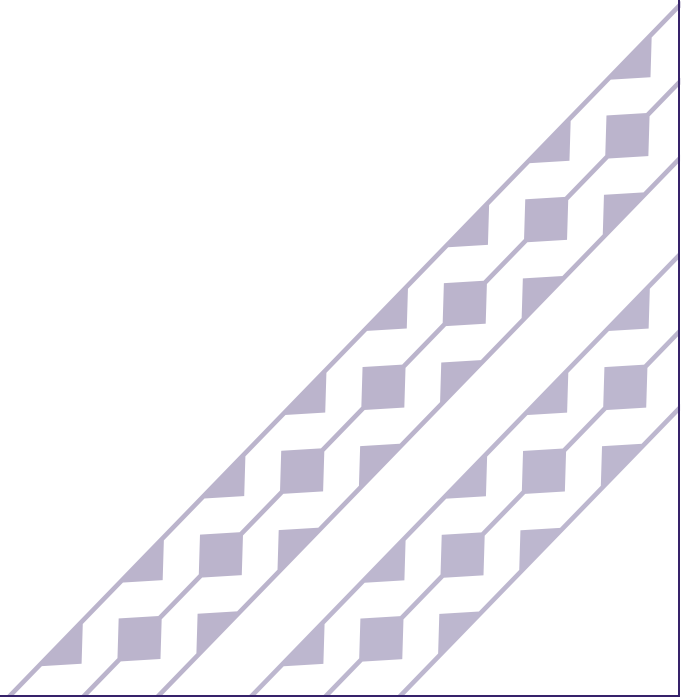
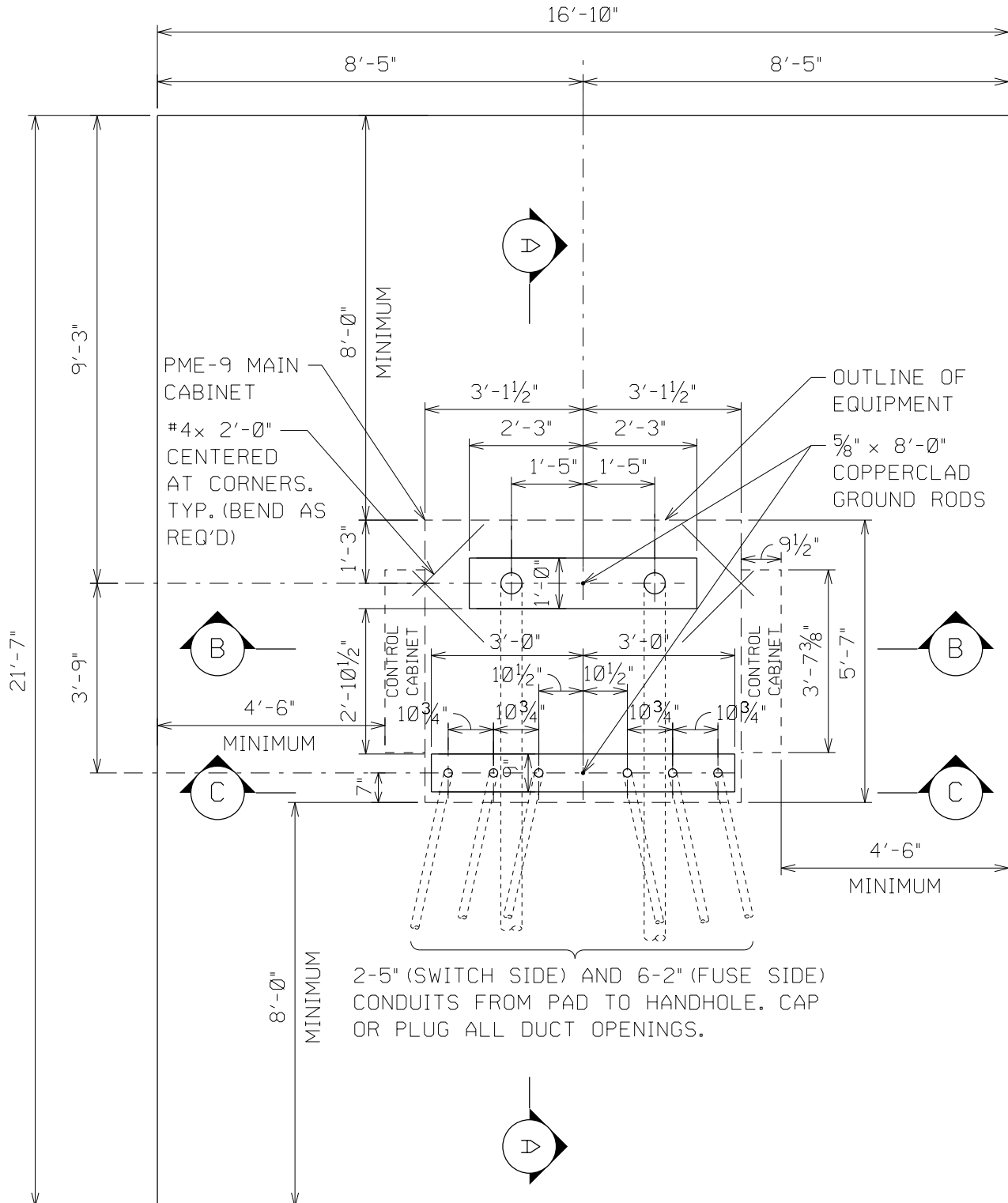




