIRING DIAGRAM

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	UNIT: 3597 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

BUILDING EXTERIOR LIGHTING CONTROL PANEL

SHEET EE1-35

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
02-23-23	11-22-23	12-07-23					V2	39	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		257	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 ELEC — STATE OF CALIFORNIA

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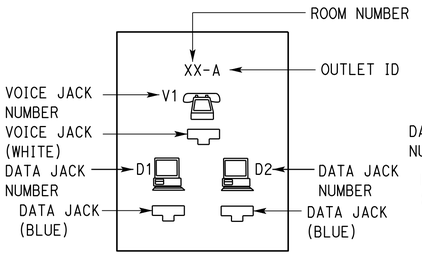
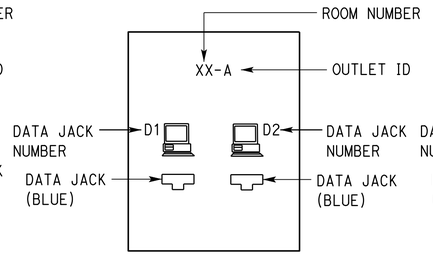


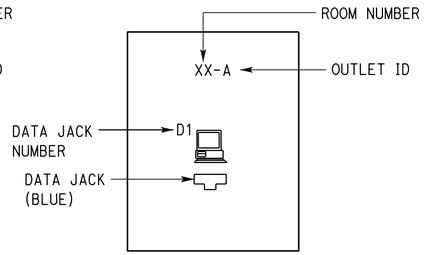
FACEPLATE DETAIL 2 DATA, 1 VOICE

1 NO SCALE



FACEPLATE DETAIL 2 DATA

2 NO SCALE



FACEPLATE DETAIL 1 DATA

3 NO SCALE

LEGEND

(SYMBOLS FOR COMMUNICATION SHEETS)

- WALL MOUNTED OUTLET FOR 2 DATA
- WALL MOUNTED OUTLET FOR 2 DATA, 1 VOICE
- WALL MOUNTED OUTLET FOR 1 DATA
- FLOOR MOUNTED OUTLET FOR 2 DATA, 1 VOICE
- CEILING MOUNTED OUTLET FOR 2 DATA

NOTES:

1. 1-1/2"C, pull tape.
2. Not used.
3. 2-1/2"C, pull tape.
4. 24" width x 18" height x 8" depth junction box.
5. 4"C, PVC, pull tape between communication room 109 and communication room 123. Coordinate with the Engineer for exact stub up locations. For continuation, see EE1-41.

GENERAL NOTES:

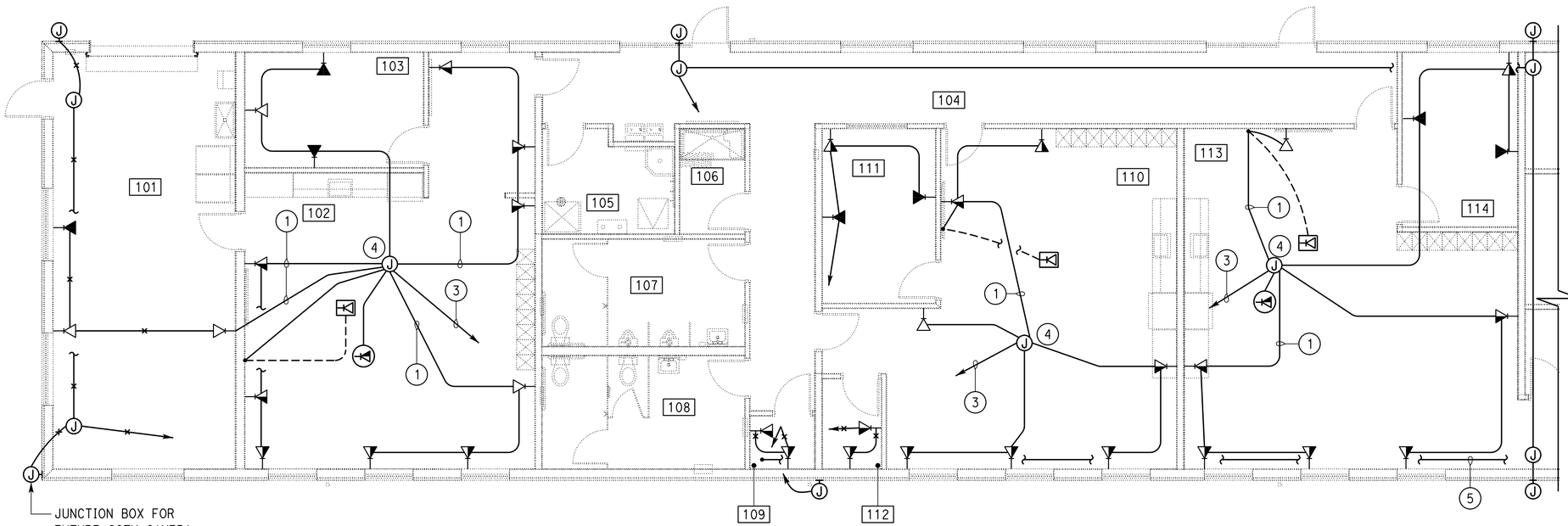
A. All homerun conduits on this sheet must be stubbed down 6" from the south ceiling of room 109. Provide conduit bushings on all conduits.

B. Unless otherwise noted, all conduits on this plan sheet must be 1"C with pull tape (PT).

C. For communication outlet faceplate details, see details 1, 2 and 3 on this sheet.

D. All components must adhere to CAT6 specifications and be terminated in compliance with TIA-568 Standards.

E. Not all junction boxes shown for clarity. Contractor must provide and install adequate number of junction boxes as required, without additional cost to the State. Junction boxes must be sized as required to accommodate number of cables inside.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

COMMUNICATION PLAN 1

SHEET EE1-40

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 11-22-23 12-06-23	V2	40	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		258	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

GENERAL NOTES:

A. All homerun conduits on this sheet must be stubbed down 6" from the south ceiling of room 123. Provide conduit bushings on all conduits.

B. Unless otherwise noted, all conduits on this plan sheet must be 1"C with pull tape (PT).

C. For communication outlet faceplate details, see details 1, 2 and 3 on EE1-40.

D. All components must adhere to CAT6 specifications and be terminated in compliance with TIA-568 Standards.

E. Not all junction boxes shown for clarity. Provide and install adequate number of junction boxes as required, without additional cost to the State. Junction boxes must be sized as required to accommodate number of cables inside.

F. All data and voice cables must be identified with label at both ends of each the cable and inside all junction boxes with pre-printed, heat shrinkable type marker. Each marker must be placed at an easily accessible location somewhere between 6-12 inches from end of each cable. The cable identification marker must adhere to the following convention: Data cable (blue cable) 101-1A to indicates room number 101 and data cable number 1 at outlet A. Voice cable (white cable) 101-1A to indicates room number 101 and voice cable number 1 at outlet A.

NOTES:

(1) 1-1/2"C, pull tape.

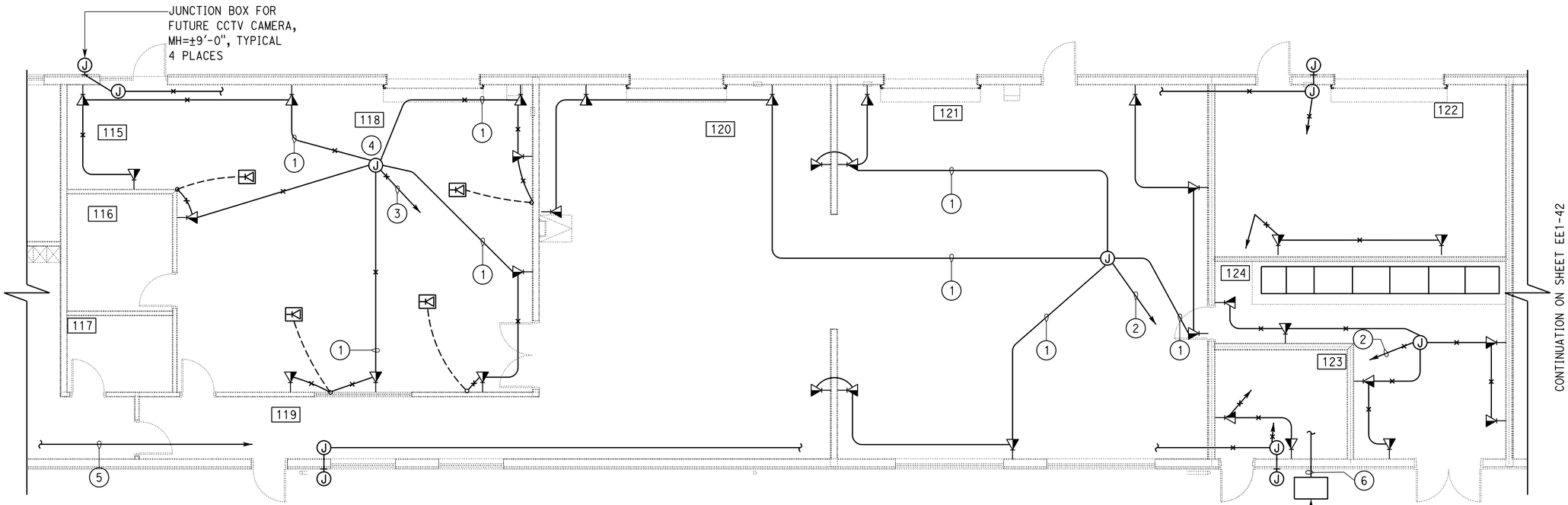
(2) 2"C, pull tape.

(3) 2-1/2"C, pull tape.

(4) 24" width x 18" height x 8" depth junction box.

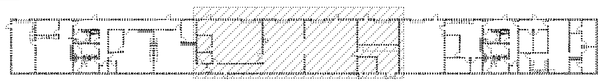
(5) 4"C, PVC, pull tape between communication room 109 and communication room 123. Coordinate with District Engineer for exact stub up locations. For continuation, see EE1-40.

(6) 4"C, PVC, pull tape. Coordinate with District Engineer for exact stub up location.



FLOOR PLAN

3/16" = 1'-0"



KEY PLAN

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

COMMUNICATION PLAN 2

SHEET **EE1-41**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-25-23 11-22-23 12-06-23	V2	41	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		259	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES:

A. All homerun conduits on this sheet must be stubbed down 6" from the south ceiling of room 123. Provide conduit bushings on all conduits.

B. Unless otherwise noted, all conduits on this plan sheet must be 1"C with pull tape (PT).

C. For communication outlet faceplate details, see details 1, 2 and 3 on EE1-40.

D. All components must adhere to CAT6 specifications and be terminated in compliance with TIA-568 Standards.

E. Not all junction boxes shown for clarity. Provide and install adequate number of junction boxes as required, without additional cost to the State. Junction boxes must be sized as required to accommodate number of cables inside.

F. All data and voice cables must be identified with labels at both ends of each the cable and inside all junction boxes with pre-printed, heat shrinkable type marker. Each marker must be placed at an easily accessible location somewhere between 6-12 inches from end of each cable. The cable identification marker must adhere to the following convention: Data cable (blue cable) 101-1A to indicates room number 101 and data cable number 1 at outlet A. Voice cable (white cable) 101-1A to indicates room number 101 and voice cable number 1 at outlet A.

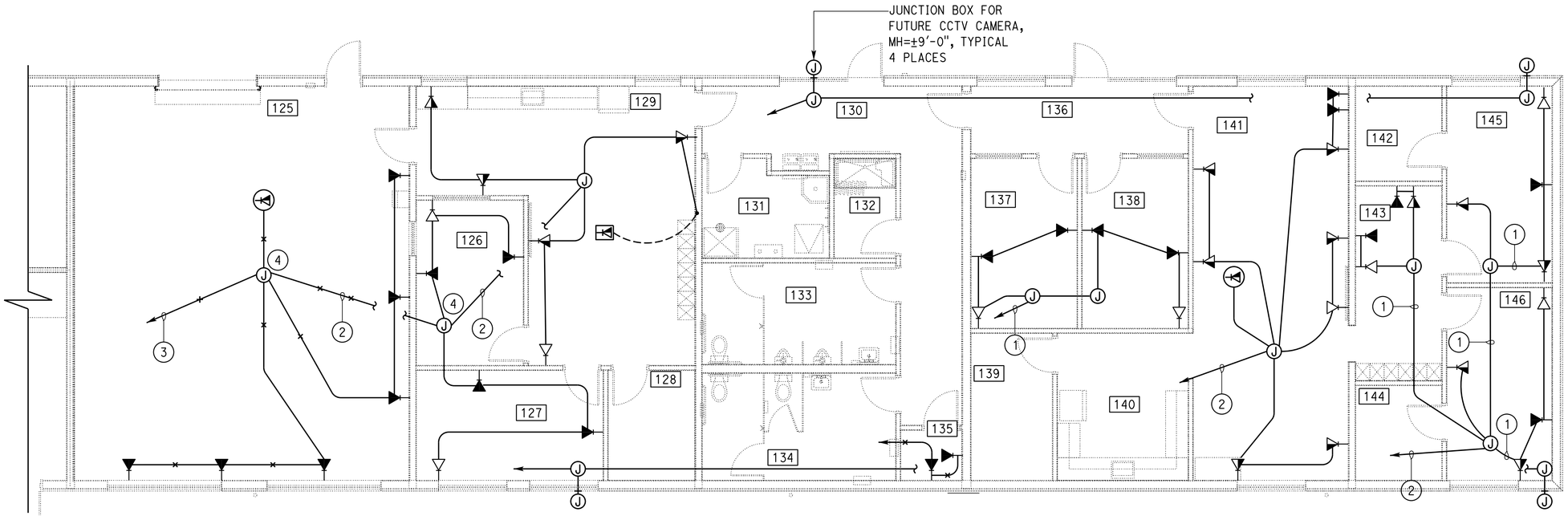
NOTES:

(1) 1-1/2"C, pull tape.

(2) 2"C, pull tape.

(3) 2-1/2"C, pull tape.

(4) 24" width x 18" height x 8" depth junction box.



FLOOR PLAN
3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET EE1-42
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE	COMMUNICATION PLAN 3	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
01-06-23	02-28-23	11-22-23	12-06-23			V2	42	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		260	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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GENERAL NOTES FOR INTRUSION ALARM AND ACCESS SYSTEM PLANS:

A. Conduit system and conductor layout for Intrusion Alarm and Access System is not shown. Submit conduit and conductor layout and all pertinent details to the Engineer for approval prior to installation. See Special Provisions for requirement.

B. Unless otherwise noted, card reader must be mounted on the adjacent wall at a convenient location near the door as directed by the Engineer and as recommended by the manufacturer.

C. All conduit stub ups must be 12" above finished floor or 12" below ceiling. Provide conduit bushings on all conduits.

D. Install expansion modules as required. Expansion modules are not shown.

E. Install power supply inside hinged cover panel, and identify each panel with proper identification. Panel Identification supplied by door hardware manufacturer must read "POWER SUPPLY_ACCESS CONTROL SYSTEM".

F. For intrusion alarm and access system zoning schedules, see EE1-53.

G. Provide and install adequate number of door controller enclosures and conduit home runs to intrusion alarm and access control panels for proper operation of the Intrusion Alarm and Access system. Perform the following at each access card reader controller enclosure location:

All door controller enclosures must be suitable for 120-Volt AC and must be complete with low voltage transformer, power supply, expansion card and other required devices;

Supply door controller enclosures from the nearest unswitched receptacle circuit by using ½"C, 2#12, 1#12G and update affected panel directory.

H. Conduit/conductors to power supplies are not shown for clarity. Conduits must be concealed where applicable.

I. Provide and install required hardware for installation of devices in open ceiling areas.

LEGEND (FOR INTRUSION ALARM AND ACCESS PLANS)

SYMBOL	DESCRIPTION
G	GLASS BREAK DISCRIMINATOR
C	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
C	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
K	KEYPAD
W	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
EL	ELECTRIFIED DOOR LOCK
CR WP	DIGITAL CARD READER, WEATHERPROOF

GENERAL NOTES:

A. All access system conduits and conductors on this plan sheet must be terminated on access control panel 1 in room 112.

B. All intrusion system conduits and conductors on this plan sheet must be terminated on intrusion control panel 1 in room 112.

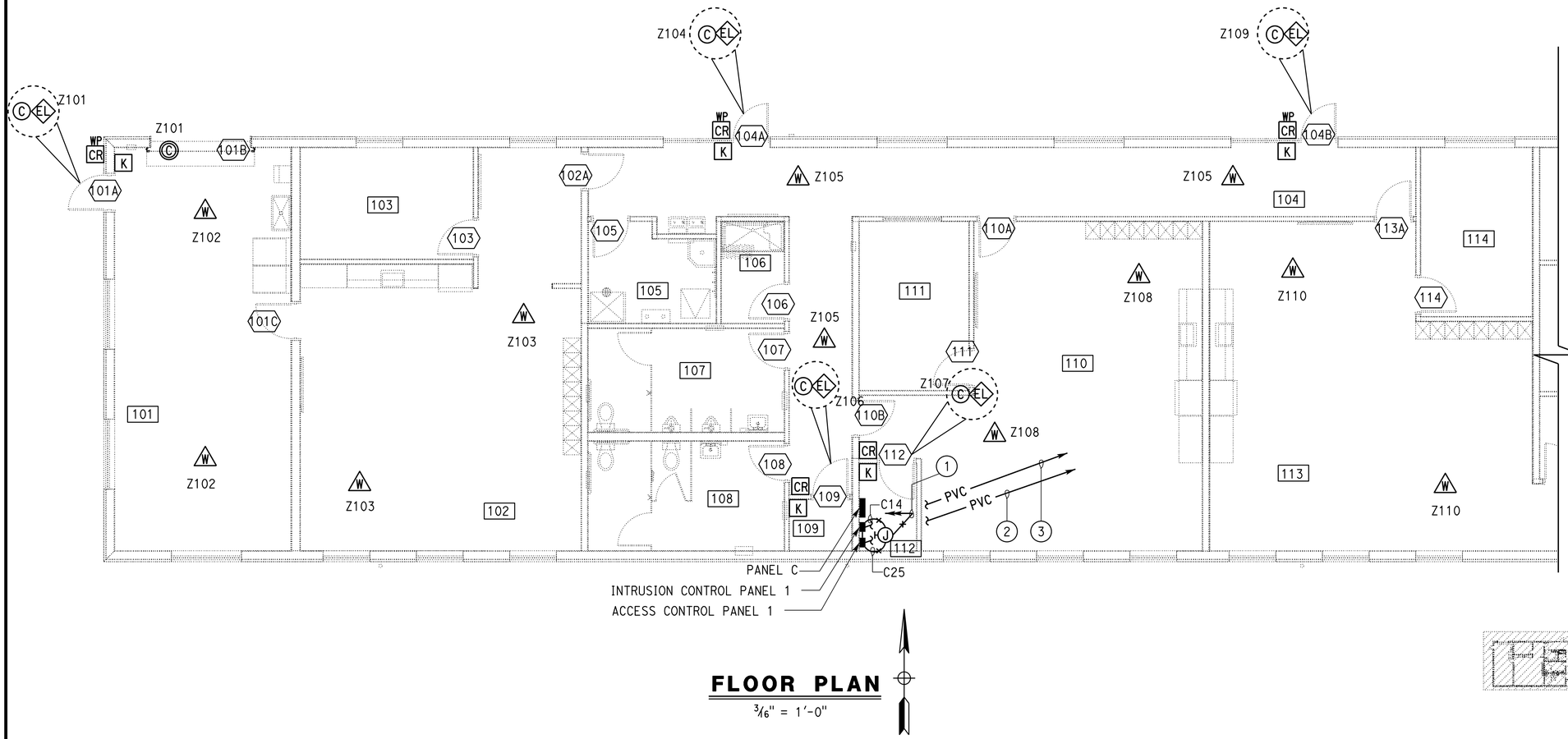
C. Provide conduit/conductors between intrusion and access control panels as required.

