

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

606, 607, 608 Signing

607 Perforated Square Sign Posts (Single)

ADOT Standard Specification: 607

ADOT Standard Drawing: S-3 (1 of 16), additional notes in S-3 series

Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Fabrication	607-2.03	Single and telescoping perforated posts shall be square tube fabricated from galvanized sheet steel.		
Thickness	607-2.03	The sheet steel shall have a thickness of 0.105 inches (12 gauge) or 0.135 inches (10 gauge) as required by the project specifications.		
Sheet Steel Type	607-2.03	Sheet steel shall conform to the requirements of ASTM A653 for either SQ Grade 40 or SQ Grade 50 Class 1.		
Sheet Steel Galvanization	607-2.03	Sheet steel shall be galvanized in accordance with the requirements of Coating Designation G-90.		
Wall Thickness	607-2.03	The posts shall have a wall thickness, including coating, of 0.097 to 0.116 inches for 12 gauge.		
Welding Type	607-2.03	Posts shall be welded directly in the corner by high frequency resistance welding or equal.		
Scarfig	607-2.03	The outside edges of the posts shall be scarfed as necessary to produce a standard corner radii of $5/32 \pm 1/32$ inch.		
Scarfig / Re-Galvanization	607-2.03	External welded surfaces and scarfed areas shall be re-galvanized after fabrication.		
Hole Sizes	607-2.03	Holes $7/16 \pm 1/64$ inch in diameter shall be provided on 1-inch centers along all four sides over the entire length of the post.		

Hole Positioning	607-2.03	The holes shall be laterally centered on the longitudinal centerline of each face.		
Hole Positioning / Spacing	607-2.03	Hole positioning and spacing shall be the same on all four faces, such that the hole centerlines for each group of four holes shall pass through a common point on the longitudinal centerline of the tube.		
Finished Posts	607-2.03	The finished posts shall be straight and have a smooth, uniform finish.		
Hardware (if included)	607-2.03	Bolts shall conform to the requirements of SAE Specification J429, Grade 5, or ASTM A449, Type 1.		
Hardware (if included)	607-2.03	Nuts shall conform to the requirements of ASTM A563, Grade A.		
Hardware (if included)	607-2.03	Washers shall conform to the requirements of ASTM F844.		
Hardware (if included)	607-2.03	Bolts, nuts, and washers shall be zinc coated in accordance with the requirements of ASTM B633 or cadmium plated in accordance with the requirements of ASTM B766.		
Size: Type 2 S	S-3 (1 of 16)	2" x 2" 12 gauge perforated square tube post.		
Size: Type 2 ½ S	S-3 (1 of 16)	2 ½ " x 2 ½ " 12 gauge perforated square tube post.		