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## **Part 1 General**

### **1.1 RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

### **1.2 REFERENCES**

- .1 Canadian Standards Association (CSA)
- .2 CSA O80 Series, Wood Preservation.
- .3 CSA O322- Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations.

All standards used shall be of latest edition.

### **1.3 CERTIFICATES**

- .1 Submit certificates in accordance with Section 01 33 00 - Submittal Procedures.
- .2 For products treated with preservative by pressure impregnation submit following information certified by authorized signing officer of treatment plant:
- .3 Information listed in AWPA M2 and revisions specified in CSA O80 Series, Supplementary Requirement to AWPA M2 applicable to specified treatment.
- .4 Moisture content after drying following treatment with water-borne preservative.

### **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.
- .2 Do not dispose of preservative treated wood through incineration.
- .3 Do not dispose of preservative treated wood with other materials destined for recycling or reuse.
- .4 Dispose of treated wood, end pieces, wood scraps and sawdust and preservative as per Waste Management Plan- Section 01 74 21.

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**Part 2 Products**

**2.1 MATERIALS**

- .1 Preservative: to CSA-O80 Series, for coastal waters.

**Part 3 Execution**

**3.1 APPLICATION: PRESERVATIVE**

- .1 Treat to CSA O80 Series using CCA or ACA preservative to obtain minimum net retention of 10 kg/m<sup>3</sup> of wood.

**3.2 APPLICATION: FIELD TREATMENT**

- .1 Comply with AWPA M4 and revisions specified in CSA O80 Series, Supplementary Requirements to AWPA M2.

**END OF SECTION**

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## **Part 1           General**

### **1.1    RELATED SECTIONS**

- .1    Section 01 74 21 Construction/Demolition Waste Management and Disposal.
- .2    Section 06 05 73 - Treated Wood.

### **1.2    REFERENCES**

- .1    All standards used shall be of latest edition.
- .2    Canadian Standards Association (CSA)
  - .1    CAN/CSA-G164, Hot Dip Galvanizing of Irregularly Shaped Articles.
  - .2    CAN/CSA -O141 Softwood Lumber.
- .3    National Lumber Grades Authority (NLGA)
  - .1    Standard Grading Rules for Canadian Lumber

### **1.3    QUALITY ASSURANCE**

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

### **1.4    MEASUREMENT FOR PAYMENT**

- .1    Treated dimension timber supplied and installed for sheathing, fenders, fascia wheel guard and chocks will be measured in cubic metres of timber secured in place included all fastenings. Chocks, stringers, pile caps, wales etc. to complete the work as shown on drawings. No additional payment will be made for wastage.
- .2    All fasteners used for connections shall be incidental to this work and not paid separately.

## **Part 2           Products**

### **2.1    MATERIALS**

- .1    Use timber graded and stamped in accordance with applicable grading rules and standards of Agencies approved to grade lumber by Canadian Lumber Standards administration Board of CSA.
  - .1    Standard Timber Species: Hemlock or Douglas Fir (CCA treated)
  - .2    Grade: No. 1 Structural Grade with maximum of 20% of a lesser grade.

### **2.2    WOOD PRESERVATIVE**

- .1    In accordance with Section 06 05 73

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**Part 3 Execution**

**3.1 PREPARATION**

- .1 Store wood products.

**3.2 INSTALLATION**

- .1 Comply with requirements of NBC 2005 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.
  - .1 In addition to mechanical fasteners, floor panels secure floor subflooring to floor joists using screws. Place continuous adhesive bead in accordance with manufacturer's instructions, single-bead on each joist and double-bead on joists where panel ends butt.

**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 saw dust, 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 preservatives as described in 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 Treat bolt holes, cut-offs and field cuts in accordance with CSA 080.

**3.4 WHEELGUARDS AND CHOCKS**

- .1 Wheel guard timbers to be as shown on drawings and will be in minimum length to ensure butt joints made over a wheel guard chocks sized as shown on drawings.
- .2 Wheel guard timbers to be chamfered on top 25 mm on each horizontal and vertical surface.
- .3 Wheel guard chocks shall be installed at 2000 mm on centers as support for wheel guard.
- .4 Wheel guard shall be secured through chocks as shown on drawings.
- .5 Do not notch or cut wales to provide straight face. Blocking/shims will be installed as required or as directed by Departmental Representative.
- .6 Any other material as shown on drawings.

**END OF SECTION**