NOTES:

(1) 1/2"C 4#12, 1#12G to C14, 25.

(2) 3"C, conductors/cables as required to main access control panel in room 124.

(3) 3"C, conductors/cables as required to main intrusion control panel in room 124.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTRUSION ALARM AND ACCESS SYSTEM PLAN 1

SHEET EE1-50

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
01-06-23 02-28-23 11-22-23 12-06-23	V2	43	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		261	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. All access system conduits and conductors on this sheet must be terminated on main access control panel in room 124.

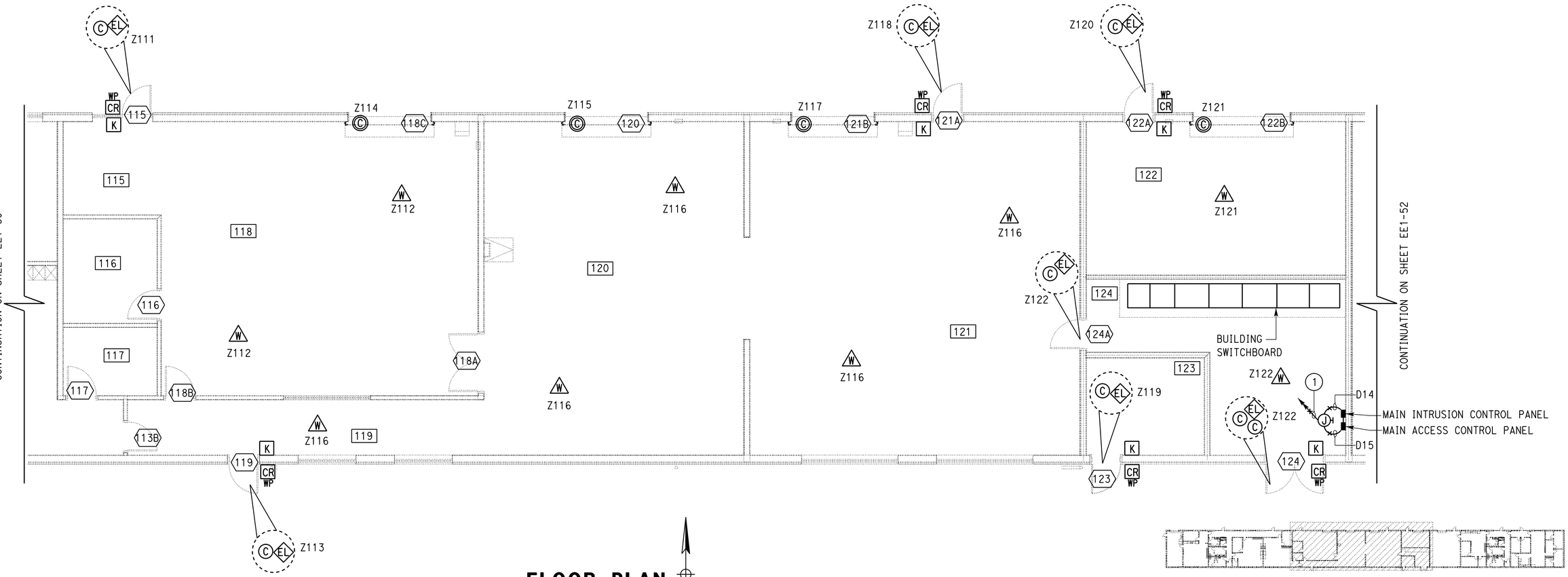
B. All intrusion system conduits and conductors on this sheet must be terminated on main intrusion control panel in room 124.

C. Provide conduit/conductors between intrusion and access control panels as required.

E. Panel D in located inside building switchboard.

NOTE:

(1) 1/2"C, 4#12, 1#12G to D14, 15.



FLOOR PLAN
3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTRUSION ALARM AND ACCESS SYSTEM PLAN 2

SHEET **EE1-51**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-03-22 02-28-23 11-28-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	44	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		262	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTES:

A. All access system conduits and conductors on this plan sheet must be terminated on access control panel 2 in room 135.

B. All intrusion system conduits and conductors on this pain sheet must be terminated on intrusion control panel 2 in room 135.

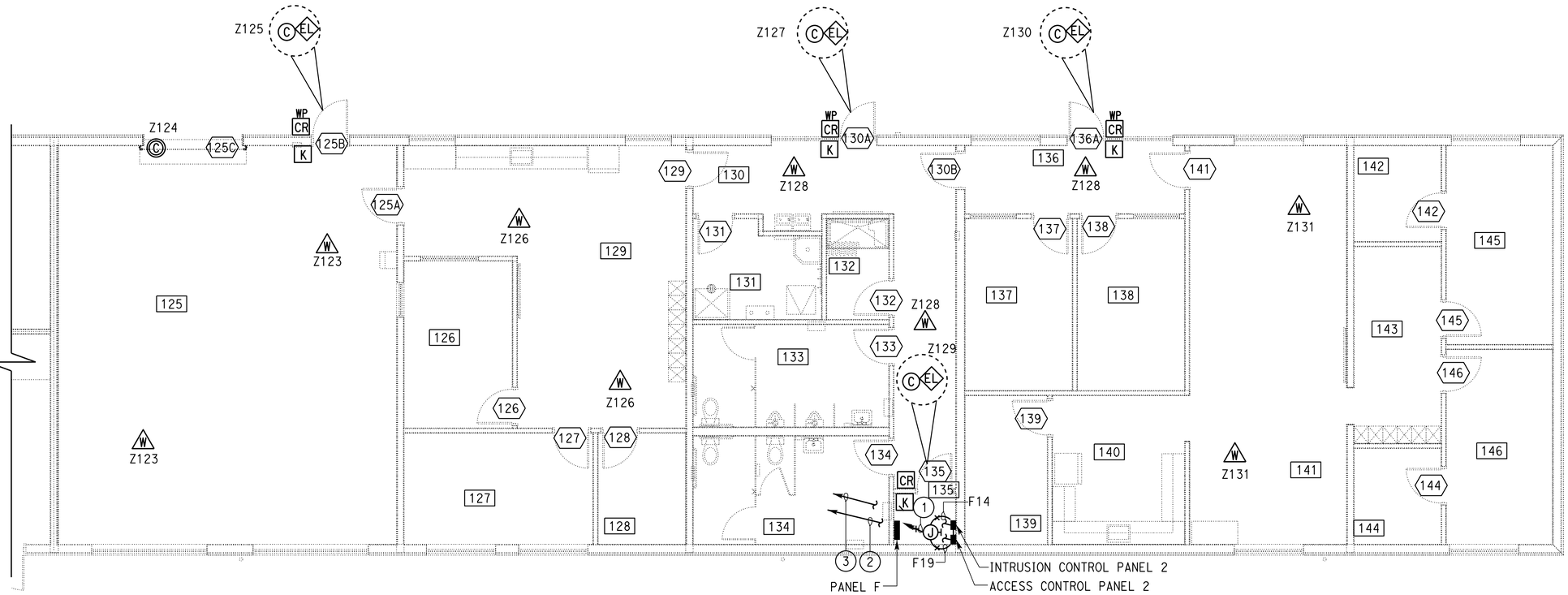
C. Provide conduit/conductors between intrusion and access control panels as required.

NOTES:

(1) 1/2"C, 4#12, 1#12G to F14, 19.

(2) 3"C, PVC, conductors/cables as required to main access control panel in room 124.

(3) 3"C, PVC, conductors/cables as required to main intrusion control panel in room 124.



FLOOR PLAN
3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE
INTRUSION ALARM AND ACCESS SYSTEM PLAN 3

SHEET EE1-52

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-09-22 01-06-23 02-25-23 11-28-23	V2	45	62

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ZONE	LOCATION	QUANTITY	DEVICES DESCRIPTION
101	DOOR 101A, 101B	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
102	ROOM 101	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
103	ROOM 102	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
104	DOOR 104A	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
105	ROOM 104	3	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
106	DOOR 109	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
107	DOOR 112	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
108	ROOM 110	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
109	DOOR 104B	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
110	ROOM 113	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
111	DOOR 115	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
112	ROOM 118	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
113	DOOR 119	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107-109
			111-113-118
114	DOOR 118C	1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
115	DOOR 120	1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
116	ROOM 119, 120, 121	5	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
117	DOOR 121B	1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
118	DOOR 121A	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR

ZONE	LOCATION	QUANTITY	DEVICES DESCRIPTION
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 101-104-105-107
			109-111-113-118
119	DOOR 123	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
120	DOOR 122A, ROOM 122	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
121	DOOR 122B	1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
122	DOOR 124 AND 124A, ROOM 124	3	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		2	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
123	ROOM 125	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
124	DOOR 125C	1	MAGNETIC CONTACT SWITCH-OVERHEAD DOOR
125	DOOR 125B	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
126	ROOM 129	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
127	DOOR 130A	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
128	ROOM 136	3	COMBINATION MOTION DETECTOR/PASSIVE INFRARED
129	DOOR 135	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
130	DOOR 136A	1	MAGNETIC CONTACT SWITCH-PEDESTRIAN DOOR
		1	ELECTRIFIED DOOR LOCK
		1	DIGITAL CARD READER
		1	KEYPAD FOR ALARM SYSTEM
		1	DIGITAL KEYPAD DETECTIVE ZONES: 119-120-122
			125-127-129-130
131	ROOM 141	2	COMBINATION MOTION DETECTOR/PASSIVE INFRARED

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		263	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF
CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

INTRUSION ALARM AND ACCESS ZONING SCHEDULE

SHEET **EE1-53**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 01-06-23 | 11-28-23

VERSION	SHEET	OF
V2	46	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		264	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

GENERAL NOTES FOR FIRE ALARM SYSTEM PLANS:

A. Conduit and conductors system for the Fire Alarm System is not shown. See Special Provisions for requirements.

B. Location of fire alarm devices are shown arbitrary only. Exact location and number of devices must be deferred for approval by the State Fire Marshal upon submittal of shop drawings.

C. The Fire Alarm System must conform to the latest versions of California Electrical Code (CEC) Article 760 and California Fire Code (CFC) Section 105.7 and Section 907.

D. Installation of the Fire Alarm System must not start until detailed plans and specifications, including California Fire Marshal listing numbers for each component of the system, have been approved by the Engineer and the California State Fire Marshal.

E. Detectors must not be installed until the cleanup of all trades is completed and final.

F. Upon completion of the installation of the Fire Alarm System, a satisfactory test of the entire system must be made in the presence of the authority having jurisdiction.

G. Before requesting final approval of the installation, provide a written statement to the State Fire Marshal to the effect that the system has been installed in accordance with approved plans and completely tested in accordance with manufacturer's specifications and appropriate NFPA requirements.

H. Fire alarm manual pull station must be located not more than 5 feet from each exit.

I. Install adequate number of junction boxes as required, without additional cost to the State. Junction boxes must be sized as required to accommodate number of cables/conductors.

J. For exact location of Fire Water Supply Risers, see Mechanical plans.

K. Conduits in and routed thru areas with finished ceilings or furred wall shall be concealed. See the Architectural Finish schedules for the rooms with furred walls and finished ceilings.

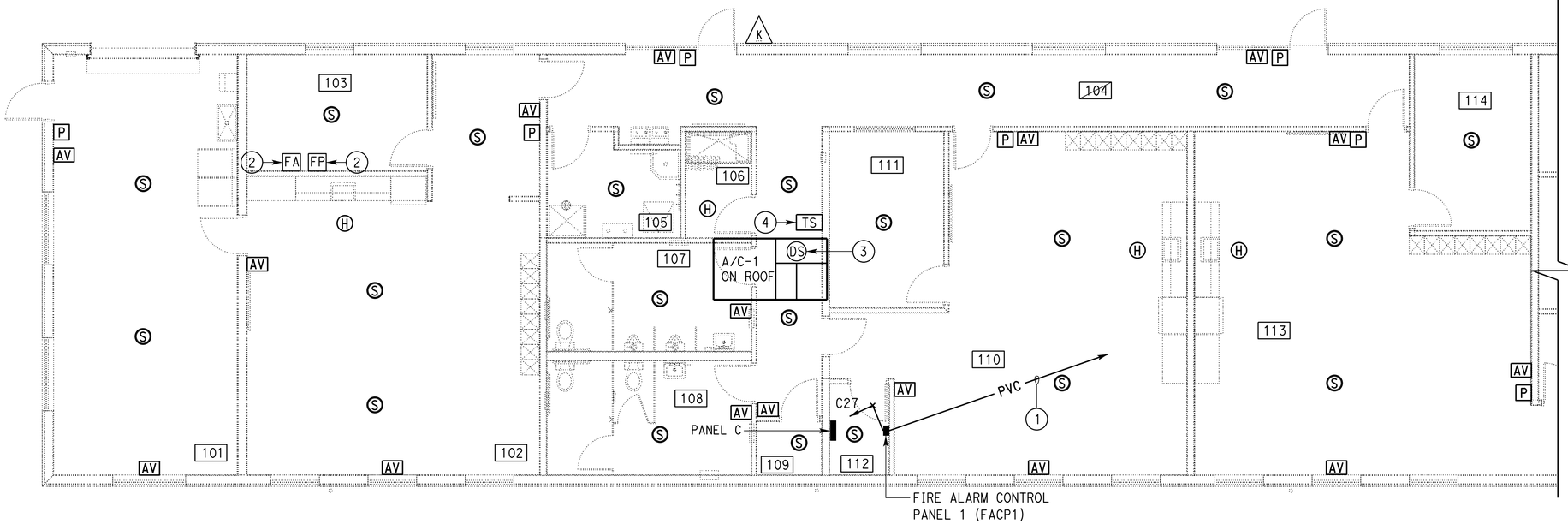
L. Provide and install required hardware for installation of devices in open ceiling areas.

LEGEND (FIRE ALARM SYSTEM PLAN SHEETS)

SYMBOL	DESCRIPTION
FA	FIRE ALARM REMOTE ANNUNCIATOR
FP	FIRE PUMP REMOTE ANNUNCIATOR
AV	AUDIO/VISUAL ALARM DEVICE
H	HEAT DETECTOR
S	SMOKE DETECTOR
B	ALARM BELL
P	MANUAL PULL STATION
SS	SUPERVISORY SWITCH
DS	DUCT SMOKE SENSOR
TS	TEST SWITCH FOR DUCT SMOKE SENSOR
K	FIRE ACCESS KEY BOX

FIRE ALARM SYSTEM TESTING MUST BE REPORTED IN THE FOLLOWING FORMAT TO THE ENGINEER:

DEVICE ADDRESS	TYPE CODE LABEL	FLASH SCAN TYPE	CUSTOM LABEL	EXTENDED LABEL	PRE-ALARM SENSITIVITY	FIRE-ALARM SENSITIVITY	COOPERATIVE DETECTOR MODE	ALARM VERIFICATION PARTICIPATION	CONTROL-BY-EVENT



FLOOR PLAN

3/16" = 1'-0"

GENERAL NOTE:

A. All fire alarm system conduits and conductors on this plan sheet must be terminated on FACP1 in room 112.

NOTES:

(1) 3"C, conductors/cables as required to main FACP in room 124. For continuation, see EE1-61

(2) Flush mounted, exact location to be determine by the Engineer in the field.

(3) A/C-1 on roof. Wire A/C-1 shut down signal between FACP1 and duct smoke detector. For exact location of A/C-1 and duct smoke detector, see mechanical plan sheets.

(4) Mount on wall near A/C-1, 3'-8" above finished floor at a location as directed by Engineer in the field.

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

FIRE ALARM SYSTEM PLAN 1

SHEET EE1-60

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-28-23	V2	47	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		265	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

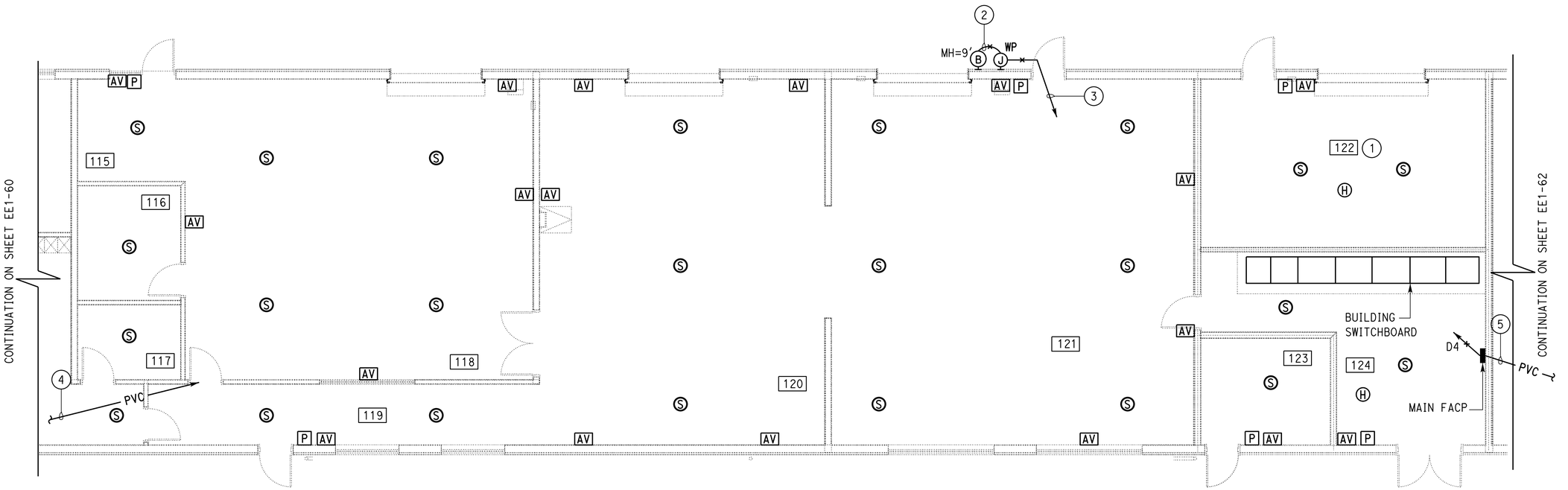
GENERAL NOTES:

A. All fire alarm system conduits and conductors on this sheet must be terminated on main FACP in room 124.

B. Panel D in located inside building switchboard.

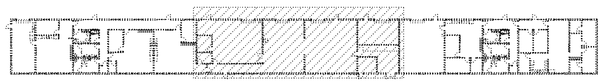
NOTE:

1. For additional equipment and devices to be connected to fire alarm system, see EE1-10.
2. 3/4"C, cable/conductors as required.
3. 3/4"C, cable/conductors as required to main FACP.
4. 3"C, conductors/cables as required from FACP1 in room 112 to main FACP in room 124.
5. 3"C, conductors/cables as required from FACP2 in room 135.



