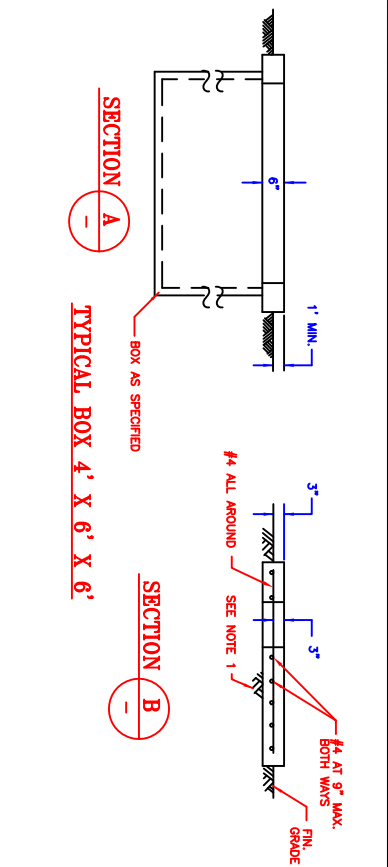
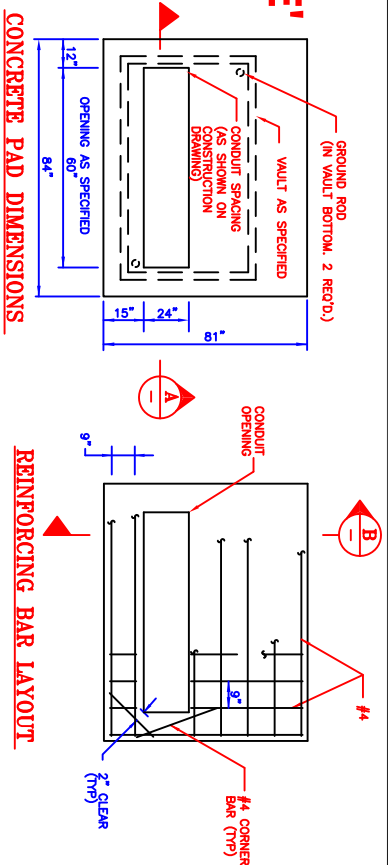
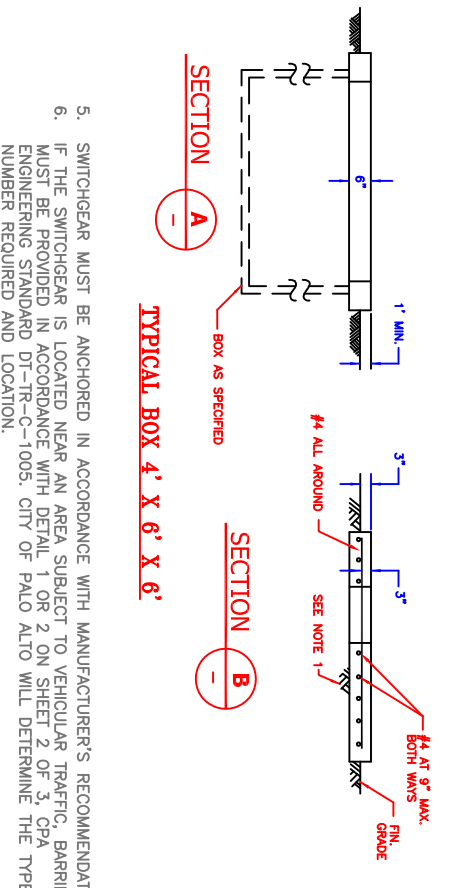
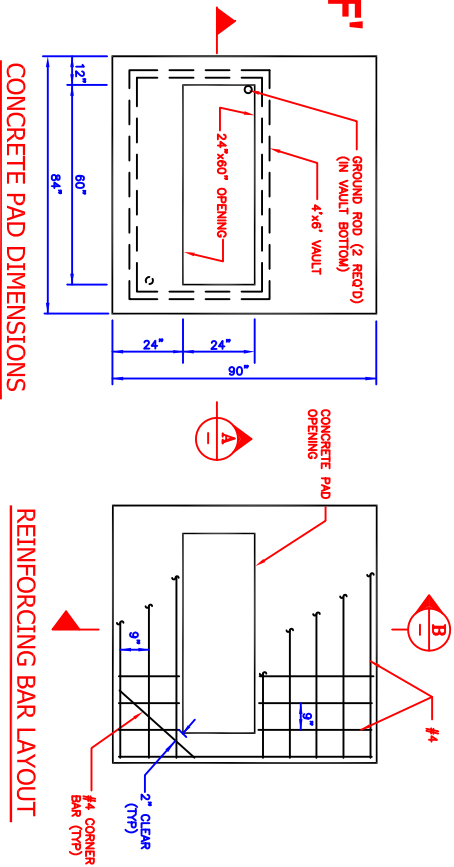


