

COMMONWEALTH OF PENNSYLVANIA  
Department of Transportation

May 19, 1992

SPECIFICATION FOR MULTIPLE SIGNS MOUNTING STRINGERS

1. DESCRIPTION.

This specification covers the requirements for furnishing stringer posts for mounting multiple signs at a sign installation site.

2. GENERAL REQUIREMENTS.

Stringer shall conform to the typical shape, dimensions, and weight as indicated on the attached drawing.

3. MATERIAL REQUIREMENTS.

3.1 Stringer shall be rolled from standard carbon steel rails conforming to ASTM-A499 or shall be new billet steel equivalent, with a minimum yield strength of 60,000 psi and a minimum tensile strength of 90,000 psi.

3.2 Before holes are punched, the weight of the stringer shall be 1.12 pounds/foot. Permissible variation in weight is plus or minus 5 percent.

4. FABRICATION REQUIREMENTS.

4.1 Stringer shall have 3/8-inch diameter holes on 1-inch centers for the full length of the post, with the first hole one inch from the end. The bottom of the stringer post shall be level, without a point.

4.2 Stringer post length shall be 8 feet, with a tolerance of plus or minus one inch.

5. COATING REQUIREMENTS.

Coating shall conform to one of the following:

- o Green paint in accordance with ASTM G-53-84, Federal Color No. 595.14062.
- o Green polyester coating in accordance with current Department Specifications for Polyester Coating on Traffic Sign and Delineator Posts.

- o Hot-dipped galvanized, after fabrication, in accordance with ASTM-A123 as applicable.

6. PACKAGING REQUIREMENTS.

Stringers shall be banded together in bundles of 25 by use of at least two steel bands.



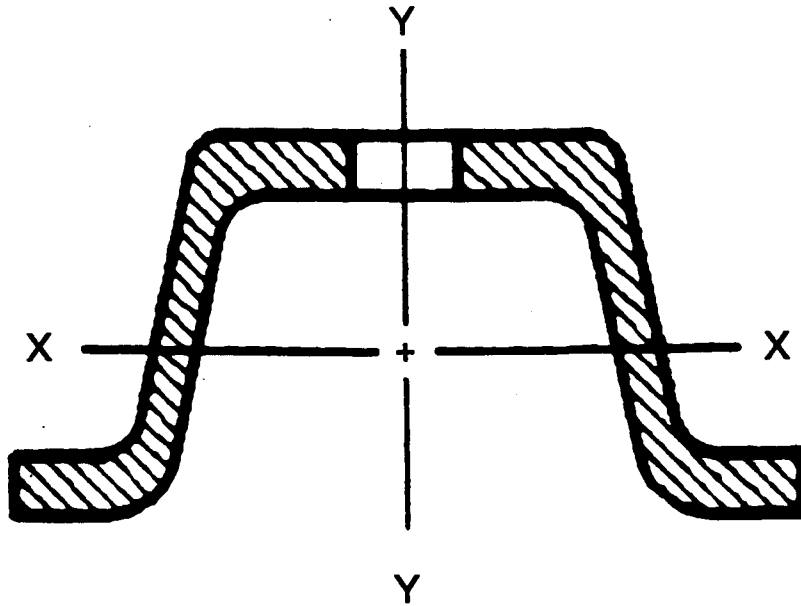
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Attachment

# MULTIPLE SIGNS MOUNTING STRINGER

## TYPICAL CROSS SECTION



NOMINAL WEIGHT - 1.12 lbs./ft. \*

NOMINAL SECTION MODULUS - 0.078 in.<sup>3</sup> (X-X Axis) \*

\* ± 5 %