**Hawaiian  
Electric**

The information found in this document are general guidelines that may be used to aid in the preparation of your service request proposal. Please be advised that depending on the specific needs and actual conditions of your project, Hawaiian Electric may require your design to comply with different specifications including specifications that include more stringent requirements than those included in these design specification guidelines. For further guidance and clarification on the actual specifications that will apply to your particular project, please refer to instructions issued by Hawaiian Electric's Planner or Engineer who is assigned to your particular (Project/Review Request/...). Additionally, please be advised that Hawaiian Electric reserves the right to require additional modifications to any approved design if it is determined during actual construction that additional modifications must be made to address certain field conditions that were not detected or Hawaiian Electric was unaware of during the design review process.





PME-9 MAIN CABINET  
 #4 x 2'-0"  
 CENTERED  
 AT CORNERS.  
 TYP. (BEND AS  
 REQ'D)

OUTLINE OF  
 EQUIPMENT  
 5/8" x 8'-0"  
 COPPERCLAD  
 GROUND RODS

2-5" (SWITCH SIDE) AND 6-2" (FUSE SIDE)  
 CONDUITS FROM PAD TO HANDHOLE. CAP  
 OR PLUG ALL DUCT OPENINGS.

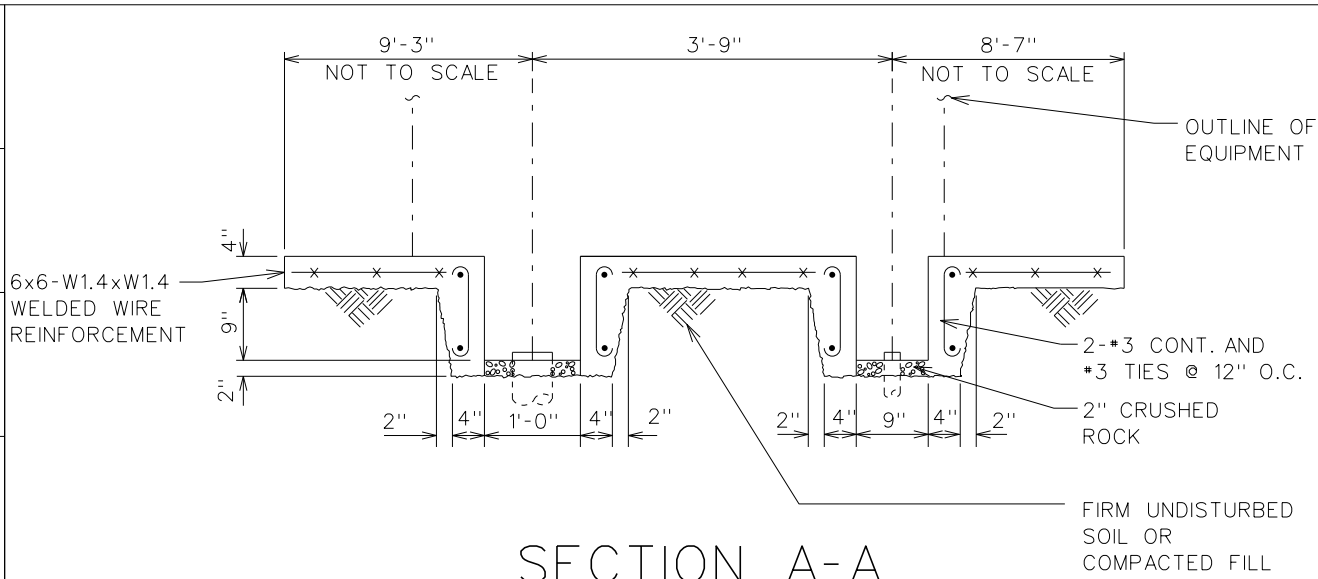
PLAN

DATE	07-21
INITIAL	DU

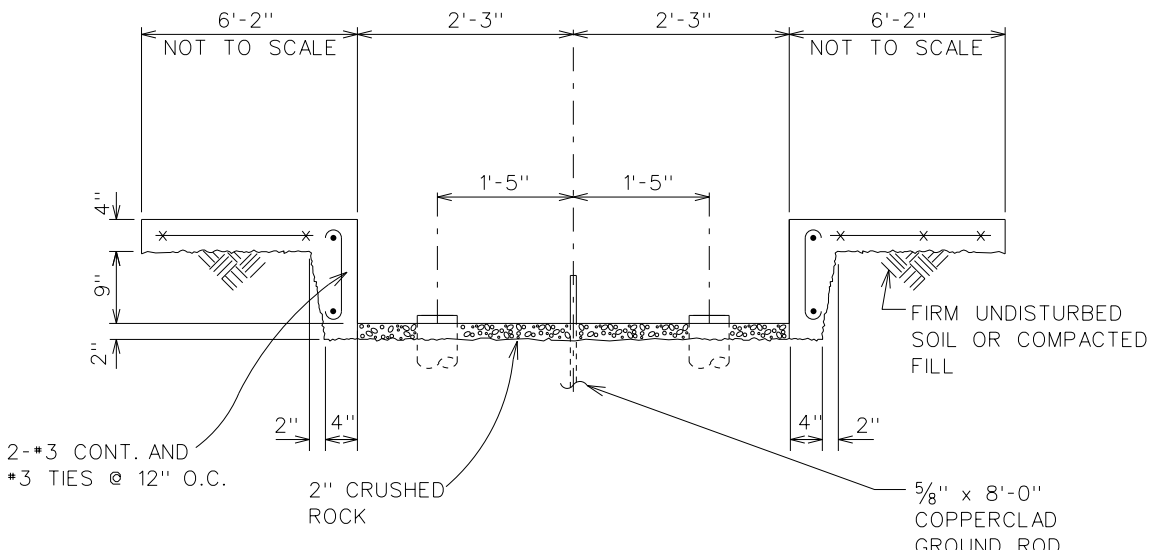
REVISION	
----------	--

SEE SHEET 3 FOR NOTES

DRAWN AP	DESIGNED HH RAN	APPD HH RAN WHH	REDRAWN
SUPERSEDES			ORIGINAL 03-15
ENGINEERING STANDARD HAWAIIAN ELECTRIC CO. INC.			30-5053
CONCRETE PAD INSTALLATION (WITHOUT SIDEWALK) PME-9 AUTO TRANS. SWGR. ENCLOSURE UG DUCTS & STRUCTURES 15KV			REV 1
			SHEET 1 of 3

