

OVERHEAD TRANSFORMER GROUND CLAMP



1. Scope

This standard covers the requirements for overhead transformer ground clamps.

This standard applies to Seattle City Light stock number 676200.

2. Application

Overhead transformer ground clamps are used to replace damaged ground clamps on transformers that are returned from the field. Two ground clamps are supplied by the manufacturer on each new overhead transformer. One ground clamp is installed in the low-voltage ground provision located below the X2 bushing. A second ground clamp is installed in the tank ground provision. See Figure 2.

Figure 2 Overhead Transformer Ground Clamp Locations



3. Attributes

Stud threads	NC 1/2-13
Stud length, nominal	7/16 in
Copper cable range	#8 solid – 2/0 stranded
Casting and eyebolt material	Bronze alloy
Hardware material	Silicon bronze or stainless steel

4. Issuance

EA

5. Approved Manufacturers

Manufacturer	Part Number
CMC	TGC2
Penn Union	HGSE-020-SBH

6. References

Hanson, Brett; SCL Standards Engineer, originator of Material Standard 6762.10 (brett.hanson@seattle.gov)

SCL 4150.00; "Overhead-type, Single-Phase, Natural Ester Fluid Distribution Transformer;" Material Standard

standards coordinator	standards supervisor	unit director
 Brett Hanson	 John Shipek	 Darnell Cola