

PART 1 - General

- 1.1 Related Sections .1 Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .2 Section 35 00 00 - Dimension Timber.
- 1.2 References .1 Canadian Standards Association (CSA International)
- .1 CSA 080 Series-97, Wood Preservation.
- .2 CSA 0322-02, Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations.
- .3 NLGA Standard grading rules for Canadian Lumber 1980 edition or most recent edition at time of tendering.
- 1.3 Certificates .1 For products treated with preservative by pressure impregnation, submit following information certified by authorized signing officer of treatment plant:
- .1 Information listed in AWPA M2 and revisions specified in CSA 080 Series-97 Series, Supplementary Requirement to AWPA M2 applicable to specified treatment.
- .2 Moisture content after drying following treatment with water-borne preservative.
- 1.4 Waste Management And Disposal .1 Do not dispose of preservative treated wood through incineration or with other materials destined for recycling or reuse.
- 1.5 Measurement For Payment .1 No payment to be made under this section. Include costs of work of this section in applicable sections where treatment is required.
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PART 2 - Products

- 2.1 Materials .1 Preservative Treatment: Treat to CSA 080 M1989 commodity standard 080.18, Table 1 and its reference for coastal waters.
- | | CCA | ACA |
|------------------|-------------------|-------------------|
| | Kg/m ³ | Kg/m ³ |
| Douglas Fir | 24 | 24 |
| Pacific Coast | 24 | 24 |
| Hemlock, Eastern | 24 | 24 |
| Hemlock | | |
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- 2.2 Grading .1 All dimension timber shall be graded to the "National Lumber Grading Authority" (NLGA) or an equivalent "Canadian Lumber Standards Association Board" approved grading authority.

PART 3 - Execution

- 3.1 Application: Preservative .1 Treat to CSA 080.18 Series using CCA preservative to obtain minimum net retention specified for Marine applications.
- 3.2 Application: Field Treatment .1 Comply with AWPA M4 and revisions specified in CSA 080 Series-97 Series, Supplementary Requirements to AWPA M2.
- 3.3 Treatment .1 Apply three (3) brush coats of same preservative used in original treatment to all bolt holes, saw cuts and exposed untreated wood in field to CSA 080-M1989. Treat exposed ends or cuts with three (3) liberally brushed coats allowing sufficient interval between applications to permit total absorption and timber to dry. In the case of creosote, the preservative is to be applied hot.
- .2 Fill all unused bored holes with preservative and plug with treated wooden plugs.
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- 3.3 Treatment (Cont'd) .3 Field cutting of timber after treatment is not permitted unless specifically approved by Departmental Representative.
- 3.4 Field Handling .1 Carefully handle material to prevent damage to treated wood.
- .2 Damaged material will be rejected and replaced with new material.
- 3.5 Delivery And Storage .1 Store timber horizontally, evenly supported and piled to permit air circulation when stored for prolonged periods.
- .2 When handling long timber, provide support at sufficient number of points, properly located to prevent damage due to excess bending.
- .3 Handle treated timber with hemp, manila or sisal rope slings or other approved means of support that will not damage surface.
- .4 Do not use sharp pointed tools to handle treated timber. Any timber so handled will be rejected.
- 3.6 Field Quality .1 Timbers which contain rot, splits exposing untreated wood, excessive wane, or timbers which cannot be fastened in the work so as to be structurally sound are unacceptable.
- .2 The Departmental Representative reserves the right to carry out field testing of treated timber for penetration and retention of preservative. Timber not meeting the requirements of the specification may be rejected for use under this contract.