
WOOD DECKING

PART 1 GENERAL**1.1 References**

- .1 American Society for Testing and Materials (ASTM)
 - .1 ASTM D 5116-[90], Standard Guide For Small-Scale Environmental Chamber Determinations of Organic Emissions From Indoor Materials/Products.
- .2 American Wood Preservers' Association (AWPA)
 - .1 AWPA A2-[98], Standard Methods for Analysis of Water-bourne Preservatives and Fire Retardant Formulations.
 - .2 AWPA A3-[97], Standard Methods for Determining Penetration of Preservatives and Fire Retardants.
- .3 Canadian Standards Association (CSA)
 - .1 CSA B111-[1974], Wire Nails, Spikes and Staples.
 - .2 CAN/CSA-O80 Series-[M97], Wood Preservation.
 - .3 CAN/CSA-O80.20-[M1997], Fire-Retardant Treatment of Lumber by Pressure Processes.
 - .4 CAN3-O86.1-[M94], Engineering Design in Wood (Working Stress Design).
- .4 Environmental Choice Program (ECP)
 - .1 ECP-76-98, Water-borne Surface Coatings.
- .5 National Lumber Grades Authority
 - .1 NLGA Standard Grading Rules for Canadian Lumber-[1991].

1.2 Quality Assurance

- .1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.

1.3 Waste Management and Disposal

- .1 Wood cut-offs are to be diverted from landfill by disposal at nearest wood recycling facility.
- .2 Reusable materials are to be diverted for reuse at nearest used building materials facility or similar type facility.
- .3 Unused preservatives and fire retardant materials are to be diverted from landfill through disposal at a special wastes depot.

PART 2 PRODUCTS**2.1 Materials**

- .1 Wood decking: to NLGA standard Grading Rules for Canadian Lumber Commercial grade rough sawn Western Red Cedar

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- .2 Decking lengths: 1.8 to 6 m or longer with a minimum of 90% planks exceeding 3 m. Square end trimmed. For single spans shorter than 3 m use decking of same length as span.
- .3 Nails: to CSA B111, galvanized finish; sizes as recommended in CAN3-O86. Supply 200 mm spiral spikes for lateral nailing.

PART 3 EXECUTION**3.1 Installation**

- .1 Do wood deck work in accordance with CAN3-O86 except where specified otherwise.
- .2 Install decking in accordance with CAN3-O86.
- .3 Provide minimum of one bearing support for each plank. Install sloping deck with tongues up. Join butt ends with splines to assure tight square fit.
- .4 Stagger end joints in adjacent planks minimum of 0.5 m. Separate joints in same area by at least two intervening courses. Avoid joints in first fifth of end spans. Minimize joints in middle third of any span.
- .5 Touch up end cuts with preservative where pressure treated lumber is specified.

3.2 Field Quality Control

- .1 Testing moisture content of delivered material will be performed by testing laboratory designated by Consultant.
- .2 Testing moisture content of delivered material will be by testing laboratory designated by Consultant by moisture meter with adjustments for species and temperature.

3.3 Cleaning

- .1 Remove tool marks, bruises, and scratches.

END OF SECTION - 06150