



MATERIAL SPECIFICATIONS FOR SQUARE TUBULAR STEEL DELINEATOR POSTS

TABLE OF CONTENTS

2007.01	SCOPE
2007.02	REFERENCES
2007.03	Not Used
2007.04	Not Used
2007.05	MATERIALS
2007.05.01	Chemical Composition
.02	Physical Properties
2007.07	PRODUCTION
2007.07.01	General
.02	Galvanizing
2007.09	AUTHORITY PURCHASE OF MATERIAL BY PURCHASE ORDER
2007.09.01	Inspection and Testing
.02	Packaging and Delivery
.03	Measurement for Payment
.04	Basis of Payment
2007.10	DESIGNATED SOURCES REQUIREMENTS
2007.01	SCOPE

This specification covers the requirements for the supply of galvanized square tubular steel delineator posts.

2007.02 REFERENCES

This specification refers to the following standards, specifications or publications:

American Society for Testing and Materials (ASTM):

A36/A36M-88c Structural Steel

Canadian Standards Association (CSA):

G164-M1981 - Hot Dip Galvanizing of Irregularly Shaped Articles

2007.05 MATERIALS

2007.05.01 Chemical Composition

The posts shall be fabricated from rolled steel conforming to ASTM A36 and showing the following chemical composition:

Carbon Maximum	0.30 percent
Phosphorous Maximum	0.05 percent
Sulphur Maximum	0.063 percent

2007.05.02 Physical Properties

The rolled steel shall show the following physical properties:

Tensile Strength	400 to 552 MPa
Yield Point	minimum 248 MPa
Elongation in 200 mm	minimum 20 percent

2007.07 PRODUCTION

2007.07.01 General

The posts shall conform to the dimensional and fabrication details as specified in Figure 1. All seams shall be continuously welded prior to galvanizing.

2007.07.02 Galvanizing

The posts shall be galvanized both on the outside and on the inside. The galvanizing shall conform to the current specification of CSA G164 except that the weight of zinc coating shall be 550 g/m² min.

2007.09 AUTHORITY PURCHASE OF MATERIAL BY PURCHASE ORDER

2007.09.01 Inspection and Testing

Suppliers shall allow the Authority representative all facilities to satisfy him that the material furnished conforms to this specification. Posts supplied under this specification will be subject to inspection and testing following delivery. All posts failing to meet the specification requirement shall be rejected and expeditiously replaced at no cost to the Authority.

2007.09.02 Packaging and Delivery

The tubular steel delineator posts shall be packaged in securely tied bundles of twenty-five by steel banding at approximately 150 mm from each end.

Delivery schedules and location shall be as specified in the contract.

2007.09.03 Measurement for Payment

The unit of measurement is by each post.

2007.09.04 Basis of Payment

Payment at the contract price for tubular steel delineator posts shall be full compensation for supplying the posts as herein specified and for all costs of transporting them as and where specified in the contract.

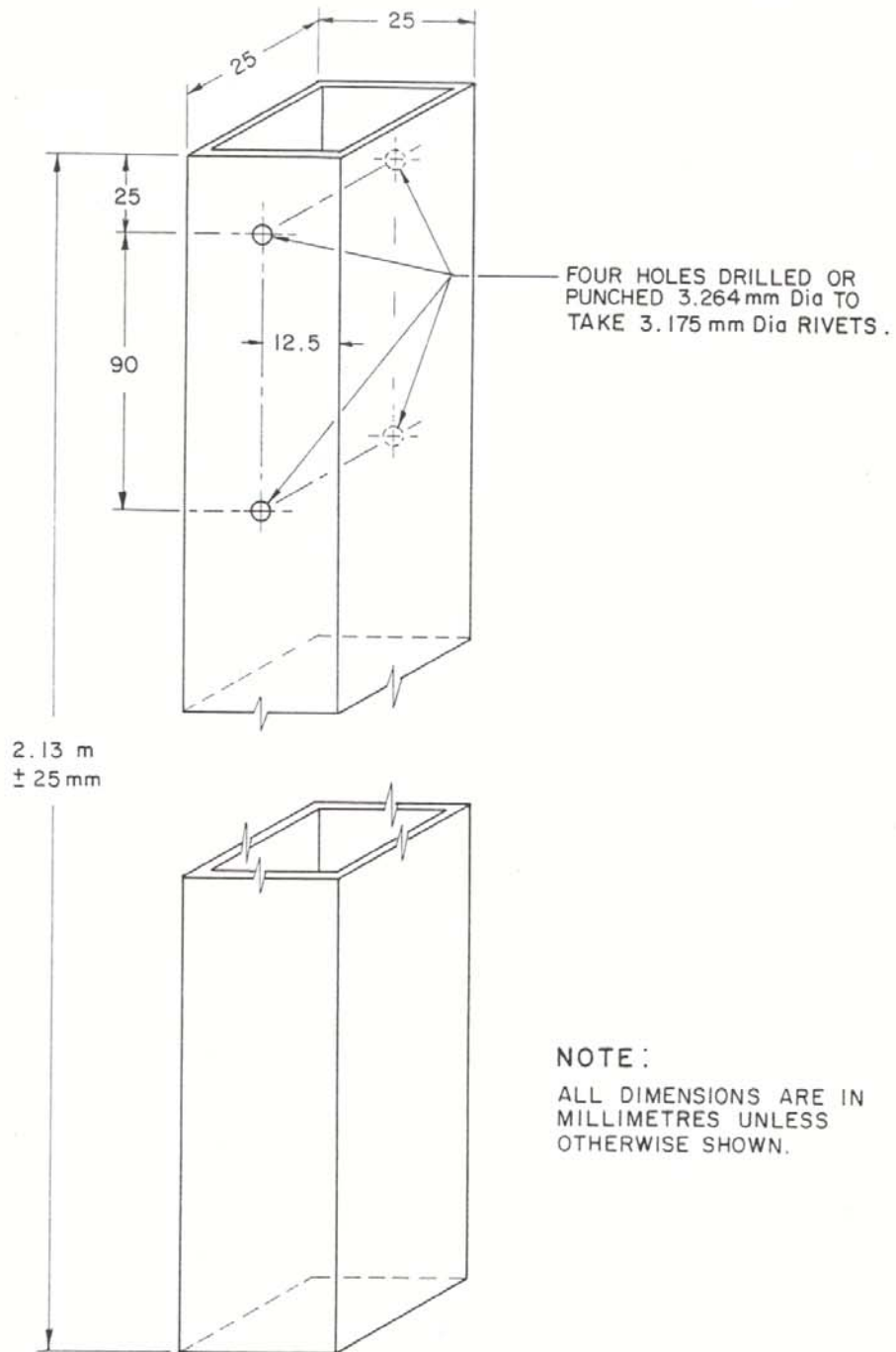
2007.10 DESIGNATED SOURCES REQUIREMENTS

Where a manufacturer or supplier wishes to be considered for inclusion in the List of Designated Sources for Materials, he shall conform to the requirements of this specification.

Approval of the Manufacturer's plant shall be based on the acceptability of the constituent materials, the degree of production control, and testing of the finished product.

For continued approval, the manufacturer shall not change materials type or sources, production methods, or design of unit, without the prior knowledge of the Authority.

2007 - 4



25x25 x Min 2.11 mm GALVANIZED SQ TUBING

N.T.S.

FIG. I