FLOOR PLAN

3/16" = 1'-0"



KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

FIRE ALARM SYSTEM PLAN 2

SHEET **EE1-61**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY): 12-03-22 | 01-06-23 | 02-25-23 | 11-27-23

VERSION	SHEET	OF
V2	48	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		266	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

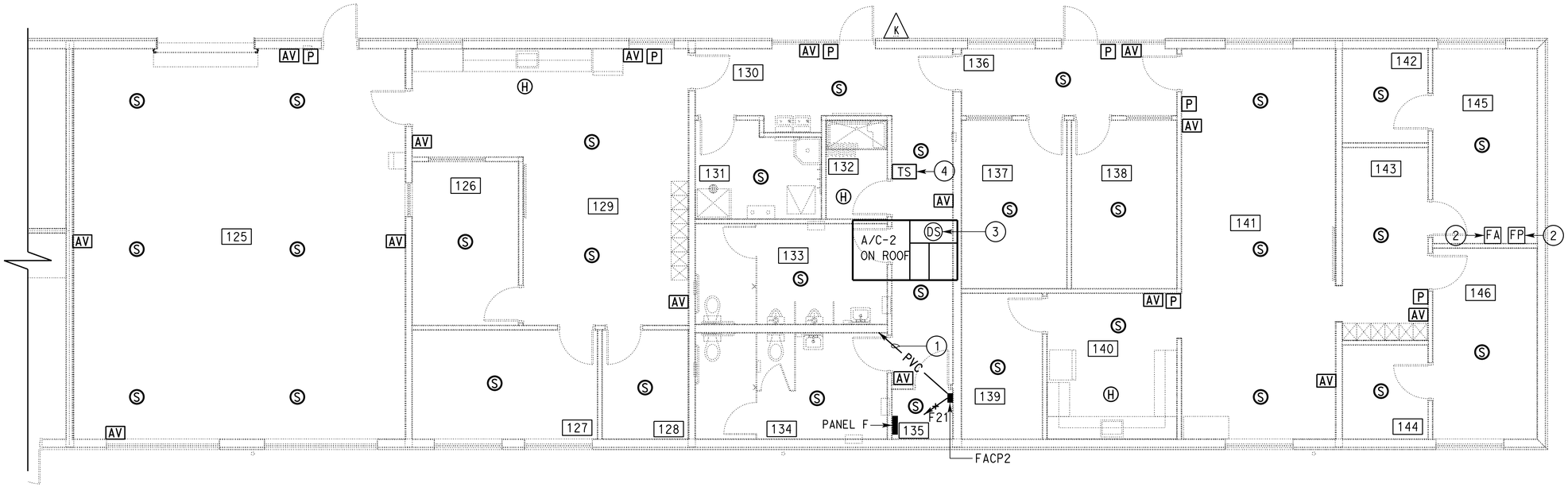
The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

GENERAL NOTE:

A. All fire alarm system conduits and conductors on this plan sheet must be terminated on FACP2 in room 135.

NOTES:

1. 3"C, conductors/cables as required to main FACP in room 124. For continuation, see EE1-61
2. Flush mounted, exact location to be determine by the Engineer in the field.
3. A/C-2 on roof. Wire A/C-2 shut down signal between FACP2 and duct smoke detector. For exact location of A/C-2 and duct smoke detector, see mechanical plan sheets.
4. Mount on wall near A/C-1, 3'-8" above finished floor at a location as directed by Engineer in the field.



FLOOR PLAN

3/16" = 1'-0"

KEY PLAN

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

IFIRE ALARM SYSTEM PLAN 3

SHEET EE1-62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES → 12-03-22 02-25-23 11-27-23

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	49	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		267	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — 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.

GENERAL NOTES FOR PHOTOVOLTAIC SYSTEM PLANS:

A. Provide approved conduit supports on top of the roof to support conduit system as shown on EE1-71 detail 4. Conduit support must be one piece and non-metallic type.

B. All exposed conduits must be galvanized rigid steel, with minimum size ¾".

C. No DC wiring except at the module connector must not be exposed.

D. Use type CGB connectors at conductor/cable terminations at junction boxes.

E. DC conduit/conductors between PV modules, optimizers and PV array combiner box are not shown.

F. Provide and install necessary warning labels/markings per Article 690 of California Electrical Code (CEC) and the State Fire Marshal's guideline for solar PV installation.

G. Install MC4 male-female rapid connectors to connect USE/USE-2 conductors and PV strings positive and negative terminals. No splicing in between the connectors and combiner box.

H. Location of all equipment and conduit systems as shown are approximate only. You must verify the exact location of all equipment and conduit systems in the field where required.

I. Solar PV installation must comply with the latest guideline from California Department of Forestry & Fire Protection, Office of the State Fire Marshal and latest Program Handbook from California Solar Initiative (CSI).

J. For PV system label signs, see EE0-73. All equipment and devices must be labeled per applicable codes.

K. Verify true north prior to installation of PV system.

L. PV mounting system structural calculations and PV electrical system calculations must be submitted for approval.

M. PV Array Circuit Combiner Box location shown are arbitrary only. Install combiner box within 5 feet of the PV array at a location that best suits the PV layout.

N. PV system module row spacing must be designed to prevent shading from adjacent module.

O. All AC/DC feeder conductors and equipment grounding conductors must be sized to meet or exceed the following:

-Total net voltage drop of the PV system from PV source to the existing Switchboard must not exceed 2%.

-Upon occurrence of any kind of fault at any point in the system, over current protective devices must trip within ½ cycle.

P. Provide PV panel and conduit mounting details for review and approval Rooftop rack-mounted PV panel systems must be tested, listed and identified with a fire classification in accordance with UL 1703 and UL 2703. The fire classification must comply with CBC Table 1505.1 based on the type of construction of the building.

Q. Provide rapid shut down signage per CFC 1204.5.1, signage location must be per CFC 1204.5.1.2.

R. PV modules installed on different slopes and/or orientation must not be part of the same string except PV modules installed on flat roof.

S. All wiring except at module interconnection must be concealed inside conduit system.

T. PV system modules structural support system must be designed to withstand wind forces of 110-mile per hour.

U. PV modules must be minimum 500 (STC) Watt, polycrystalline silicon cell type module with interconnection connectors rated for 90°C. PV modules must be UL 1703 and UL 1741 or UL 61730-1, 61730-2 listed with a maximum system voltage of 600 Vdc.

V. PV array circuit combiner box must be factory assembled, 600 Vdc rated combiner box with fuse for all PV input circuits, two isolated dc bus bars, ground bus bar, all enclosed inside NEMA 3R lockable hinged cover enclosure. the combiner box must be UL 1741 listed.

PV array circuit combiner box must have the following components:
-Din rail mounted touch safe fuse holders with fuse rated for 600 Vdc
-Positive dc bus bar, negative dc bus bar and ground bus bar
-Din rail mounted grid-tie surge arrestor. the surge arrestor must be rated to withstand 40 kA (8/20 micro second) induced transient surge type and compatible to use with grounded PV arrays
-Plastic shield guards to enclose dc buses from all sides
-Rapid shutdown must be UL 1741 Or 3741 listed

W. For PV inverter/ESS cabinet location, characteristics and details, see details 1, 2 and 3 on EE1-71.

APPLICABLE CODES
LATEST VERSION OF CALIFORNIA BUILDING CODE (CBC) TITLE 24, PART 2 CCR
LATEST VERSION OF CALIFORNIA ELECTRICAL CODE (CEC) TITLE 24, PART 3 CCR
LATEST VERSION OF CALIFORNIA FIRE CODE (CFC) TITLE 24, PART 9 CCR

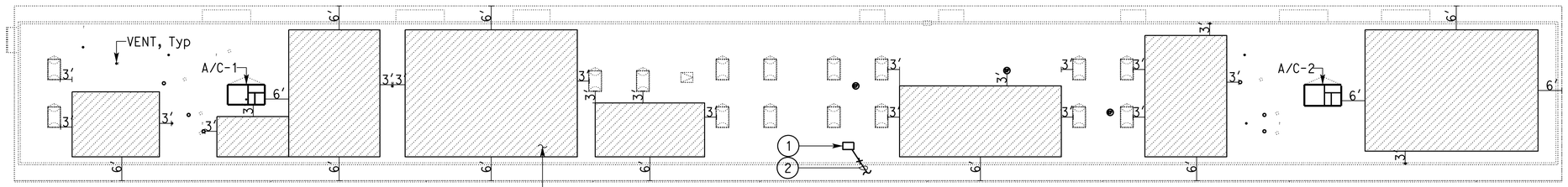
GENERAL NOTE:

A. For exact locations of A/C-1, A/C-2, vent through roofs (VTR) and exhaust/supply fans see mechanical plan sheets.

NOTES:

(1) Combiner box with rapid power shutdown feature. If power optimizers (with rapid power shutdown feature) are used for the PV array, the combiner box may be one without rapid power shutdown.

(2) 3"C, conductors as required to DC disconnect switch outside the wall of room 124. For continuation, see EE1-71.



AVALABLE SPACE FOR PV PANELS TO BE INSTALLED IN HATCHED AREA, TYPICAL(APPROXIMATE TOTAL AREA IS 6000 SQUARE FEET)

ROOF PLAN

1/16" = 1'-0"

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725	WEST AVE. MAINTENANCE STATION UPGRADE	SHEET EE1-70
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE	PHOTOVOLTAIC SYSTEM ROOF PLAN	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli					

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-27-23	V2	50	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		268	289

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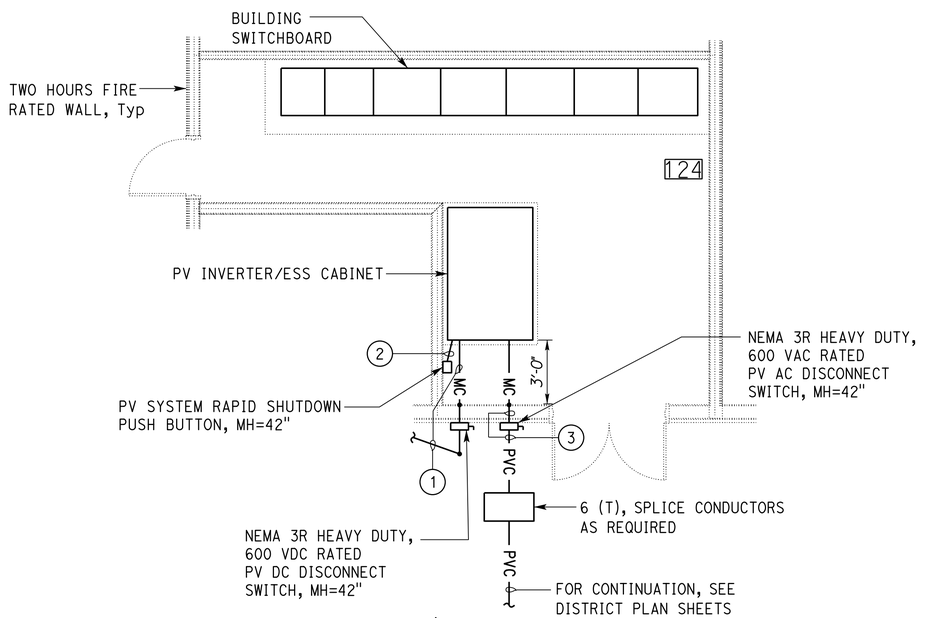
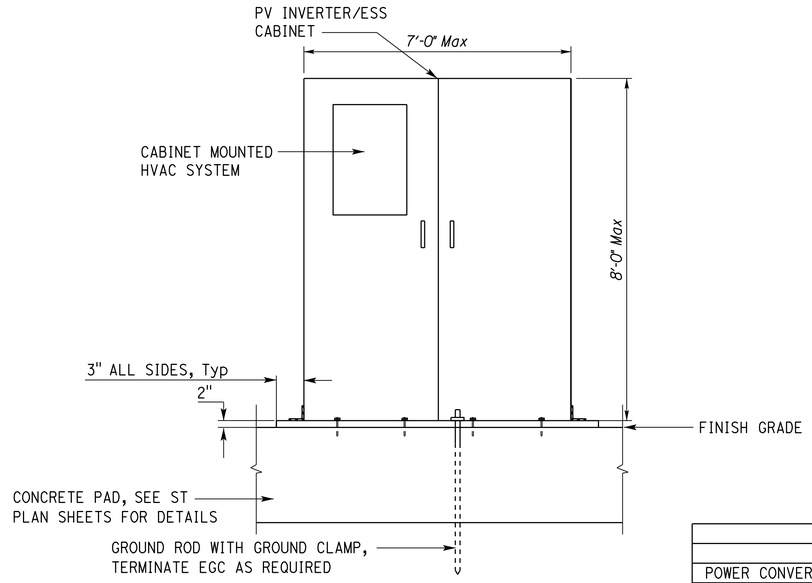
NOTES:

1. 3"C, conductors as required.
2. 1"C, conductors as required.
3. 3"C, 4#350 KCMIL, 1#350 KCMIL G.



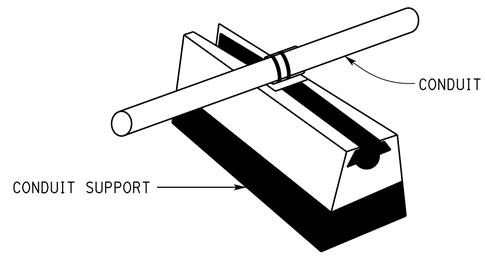
1 FLOOR PLAN

1/4" = 1'-0"



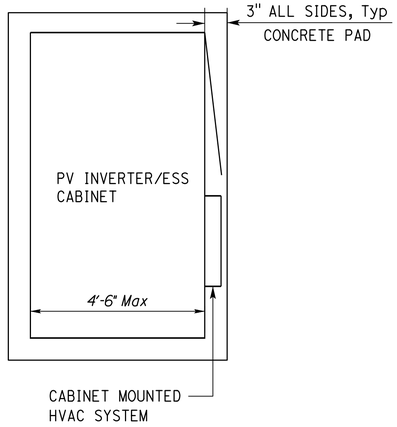
2 FRONT VIEW ELEVATION

NO SCALE



4 ROOF MOUNTED CONDUIT SUPPORT DETAIL

NO SCALE



3 PLAN VIEW

NO SCALE

PV INVERTER/ESS TECHNICAL SPECIFICATIONS	
AC CHARACTERISTICS	
POWER CONVERSION SYSTEM (PCS) RATING	90 kW
AC RATED CURRENT/WIRING CONFIGURATION	480 VAC/3-PHASE, 4-WIRE
AC RATED CURRENT/OCPD	108 A/150 A
FREQUENCY/EFFICIENCY	60 Hz/> 97%
DC CHARACTERISTICS	
BATTERY TYPE/MAX PACK NOMINAL ENERGY	LITHIUM IRON PHOSPHATE/20 kWh
TOTAL BATTERY CAPACITY/ESS TIME OF USE	135 kWh/YES
BATTERY CYCLE LIFE RATED UP TO 90% DOD	6000 R/T CYCLES AT 90% DOD @ 70% RETENTION
BATTERY MANAGEMENT SYSTEM (BMS)	YES, OVER/UNDER CHARGE, OVER/UNDER TEMP
BMS INTERFACE	RS485 VIA SERIAL, ETHERNET VIA CAT5/6
BMS PROTOCOL	MODBUS RTU, MODBUS TCP
GRID TIED PV INVERTER CHARACTERISTICS	
PV INVERTER INPUT POWER/TYPE	90 kW/BI-DIRECTIONAL PCS
AC VOLTAGE/AC CURRENT/DC MAXIMUM CURRENT	480 V/108 A/270 A
PV INPUT VOLTAGE RANGE	200-830 VDC
MAXIMUM POWER POINT TRACKING (MPPT)	YES
STRINGS/CURRENT RATING PER MPPT	AS REQUIRED
PROTECTION	OVERCURRENT, OVERLOAD, SHORT CIRCUIT, ANTI ISLANDING, FAN/RELAY FAILURE
GENERAL CHARACTERISTICS	
MAXIMUM DIMENSION (W x D x H)	7' x 4'-6" x 8'
MAXIMUM CABINET WEIGHT	9,000 LBS
CABINET RATING	NEMA 3R/IP54
OPERATION TEMPERATURE RANGE	5°F TO 122°F
RELATIVE HUMIDITY	0-80% NON CONDENSING
NOISE LEVEL	60 db
THERMAL MANAGEMENT SYSTEM	HAVC (FORCED AIR)
SAFETY AND STANDARDS	
CERTIFICATES	UL1741, UL1703, UL1793, UL9540, UL9540a
FIRE PROTECTION	YES (FM200 OR 3M NOVEC)
RSD/ESS SHUTDOWN	YES
CALFORNIA FIRE CODES (CFC)	1206.1 TO 1206.9
MAINTENANCE	
MANUFACTURER MAINTENANCE PLAN	10 YEAR

1 PV INVERTER/ESS CHARACTERISTICS

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	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PHOTOVOLTAIC SYSTEM ENLARGED PLAN

SHEET EE1-71

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-27-23	V2	51	62

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		269	289

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Javid Amirazodi
No. E 17509
Exp.06-30-25
ELEC
STATE OF CALIFORNIA

