

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 31 53 13.01 – Timber Cribwork.
- .2 Section 31 53 16 – Structural Timber
- .3 Section 01 33 00 Submittal Procedures

1.2 REFERENCES

- .1 American Wood-Preservers' Association (AWPA), latest edition
 - .1 AWPA M2, Standard for Inspection of Treated Wood Products.
 - .2 AWPA M4, Standard for the Care of Preservative-Treated Wood Products.
- .2 Canadian Standards Association (CSA International), latest edition
 - .1 CSA O80 Series-08, Wood Preservation.
 - .2 CSA O322-02 (R2007), Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations.

1.3 SUBMITTALS

- .1 Submit Submittal submissions: in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Quality assurance submittals:
 - .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, Supplementary Requirement to AWPA M2 applicable to specified treatment.
 - .2 Moisture content after drying following treatment with water-borne preservative.
 - .3 Acceptable types of paint, stain, and clear finishes that may be used over treated materials to be finished after treatment.

1.4 QUALITY ASSURANCE

- .1 Plant inspection of products treated with preservative by pressure impregnation will be carried out by designated testing laboratory to AWPA M2, and revisions specified in CSA O80 Series, Supplementary Requirements to AWPA M2.
- .2 Each piece of lumber and plywood for preserved wood foundations to be identified by CSA O322 certified stamp.
- .3 Inspection and testing of will be carried out by a Testing Laboratory designated by Departmental Representative.

- .4 Departmental Representative will pay for costs of tests as specified in Section 01 29 83 - Payment Procedures for Testing Laboratory Services.

1.5 DELIVERY, STORAGE, AND HANDLING

- .1 Waste Management and Disposal:
 - .1 Separate waste materials for reuse and recycling.

Part 2 Products

2.1 MATERIALS

- .1 Preservative: to CSA-O80 Series.
- .2 Preservatives: maximum VOC limit 350 g/L.

Part 3 Execution

3.1 APPLICATION: PRESERVATIVE

- .1 Treat dimension timber Coast Douglas Fir, Western /Eastern Hemlock to CSA O80 Series using CCA or ACA preservative to obtain minimum net retention of 24 kg/m³ of wood.
- .2 Treat wheelguard, wheelguard blocking timber Coast Douglas Fir, Western /Eastern Hemlock to CSA O80 Series using CCA or ACA preservative to obtain minimum net retention of 10 kg/m³ of wood.

3.2 APPLICATION: FIELD TREATMENT

- .1 Comply with AWPA M4 and revisions specified in CSA O80 Series, Supplementary Requirements to AWPA M2.
- .2 Remove chemical deposits on treated wood to receive applied finish.
- .3 Handle pressure treated material in a manner that will avoid damage which may expose untreated material. Rejection of any damaged material may result and replacement will be at the Contractor's expense.
- .4 Fill all bored bolt holes with preservative immediately after boring. Use a pressurized container with hose to apply preservative, or some alternate method acceptable to the Departmental Representative.
- .5 Fill all unused bored holes and spike holes with tight fitting treated wooden plugs.

3.3 CUTTING

- .1 Field cuts, if authorized, are to receive three (3) liberal coats of the applicable preservative applied to the dry wood on each application.

3.4 FIELD QUALITY

- .1 Timber 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 the contract.

END OF SECTION