

## Evaluation Table

<b>PEP ID:</b>	XXXXX
<b>Manufacturer:</b>	Name of Manufacturer
<b>Product Name:</b>	Name of Product

606, 607, 608 Signing

607 Perforated Square Sign Posts (Telescoping)

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.		

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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.		
Telescoping Hole Alignment	607-2.03	For telescoping posts, holes shall be in proper alignment to allow 3/8-inch diameter bolts to pass through the entire post.		
Finished Posts	607-2.03	The finished posts shall be straight and have a smooth, uniform finish.		
Telescoping Requirement	607-2.03	All consecutive sizes of posts shall be freely telescoping for not less than 10 feet of their length without the necessity of matching any particular face to any other face.		
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 T	S-3 (1 of 16)	Telescoping assembly of a 1 3/4 " x 1 3/4 " 12 gauge square tube post inside a 2" x 2" 12 gauge perforated square tube post.		
Size: Type 2 1/2 T	S-3 (1 of 16)	Telescoping assembly of a 2 1/4 " x 2 1/4 " 12 gauge square tube post inside a 2 1/2 " x 2 1/2 " 12 gauge perforated square tube post.		