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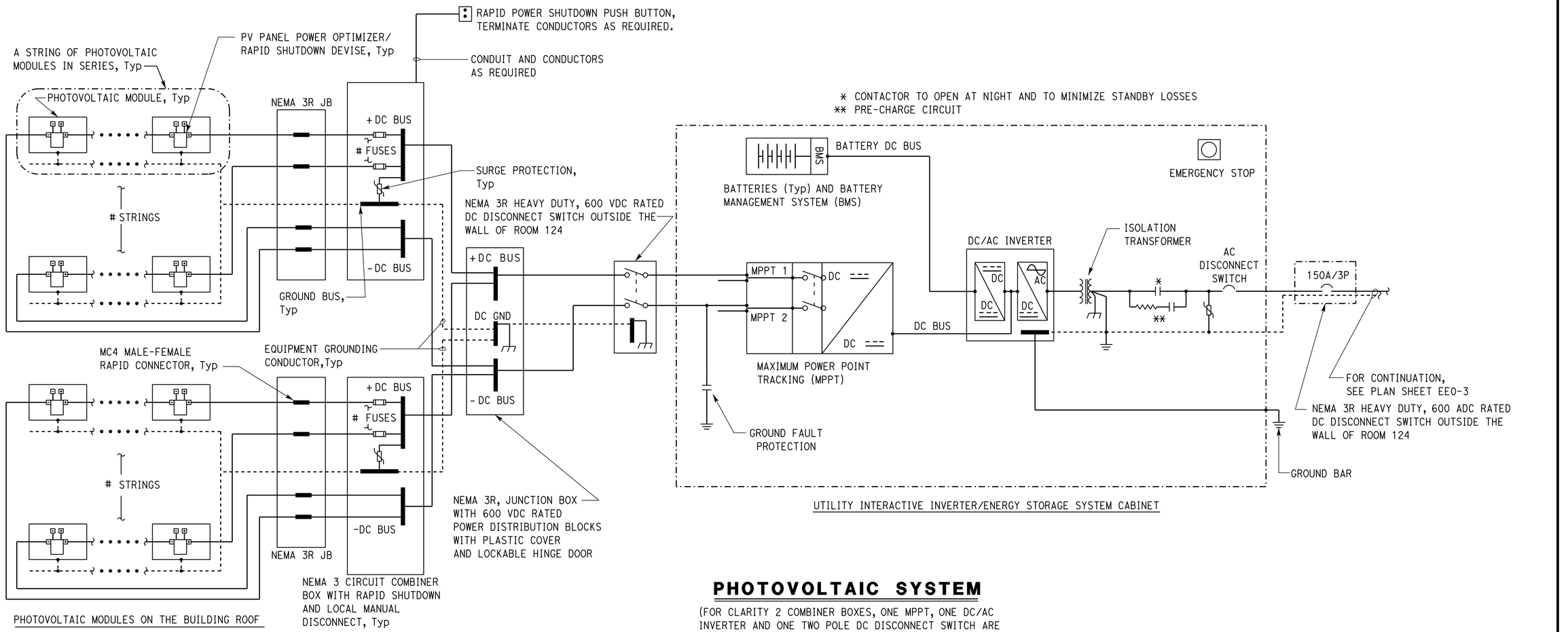
GENERAL NOTE:

A. Provide and install all required warning signs per applicable codes.



PHOTOVOLTAIC SYSTEM

(FOR CLARITY 2 COMBINER BOXES, ONE MPPT, ONE DC/AC INVERTER AND ONE TWO POLE DC DISCONNECT SWITCH ARE SHOWN, INSTALL AS MANY AS REQUIRED)

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PHOTOVOLTAIC SYSTEM SINGLE LINE DIAGRAM

SHEET EE1-72

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

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REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-27-23	V2	52	62

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06	Fre	5725		270	289

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WARNING
ELECTRIC SHOCK HAZARD.
DO NOT TOUCH TERMINALS.
TERMINALS ON BOTH LINE AND LOAD
SIDES MAY BE ENERGIZED IN THE
OPEN POSITION

RED SIGNAGE WITH
WHITE 3/8" LETTERS

1 PHOTOVOLTAIC SIGN 1

NO SCALE

WARNING
ELECTRIC SHOCK HAZARD.
IF A GROUND FAULT IS INDICATED,
NORMALLY GROUNDED CONDUCTORS
MAY BE UNGROUNDED AND ENERGIZED.

RED SIGNAGE WITH
WHITE 3/8" LETTERS

2 PHOTOVOLTAIC SIGN 2

NO SCALE

COMBINER BOX A STRINGS X - Y **	
DC OPERATING CURRENT	** A
DC OPERATING VOLTAGE	** VDC
DC MAXIMUM SYSTEM VOLTAGE	** VDC
DC SHORT CIRCUIT CURRENT	** A

YELLOW SIGNAGE WITH WHITE 3/8" AND 1/4" LETTERS. LABEL WITH COMBINER BOX VALUES ** FROM SUBMITTED SYSTEM DESIGN. EACH BOX MUST HAVE COMBINER BOX LETTER AND CORRECT STRINGS INDICATED.

3 PHOTOVOLTAIC SIGN 3

NO SCALE

GENERAL NOTES:

A. All warning signs must be phenolic nameplates.

B. Provide additional warning signs per applicable codes.

INVERTER

BLACK SIGNAGE WITH
WHITE 1/2" LETTERS

4 PHOTOVOLTAIC SIGN 4

NO SCALE

DC CURRENT PHOTOVOLTAIC POWER SOURCE RATINGS	
MAX. POWER-POINT CURRENT	** A
MAX. POWER-POINT VOLTAGE	** VDC
MAX. SYSTEM VOLTAGE	** VDC
SHORT CIRCUIT CURRENT	** A

YELLOW SIGNAGE WITH WHITE 3/8" AND 1/4" LETTERS. LABEL WITH INVERTER VALUES ** FROM SUBMITTED SYSTEM DESIGN.

5 PHOTOVOLTAIC SIGN 5

NO SCALE

PHOTOVOLTAIC
POWER SOURCE

RED SIGNAGE WITH
WHITE 3/8" LETTERS

6 PHOTOVOLTAIC SIGN 6

NO SCALE

PHOTOVOLTAIC
SYSTEM DISCONNECT

RED SIGNAGE WITH
WHITE 3/8" LETTERS

7 PHOTOVOLTAIC SIGN 7

NO SCALE

WARNING
ELECTRIC SHOCK HAZARD. THE DC
CONDUCTORS OF THIS PHOTOVOLTAIC SYSTEM
ARE UNGROUNDED AND MAY BE ENERGIZED.

RED SIGNAGE WITH
WHITE 3/8" LETTERS

8 PHOTOVOLTAIC SIGN 8

NO SCALE

PHOTOVOLTAIC SYSTEM
EQUIPPED WITH
RAPID SHUT DOWN SWITCH
NEAR INVERTER

RED SIGNAGE WITH
WHITE 3/8" LETTERS

9 PHOTOVOLTAIC SIGN 9

NO SCALE

PHOTOVOLTAIC SYSTEM
RAPID SHUT SWITCH

RED SIGNAGE WITH
WHITE 3/8" LETTERS

10 PHOTOVOLTAIC SIGN 10

NO SCALE

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PHOTOVOLTAIC SYSTEM LABEL SIGNS

SHEET EE1-73

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
12-03-22	01-06-23	11-22-23					V2	53	62

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GENERAL NOTE:

A. Homeruns to panelboards must be as installed and shown on the plans. Homeruns must not be combined.

MAIN: 200 AMPERE, MAIN LUGS
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL A

FEEDER SIZE: 4#4/0, 1#4/0G
LOCATION: BUILDING SWITCHBOARD IN ROOM 124

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
FLATBED CUTTER-118	30			B 40/3	1		2	B 20/3	7.2			WELDING EXHAUST FAN 2-125
		30			3		4			7.2		
			30		5		6				7.2	
WELDING EXHAUST FAN 1-121	4.6			B 20/3	7		8	B 20/1	0.8			LAMINATOR ROYAL-118
		4.6			9		10	B 20/2		8.8		BAND SAW-125
			4.6		11		12				8.8	
SPARE	-			20/1	13		14	B 50/2	38			PLASMA CUTTER-125
TABLE SAW-125		14.5		B 20/2	15		16			38		
			14.5		17		18	B 60/2			48	WELDER-125
SPARE	-			20/1	19		20		48			
SIGN PRINTER-118		30		B 40/2	21		22	B 20/1		7.2		ROOF EXHAUST FAN 1-121
LAMINATOR-118			15	B 20/1	23		24	B 20/1			7.2	ROOF EXHAUST FAN 2-125
SPARE	-			20/1	25		26	20/1	-			SPARE
SPARE		-		20/2	27		28	20/2		-		SPARE
			-		29		30				-	
SPARE	-			20/1	31		32	20/1	-			SPARE
SPACE		-		-	33		34	-		-		SPACE
SPACE			-	-	35		36	-			-	SPACE
SPACE	-			-	37		38	-	-			SPACE
SPACE		-		-	39		40	-		-		SPACE
SPACE			-	-	41		42	-			-	SPACE

A	B	C	
128.6	140.3	135.3	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

MAIN: 250 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL B

FEEDER SIZE: 3"C, 4#350 KCMIL, 1#350 KCMIL G
LOCATION: ROOM 112

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
REFREGERATOR-110	6			20/1	1		2	20/1	13.5			RECEPT-102
RECEPT-103		4.5		20/1	3		4	20/1		10.5		CONTROLLED RECEPT-102
CONTROLLED RECEPT-103			4.5	20/1	5		6	20/1			15	RECEPT-104, 105, 107, 108
MICROWAVE-102	6			20/1	7		8	20/1	3			FLOOR RECEPT-102
GARBAGE DISPOSAL-102		6		20/1	9		10 A	20/1		10.5		RECEPT-101
REFREGERATOR-102			6	20/1	11		12	20/1			4.5	RECEPT-111
RECEPT-109, 112	12			20/1	13		14	20/1	4.5			CONTROLLED RECEPT-111
FLOOR RECEPT-110, 113		6		20/1	15		16	20/1		10.5		RECEPT-113
RECEPT-110			13.5	20/1	17		18	20/1			10.5	CONTROLLED RECEPT-113
CONTROLLED RECEPT-110	9			20/1	19		20	20/1	4.5			CONTROLLED RECEPT-114
RECEPT-114		4.5		20/1	21		22	20/1		6		GARBAGE DISPOSAL-110
GARBAGE DISPOSAL-113			6	20/1	23		24	20/1			6	MICROWAVE-110
MICROWAVE-113	6			20/1	25		26	20/1	-			SPARE
REFREGERATOR-113		6		20/1	27		28	20/1		-		SPARE
EXISTING SURVEY PANEL			6	20/1	29		30	20/1			-	SPARE
SPACE	-			-	31		32	20/2	-			SPARE
SPACE		-		-	33		34			-		
SPACE			-	-	35		36	-			-	SPACE
PANEL C	89.0			125/3	37		38	-	-			SPACE
		100.0			39		40	-		-		SPACE
			82.5		41		42	-			-	SPACE

A	B	C	
153.5	164.5	153.5	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

A: GFCI TYPE CIRCUIT BREAKER WITH 5 MILLIAMPERE GROUND FAULT PROTECTION.
B: CIRCUIT BREAKER MUST BE EQUIPPED WITH PADLOCKING PROVISIONS IN OFF POSITION.
C: SIZE PER MANUFACTURER RECOMMENDATION.
D: CIRCUIT BREAKER MUST BE LOCKABLE WITH RED COLORED HANDEL AND IDENTIFY AS "FIRE ALARM CIRCUIT".

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
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STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD SCHEDULE 1

SHEET EE1-80

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
12-02-22	01-06-23	02-25-23	11-27-23			V2	54	62

TAEMWW Imperial - CCSC Rev. 12/20

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7-JUL-2025 17:05

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		272	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 ELEC — 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.

GENERAL NOTE:

A. Homeruns to panelboards must be as installed and shown on the plans. Homeruns must not be combined.

MAIN: 125 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIIRE

PANEL C

FEEDER SIZE: 2"C, 4#1, 1#1G
LOCATION: ROOM 112

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
LIGHTS-101,102,103	8			20/1	1		2	30/1	25			HEAT/VENT/LIGHT-106
EXHAUST FAN 1-105		1		20/1 B	3		4	20/1		5		LIGHTS-110,111
GRINDER-101			3.5	20/1 B	5		6	20/1			6	LIGHTS-113,114
ICE MAKER-105	10			20/2	7		8	20/1	5			GAS WATER HEATER 1-105
		10			9		10	20/1 B		2		EXHAUST FANS 4,5-108
WASHER-101			15	20/1	11		12	20/1			1	A/C 1 CONTROLS (CCP1 & VAV'S)
DRYER-101	30			40/2	13		14	20/1	2			INTRUSION CONTROL PANEL-112
		30			15		16	40/2 B		28		WELDER-101
LIGHTS-104,105,107,108,109,112			5	20/1	17		18				28	
OVERHEAD DOOR-101	6			20/3 B	19		20	20/2	-			SPARE
		6			21		22			-		
			6		23		24	20/1 B			2	EXHAUST FANS 2,3-107
ACCESS CONTROL PANEL-112	2			20/1 D	25		26	20/1	1			EMERGENCY LIGHTS
FIRE ALARM CONTROL PANEL 1-112		2		20/1 D	27		28	20/1		16		HAND DRYER-107
SPARE			-	20/1	29		30	20/1			16	HAND DRYER-108

A	B	C	
89.0	100.0	82.5	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

MAIN: 125 AMPERE, MAIN LUGS
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL D

FEEDER SIZE: 4#1, 1#1G
LOCATION: BUILDING SWITCHBOARD IN ROOM 124

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
RECEPT-121 (NORTH)	6			20/1 A	1		2	20/1 A	7.5			RECEPT-118 (SOUTH, EAST)
RECEPT-115,116,117,119		15		20/1 A	3		4	20/1 D		2		MAIN FIRE ALARM CONTROL PANEL-124
RECEPT-120 (SOUTHEAST)			6	20/1 A	5		6	20/1 A			7.5	RECEPT-118 (NORTH)
RECEPT-121 (SOUTH, EAST, WEST)	9			20/1 A	7		8	20/1 A	12			RECEPT-124 (NORTH, EAST)
RECEPT-124 (SOUTH, EAST, WEST)		12		20/1 A	9		10	20/1		12		EXTERIOR LIGHTS CONTROL PANEL
RECEPT-123			12	20/1	11		12	20/1 A			7.5	RECEPT-120 (WEST, EAST, NORTH)
LIGHTS-115,116,117,118,119	7			20/1	13		14	20/1	1			ACCESS CONTROL PANEL-112
INTRUSION CONTROL PANEL-124		2		20/1	15		16	20/1		12		LIGHTS-120,121
RECEPT-122			10.5	20/1 A	17		18	20/1			6	LIGHTS-122,123,124
LIGHTING CONTROL HUBS 1 TO 8	1			20/1	19		20	20/1	1			EMERGENCY LIGHTS
SPARE		-		20/1	21		22	20/1		-		SPARE
SPARE			-	20/2	23		24	20/1			-	SPARE
	-				25		26		-			
SPACE		-		-	27		28	-		-		SPACE
SPACE			-	-	29		30	-			-	SPACE

A	B	C	
44.5	55.0	49.5	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

A: GFCI TYPE CIRCUIT BREAKER WITH 5 MILLIAMPERE GROUND FAULT PROTECTION.
B: CIRCUIT BREAKER MUST BE EQUIPPED WITH PADLOCKING PROVISIONS IN OFF POSITION.
C: SIZE PER MANUFACTURER RECOMMENDATION.
D: CIRCUIT BREAKER MUST BE LOCKABLE WITH RED COLORED HANDEL AND IDENTIFY AS "FIRE ALARM CIRCUIT".

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD SCHEDULE 2

SHEET EE1-81

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-27-23	V2	55	62

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7-JUL-2025 17:05

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		273	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
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.

GENERAL NOTE:

A. Homeruns to panelboards must be as installed and shown on the plans. Homeruns must not be combined.

MAIN: 250 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL E

FEEDER SIZE: 3"C, 4#350 KCMIL, 1#350 KCMIL G
LOCATION: ROOM 135

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
FLOOR RECEPT-129	3			20/1	1	2	20/1	9			RECEPT-125 (NORTH, WEST)
RECEPT-125 (SOUTH, EAST)		9		20/1	3	4	20/1		4.5		RECEPT-126
CONTROLLED RECEPT 126			4.5	20/1	5	6	20/1			7.5	RECEPT-127, 128
CONTROLLED RECEPT-127	4.5			20/1	7	8	20/1	6			CONTROLLED RECEPT-145
RECEPT-129		9		20/1	9	10	20/1		4.5		CONTROLLED RECEPT-129
MICROVAWE-129			6	20/1	11	12	20/1			6	GARBAGE DISPOSAL-129
REFRIGERATOR-129	6			20/1	13	14	20/1	12			RECEPT-130, 131, 133, 134
RECEPT-135, 139		9		20/1	15	16	20/1		12		RECEPT-136, 137, 138
CONTROLLED RECEPT-137			4.5	20/1	17	18	20/1			6	REFREGERATOR-140
RECEPT-145, 146	12			20/1	19	20	20/1	6			GARBAGE DISPOSAL-140
RECEPT-140		3		20/1	21	22	20/1		3		CONTROLLED RECEPT-140
RECEPT-141			12	20/1	23	24	20/1			9	CONTROLLED RECEPT-141
RECEPT-142, 143, 144	10.5			20/1	25	26	20/1	4.5			CONTROLLED RECEPT-143
MICROWAVE-140		6		20/1	27	28	20/1		6		CONTROLLED RECEPT-146
CONTROLLED RECEPR-138			4.5	20/1	29	30	20/1			-	SPARE
SPARE	-			20/1	31	32	20/1	-			SPARE
SPARE		-		20/1	33	34	20/1		-		SPARE
SPARE			-	20/1	35	36	20/2			-	SPARE
PANEL F	49			125/3	37	38		-			
		28			39	40	20/2		-		SPARE
			43		41	42				-	

A	B	C	
122.5	94.0	103.0	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

MAIN: 125 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIIRE

PANEL F

FEEDER SIZE: 2"C, 4#1, 1#1G
LOCATION: ROOM 135

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
EXHAUST FAN 6-131	1			20/1 B	1	2	30/1	25			HEAT/VENT/LIGHT-132
LIGHTS-140,141,142,143,144,145,146		8		20/1	3	4	20/1		6		LIGHTS-130,131,133,134,135,136, 137,138,139
GAS WATER HEATER 2-131			5	20/1 B	5	6	20/1			12	LIGHTS-125,126,127,128,129
EXHAUST FANS 9,10-134	2			20/1 B	7	8	20/1	1			A/C 2 CONTROLS (CCP2 & VAV'S)
EXHAUST FANS 7,8-133		2		20/1	9	10	20/2		10		ICE MAKER-131
HAND DRYER-134			16	20/1	11	12				10	
HAND DRYER-133	16			20/1	13	14	20/1	2			INTRUSION CONTROL PANEL-135
SPARE		-		20/2	15	16	20/2		-		SPARE
			-		17	18				-	
ACCESS CONTROL PANEL-135	2			20/1	19	20	20/1	-			SPARE
FIRE ALARM CONTROL PANEL 2-135		2		20/1 D	21	22	20/1		-		SPARE
SPARE			-	20/1	23	24	20/1			-	SPARE
SPACE	-			-	25	26	-	-			SPACE
SPACE		-		-	27	28	-		-		SPACE
SPACE			-	-	29	30	-			--	SPACE

A	B	C	
49.0	28.0	43.0	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

A: GFCI TYPE CIRCUIT BREAKER WITH 5 MILLIAMPERE GROUND FAULT PROTECTION.
B: CIRCUIT BREAKER MUST BE EQUIPPED WITH PADLOCKING PROVISIONS IN OFF POSITION.
C: SIZE PER MANUFACTURER RECOMMENDATION.
D: CIRCUIT BREAKER MUST BE LOCKABLE WITH RED COLORED HANDEL AND IDENTIFY AS "FIRE ALARM CIRCUIT".