TYPE 'E'



CONCRETE PAD DIMENSIONS
REINFORCING BAR LAYOUT

TYPE 'F'



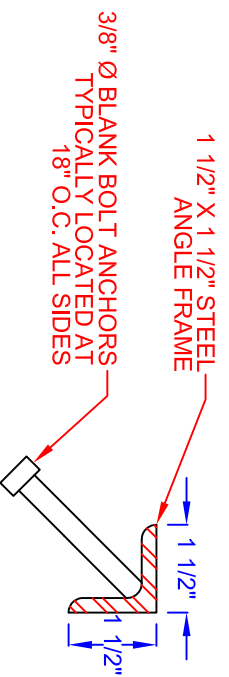
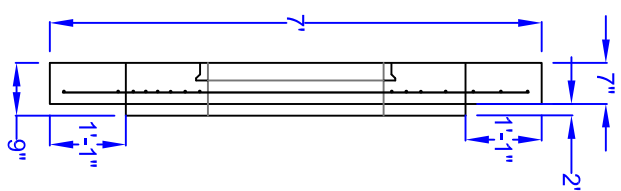
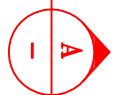
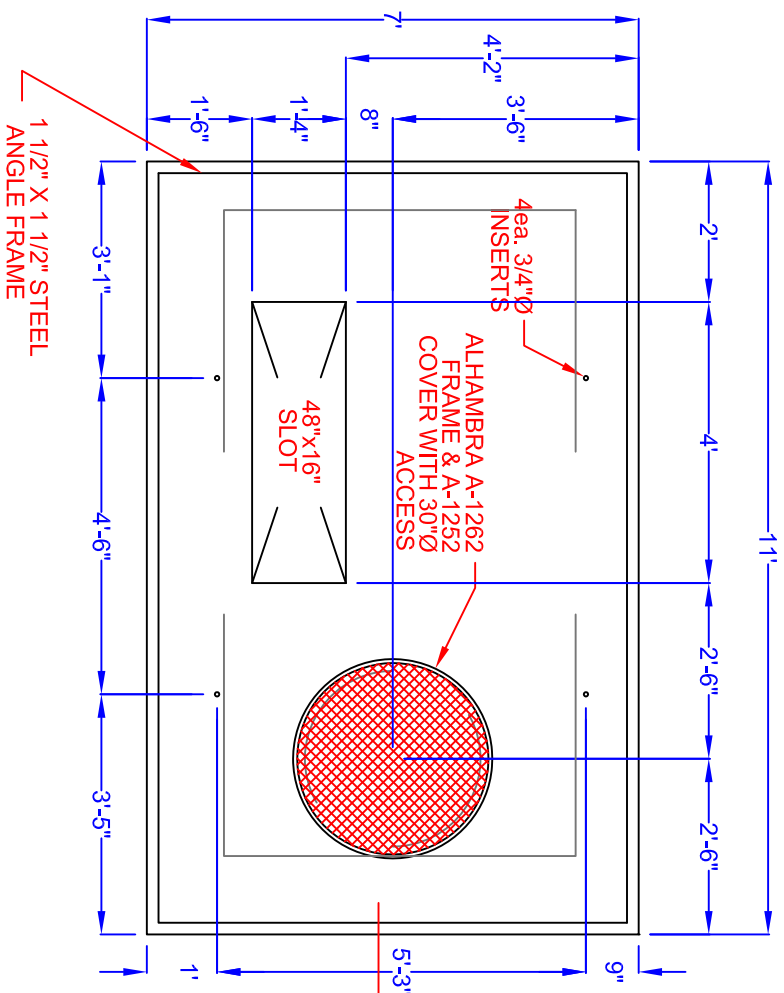
CONCRETE PAD DIMENSIONS
REINFORCING BAR LAYOUT

NOTES:

- TWO OF THE GROUND RODS MUST BE CONNECTED TOGETHER, BY BARE COPPER #2 STRANDED WIRE, AND RUN UP THROUGH THE CABLE WINDOW AND CONNECTED TO THE NEUTRAL.
- ALL CONDUIT MUST BE CAPPED.
- ALL SIDES MUST BE CLEAR FOR SWITCH DOOR SWING, SWITCH HANDLE OPERATION AND THE USE OF A HOT STICK OR BAYONET. MINIMUM CLEARANCES AROUND CONCRETE PAD ARE 3' FROM THE BACK AND SIDES AND 10' FROM THE FRONT. THESE CLEARANCES WILL BE CHECKED BY THE ELECTRICAL ENGINEERING.
- GROUND ROD MUST BE 5/8" X 8' PER CITY OF PALO ALTO ENGINEERING DRAWING DT-SS-U-1001.

ENGINEERING STANDARDS

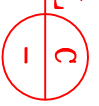
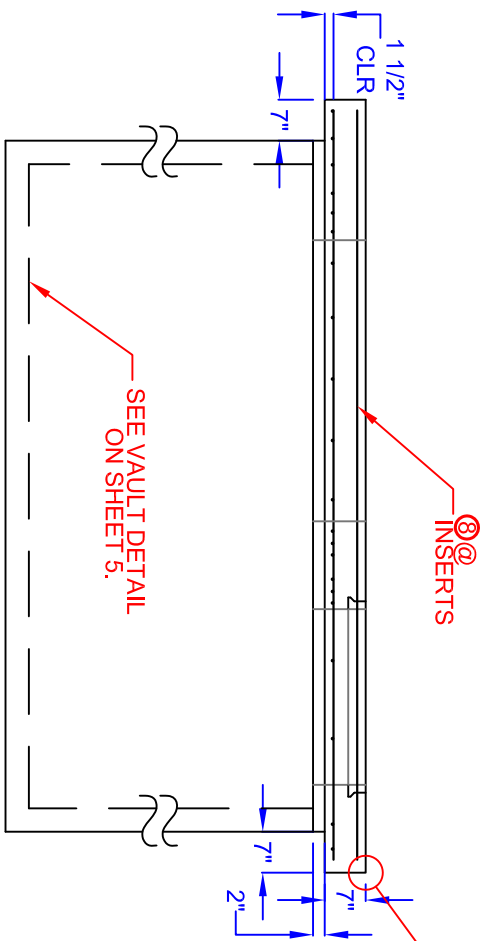
APPROVED	10/02	PADMOUNT SWITCHGEAR CONCRETE PAD DETAIL TYPE E & F	REV.	DATE	APPR.	DESCRIPTION
PATRICK VALATH SR. ENGINEER / MANAGER						
ENGR.	PV	City of Palo Alto California UTILITIES, ELECTRIC ENGINEERING	MAP #	CKT #	SCALE	W.O.# / DRAWING #
DRWN	DANIEL T.		-	-	NTS	DT-SS-U-1026
CHKD.	TT				SHEET 1	OF 5



