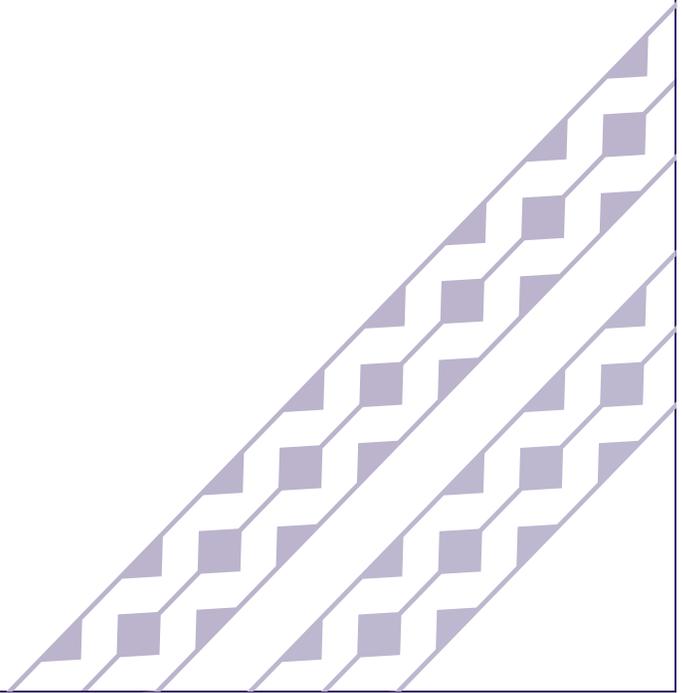




**Hawaiian  
Electric**

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.



SEAL OPENING OF CONDUIT WITH DUCT SEALING COMPOUND, CODE 124040/13155, AFTER INSTALLING CABLES.

