

**STANDARDS**

**PUBLIC UTILITY DISTRICT NO. 1**  
 Cowlitz County, Washington  
 981 12th Avenue  
 Longview, Washington





**CONSTRUCTION STANDARDS**  
**THREE-PHASE UNDERGROUND PRIMARY**  
**6' x 12' MODULE VAULT**

Designed	Checked	Standards Approved
G. Reyes	M. Demos	

REV	DATE	DESCRIPTION
0	9/8/25	Initial release
1	10/14/25	Mat list/AU updates

Std/Dwg No. **6-110 (1/2)**

TEM	QTY	ITEM #	MATERIAL DESCRIPTION	AU #	Notes:
1	1	585119	Concrete vault, base and middle only, 6' x 12' x 6'-8" interior	960116	<p>A. For other conduit orientations, adjust cable support arms as necessary.</p> <p>B. The cable should be routed so that it makes a full loop around the vault on either side of the modules.</p> <p>C. Set vault so that the top of the lid sits 2" - 6" above final grade.</p> <p>D. Bond neutral to vault ground.</p>
2	3	585822	Module 4-way, 600 amp		
3	6	815110	Cable support stanchion, mounting bracket		
4	18	815115	Cable support arm, 15", 350lb max		
5	18	815116	Cross pin w/ cotter pin, for cable support arm		
6	12'	606209	4/0, soft-drawn, stranded, bare copper wire		
7	1	155150	Grounding insert, bronze, 1/2" stud, #3 - 4/0 str		
8	13	155160	Fargo connector, bronze, 4/0		
9	18	815011	Spring nut, 1-1/2" channel depth, 1/2" hole		
10	18	801510	Lock washer, 1/2", SS		
11	18	801535	Hex head bolt, 1/2" x 1-1/2", SS		
12	24	808657	Cable tie, black, heavy duty, 1/2" x 19"		
13	1	585117	Vault lid, 3-door, 12'-8" x 6'-8" x 1'-6"		
14	6	444164	Coupler Reducer 4" to 6" PVC		
15	5	606170	#2, soft-drawn, stranded, bare copper wire		
16	6	585834	Elbow, 600A, 4/0	963124	
		585831	Elbow, 600A, 350 MCM	963121	
		585836	Elbow, 600A, 750 MCM	963122	
		585842	Elbow, 600A, 1000 MCM, cold shrink	963128	

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