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD SCHEDULE 3

SHEET EE1-82

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-22-23	V2	56	62

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7-JUL-2025 17:06

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		274	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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GENERAL NOTE:

A. Homeruns to panelboards must be as installed and shown on the plans. Homeruns must not be combined.

MAIN: 400 AMPERE, MAIN LUGS
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIIRE

PANEL G

FEEDER SIZE: TWO SETS OF 4#4/0, 1#4/0G
LOCATION: BUILDING SWITCHBOARD IN ROOM 124

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
HP-1 OUTDOOR UNIT	25			B,C -/2	1		2	B,C -/2	49			HP-2 OUTDOOR UNIT
		25			3		4			49		
HP-3 OUTDOOR UNIT			49	B,C -/2	5		6	B,C -/2			13	HP-4 OUTDOOR UNIT
	49				7		8		13			
HP-5 OUTDOOR UNIT		49		B,C -/2	9		10	B 20/3		12		OVERHEAD DOOR-118,120
			49		11		12				12	
A/C UNIT 1	30			B,C -/3	13		14		12			
		30			15		16	20/1		-		SPARE
			30		17		18	20/1			-	SPARE
A/C UNIT 2	30			B,C -/3	19		20	B 20/3	12			OVERHEAD DOOR-121,125
		30			21		22			12		
			30		23		24				12	
AIR COMPRESSOR-1	25			B,C -/3	25		26	B,C -/3	25			AIR COMPRESSOR-2
		25			27		28			25		
			25		29		30				25	
SPARE	-			30/3	31		32	20/1	-			SPARE
		-			33		34	20/1		-		SPARE
			-		35		36	20/1			-	SPARE
PANEL H	6			60/3	37		38	20/1	-			SPARE
		6			39		40	20/2		-		SPARE
			6		41		42				-	

A	B	C	
276.0	263.0	251.0	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

MAIN: 60 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL H

FEEDER SIZE: 2"C, 4#4, 1#4G
LOCATION: ROOM 122

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
OVERHEAD DOOR-122	6			B 20/3	1		2	15/2	-			SPARE
		6			3		4			-		
			6		5		6	20/2			-	SPARE
SPARE	-			20/1	7		8		-			
SPARE		-		15/2	9		10	20/1		-		SPARE
			-		11		12	20/1			-	SPARE
SPARE	-			20/1	13		14	20/1	-			SPARE
SPARE		-		20/1	15		16	20/1		-		SPARE
SPACE			-	20/2	17		18	20/2			-	SPARE
	-				19		20		-			

A	B	C	
6.0	6.0	6.0	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

A: GFCI TYPE CIRCUIT BREAKER WITH 5 MILLIAMPERE GROUND FAULT PROTECTION.
B: CIRCUIT BREAKER MUST BE EQUIPPED WITH PADLOCKING PROVISIONS IN OFF POSITION.
C: SIZE PER MANUFACTURER RECOMMENDATION.
D: CIRCUIT BREAKER MUST BE LOCKABLE WITH RED COLORED HANDEL AND IDENTIFY AS "FIRE ALARM CIRCUIT".

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	UNIT: 3597 CONTRACT No.: 06-0X4304 PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725 | POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD SCHEDULE 4

SHEET EE1-83

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-22-23	V2	57	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		275	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp.06-30-25 ELEC — STATE OF CALIFORNIA

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GENERAL NOTE:

A. Homeruns to panelboards must be as installed and shown on the plans. Homeruns must not be combined.

MAIN: 250 AMPERE, MAIN LUGS
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

PANEL K

FEEDER SIZE: 4#4/0, 1#4/0G
LOCATION: BUILDING SWITCHBOARD IN ROOM 124

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
EVSE1-PORT 1	30			B 40/2	1		2	B 40/2	-			SPARE
		30			3		4			-		
EVSE2-PORT 1			30	B 40/2	5		6	B 40/2			-	SPARE
	30				7		8		-			
EVSE2-PORT 2		30		B 40/2	9		10	B 40/2		-		SPARE
			30		11		12				-	
SPARE	-			B 40/2	13		14	B 40/2	-			SPARE
		-			15		16			-		
SPACE			-	-	17		18	-			-	SPACE
SPACE	-			-	19		20	-	-			SPACE

A	B	C	
60	60	60	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

MAIN: 1200 AMPERE, 3 POLE CB
VOLTS: 208/120 VOLT, 3 PHASE, 4 WIRE

BUILDING SWITCHBOARD

FEEDER SIZE: THREE SETS OF 4"C, 4#500 KCMIL, 1#500 KCMIL G
LOCATION: BULDING SWITCHBOARD IN ROOM 124

DESCRIPTION	AMPERES A	AMPERES B	AMPERES C	Brk	Ckt	A B C	Ckt	Brk	AMPERES A	AMPERES B	AMPERES C	DESCRIPTION
PANEL A	128.6			B 200/3	1		2	B 250/3	153.5			PANEL B
		140.3			3		4			164.5		
			135.3		5		6				153.5	
PANEL D	44.5			B 125/3	7		8	B 250/3	122.5			PANEL E
		55.0			9		10			94.0		
			49.5		11		12				103.0	
PANEL G	276.0			B 400/3	13		14	B 250/3	60.0			PANEL K
		263.0			15		16			60.0		
			251.0		17		18				60.0	
SEWAGE LIFT STATION CONTROL PANEL	50.0			B 70/2	19		20	B 100/3	-			SPARE
		50.0			21		22			-		
SPACE			-	-	23		24				-	
SPACE	-			-	25		26	-	-			SPACE
SPACE		-		-	27		28	-		-		SPACE
SPACE			-	-	29		30	-			-	SPACE

A	B	C	
835.1	826.8	746.3	TOTAL CONNECTED LOAD (AMPERES PER PHASE)

A: GFCI TYPE CIRCUIT BREAKER WITH 5 MILLIAMPERE GROUND FAULT PROTECTION.
B: CIRCUIT BREAKER MUST BE EQUIPPED WITH PADLOCKING PROVISIONS IN OFF POSITION.
C: SIZE PER MANUFACTURER RECOMMENDATION.
D: CIRCUIT BREAKER MUST BE LOCKABLE WITH RED COLORED HANDEL AND IDENTIFY AS "FIRE ALARM CIRCUIT".

APPROVED FOR ELECTRICAL WORK ONLY

	BY	CHECKED
DESIGN	Javid Amirazodi	Farshad Tavatli
DETAILS	Yutch Cowhie/ Shiva Ahmadpour	Javid Amirazodi
QUANTITIES	Javid Amirazodi	Farshad Tavatli

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PANELBOARD SCHEDULE 5

SHEET EE1-84

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
12-03-22	01-06-23	02-25-23	11-22-23			V2	58	62

7-JUL-2025 17:06

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		276	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp. 06-30-25
ELEC
STATE OF CALIFORNIA

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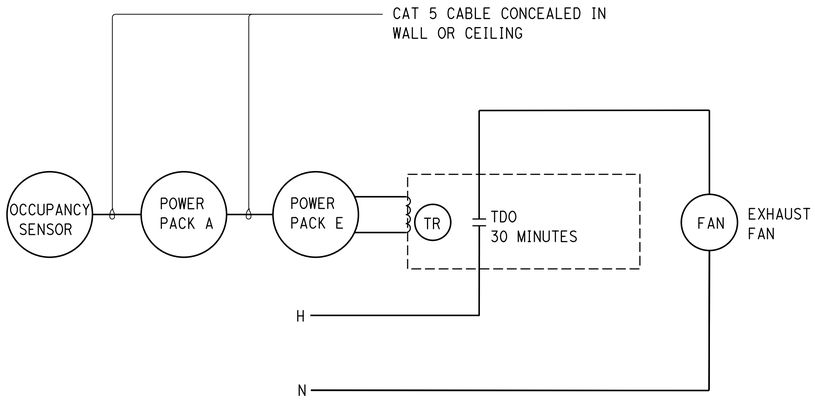
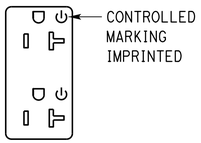
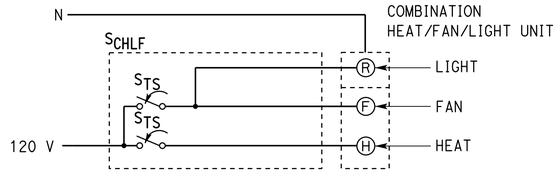


1 EXHAUST FAN/SENSOR WIRING DIAGRAM

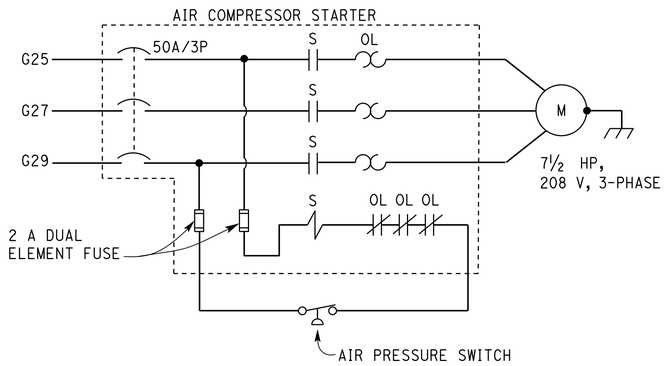


2 CONTROLLED RECEPTACLE FACEPLATE DETAIL

NO SCALE



3 COMBINATION HEAT/VENT/LIGHT SWITCH



4 AIR COMPRESSOR-1 SCHEMATIC DIAGRAM

* AIR COMPRESSOR-2 IS SIMILAR.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS 1

SHEET EE1-90

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
12-03-22	01-06-23	02-25-23	11-22-23				V2	59	62

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7-JUL-2025 17:06

Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		277	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Javid Amirazodi — No. E 17509 — Exp. 06-30-25 — ELEC — STATE OF CALIFORNIA

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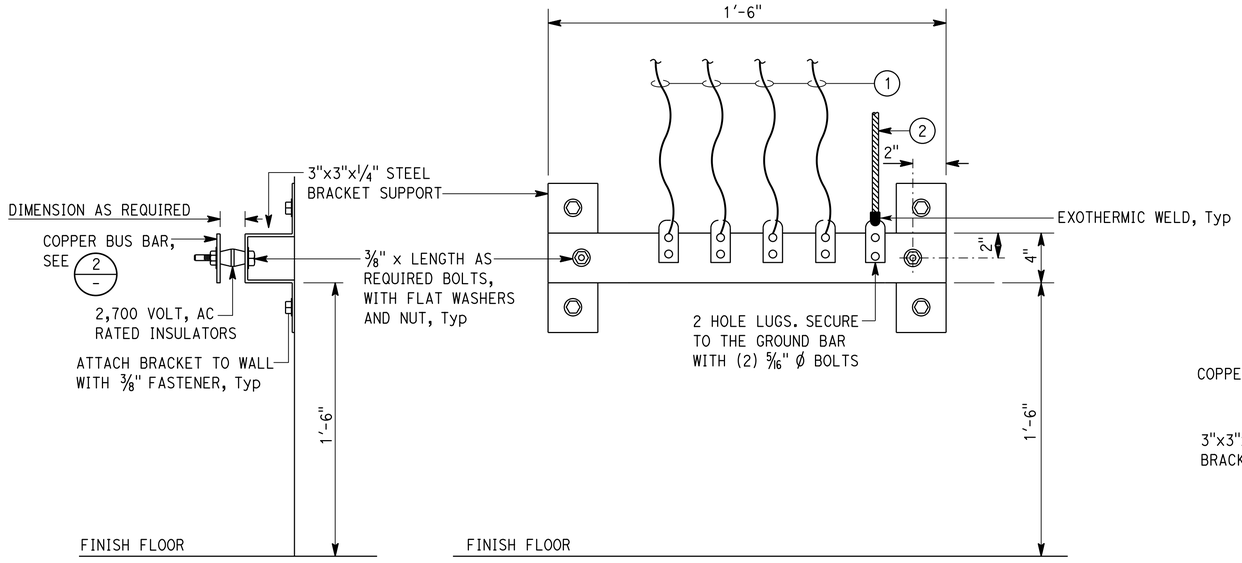
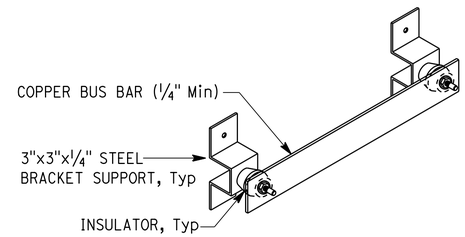


SIDE VIEW **FRONT VIEW**

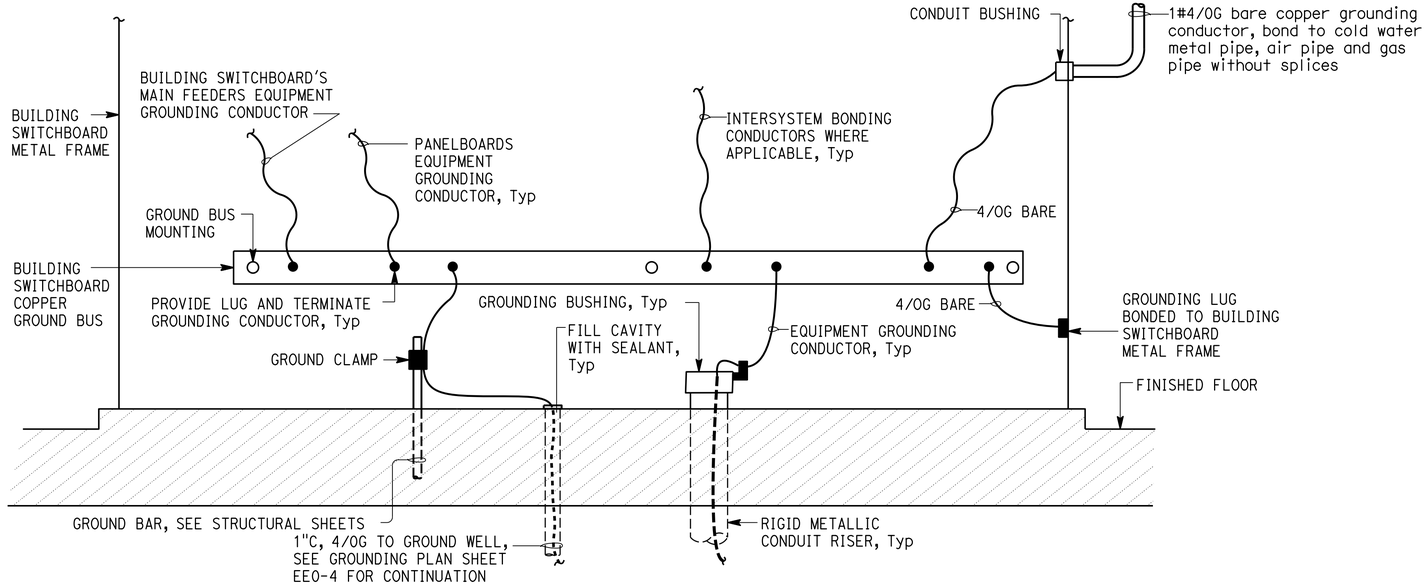
1 GROUNDING PLATE DETAIL
NO SCALE



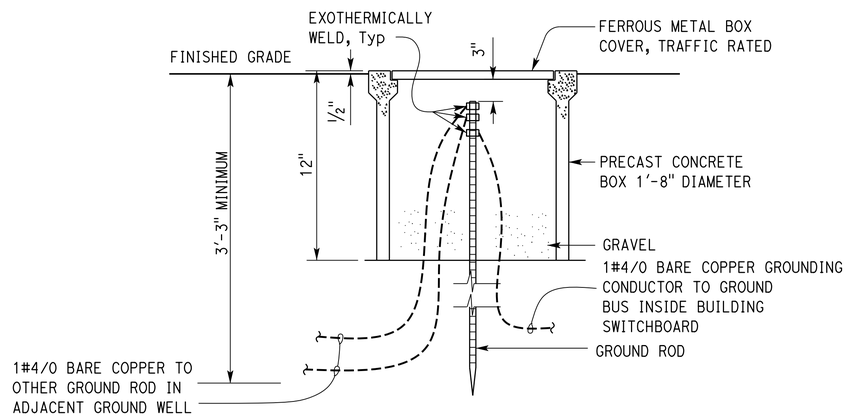
2 DETAIL
NO SCALE

NOTES:

1. Equipment grounding and bonding conductor as required, Typ.
2. 1"C, 1#4/0 bare copper grounding conductor to building switchboard ground bus.



3 BUILDING SWITCHBOARD GROUNDING
NO SCALE



4 GROUND WELL DETAIL
NO SCALE

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DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS 2

SHEET **EE1-91**

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
12-03-22 01-06-23 02-25-23 11-22-23	V2	60	62

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		278	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp.06-30-25
ELEC
STATE OF CALIFORNIA

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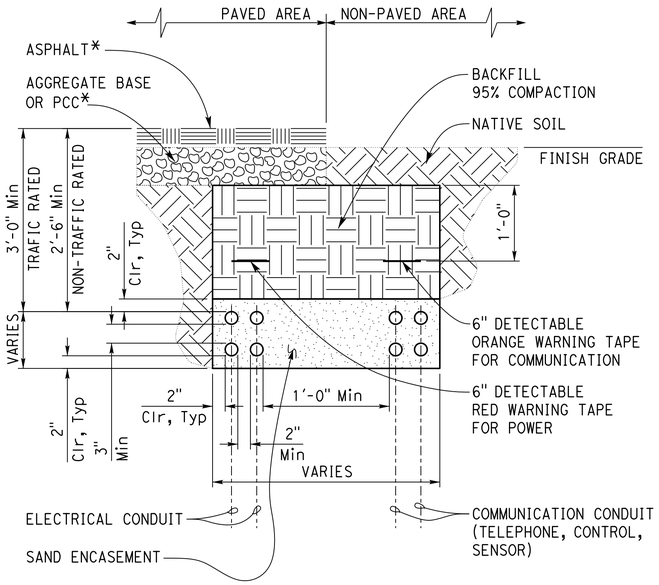

1 DIRECT BURIED TRENCH DETAIL

NO SCALE

TYPE AND DEPTH TO MATCH EXISTING OR AS SHOWN ON CIVIL PLANS.

