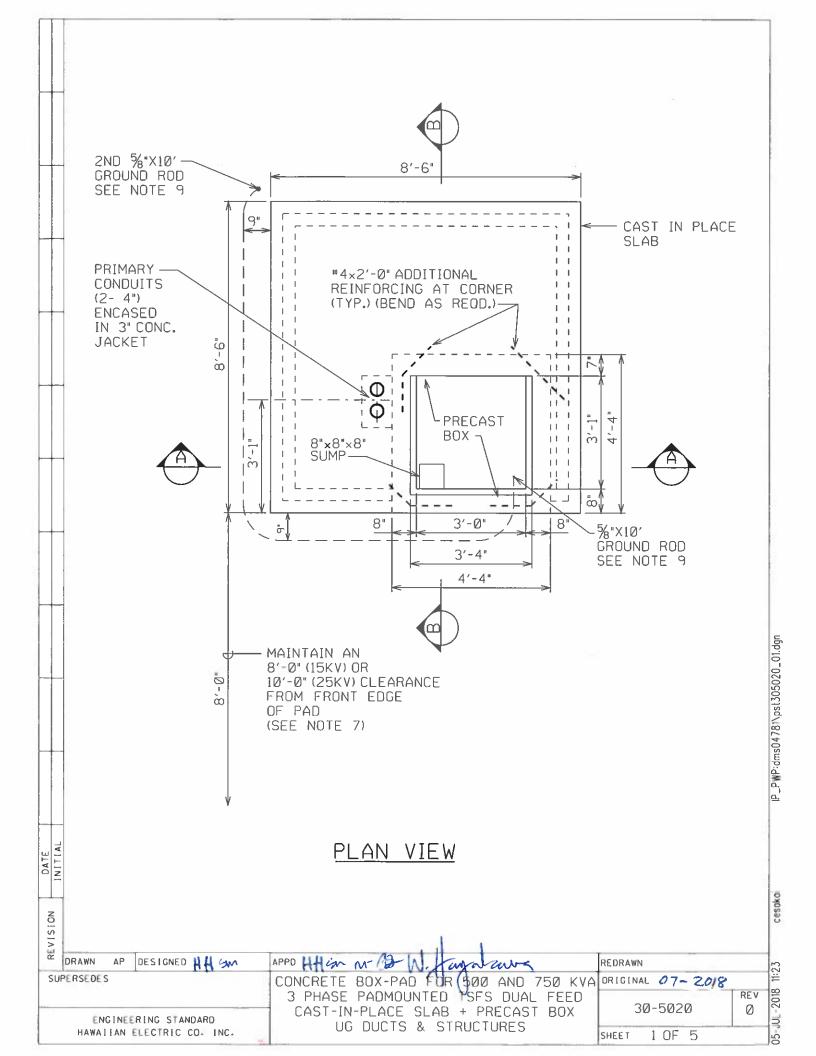
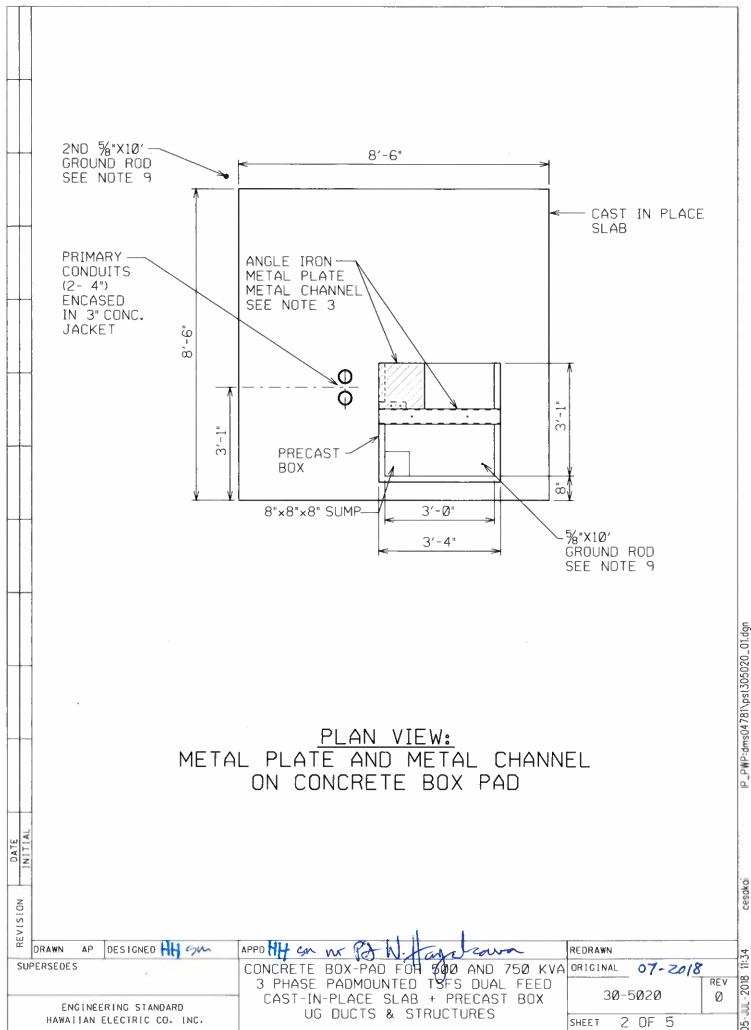


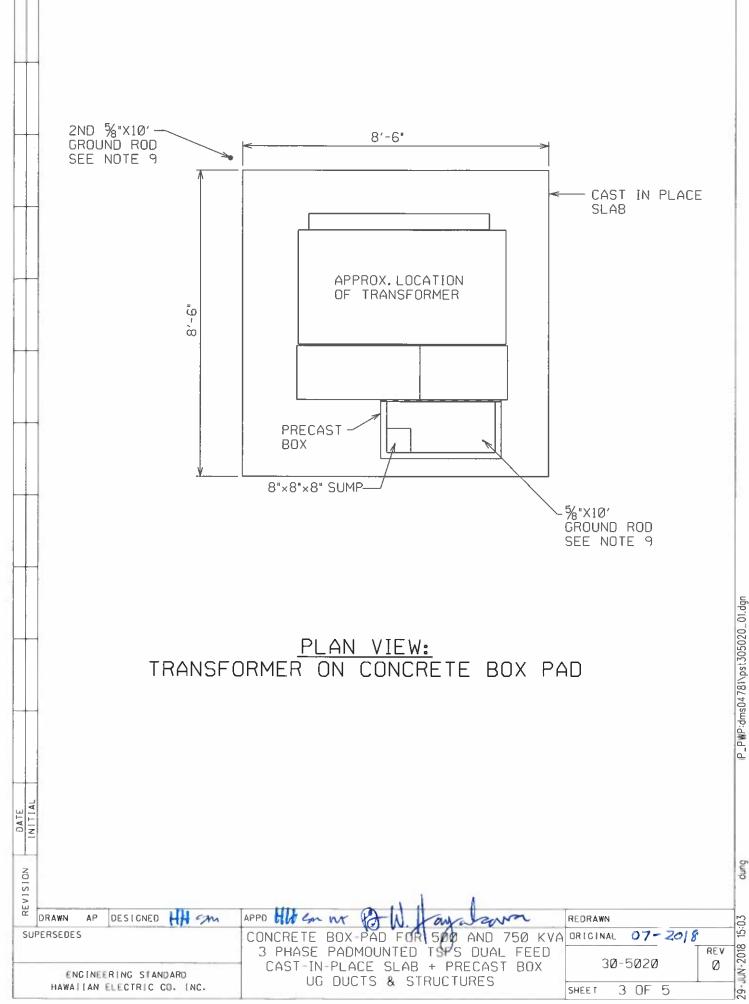
The information found in this document are general guidelines that may be used to aid in the preparation of your service request proposal. Please