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T & D MATERIAL SPECIFICATION

JPS Specification #: S37449-2021	Date: August 18, 2021
Item Stock: 020803022010	Supersedes: JPS Spec. No.: S37449-2018

Description: POLE TOP INSULATOR BRACKET

Application: For mounting 35 kV Post Insulator to Wood or Concrete Pole.

SPECIFICATION

Bracket shall be used for mounting 35kV post insulators. Bracket shall be manufactured from high strength 6061-T6 aluminum alloy minimum 1/4" thick. Top plate welded together to form a complete unit. Bracket shall be manufactured with a ground clamp having terminal suitable for facilitating copper conductors ranging from #6 to #2AWG.

The top plate shall have a diameter sufficient to support an insulator with a base diameter of 100 mm. (4"). The bracket shall be drilled to provide two 17.5 mm. (11/16") diameter mounting holes with a spacing of 254 mm. (10"). The lower hole should be slotted to yield a tolerance of ± 6 mm (1/4") in the mounting hole spacing.

The top plate shall be drilled to provide an insulator-mounting hole with a diameter of 20.6 mm (13/16"). The bracket shall be supplied assembled, complete with ground lugs. All hardware provided shall be stainless steel or hot dipped galvanized.

Bracket shall be manufactured according to present day manufacturing process and shall meet relevant ANSI and ASTM standards.

Maximum Loading: Post silicone rubber insulator weighing 11 pounds, section length 18 inches, with 394.5 KCM AAAC conductor. Wind loading of 22 pounds per square foot.

The Pole Top Bracket shall have dimensions as per figure 1 below.

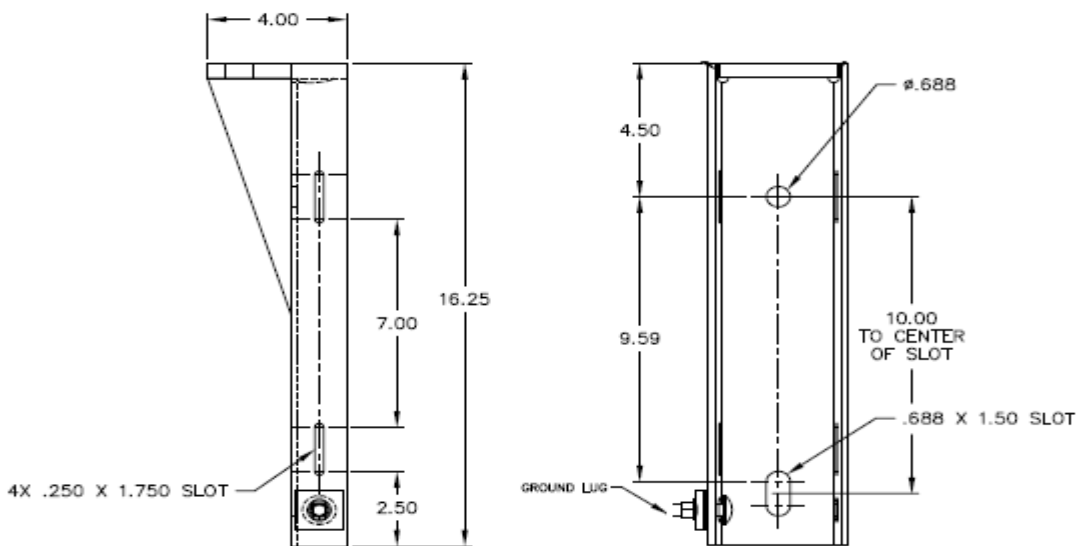
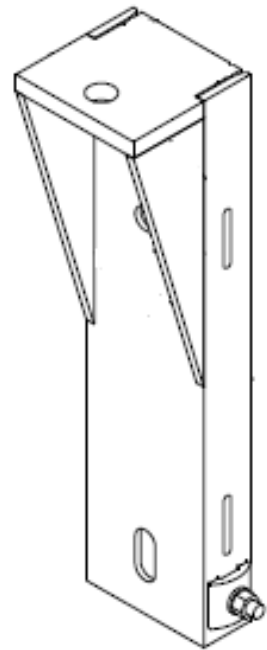


Figure 1: Sketch of Pole Top Bracket

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