



**MATERIAL SPECIFICATION FOR
STEEL TRUSS BRACKETS**

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2426.01 SCOPE

This specification covers the requirements for steel truss brackets for use with spun concrete poles and metal poles and associated hardware.

2426.02 REFERENCES

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

CSA Standards

G40.21-13	Structural Quality Steels
G164-M92 (R2003)	Hot Dip Galvanizing of Irregularly Shaped Articles
W59-13	Welded Steel Construction (Metal Arc Welding)

ASTM International

A 53/A 53M-12	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
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2426.05 MATERIALS

2426.05.01 Brackets

Brackets shall be fabricated from Schedule 40 steel pipe and according to ASTM A 53, Grade B.

2426.05.02 Steel Bracket Clamp Plates

Steel shall be according to CSA G40.21, Grade 38WT.

2426.07 PRODUCTION

2426.07.01 General

Steel truss brackets shall be fabricated according to the Contract Documents.

All welding shall be continuous and according to CSA W59.

When fabricating the steel truss bracket, the manufacturer shall make provision between members to ensure good internal flow and adequate drainage during the process of hot dip galvanizing the assembled steel truss bracket. Hot dip galvanizing shall be according to CAN/CSA G164.

Galvanized steel bracket mounting plates shall be supplied complete with stainless steel hardware and two fabricated galvanized steel bracket clamp plates according to the Contract Documents.

A galvanized steel or aluminum end cap shall be fastened on the end of the lower member.

2426.07.02 Marking

Each steel truss bracket shall have identification markings in a visible location indicating the following:

- a) Manufacturer's name or trademark.
- b) Bracket length.
- c) Date of manufacture.
- d) Designation OPSS 2426.

Identification markings shall be embossed on the steel truss bracket or on a corrosion-resistant metal plate securely attached to the steel truss bracket.

2426.07.03 Packaging and Shipment

Each steel truss bracket shall be shipped complete with mounting hardware, suitably packaged to ensure that all parts are delivered as a complete unit. A complete parts list shall be included in the shipment.

2426.08 QUALITY ASSURANCE

2426.08.01 Inspection

All steel truss brackets are subject to an inspection by the Contract Administrator prior to shipment.