

## **Part 1 General**

### **1.1 REFERENCES**

- .1 American Wood-Preservers' Association (AWPA)
  - .1 AWP M2, Standard Inspection of Treated Wood Products.
  - .2 AWP M4, Standard for the Care of Preservative-Treated Wood Products.
- .2 Canadian Standards Association (CSA)
  - .1 CSA O80 S-08, Wood Preservation.
  - .2 CSA-O80.201, This Standard covers hydrocarbon solvents for preparing solutions of preservatives.
- .3 Forest Stewardship Council (FSC)
  - .1 FSC-STD-01-001, FSC Principle and Criteria for Forest Stewardship
  - .2 FSC-STD-20-002, Structure and Content of Forest Stewardship Standards V2-1.
- .4 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber.
- .5 It is Supplier's responsibility to refer to all codes and standards concerned with the various components and their materials. The Supplier shall conform to the last edition and revision of all the documents of American Society for Testing and Materials International (ASTM), of the Canadian Association of Standardization (CAN/CSA) and other standards referring to the products.
- .6 All wood to be treated and worked according to the directives of the BMP - Best Management Practices for the uses of treated Wood in aquatic and sensitive environments

### **1.2 SHOP DRAWINGS**

- .1 Submit required 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 AWP M2 and revisions specified in CSA O80 Series, Supplementary Requirement to AWP M2 applicable to specified treatment.
    - .2 Moisture content to be controlled 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

### **1.3 QUALITY ASSURANCE**

- .1 The inspection in factory of materials impregnated under pressure of a preservative will be carried out by a laboratory, in accordance with standard AWP M2 and with the modifications stated in the standards of the series SCUMS O80, under additional requirements heading to standard AWP M2.

- .2 Each board or bundle of treated material to bear label in accordance with codes.

## **1.4 QUALITY CONTROL**

- .1 Independent Inspection/Testing Agencies will be engaged by Departmental Representative for purpose of inspecting and/or testing portions of Work. Cost of such services will be borne by Departmental Representative.
- .2 Employment of inspection/testing agencies does not relax responsibility to perform Work in accordance with Contract Documents.
- .3 Allow Departmental Representative access to Work. If part of Work is in preparation at locations other than Place of Work, allow access to such Work whenever it is in progress
- .4 If defects are revealed during inspection and/or testing, appointed agency will request additional inspection and/or testing to ascertain full degree of defect. Correct defect and irregularities as advised by Departmental Representative at no cost to Departmental Representative. Pay costs for retesting and reinspection.

## **1.5 DELIVERY, STORAGE, AND HANDLING**

- .1 Wood to be protected and lathed for transport.

## **Part 2 Products**

### **2.1 MATERIALS**

- .1 Wood
  - .1 Wood will be coastal Douglas fir or Pacific Coast hemlock, eastern hemlock, jack pine, red pine or tamarack
  - .2 Coastal Douglas fir tree and the Pacific Coast hemlock shall meet the requirements of the British Columbia Lumber Manufacturer's Association entitled "Standard Specifications for Construction Grade."
  - .3 Spruce, jack pine and eastern hemlock shall meet the requirements of the latest standard grading rules of the "Eastern Spruce Grading Committee" approved and published by the Canadian Lumbermen's Association, the Quebec Lumber Manufacturers Association and the "Maritime Lumber Bureau" with the exception of the balsam shall not be acceptable notwithstanding its inclusion in regulation no 1.
  - .4 All wood varieties will be in compliance with the requirements of the NLGA (National Lumber Grades Association) entitled "Standard Grading Rules for Canadian Lumber."
  - .5 All the wood used shall consist of the specified species and shall be of structural quality 2 structure or better in accordance with NLGA standard. However, no altered wood (soft rot) will be accepted in standard quality.
  - .6 All the wood shall be pressure treated with CCA in accordance with CAN/CSA-080-M. Prior to treatment, wood shall be incised to achieve net retention as specified in standards for use in marine works (CCA:24 kg/m<sup>3</sup>). All wooden pieces shall be bevelled before treatment.

- .7 Wood shall be dried prior to treatment.
- .8 Wood shall be incised for treatment.
- .9 The wood will be double end trimmed at a right angle before treatment following standard NLGA 748-B.
- .10 Spruce and balsam fir will not be accepted when treated wood is specified.
- .11 Preservation product used for wood treatment in compliance with the requirements from the standard CAN/CSA-O80 series.

**Part 3 Execution**

**3.1 PRESERVATION TREATMENT**

- .1 Wood shall be dried prior to treatment.
- .2 Treat materials, with a preservation product (CCA), in order to obtain a net retention in compliance with the requirements from the standard O80 series for usage in a marine environment (CCA:24 kg/m3).
- .3 Carry out the preservation treatments in compliance with the recommendations from the Best Management Practices for the Use of Treated Wood in Aquatic Environments (BMP).
- .4 Following preservative treatment, dry material to maximum moisture content of 19 %.

**END OF SECTION**