A
ANGLE FRAME DETAIL

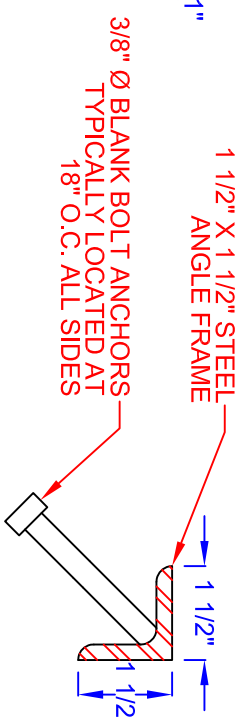
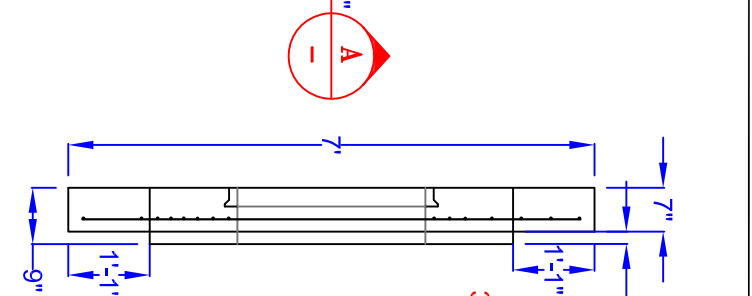
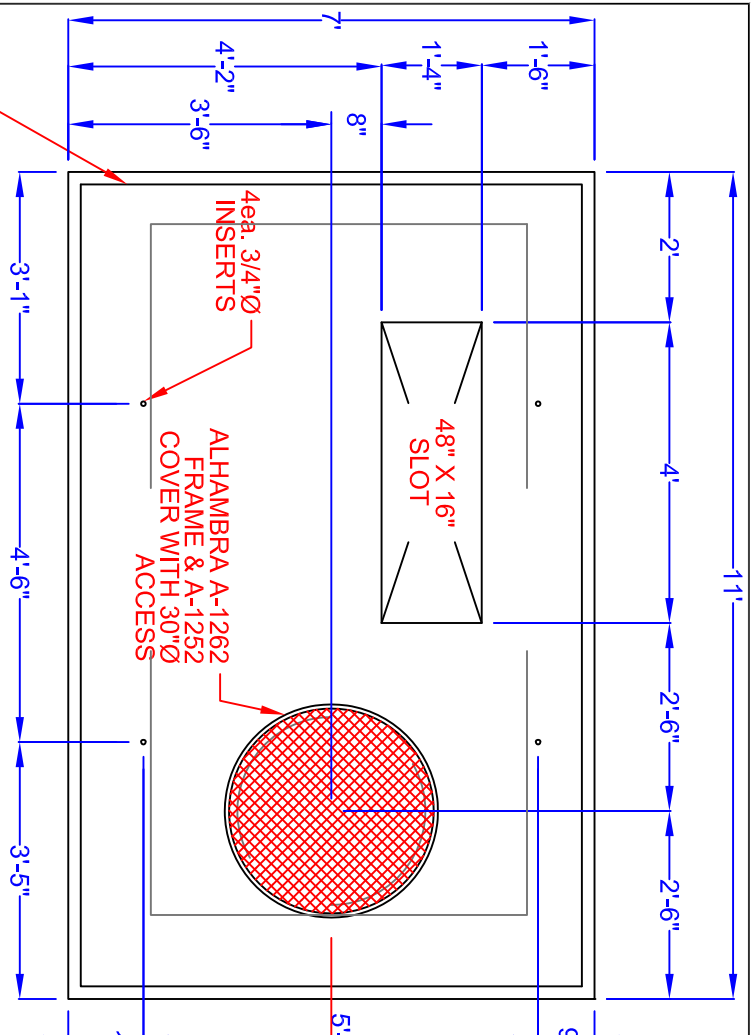
- GENERAL NOTES:
1. CONCRETE: $f_c = 4,500$ psi ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS.
 2. REINFORCEMENT: A. REBAR: ASTM A706, GRADE 60 B. STRENGTH $F_y = 60,000$ psi.
 3. ALL CONCRETE JOINTS TO BE SEALED USING APPROVED JOINT SEALANT UNLESS OTHERWISE NOTED.
 4. ALL MATERIAL SHALL BE DOMESTIC. (MADE IN U.S.A.)
 5. STRUCTURE DESIGNED FOR EQUIP./PEDESTRIAN LAODING PER ASTM C-857. (300 lb. PER SQ. FT.)

C
DETAIL
SWITCH PAD
ROOF SLAB
TYPE-A



MARK	QTY	SIZE	LENGTH	TYPE	A	B	C	WEIGHT
①	14	5	6'-9"	STR				99#
②	13	5	3'-11"	STR				53#
③	12	5	2'-0"	STR				25#
④	10	5	10'-9"	STR				112#
⑤	4	5	7'-7"	STR				32#
⑥	3	5	4'-9"	STR				15#
⑦	1	5	1'-9"	STR				2#
⑧	2	4	10'-9"	STR				14#
⑨	5	5	1'-3"	STR				7#

APPROVED	10/02	PADMOUNT SWITCHGEAR CONCRETE PAD DETAIL ROOF SLAB TYPE-A		REV.	DATE	APPR.	DESCRIPTION
ENGR.	PV	City of Palo Alto California UTILITIES, ELECTRIC ENGINEERING		MAP #	CKT #	SCALE	W.O.# /DRAWING #
SR. ENGINEER /MANAGER	PATRICK VALATH						
DRWN	DANIEL T.			NTS			DT-SS-U-1026
CHKD.	TT			SHEET	2	OF	5



