

ITEM 458

HARDWARE FOR HEAVY TIMBER CONSTRUCTION

458.1 Description. This specification shall govern for the furnishing of hardware for timber construction.

458.2 Materials. Machine bolts, drift bolts, dowels, etc., shall be galvanized wrought iron or galvanized steel with square heads and hex nuts. Bolts shall be the requirements of the latest edition of ASTM Specification A307. Size shall be as shown on the plans.

Wire nails and spikes shall be galvanized steel, circular cross-section without taper with head and point and of good quality. Size shall be as shown on the plans.

Boat spikes shall be galvanized steel or galvanized wrought iron with forged heads and wedge-shaped points of the size shown on the plans.

Tie rods shall meet the requirements of the latest edition of ASTM Specification A36.

Cast Iron washers shall be the "O-gee" type of thickness equal to the diameter of the bolt. The diameter of the washer shall be four times the diameter of the bolt.

Plate washers shall be galvanized with square sides equal to the four times the diameter of the bolt. The thickness shall equal one-half the diameter of the bolt.

All hardware, with the exception of tie rods and cast iron washers shall be galvanized, in accordance with the requirements of the latest edition of ASTM A123, A153, or A386, as applicable.

Protective coatings for tie rods shall be as follows:

- A. Remove loose rust and scale, dust or dirt prior to priming. Remove oil and grease with suitable solvent.
- B. Apply TC primecoat by brush or spray at a rate of 400-square feet per gallon. Let primer dry to tacky consistency before applying finish coat. As a finish coat, apply Tapecoat-20, hot applied, in accordance with the manufacturer's recommendations.

There are line code(s), description(s), and unit(s) for this item.

END OF ITEM 458