

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.
- .3 Section 06 10 10 - Rough Carpentry

1.2 References

- .1 Canadian Standards Association (CSA)
  - .1 CSA O80 Series-97, Wood Preservation.
  - .2 CSA O322-02, Procedure for Certification  
of Pressure-Treated Wood Materials for Use in  
Preserved Wood Foundations.

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:
  - .1 Information listed in AWPA M2 and  
revisions specified in CSA O80 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.

PART 2 - PRODUCTS

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|----------------------|----|---|
| <u>2.1 Materials</u> | .1 | Preservative Treatment: Treat to CSA 080, for coastal waters.   |
|                      | .2 | Ladder uprights and sheathing to have their ends cut as per drawings prior to treatment. Unnecessary field cutting will not be permitted. |

PART 3 - EXECUTION

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|---|----|---|
| <u>3.1 Application:<br/>Preservative</u>    | .1 | Treat to CSA 080.18 Series using CCA preservative to obtain minimum net retention specified.                    |
| <u>3.2 Application:<br/>Field Treatment</u> | .1 | Comply with AWPA M4 and revisions specified in CSA 080 Series-97 Series, Supplementary Requirements to AWPA M2. |

PART 1 - GENERAL

<u>1.1 Related Sections</u>	.1	Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
	.2	Section 06 05 73 - Wood Treatment.
<u>1.2 References</u>	.1	Canadian Standards Association (CSA) .1 CAN/CSA-G164-M92 (R1998), Hot Dip Galvanizing of Irregularly Shaped Articles. .2 CAN/CSA-O141-91 (R1999), Softwood Lumber.
	.2	National Lumber Grades Authority (NLGA) .1 Standard Grading Rules for Canadian Lumber 2000.
<u>1.3 Quality Assurance</u>	.1	Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
<u>1.4 MEASUREMENT FOR PAYMENT</u>	.1	Treated dimension timber supplied and installed for wales, sheathing and bracing and other miscellaneous new timber to complete the work will be measured in cubic metres (m3) of timber secured in place including all galvanized/stainless steel fastenings, plant, material and labour.
	.2	Ladder (New) - timber ladder uprights as shown including prefabricated galvanized steel ladder and two (2) steel galvanized holdfasts, secured in place as specified will be measured by the unit. The item will include all galvanized/stainless steel fastenings.
	.3	Ladder (Existing) - reinstallation of existing timber ladders (to be identified on site by engineer)including (2) new steel galvanized holdfasts per existing ladder, secured in place as specified will be measured by the unit. The item will include all galvanized/stainless steel fastenings. The supply and installation of the new steel holdfast will be paid under section 05 50 00, mooring holdfast.

PART 2 - PRODUCTS

- 2.1 Materials
- .1 Use 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.
  - .2 Species
    - .1 Structural timber species: Hemlock or Douglas Fir (CCA Treated).
    - .2 Sheathing, and ladder uprights: Hemlock or Douglas Fir, (CCA Treated).
    - .3 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.

PART 3 - EXECUTION

- 3.1 Installation
- .1 Comply with requirements of NBC 1995 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.
- 3.2 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 preservative as described in CSA O80 Series-97. Ensure that damaged areas such as abrasions, nail and spike holes are thoroughly

3.2 FIELD CUTTING  
TREATED TIMBER  
(Cont'd)

- .2 (Cont'd)  
saturated with field treatment solutions as  
per CSA 080 Series-97.
- .3 Treat bolt holes, cutoffs and field cuts in  
accordance with CSA 080 Series-97.

3.3 LADDERS

- .1 Supply and install ladders on face of wharf  
by Engineer.
- .2 Ladder uprights to be 250 x 250 mm and  
lengths as shown and extend a distance as to  
have a minimum of two(2) full rung below  
L.N.T. Uprights to be beveled at on top and  
bottom as shown on drawings.
- .3 Secure timber uprights as shown on drawings.

3.4 TIMBER WALE

- .1 Install new Timber wale as shown on plan or  
as directed by engineer.
- .2 Secure wale to bearing piles with 25 mm  
diameter machine bolts and as shown on  
drawings.
- .3 Do not notch or cut wale to provide straight  
face. Blocking/shims will only be installed as  
required or as directed by engineer.

3.5 TIMBER  
SHEATHING

- .1 Supply and install new 150 x 150 x 4880 mm  
long sheathing as indicated.
- .2 Secure each sheathing as shown on drawings.

- 3.6 TIMBER DIAGONAL BRACING .1 Supply and install new 150 x 200 diagonal bracing as indicated.
- .2 Secure each bracing as shown on drawings.