1 1/2" X 1 1/2" STEEL ANGLE FRAME

Ø INSERTS

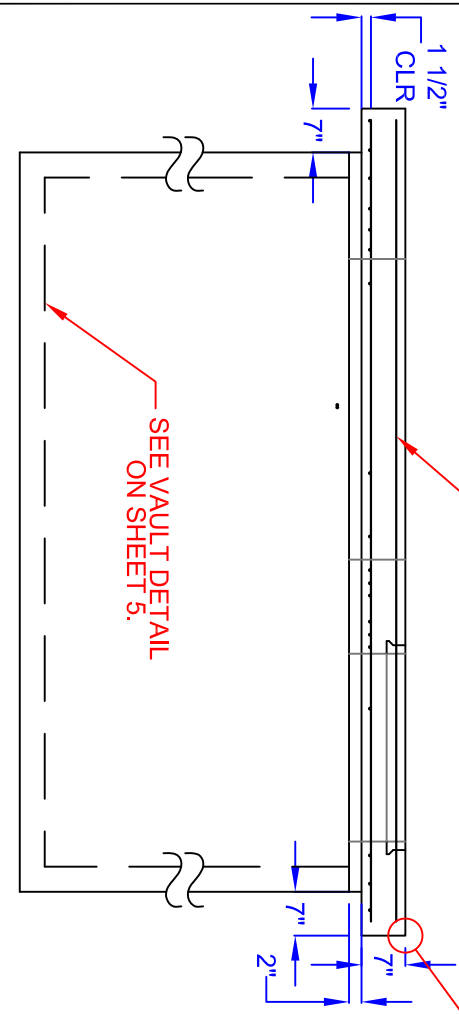
ALHAMBRA A-1262 FRAME & A-1252 COVER WITH 30" Ø ACCESS

48" X 16" SLOT

4ea. 3/4" Ø INSERTS

DETAIL C

SWITCH PAD ROOF SLAB TYPE-B

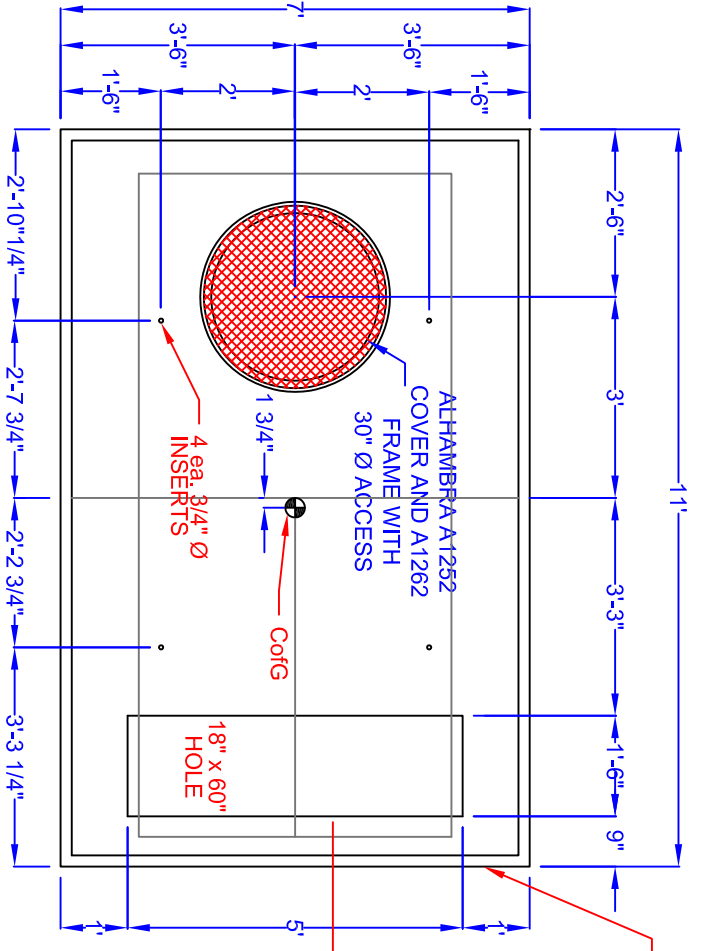


SEE VAULT DETAIL ON SHEET 5.