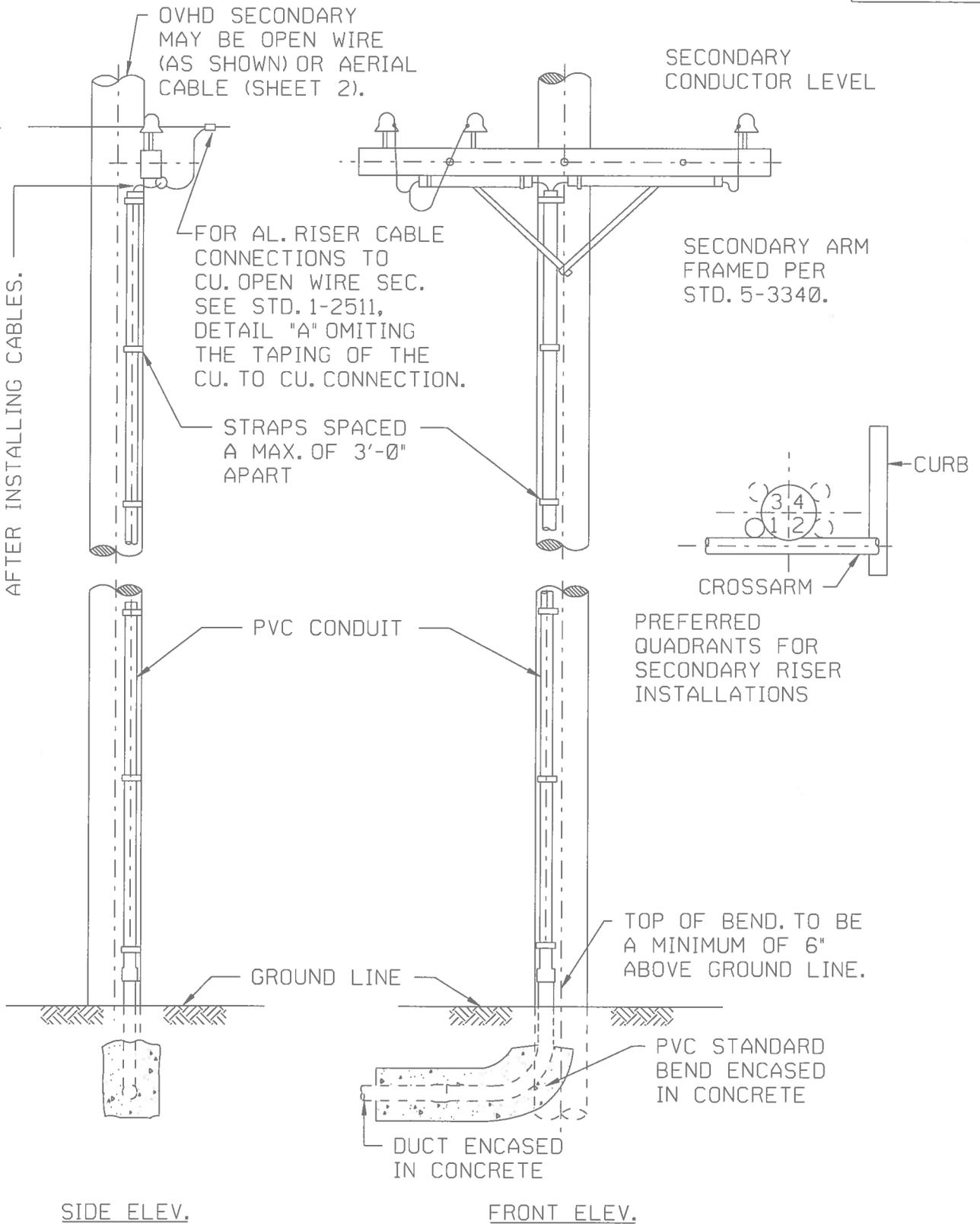


FIGURE 1  
COMMERCIAL AREAS

REVISION	DATE INITIAL	7-16-65 MKD	1-5-66 AGH	10-3-69 JAR RDL	9-14-70 TN RDL	8-5-71 JAR RDL	7-3-79 GKO TN	2-26-87 RM TN	11-05 CT MM	09-08 CT MM	
DRAWN TH II		DESIGNED RM		APPD MKD TN JAR JRZ CHW		REDRAWN MARCH 1998		ORIGINAL APRIL 1957			
SUPERSEDES				SECONDARY RISER CONSTRUCTION 0-750 VOLTS				29-1001		REV 9	
ENGINEERING STANDARD HAWAIIAN ELECTRIC CO. INC.				SHEET 1 OF 3							

