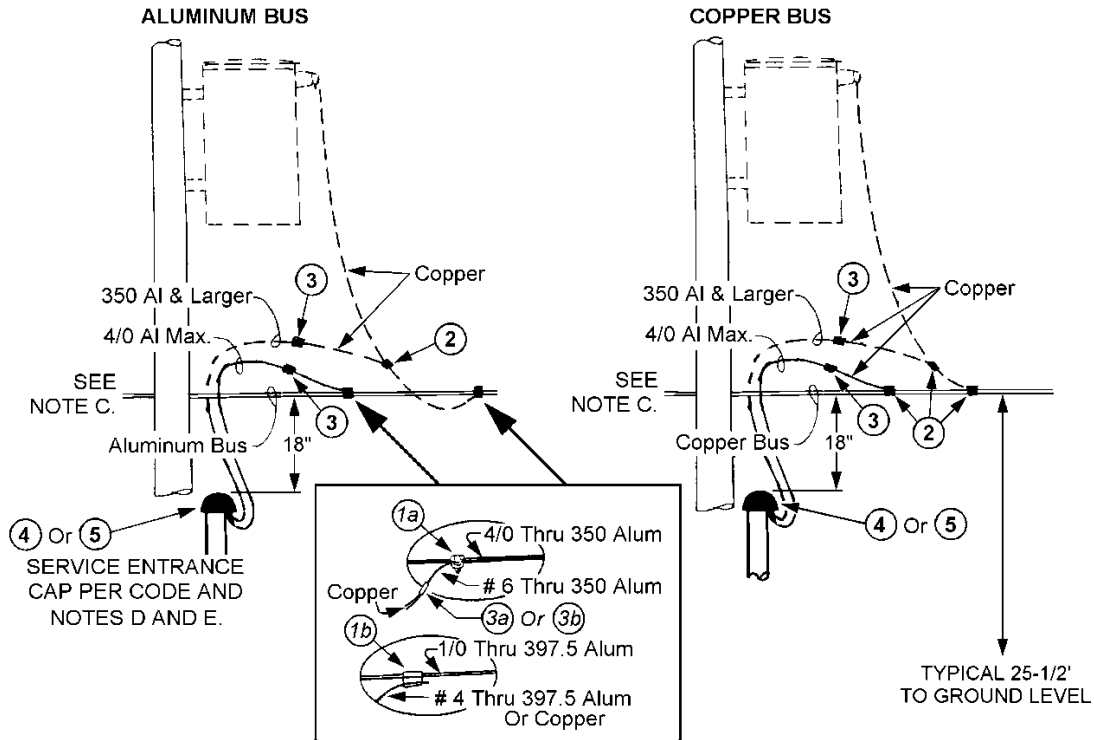


Pole Termination, 600 Volt Underground to Overhead



1. Notes

- A. Conduit shall be installed 18 inches below secondary bus and clear telephone by 42 inches.
- B. Tape all connections with plastic tape or apply heat shrink sleeves. Tape with a minimum of three layers of plastic electrical tape (Stock No. 736655). Heat shrink tubing may be used in place of plastic tape for straight splices only. See Section 3.
- C. Seattle City Light shall make all connections of service wire to secondary bus on pole.
- D. Use service entrance cap only on three-inch and smaller continuous conduit services where water could get into customer's switchgear.
- E. For continuous conduit services 3-1/2 inches and larger, seal the conduit entrance. Direct exposure to sunlight will cause deterioration of the polyurethane filler foam if used to seal entrance. Such deterioration effects can be prevented with a coat of exterior-grade paint.
- F. Generally, the copper cable between the aluminum cable and the copper bus will be the same size as the aluminum cable. However, it is permissible to reduce the copper one size.

Standards Coordinator
 Robin Byun

Standards Supervisor
 John Shipek

Unit Director
 Darnell Cola

Robin Byun

John Shipek

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2. Material List

Item	Description	Cable Size and Die	Stock No.
1a	TAP, two bolt, aluminum	4/0 - 350 to #6-350	651132
1b	TAP, Ampact	See Construction Guideline D14-1 for sizes and ranges	651090 to 651107
2	TAP, two bolt, copper	2/0 to #10 - 2/0	669379
		1/0 - 4/0 to #10 - 4/0	669380
		250 - 350 to #10 - 350	669381
		400 - 500 to #10 - 500	669382
		400 - 800 to 3/0 to 800	669383
3a	SPLICE, straight, Al-Cu, Versa Crimp	#10 - 1/0	650100
		#8 - 2/0	650102
		#4 - 4/0	650104
		2/0 - 350	650106
		4/0 to 500	650138
3b	SPLICE, straight, Al-Cu	#4 - 4/0 to #4 - 4/0 VC6	650104
		350 - 350 U31 ART	650609
		500 - 500 U34 ART	650611
		750 - 750 U39 ART	650613
		500 - 350 (reducing) U34 ART	650591
4	CAP, service entrance, 1/2" to 3"	750 - 500 (reducing) U39 ART	650593
			731425 to 731431

3. Heat-shrink Tubing (SCL 7374.75)



Cable Size, AWG / kcmil	Connectors		Tubing			
	Cu	Al	ID (in)		Length (in)	Stock No.
			Min. Expanded	Max. Recovered		
1/0-4/0	0.51 – 0.69	0.906	1.10	0.37	9	737450
250-500	0.75 – 1.06	1.125 – 1.32	1.50	0.50	12	737452
750	–	1.59	2.00	0.75	12	737455

See Note B on the first page of this standard.