

PART 1 - GENERAL

- 1.1 RELATED SECTIONS
- .1 Section 01 74 21 - Construction/Demolition Waste Management and Disposal
 - .2 Section 05 50 00 - Metal Fabrications
- 1.2 REFERENCES
- .1 Canadian Standards Association (CSA International):
 - .1 CAN/CSA-G164-M92, Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .2 CAN/CSA-O141-91, Softwood Lumber.
 - .3 CAN/CSA-O80, Series 08, Wood Preservative.
- 1.3 QUALITY ASSURANCE
- .1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- 1.4 WASTE MANAGEMENT AND DISPOSAL
- .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and the Waste Reduction Workplan, and the Waste Management Plan to the maximum extent economically possible
 - .2 Separate wood waste in accordance with the Waste Management Plan and place in designated areas.
 - .3 Separate metal, plastic, wood and corrugated cardboard-packaging in accordance with the Waste Management Plan and place in designated areas for recycling.
 - .4 Do not burn scrap at the project site.
 - .5 Fold up metal banding, flatten, and place in designated area for recycling.
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- 1.5 MEASUREMENT FOR PAYMENT
- .1 Treated dimension timber supplied and installed for wheel guard and chocks will be measured in lineal meters of timber wheel guard secured in place, including all fastenings. No additional payment will be made for wastage.
 - .2 Holdfasts will not be measured, but considered incidental to the wheel guard.

PART 2 - PRODUCTS

- 2.1 MATERIALS
- .1 Timber graded and stamped in accordance with applicable grading rules and standards of associations or agencies approved to grade lumber by Canadian Lumber Standards Administration Board of CSA.
 - .1 Structural Timber Species - Hemlock or Douglas Fir (CCA or ACA Treated).
 - .2 Grade - No. 1 Structural Grade with maximum of 20% of a lesser grade.
 - .2 Miscellaneous Steel:
 - .1 Bolts, nuts and washers to ASTM A307. Galvanized finish.
- 2.2 WOOD PRESERVATIVE
- .1 All timber shall be treated with CCA (chromate copper arsenate) preservatives in accordance with CSA O80, Series 08, water borne salt preservative (6.4 kg/m²). Use of creosote oil not permitted.

PART 3 - EXECUTION

- 3.1 PREPARATION
- .1 Treat surfaces of material with wood preservative, before installation.
 - .2 Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak on lumber and one minute soak on plywood.
 - .3 Retreat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.

- 3.2 INSTALLATION .1 Comply with requirements of the latest edition of the NBC, Part 9 supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 Install spanning members with "crown-edge" up.
- 3.3 FIELD CUTTING TREATED TIMBER .1 Field cuts are to be minimal to suit field conditions. Follow best practices by cutting and field preserving treated timber in one location over a ground sheet and collect all sawdust, scraps and drippings for disposal at an approved disposal site.
- .2 Treat in field, cuts and damage to surface of treated material with an appropriate preservative as described in CAN/CSA-080. Ensure that damaged areas such as abrasions, nail and spike holes, are thoroughly saturated with field treatment solutions as per CSA 080.
- 3.4 WHEELGUARDS AND WHEELGUARD CHOCKS .1 Wheelguard timbers to be 200mm x 100mm and will be in minimum length of 4880mm or as specifically required with butt joints made over a wheelguard chock sized as shown on the drawings.
- .2 Wheelguard timbers to be chamfered on top, 25mm on each horizontal and vertical surfaces.
- .3 Wheelguard chocks will be installed at 1500mm on centers as support for wheelguard.
- .4 Wheelguard will be secured through wheelguard blocking as per drawings.