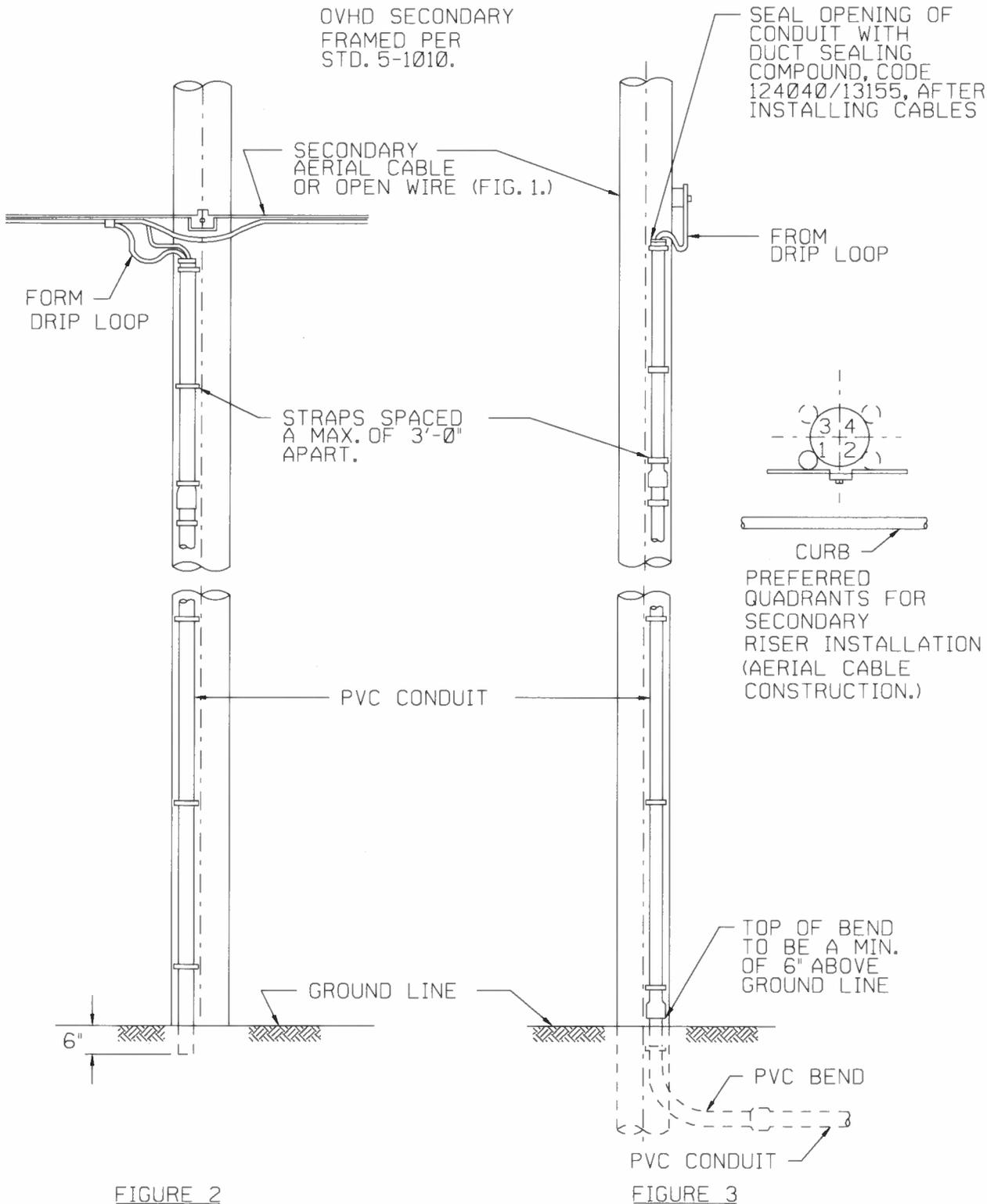


FIGURE 2

FIGURE 3

RESIDENTIAL AREAS

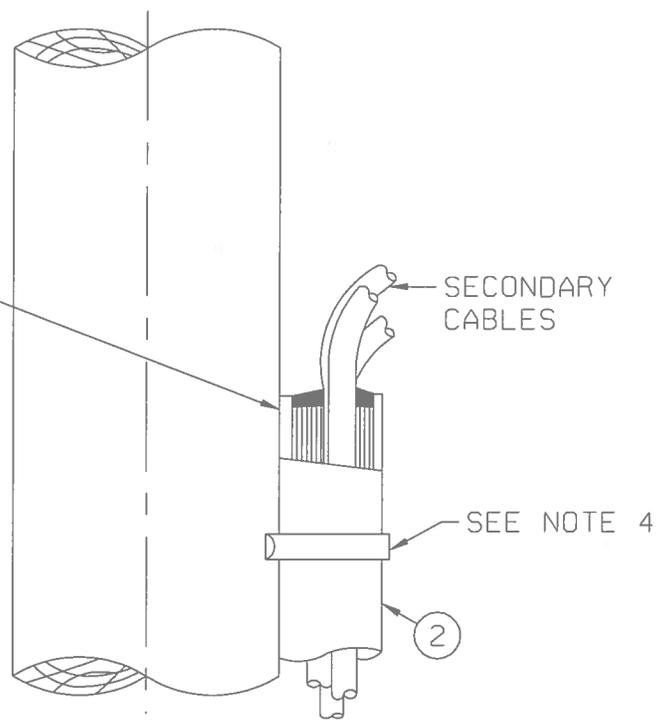
REVISION	DATE	INITIAL	7-16-65	MKD	1-5-66	AGH	9-14-70	TN	8-5-71	JAR	7-3-79	GKO	11-05	CT	MM	08-08	CT	MM
DRAWN TH II			DESIGNED	RM	APPD	MKD	TN	JAR	JRZ	CHW	REDRAWN	MARCH 1998						
SUPERSEDES			SECONDARY RISER CONSTRUCTION										ORIGINAL	APRIL 1957				
ENGINEERING STANDARD			HAWAIIAN ELECTRIC CO. INC.										29-1001		REV	7		
													SHEET	2 OF 3				

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SEAL OPENING OF CONDUIT WITH DUCT SEALING COMPOUND, CODE 124040/13155, AFTER INSTALLING CABLES.



DETAILS AT TOP OF RISER

MATERIAL LIST

ITEM	QUANTITY		CODE NO.	DESCRIPTION
	FIG.1 & 3	FIG.2		
1.	1	—	AS SPEC'D.	BAND, PVC, SAME SIZE AS ITEM 2.
2.	3	3	AS SPEC'D.	CONDUIT, PVC, BELLED END, (STD 30-1001)

NOTES:

- WHERE BENDS WHICH ARE LARGER THAN 3" ARE REQUIRED, INSTALL GALV. BENDS AS PER STD. 13-2001.
- FOR 2" PVC CONDUIT, SECURE WITH 2" GALV. PIPE STRAP, CODE 113563/6116 AND GALV. NAILS, CODE 127183/20070. FOR 3" PVC CONDUIT, SECURE WITH 3" GALV. PIPE STRAP, CODE 113605/6118 AND GALV. NAILS, CODE 127183/20070.

08-08	11-05	7-3-79	3-15-73	8-5-71	9-14-70	7-19-66	7-16-65	DATE	REVISION
CT	CT	GKO	JAR	JAR	TN	AGH	MKD	INITIAL	
MM	JS	TN	TN	RDL	RDL				

DRAWN	TH II	DESIGNED	WAH	APPD	MKD	TN	JAR	JRZ	CHW	REDRAWN	MARCH 1998
SUPERSEDES					SECONDARY RISER CONSTRUCTION					ORIGINAL	APRIL 1957
ENGINEERING STANDARD					0-750 VOLTS					29-1001	REV
HAWAIIAN ELECTRIC CO. INC.										8	
										SHEET 3 OF 3	

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