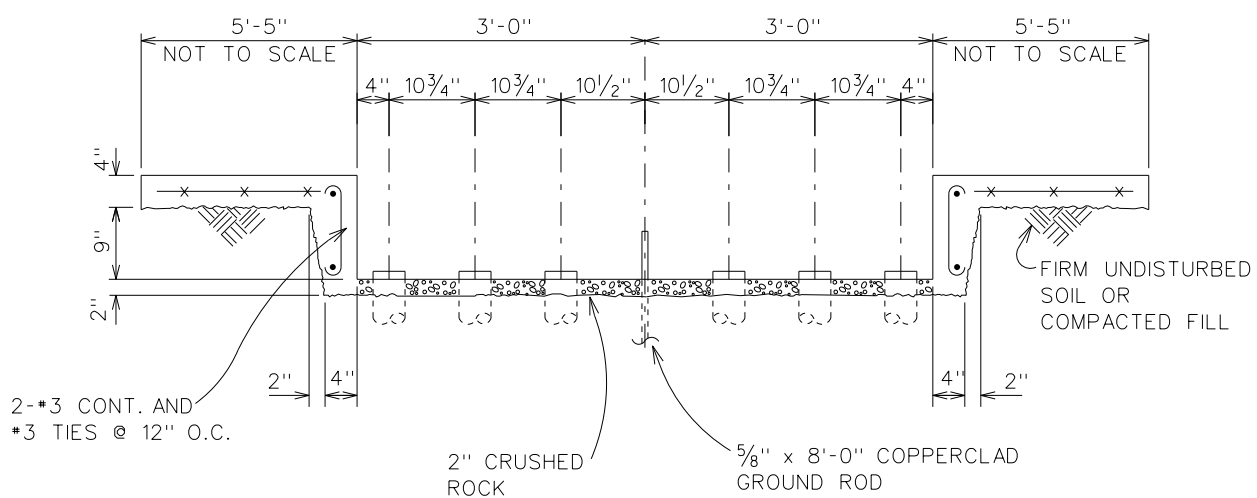


### SECTION A-A



### SECTION B-B

SEE SECTION A-A FOR DETAILS NOT SHOWN AND SPECIFIED



### SECTION C-C

SEE SECTION A-A FOR DETAILS NOT SHOWN AND SPECIFIED

DATE	07-21
INITIAL	DU
REVISION	

DRAWN	AP	DESIGNED	HH RAN	APPD	HH RAN	WHH	REDRAWN	
SUPERSEDES			CONCRETE PAD INSTALLATION (WITHOUT SIDEWALK)				ORIGINAL	Ø3-15
ENGINEERING STANDARD HAWAIIAN ELECTRIC CO. INC.			PME-9 AUTO TRANS. SWGR. ENCLOSURE UG DUCTS AND STRUCTURES 15KV				30-5053	REV 1
							SHEET	2 of 3

IP\_PWP:dms04781\pst305053\_02.dgn

dung

6-JUL-2021 10:13

# NOTES:

1. CONCRETE COMPRESSIVE STRENGTH: 3000 P.S.I. IN 28 DAYS.
2. REINFORCING: CLEAN AND NEW ROUND DEFORMED BARS AND 6x6-W1.4xW1.4 WELDED WIRED REINFORCEMENT. REINFORCING STEEL SHALL BE ASTM A615, GRADE 60.
3. TOP OF CONCRETE PAD TO BE SMOOTH AND TRUE. OTHER EXPOSED SURFACES TO BE SMOOTH AND FREE FROM DEFECTS. SIDEWALK FINISH AS PER CITY AND COUNTY SPECIFICATIONS.
4. CONSTRUCTION TO COMPLY WITH AMERICAN CONCRETE INSTITUTE (ACI 318) AS AMENDED.
5. WEIGHT OF SWITCHGEAR EQUALS 2650 POUNDS.
6. PAD COVERS ENTIRE EASEMENT/CLEARANCE AREA (21'-7" X 16'-10") (INCLUDES 8'-0" MINIMUM CLEARANCE IN FRONT AND BACK, AND 4'-6" MINIMUM CLEARANCE ON EACH SIDE OF PME-9)
7. THIS ASSUMES NO SIDEWALK IN FRONT OF PAD.
8. CONDUITS FOR FUSE SIDE ASSUME 1/C CABLES, IF 3/C CABLE USED, MAKE PROVISIONS FOR 2-5" CONDUIT INSTEAD (SEE FIGURE 1)

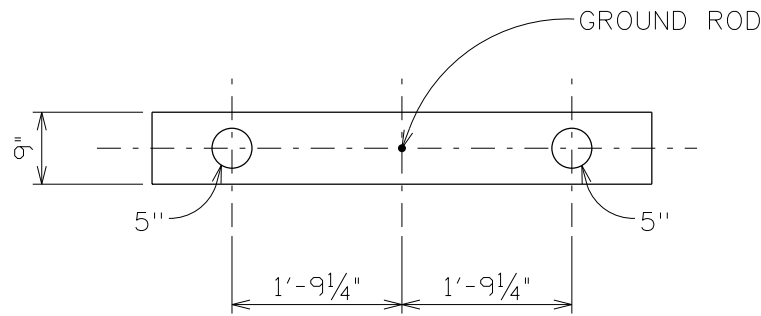


FIGURE 1.

DATE	07-21
INITIAL	DU HH WH

REVISION	
----------	--

DRAWN	AP	DESIGNED	HH RAN	APPD	HH RAN WHH	REDRAWN	
SUPERSEDES				CONCRETE PAD INSTALLATION (WITHOUT SIDEWALK)		ORIGINAL Ø3-15	
ENGINEERING STANDARD HAWAIIAN ELECTRIC CO. INC.				PME-9 AUTO TRANS. SWGR. ENCLOSURE UG DUCTS AND STRUCTURES 15KV		30-5053	
						REV	2
						SHEET	3 of 3