GENERAL NOTES (Direct Buried Detail):

A. Where required to trench, disturbed and damaged surfaces must be patched to match surrounding surfaces.

B. If trench is to be a joint trench (shared with other utilities) the following separations must be maintained:

   a. 24" between gas and electric lines
   b. 12" between water and electric lines
   c. 24" between sewer and electric lines
   d. 12" between communications and electric lines

C. At maximum, only 2 conduits can be stacked vertically as shown. Use temporary supports, backfill and compact prior to installing the second row on the top.

D. Communication conduits and power conduits must be terminated into separate pull boxes.

E. Longitudinal runs of conduits must not be located directly over or under other underground facilities such as gas, water and sewage lines.

F. Refer to special provisions for more requirements.

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi	
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE
DETAILS 3

SHEET EE1-92

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING
EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)							VERSION	SHEET	OF
12-03-22	01-06-23	02-25-23	11-22-23				V2	61	62

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Dist	COUNTY	LOCATON CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		279	289

Javid Amirazodi 7-19-24
REGISTERED ELECTRICAL ENGINEER DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Javid Amirazodi
No. E 17509
Exp.06-30-25
ELEC
STATE OF CALIFORNIA

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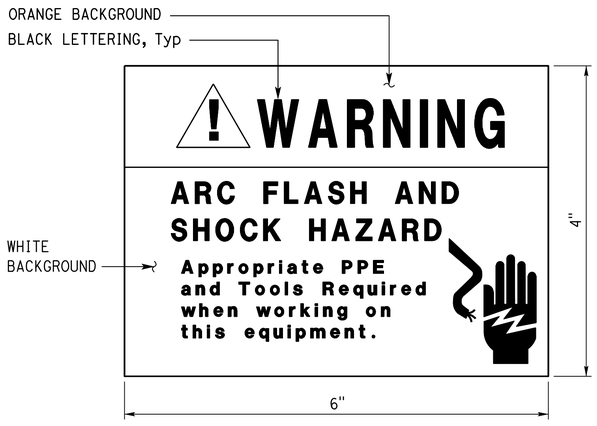
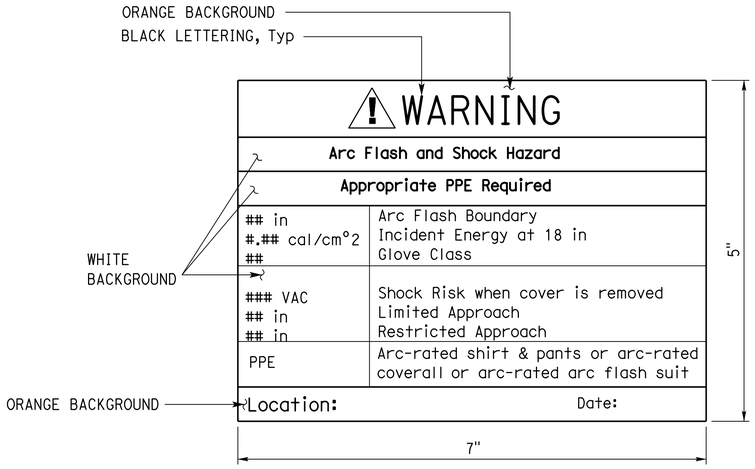


1 ARC FLASH HAZARD WARNING LABEL 1

NO SCALE



2 ARC FLASH HAZARD WARNING LABEL 2

NO SCALE

GENERAL NOTES (Arc Flash Hazard Warning Labels):

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

B. Provide warning labels for all electrical cabinets, panelboards, disconnects and control panels for the entire site including the service cabinets, and solar PV inverters.

C. Perform electrical power site survey of the entire site including all the existing and modified electrical panels.

D. Unless otherwise specified in the specifications, perform a Short Circuit, Overcurrent Protective Device Coordination and Arc Flash Study by an Independent Engineering firm, and provide label data for each panel

E. Coordinate with utilities for their incoming feeder and transformer data.

F. Legibly marked label with the available fault current to comply with CEC 110.21 (A).

APPROVED FOR ELECTRICAL WORK ONLY

DESIGN	BY Javid Amirazodi	CHECKED Farshad Tavatli	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725
DETAILS	BY Yutch Cowhie/ Shiva Ahmadpour	CHECKED Javid Amirazodi			POST MILE
QUANTITIES	BY Javid Amirazodi	CHECKED Farshad Tavatli			

WEST AVE. MAINTENANCE STATION UPGRADE

DETAILS 4

SHEET EE1-93

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3597 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)						VERSION	SHEET	OF
12-03-22	01-06-23	02-25-23	11-22-23			V2	62	62

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7-JUL-2025 17:06

NOTE:

See Utility sheets for existing utilities. Verify existing conditions in the field.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		280	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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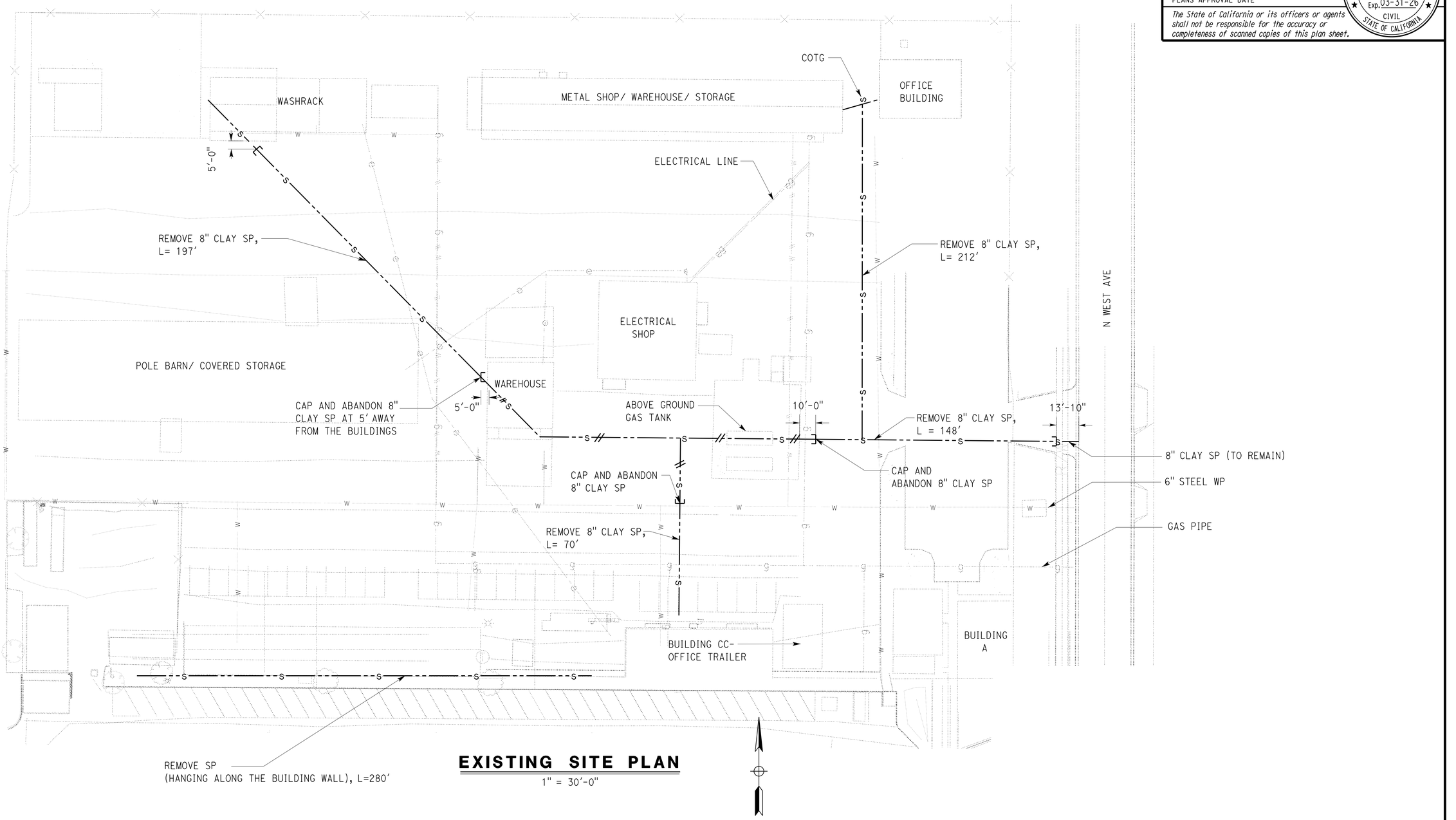

EXISTING SITE PLAN

1" = 30'-0"

"APPROVED FOR SEWER WORK ONLY"

DESIGN SUPERVISOR: Kosha K. Shah	DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER
DESIGN ENGINEER: Jessica Chander	DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER
	QUANTITIES	BY THUY DUNG GIAO	CHECKED

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

EXISTING SITE PLAN

SHEET SS-1

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	1	10

8-JUL-2025 07:22

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NOTES:

1. Install cleanouts at every 100 feet and at change of direction of SP/ FM, see SS-5
2. See Utility sheets for existing utilities. Verify existing conditions in the field.
3. For installing underground pipes, see SS-6.
4. Patch concrete and pavement to match the surrounding.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		281	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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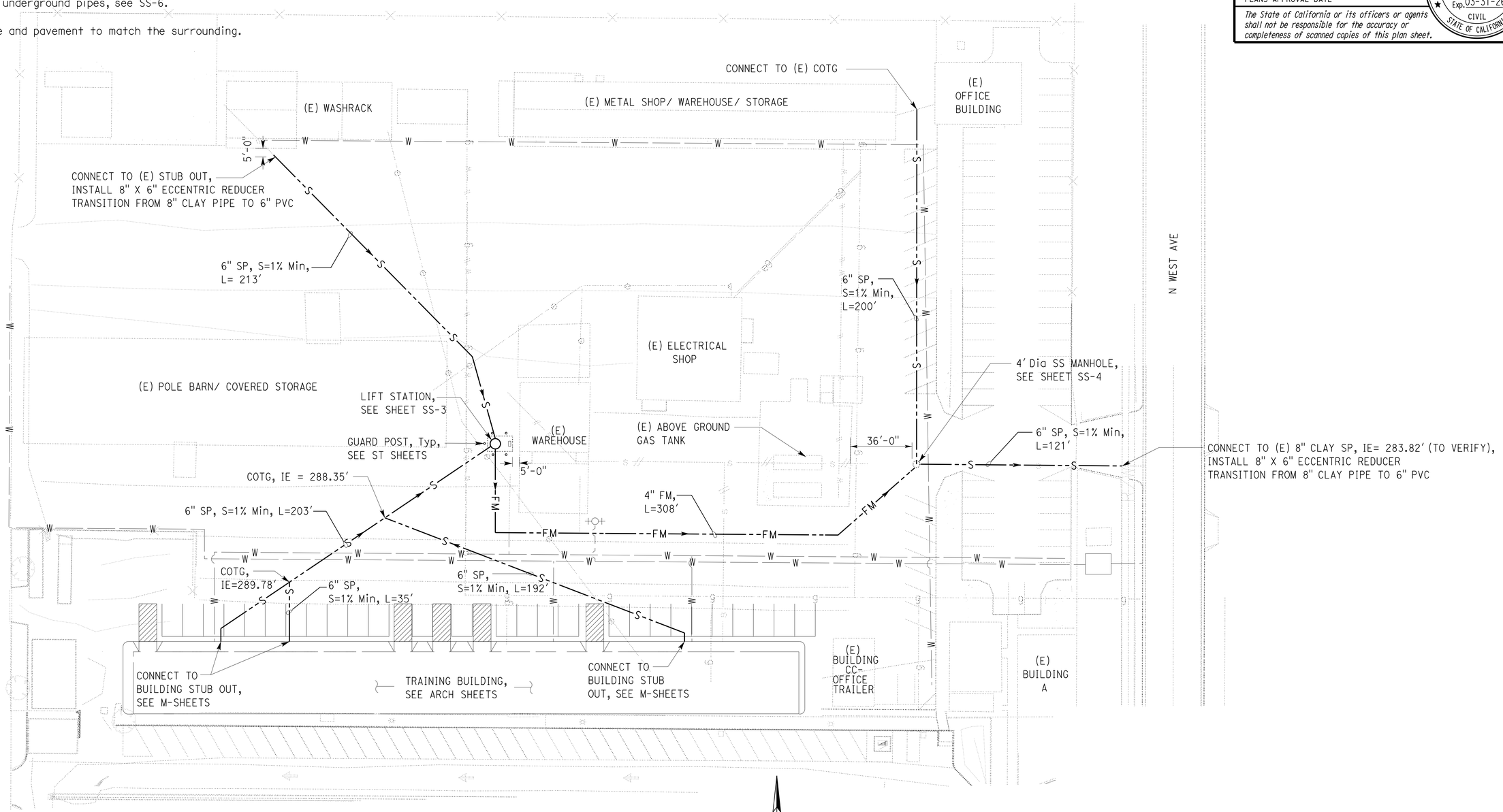

MODIFIED SITE PLAN

1" = 30'-0"

"APPROVED FOR SEWER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725 POST MILE
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER			
QUANTITIES	BY THUY DUNG GIAO	CHECKED			

WEST AVE. MAINTENANCE STATION UPGRADE

MODIFIED SITE PLAN

SHEET SS-2

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	2	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		282	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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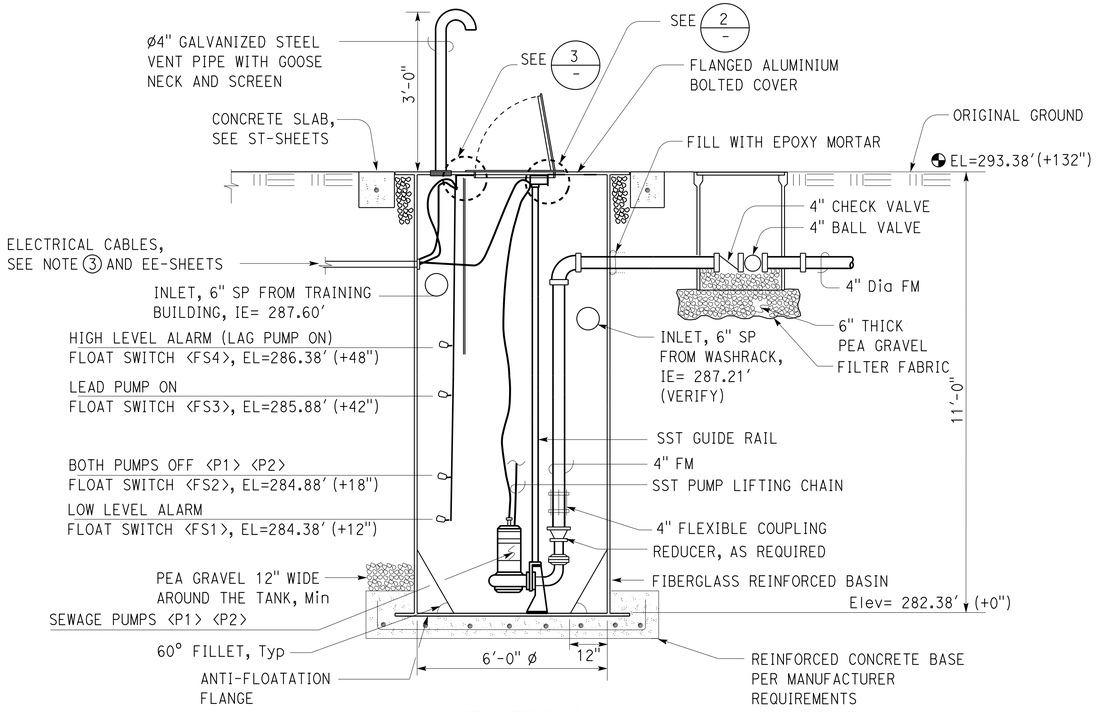

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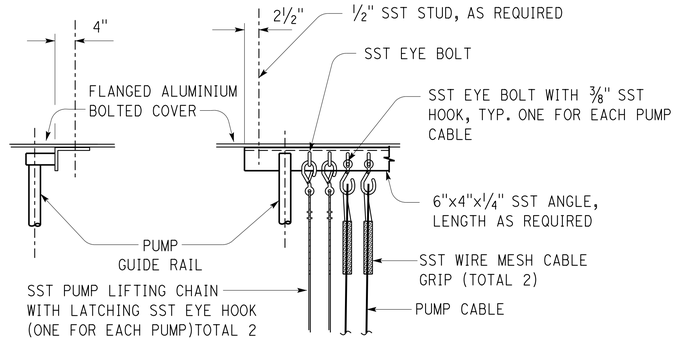


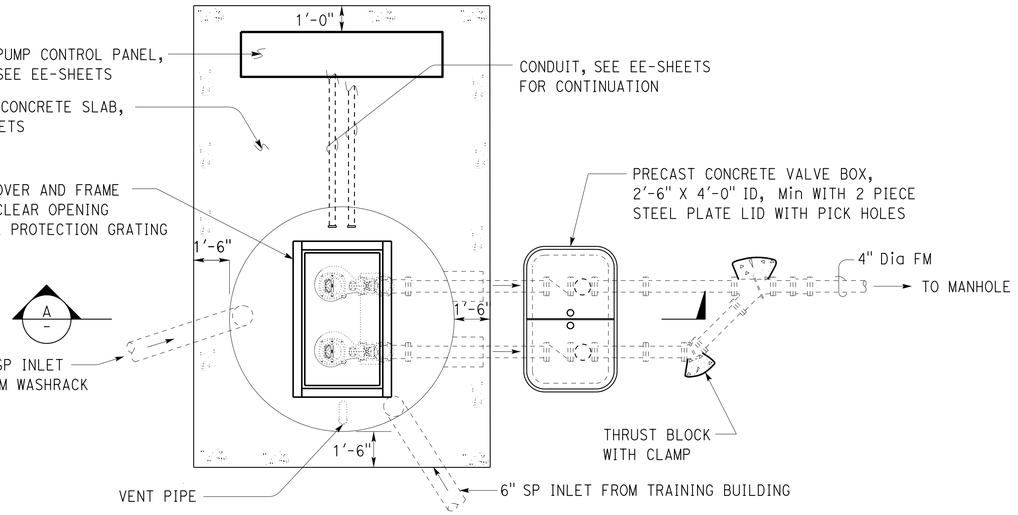
2 DETAIL
NO SCALE

EQUIPMENT SCHEDULE						
EQUIPMENT	PUMPING RATE (GPM)	TOTAL DYNAMIC HEAD (ft)	SPEED (RPM)	HP	VOLTS	PHASE
SUBMERSIBLE SEWAGE PUMP <P1> <P2>	100 150 200	17 15 13	1750	½	208	1

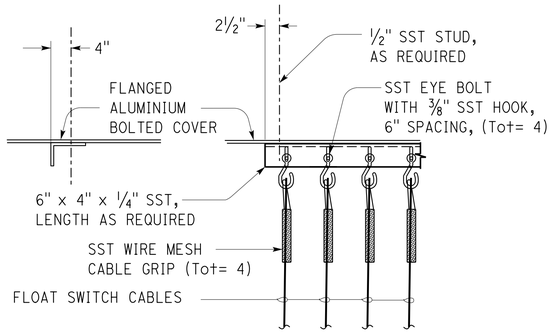
FLOAT SWITCH <FS1> TO <FS4> - EQUIPMENT OPERATION SCHEDULE	
DISTANCE FROM BOTTOM BASIN	PUMP OPERATION
+48"	<FS4> HIGH LEVEL ALARM - LAG PUMP ON
+42"	<FS3> LEAD PUMP ON
+18"	<FS2> BOTH PUMPS OFF
+12"	<FS1> LOW LEVEL ALARM

NOTES:

1. For inlet and outlet orientation and installation location, see SS-02.
2. All fasteners to aluminum and fiberglass must be devices with stainless steel threaded stud, hex nut and flat washer. Size as required.
3. Cable length must be continuous from motor and floats to controls without splices.
4. Water-tight seal pipes per manufacturer.