be advised that depending on the specific needs and actual conditions of your project, Hawaiian Electric may require your design to comply with different specifications 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.

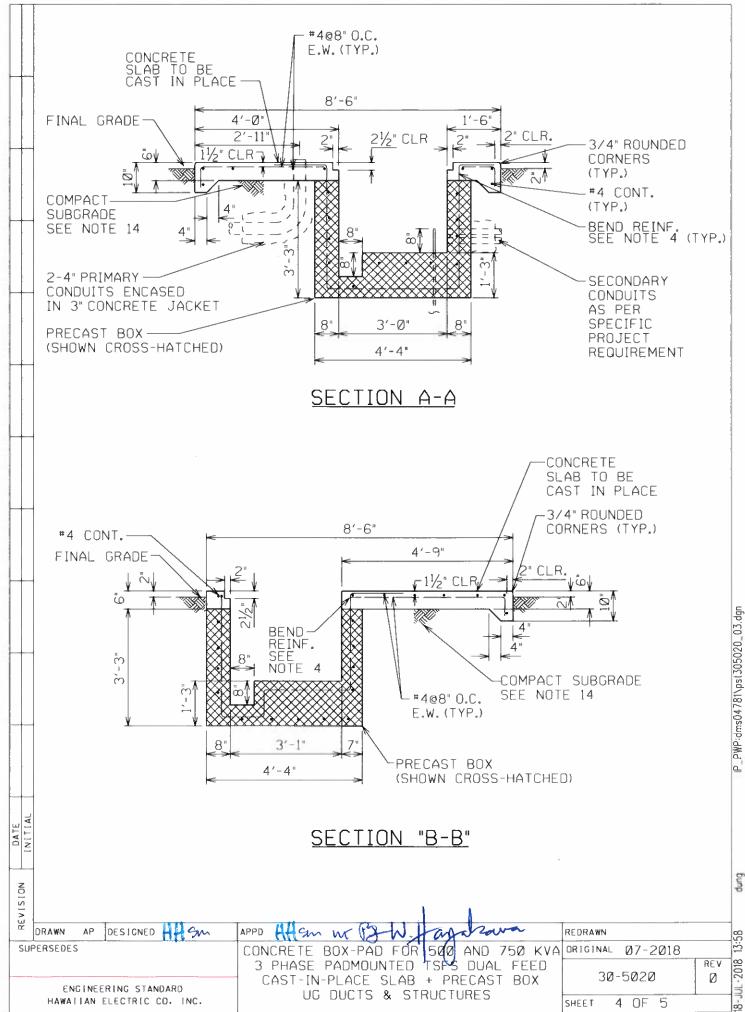