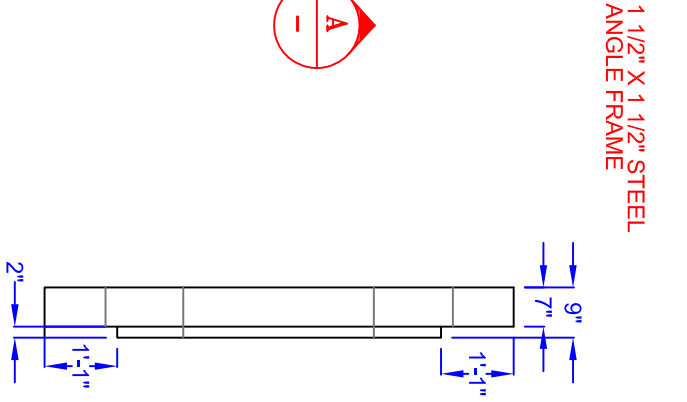
- GENERAL NOTES:
1. CONCRETE: $f_c = 4,500$ psi ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS.
 2. REINFORCEMENT: A. REBAR: ASTM A706, GRADE 60 B. STRENGTH $F_y = 60,000$ psi.
 3. ALL CONCRETE JOINTS TO BE SEALED USING APPROVED JOINT SEALANT UNLESS OTHERWISE NOTED.
 4. ALL MATERIAL SHALL BE DOMESTIC. (MADE IN U.S.A.)
 5. STRUCTURE DESIGNED FOR EQUIP./PEDESTRIAN LAODING PER ASTM C-857 (300 lb. PER SQ. FT.)

MARK	QTY	SIZE	LENGTH	TYPE	A	B	C	WEIGHT
③	5	5	1'-3"	STR				7#
④	2	4	10'-9"	STR				14#
⑤	1	5	1'-9"	STR				2#
⑥	3	5	4'-9"	STR				15#
⑦	4	5	7'-7"	STR				32#
⑧	10	5	10'-9"	STR				112#
⑨	12	5	2'-0"	STR				25#
⑩	13	5	3'-11"	STR				53#
⑪	14	5	6'-9"	STR				99#

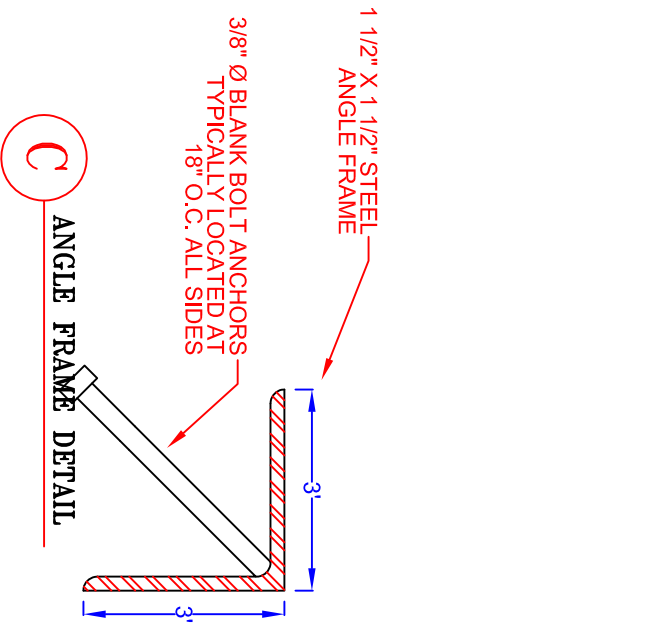
APPROVED	10/02	PADMOUNT SWITCHGEAR CONCRETE PAD DETAIL ROOF SLAB TYPE-B	
PATRICK VALATH	Sr. ENGINEER / MANAGER	City of Palo Alto	California
ENGR.	PV	UTILITIES, ELECTRIC ENGINEERING	
DRWN	DANIEL T.	MAP #	CKT #
CHKD.	TT	SCALE	W.O.# / DRAWING #
		NTS	DT-SS-U-1026
			SHEET 3 OF 5



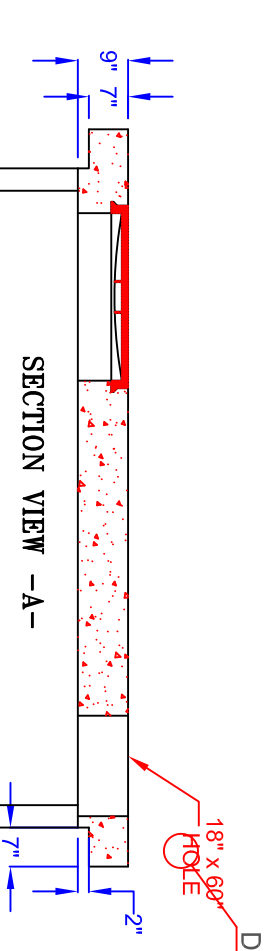
PLAN VIEW



END VIEW



ANGLE FRAME DETAIL



SECTION VIEW -A-

SEE VAULT DETAIL ON SHEET 5.