1 SEWAGE LIFT STATION PLAN
NO SCALE



3 DETAIL
NO SCALE

"APPROVED FOR SEWER WORK ONLY"

	BY	CHECKED
DESIGN	THUY DUNG GIAO	JESSICA CHANDER
DETAILS	KOMEYLA AMINI	JESSICA CHANDER
QUANTITIES	THUY DUNG GIAO	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

LIFT STATION

SHEET SS-3

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	3	10

8-JUL-2025 07:22

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NOTES:

1. For distribution boxes OR manholes more than 5'-0" in depth, provide polypropylene safety steps.
2. Concrete channel must be steel trowel finish and shelf areas must be monolithically placed.
3. The cored hole must be made with equipment specially designed to cut a smooth hole without spalling or damage to the reinforcing steel, pipe or structure.

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		283	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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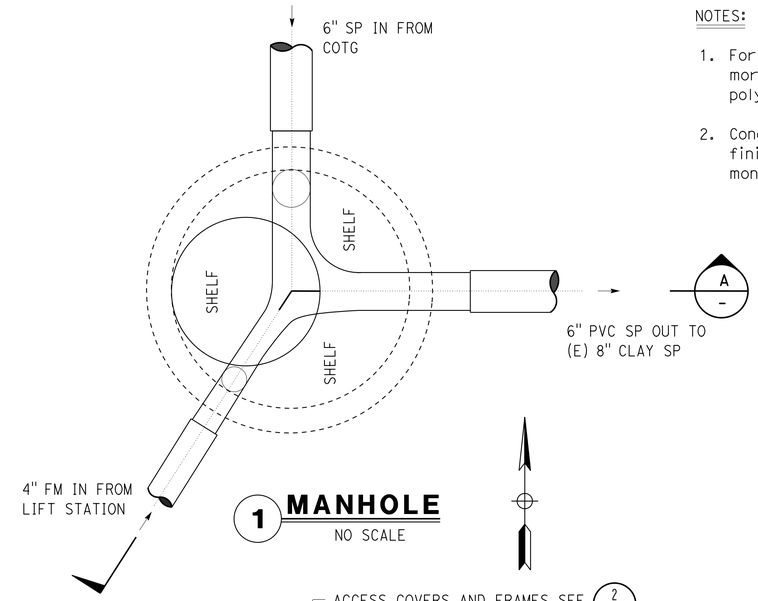
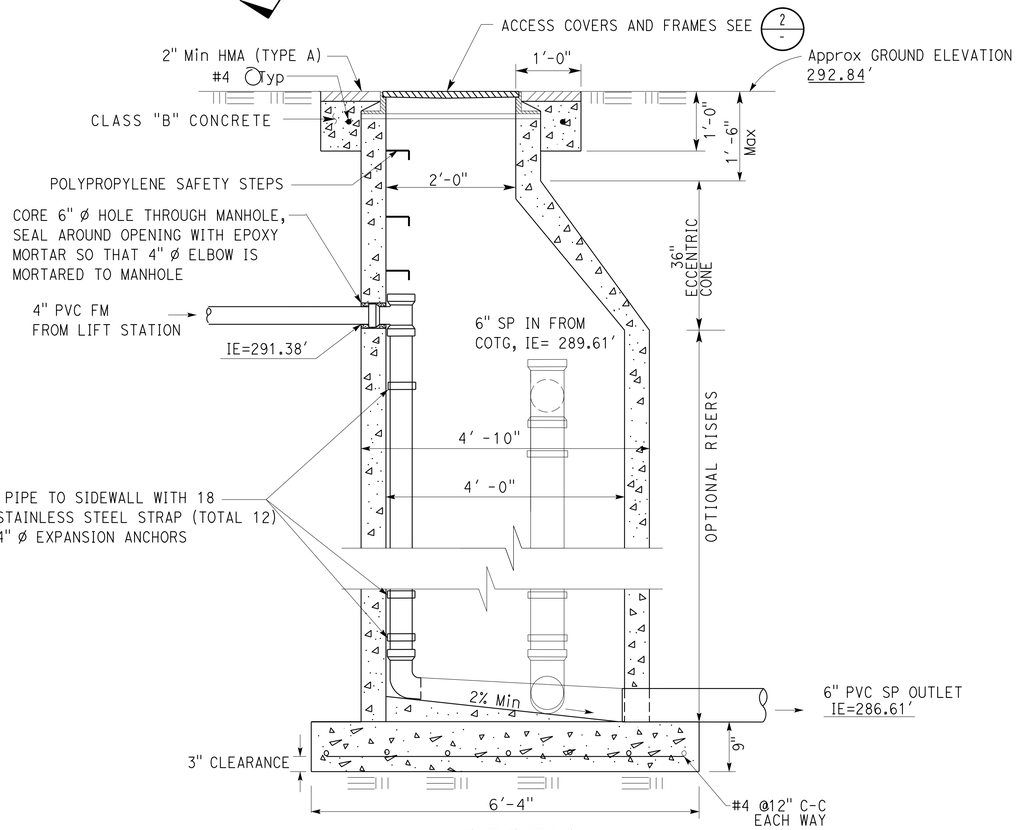
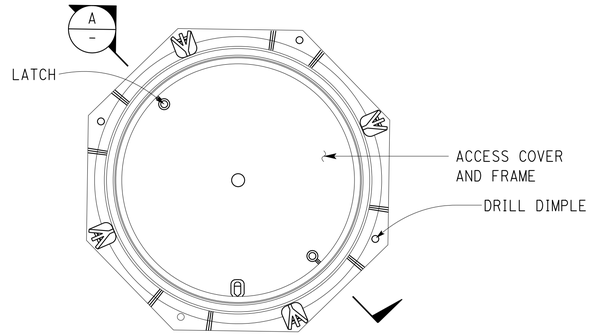


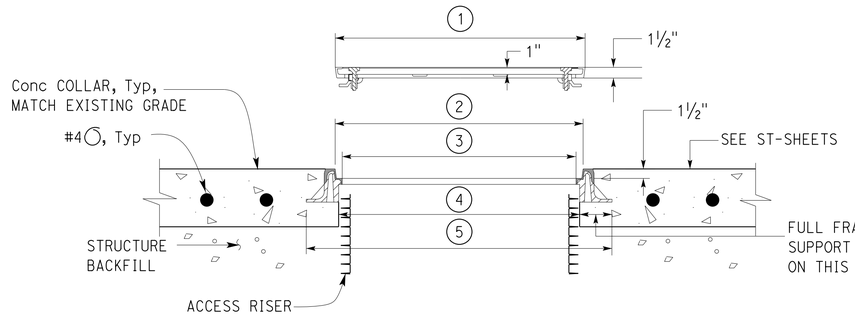
1 MANHOLE
NO SCALE



A SECTION

"APPROVED FOR SEWER WORK ONLY"





A SECTION

RISER Dia.	24"	30"	36"
1	26" Dia	32" Dia	38" Dia
2	26 1/16" Dia	32 1/16" Dia	38 1/16" Dia
3	24" Dia	30 1/16" Dia	36" Dia
4	25 5/16" Dia	31 1/4" Dia	37 1/8" Dia
5	37" Dia	41" Dia	46 1/2" Dia

2 ACCESS COVERS AND FRAMES (TRAFFIC RATED)
NO SCALE

	BY	CHECKED
DESIGN	THUY DUNG GIAO	JESSICA CHANDER
DETAILS	KOMEYLA AMINI	JESSICA CHANDER
QUANTITIES	THUY DUNG GIAO	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

MANHOLE

SHEET SS-4

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	4	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		284	289

REGISTERED CIVIL ENGINEER — DATE 02-20-25

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jessica Chander
No. 91024
Exp. 03-31-26
CIVIL
STATE OF CALIFORNIA

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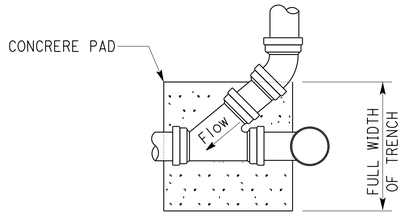
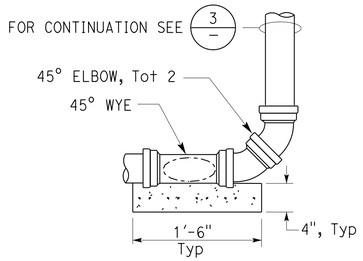
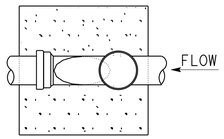


PLAN

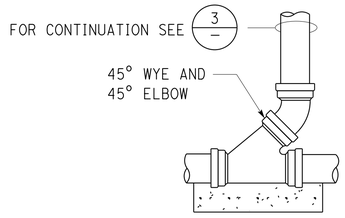


ELEVATION

CLEANOUT (AT BEND)

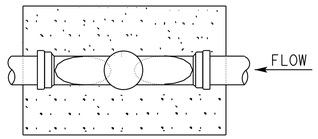


PLAN

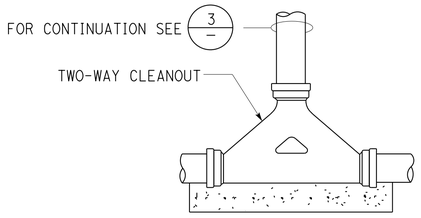


ELEVATION

CLEANOUT (STANDARD)



PLAN

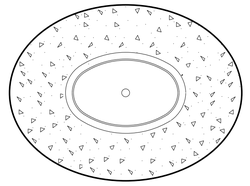


ELEVATION

TWO-WAY CLEANOUT

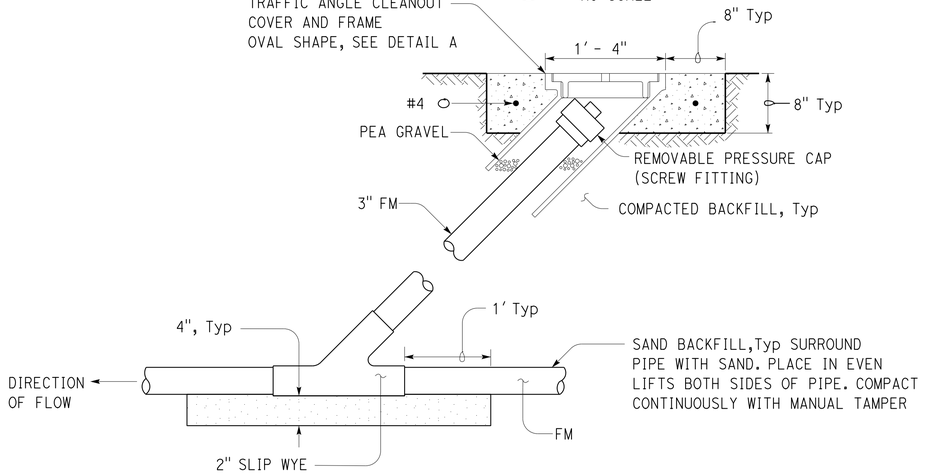
1 CLEANOUT TO GRADE - GRAVITY

NO SCALE



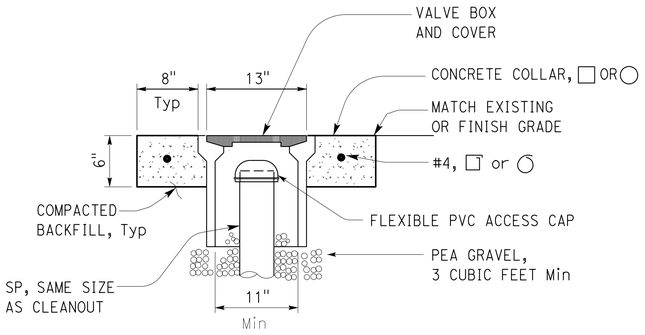
A TOP VIEW

NO SCALE



2 FORCE MAIN CLEANOUT

NO SCALE



3 COTG ACCESS BOX

NO SCALE

"APPROVED FOR SEWER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN	BRIDGE No. 42M5725 POST MILE	WEST AVE. MAINTENANCE STATION UPGRADE
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER				PIPE DETAILS - 1
QUANTITIES	BY THUY DUNG GIAO	CHECKED				

SHEET SS-5

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	5	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		285	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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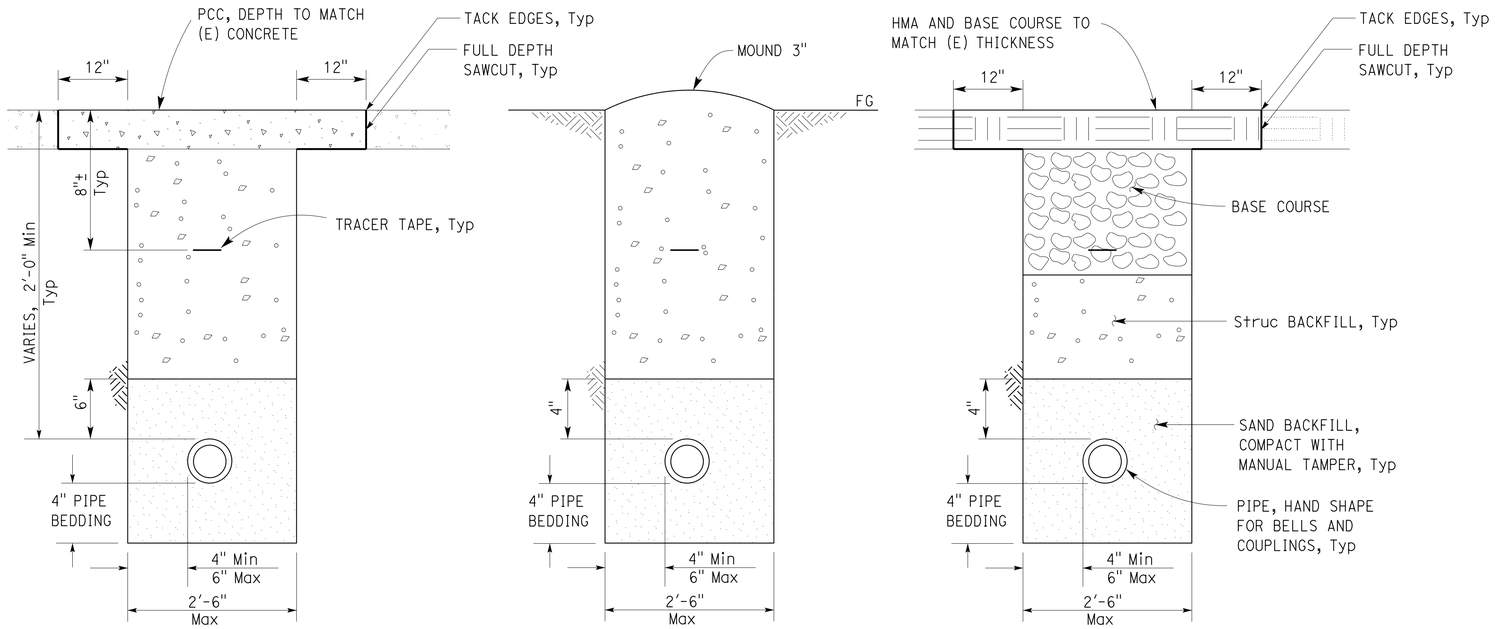
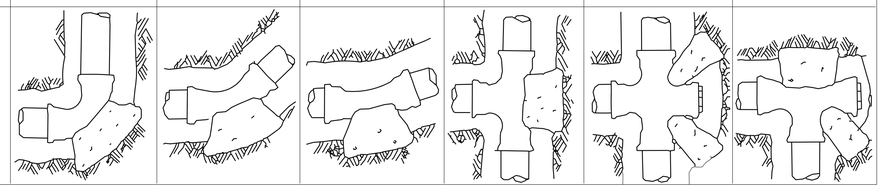


1 SEWAGE PIPE / FORCE MAIN

NO SCALE

WATER LINES AND FORCE MAINS

Type of Fitting	90° Bend	45° Bend	11 1/4° or 22 1/2° Bend	Tee or Dead end	Cross w/plug	Tee w/plug
Typical Installation						

THRUST BLOCK BEARING AREA (SQ. FT.)