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i n	- T					_		
		NOT	ËS					
		1.	THIS DESIGN IS FOR	PRECAST BOX + CAS	T-IN-PLACE SLA	в.		
-	-	2.	PRECAST BOX AND HA 101028, REV.1 TYPE S BY HECO APPROVED F	W REMOVABLE CONCRE	HECO UG STD.30 ETE COVER)WILL	0-5023 4 BE PRO	ND HECO DRAWING	
		3.	c.5" WIDE CHANNEL	STD 30-5024):	× 7" LONG AND : 2 ANGLE IRONS !	2-1/2 × WELDED	2-1/2 x 1/4 x 9"	.ONG
-		4.	CONCRETE SLAB TO E THE CAST-IN-PLACE S DOWN INTO SLAB.	3E CAST-IN-PLACE.TO SLAB, BEND PRECAST	CONNECT THE F BOX VERTICAL W	PRECAST VALL REI	BOX TO NFORCEMENT	
-		5.	ALL ANCHORS SHALL (OR APPROVED EQUIVA L2-1/2 × 2-1/2 × 1/- (CONTRACTOR TO SUP	ALENT), THE ANCHORS 4 × 7"LONG ANGLE IF	ARE INTENDED	TO ANCH	√EDGE ANCHORS OR THE	
		6.	ALL BOLTS SHALL BE (CONTRACTOR TO SUP	E 3/8" DIAMETER PER PLY BOLTS)	ASTM A307 AND	HOT DI	PPED GALVANIZED.	
ŀ	+	7.	REFER TO STD.30-50	00 FOR LOCATIONS A	ND CLEARANCES.	•		
		8.	REFER TO STD 22-20	05 FOR 3 PHASE PAD	MOUNTED TRAN	ISFORMER	REQUIREMENTS.	
		9.	5/8" DIAMETER X 10'- HECO AND INSTALLED INSTALL ADDITIONAL CONNECT 4/0 BARE C A MINIMUM OF 6'-0" S A SECOND GROUND RC THAN 67 OHM-METERS BELOW FINAL GRADE.	BY CUSTOMER.IF GR 5/8" DIAMETER X 10'- COPPER GROUND WIRE SHALL BE MAINTAINED D WILL PROBABLY BE S. FOR SECOND GROUN	OUND RESISTANC 0"GROUND ROD BETWEEN GROUN BETWEEN THE I REQUIRED WHEN	CE IS MO AND ID RODS. DRIVEN (N SOIL F	RE THAN 25 OHMS GROUND RODS. RESISTIVITY IS GEA	
		10.	CONCRETE: 3000 PSI C COMPOUND IN ACCORD CONCRETE COMPRESSI	ANCE WITH ASTM C30	9. DO NOT INST	ALL TRA	NSFORMER UNTIL	5000 04 dan
		11.	REINFORCING STEEL SHALL BE IN ACCORDANCE WITH ASTM A615, GRADE 60					
-		12.	LOCATE, SECURE AND TO BE SMOOTH AND T CITY AND COUNTY SPI	RUE WOOD FLOAT FIN	NISH. FREE OF D	EFECTS	AS PER APPLICABL	며 PWP:rime()478().net305()20_04.400
-		13.	MAINTAIN RELATIVELY LEVEL MINIMUM CLEARANCE OF 2'-6"FROM SIDES OF PAD AND 2'-0"FROM BACK OF PAD, AND 8'-0"IN FRONT OF PAD. EXTEND CONCRETE PAD AN ADDITIONAL 8'-0"IN FRONT IF LOCATED IN PLANTING AREA.					1 d
0ATF	INITIAL	14.	COMPACT SUBGRADE T	0 95% COMPACTION I	N ACCORDANCE V	WITH AST	M D1557.	
	REVISION							Cesoko
ļ		ORAWN ERSEDES	AP DESIGNED HHSM	APPO HAG SM WY RS	W. Jayura		REDRAWN	15:33
				CONCRETE BOX-PAD 3 PHASE PADMOUN	TED ISFS DUAL	FEED		· · ·
ENGINEERING STANDARD HAWAIIAN ELECTRIC CD. INC.				CAST-IN-PLACE S UG DUCTS 8	LAB + PRECAST STRUCTURES	BOX	30-5020 Sheet 5 OF 5	REV 8102- 0-5018