

PART 1 - GENERAL

1.1 RELATED
SECTIONS

- .1 Section 01 74 21 - Construction/Demolition
Waste Management And Disposal.
- .2 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 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

2.1 MATERIALS

- .1 Preservative Treatment: Treat to CSA 080, for
coastal waters.
- .2 Ladder uprights, timber sheathing to have
their ends cut and wheel guard chamfered as
per drawings prior to treatment. Unnecessary
field cutting will not be permitted.

PART 3 - EXECUTION

3.1 APPLICATION: .1 Treat to CSA 080.18 Series using CCA
PRESERVATIVE preservative to obtain minimum net retention
specified for Marine applications.

3.2 APPLICATION: .1 Compli with AWPA M4 and revisions specified
FIELD TREATMENT in CSA 080 Series-97 Series, Supplementary
Requirements to AWPA M2.

PART 1 - GENERAL

1.1 RELATED
SECTIONS

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

1.2 REFERENCES

- .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.

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 chocks, wales, bracing,
sheathing, fenders, and other miscellaneous
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 - timber ladder uprights as shown
including prefabricated galvanized steel
ladder and:
 - .1 for Type "A" ladders one(1) steel
galvanized holdfast secured in place as
specified will be measured by the unit. The
item will include all galvanized/stainless
steel fastenings.
 - .2 for Type "B" ladders 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 Treated dimension timber supplied and
installed for wheel guards to complete the
work will be measured in lineal metres (m) of

1.4 MEASUREMENT
FOR PAYMENT
(Cont'd)

- .3 (Cont'd)
timber secured in place including all
galvanized/stainless steel fastenings, plant,
material, and labour.

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 Wheelguard and wheelguard blocks:
Hemlock or Douglas Fir, (CCA Treated).
 - .2 Decking and Sheathing: Hard wood
Sheathing Birch or Maple
 - .3 Structural timber species: Hemlock or
Douglas Fir (CCA Treated).
 - .4 Ladder uprights and sheathing: Hemlock
or Douglas Fir, (CCA Treated).
 - .5 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 saturated with field treatment solutions as per CSA O80 Series-97.
- .3 Treat bolt holes, cut-offs and field cuts in accordance with CSA O80 Series-97.

3.3 WHEELGUARDS AND
WHEELGUARD CHOCKS

- .1 Wheelguard timbers to be 200 mm by 200 mm and will be in minimum lengths 4880 mm or as specially required with butt joints made over wheelguard chocks sized as shown on the drawings. Wheelguard timbers to be chamfered on top, 25 mm on each horizontal and vertical surface.
- .2 Wheelguard chocks will be installed at 1500 mm on centres as support for wheelguard.
- .3 Wheelguard will be secured through wheelguard blocking, configuration shown on sketch.

3.4 LADDERS

- .1 Supply and install ladders on face of wharf where specified by the Department Representative.
 - .2 Ladder uprights to be 250 x 250 mm and installed from wheel guard elevation and extend a distance as to have a minimum of two(2) full rung below L.N.T. Uprights to be bevelled at on top and bottom as shown on drawings.
 - .3 Secure timber uprights as shown on drawings.
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- 3.5 TIMBER WALE .1 Install new Timber wale as shown on drawings or as directed by the Departmental Representative.
- .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 installed as required or as directed by the Departmental Representative.
- 3.6 TIMBER SHEATHING .1 Supply and install new 100 x 150 x 4270 mm long sheathing as indicated.
- .2 Secure each sheathing as shown on drawings.
- 3.7 TIMBER DIAGONAL BRACING .1 Supply and install new 150 x 200 diagonal bracing as indicated.
- .2 Secure each bracing as shown on drawings.