Type of Fitting	90° Bend	45° Bend	11 1/4° or 22 1/2° Bend	Tee or Dead end	Tee w/ Plug	Cross w/ plug
Size of Pipe 4"	2	1	1	2	2	2
6"	4	4	2	4	4	4
8"	7	4	2	5	7	7
10"	12	6	3	8	12	12
12"	16	10	5	12	16	16
14"	20	12	6	14	20	20
16"	27	15	8	18	27	27
18"	45	25	13	32	45	45
24"	65	35	18	46	65	65

2 THRUST BLOCK

NO SCALE

"APPROVED FOR SEWER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER	DIVISION OF ENGINEERING SERVICES ELECTRICAL-MECHANICAL-WATER AND WASTEWATER DESIGN
QUANTITIES	BY THUY DUNG GIAO	CHECKED	

BRIDGE No. 42M5725 — POST MILE

WEST AVE. MAINTENANCE STATION UPGRADE

PIPE DETAILS - 2

SHEET SS-6

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	6	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		286	289

REGISTERED CIVIL ENGINEER — DATE 02-20-25

PLANS APPROVAL DATE May 27, 2025

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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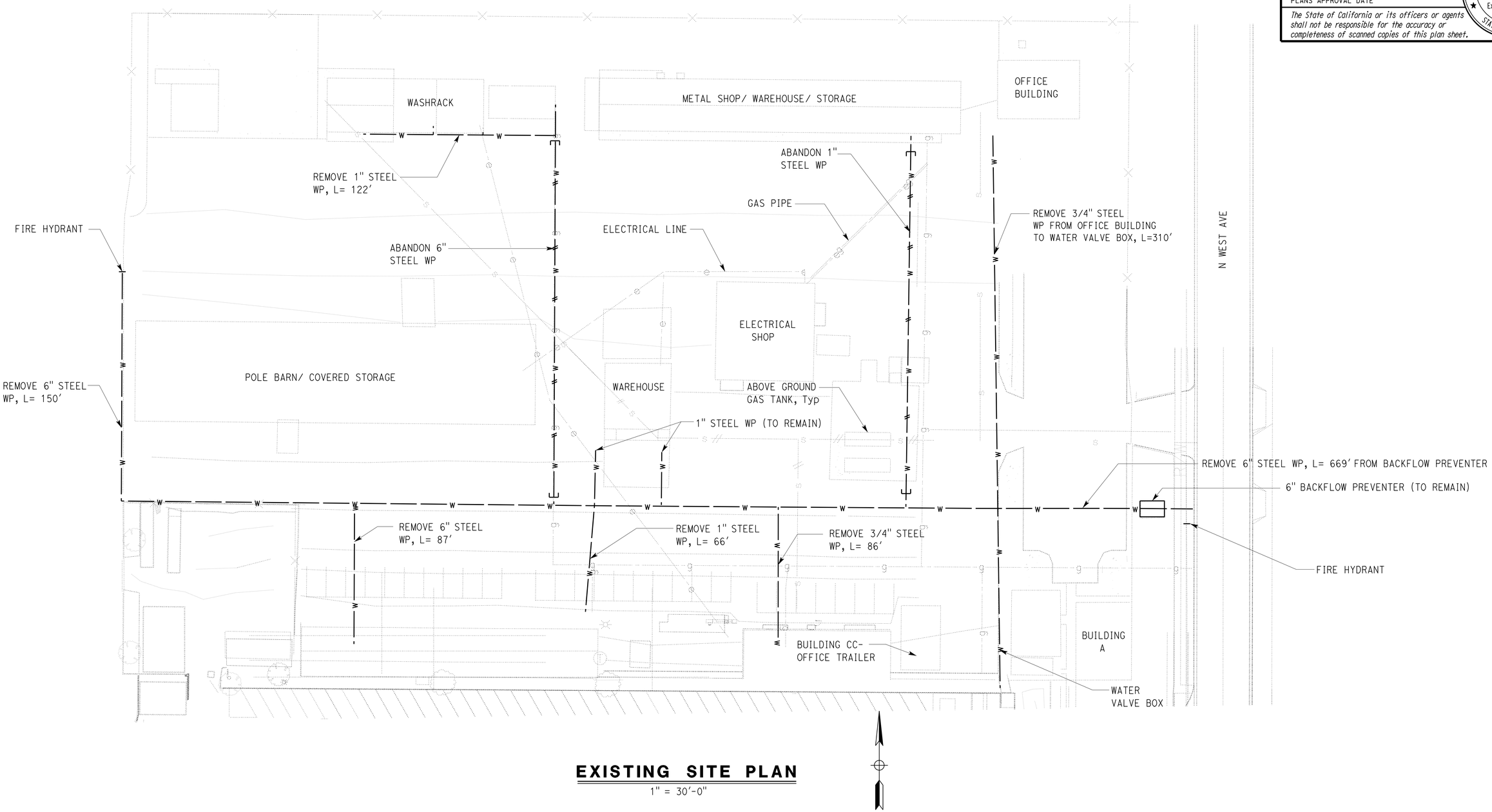
NOTE:

See Utility sheets for existing utilities. Verify existing conditions in the field.



EXISTING SITE PLAN

1" = 30'-0"

"APPROVED FOR WATER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER	
QUANTITIES	BY THUY DUNG GIAO	CHECKED	

Kosha K. Shah — DESIGN SUPERVISOR

DESIGN ENGINEER

STATE OF CALIFORNIA — DEPARTMENT OF TRANSPORTATION

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

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

BRIDGE No. 42M5725 — POST MILE

WEST AVENUE MS

EXISTING SITE PLAN

SHEET **W-1**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	7	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		287	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — Jessica Chander — No. 91024 — Exp. 03-31-26 — CIVIL — STATE OF CALIFORNIA

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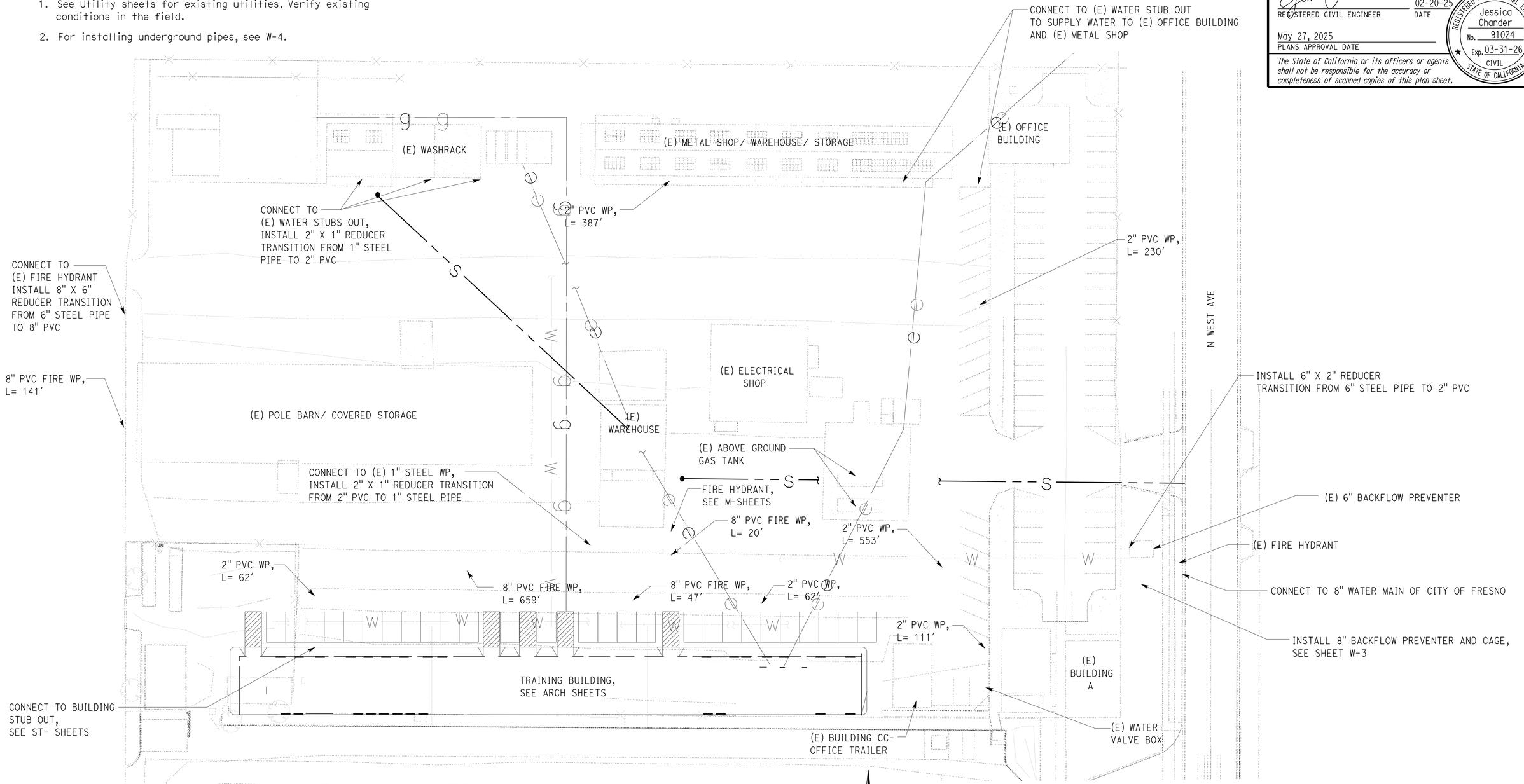
NOTES:

1. See Utility sheets for existing utilities. Verify existing conditions in the field.
2. For installing underground pipes, see W-4.



MODIFIED SITE PLAN

1" = 30'-0"

"APPROVED FOR WATER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER	
QUANTITIES	BY THUY DUNG GIAO	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVENUE MS

MODIFIED SITE PLAN

SHEET **W-2**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	8	10

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8-JUL-2025 07:22

Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		288	289

REGISTERED CIVIL ENGINEER — 02-20-25 DATE

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jessica Chander
No. 91024
Exp. 03-31-26
CIVIL
STATE OF CALIFORNIA

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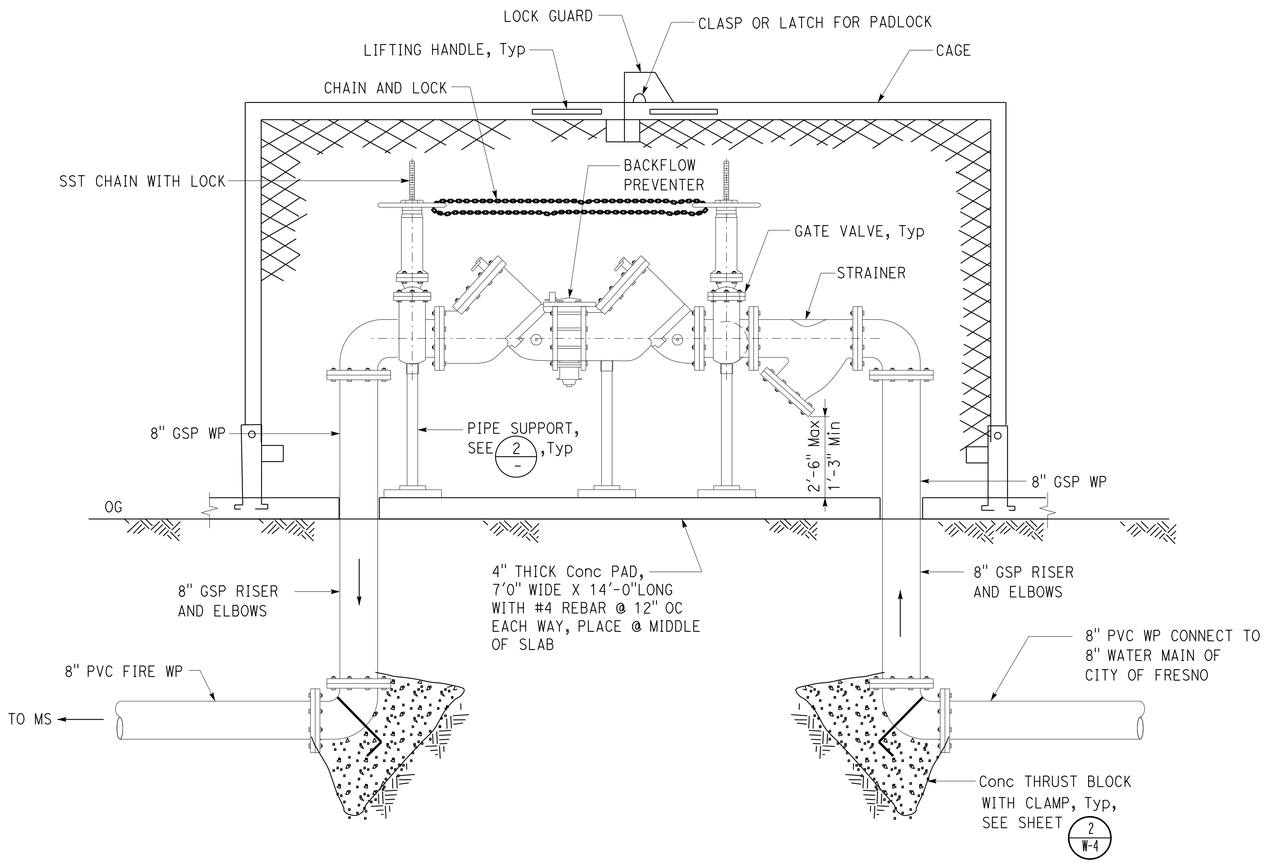
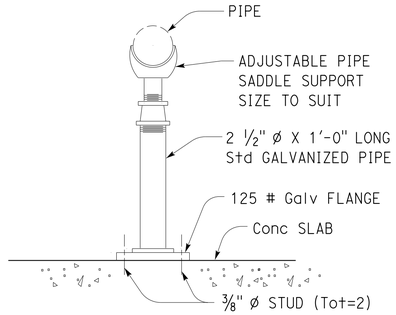


1 8" FIRE WATER BACKFLOW PREVENTER ASSEMBLY

NO SCALE



2 PIPE SUPPORT

NO SCALE

NOTE:

All fasteners to concrete must be anchor bolt or expansion anchorage devices with galvanized threaded stud, hex nut and flat washer. Size of studs shown.

NOTES:

1. All connections on assembly to be flanged.
2. Backflow assembly should be placed in a planter so that plant material will screen view of assembly from street.
3. Water supply - no connections or tees to be allowed between meter and assembly.
4. Assembly must be accessible for testing and maintenance.

"APPROVED FOR WATER WORK ONLY"

	BY	CHECKED
DESIGN	THUY DUNG GIAO	JESSICA CHANDER
DETAILS	KOMEYLA AMINI	JESSICA CHANDER
QUANTITIES	THUY DUNG GIAO	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVENUE MS
BACKFLOW PREVENTER

SHEET W-3

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	9	10

8-JUL-2025 07:22

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Dist	COUNTY	LOCATION CODE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
06	Fre	5725		289	289

REGISTERED CIVIL ENGINEER — DATE 02-20-25

May 27, 2025
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER
Jessica Chander
No. 91024
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CIVIL
STATE OF CALIFORNIA

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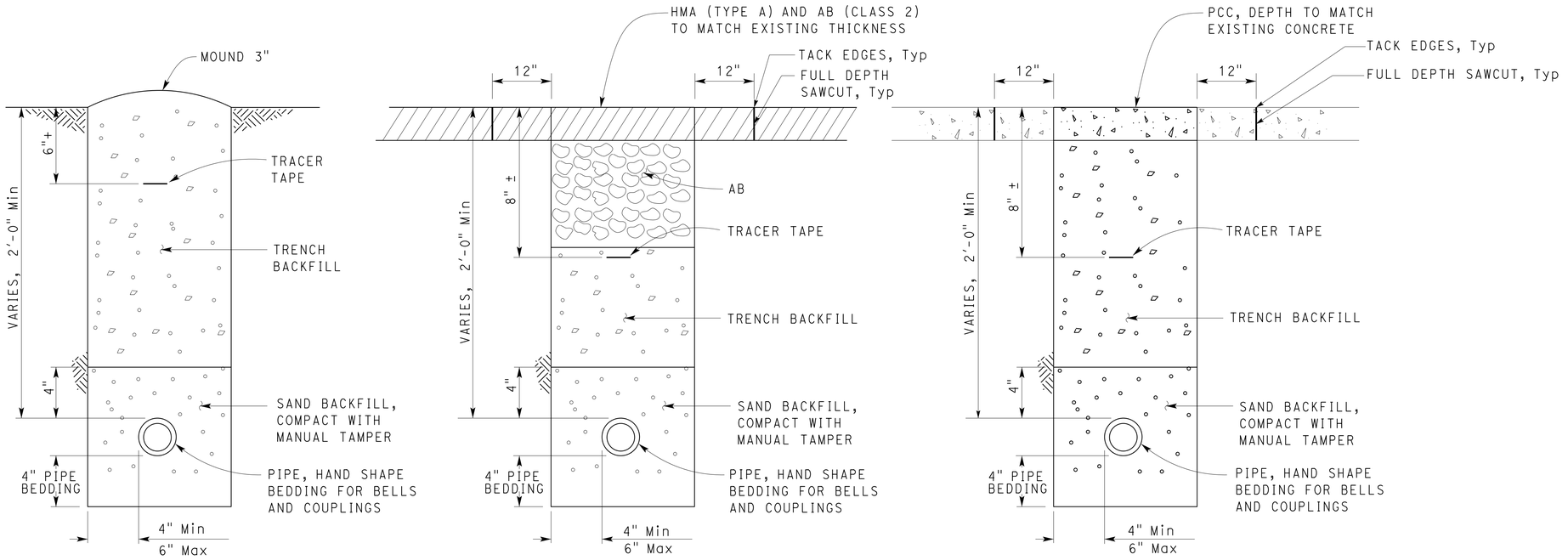
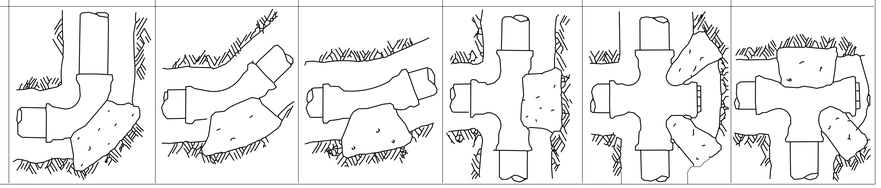


1 WATER PIPE
NO SCALE

WATER LINES AND FORCE MAINS

Type of Fitting	90° Bend	45° Bend	11 1/4° or 22 1/2° Bend	Tee or Dead end	Cross w/plug	Tee w/plug
Typical Installation						

THRUST BLOCK BEARING AREA (SQ. FT.)

Size of Pipe	Type of Fitting: 90° Bend	45° Bend	11 1/4° or 22 1/2° Bend	Tee or Dead end	Tee w/ Plug	Cross w/ plug
4"	2	1	1	2	2	2
6"	4	4	2	4	4	4
8"	7	4	2	5	7	7
10"	12	6	3	8	12	12
12"	16	10	5	12	16	16
14"	20	12	6	14	20	20
16"	27	15	8	18	27	27
18"	45	25	13	32	45	45
24"	65	35	18	46	65	65

2 THRUST BLOCK
NO SCALE

"APPROVED FOR WATER WORK ONLY"

DESIGN	BY THUY DUNG GIAO	CHECKED JESSICA CHANDER	
DETAILS	BY KOMEYLA AMINI	CHECKED JESSICA CHANDER	
QUANTITIES	BY THUY DUNG GIAO	CHECKED	

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

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

BRIDGE No. 42M5725
POST MILE

WEST AVENUE MS

PIPE DETAILS

SHEET **W-4**

TAEMWW Imperial - CCSC Rev. 12/20

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

UNIT: 3616 CONTRACT No.: 06-0X4304
PROJECT NUMBER & PHASE: 06180000651

DISREGARD PRINTS BEARING EARLIER REVISION DATES →

REVISION DATES (PRELIMINARY STAGE ONLY)	VERSION	SHEET	OF
	V2	10	10

8-JUL-2025 07:22

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