SWITCH PAD ROOF SLAB TYPE-C



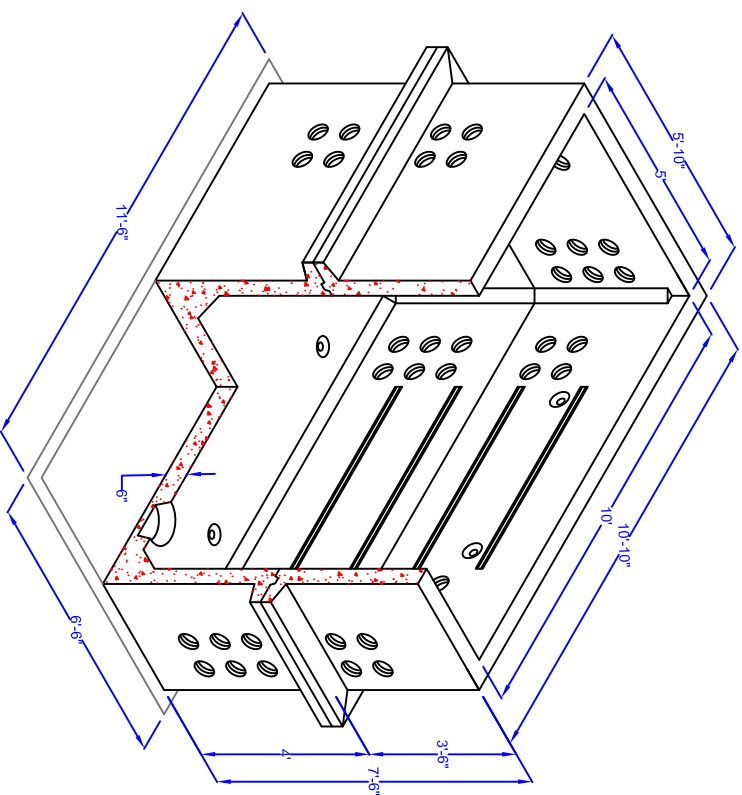
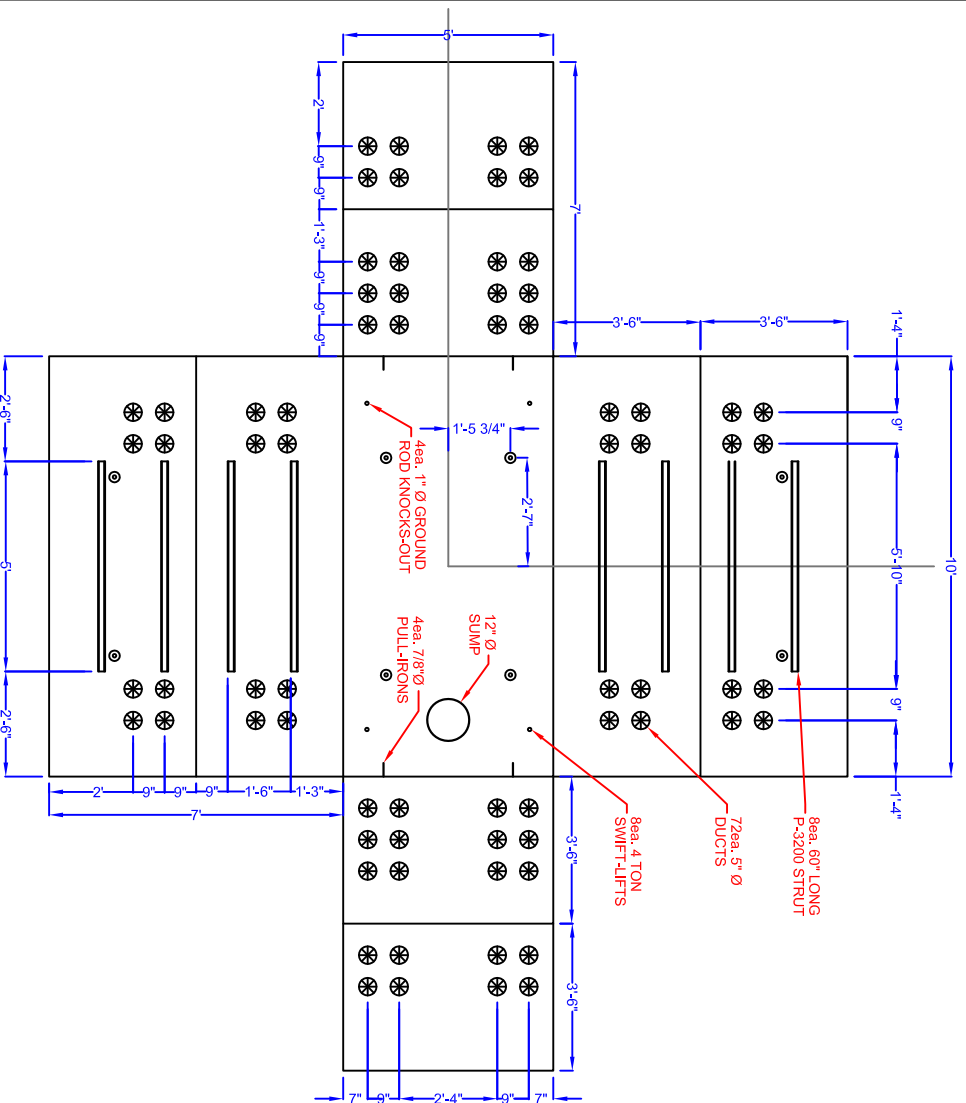
STEEL GENERAL NOTES:

1. STEEL: ASTM A36. GALVINIZE AFTER FABRICATION.
2. GALVINIZATION: ASTM A132.
3. WELDING: AWS D1.1.

GENERAL NOTES:

1. CONCRETE: $f_c = 4,500$ psi ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS.
2. REINFORCEMENT: A. REBAR: ASTM A706, GRADE 60 B. STRENGTH $F_y = 60,000$ psi.
3. ALL CONCRETE JOINTS TO BE SEALED USING APPROVED JOINT SEALANT UNLESS OTHERWISE NOTED.
4. ALL MATERIAL SHALL BE DOMESTIC. (MADE IN U.S.A.)
5. STRUCTURE DESIGNED FOR EQUIP./PEDESTRIAN LAODING PER ASTM C-857. (300 lb. PER SQ. FT.)

APPROVED	10/02	PADMOUNT SWITCHGEAR CONCRETE PAD DETAIL ROOF SLAB TYPE-C		REV.	DATE	APPR.	DESCRIPTION
PATRICK VALATH SR. ENGINEER /MANAGER		 City of Palo Alto California UTILITIES, ELECTRIC ENGINEERING					
ENGR.	PV			MAP #	CKT #	SCALE	W.O.# /DRAWING #
DRWN	DANIEL T.			NTS	DT-SS-U-1026		
CHKD.	TT				SHEET 4	OF 5	



TOP WEIGHT: 9,800#
BASE WEIGHT: 11,400#

ENGINEERING STANDARDS

- GENERAL NOTES:
- 1. CONCRETE: f'_c = 4,500 psi ULTIMATE COMPRESSIVE STRENGTH IN 28 DAYS.
 - 2. REINFORCEMENT: A. REBAR: ASTM A706, GRADE 60
 - B. STRENGTH F_y = 60,000 psi.
 - 3. ALL CONCRETE JOINTS TO BE SEALED USING APPROVED JOINT SEALANT UNLESS OTHERWISE NOTED.
 - 4. ALL MATERIAL SHALL BE DOMESTIC. (MADE IN U.S.A.)
 - 5. STRUCTURE DESIGNED FOR EQUIP./PEDESTRIAN LOADING PER ASTM C-857. (300 lb. PER SQ. FT.)

APPROVED	10/02		REV.	DATE	APPR.	DESCRIPTION
PATRICK VALATH SR. ENGINEER / MANAGER			MAP #	CKT #	SCALE	W.O.# / DRAWING #
ENGR.	PV		-	-	NTS	DT-SS-U-1026
DRWN	DANIEL T.		-	-	NTS	SHEET 5 OF 5
CHKD.	TT	-	-	-	-	-