

PART 1 - GENERAL

1.1 Related
Sections

- .1 Section 06 10 00- Rough Carpentry.
- .2 Section 01 33 00 - Submittal Procedures.
- .3 Section 01 74 21 - Construction/Demolition
Waste Management And Disposal.

1.2 References

- .1 Canadian Standards Association (CSA)
 - .1 CSA 080 Series-[08], Wood Preservation.
 - .2 CSA 080.201-[M89], Standard for Hydrocarbon Solvents for Preservatives. This Standard covers hydrocarbon solvents for preparing solutions of preservatives.-
 - .5 CSA 0322-02(R2007), Procedure for Certification of Pressure-Treated Wood Materials for Use in Preserved Wood Foundations.

1.3 Quality
Assurance

- .1 Plant inspection of products treated with preservative by pressure impregnation will be carried out by designated testing laboratory to AWP M2, and revisions specified in CSA 080 Series, Supplementary Requirements to AWP M2.
- .2 Each piece of lumber and plywood for preserved wood foundations to be identified by CSA 0322 certified stamp.
- .3 Inspection and testing of materials will be carried out by a Testing Laboratory designated by a Departmental Representative.
- .4 A Departmental Representative will pay for costs of tests.

1.4 Regulatory Requirements

Not Applicable

1.5 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 AWP A M2 and revisions specified in CSA 080 Series, Supplementary Requirement to AWP A M2 applicable to specified treatment.
 - .2 Moisture content after drying following treatment with water-borne preservative.

1.6 Waste Management and Disposal

- .1 Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
- .2 Do not dispose of preservative treated wood through incineration.
- .3 Do not dispose of preservative treated wood with other materials destined for recycling or reuse.
- .4 Dispose of treated wood, end pieces, wood scraps and sawdust at sanitary landfill approved by a Departmental Representative.
- .5 Dispose of unused wood preservative material at official hazardous material collections site approved by a Departmental Representative.
- .6 Do not dispose of unused preservative material into sewer system, into streams,

lakes, onto ground or in other location where they will pose health or environmental hazard.

PART 2 - PRODUCTS

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| <u>2.1 Materials</u> | .1 | Preservative: to CSA-080 Series, finish to be determine by a Departmental Representative. |
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PART 3 - EXECUTION

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| <u>3.1 Application:
Preservative</u> | .1 | Treat timber to CSA 080.18-M89 Pressure Treated Piles and Timbers in Marine Construction. |
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| <u>3.2 Application:
Fire-Retardant</u> | | Not Applicable |
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| <u>3.3 Application:
Field Treatment</u> | .1 | Comply with AWPA M4 and revisions specified in CSA 080 Series, Supplementary Requirements to AWPA M2. |
| | .2 | Remove chemical deposits on treated wood to receive applied finish. |

PART 1 - GENERAL

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| <u>1.1 Related Sections</u> | .1 | Section 01 61 00 - Common Product Requirements. |
| <u>1.2 References</u> | .1 | Canadian Standards Association (CSA International)
.1 CAN/CSA-G164-[M92(R2003)], Hot Dip Galvanizing of Irregularly Shaped Articles.
.2 CAN/CSA-O141-[91(R2004)], Softwood Lumber.
.3 CAN/CSA-080 Series-08, Wood Preservative. |
| | .2 | National Lumber Grades Authority (NLGA)
.1 Standard Grading Rules for Canadian Lumber [2000]. |
| <u>1.3 Quality Assurance</u> | .1 | Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board. |
| <u>1.4 Waste Management and Disposal</u> | .1 | Do not dispose of preservative treated wood through incineration. |
| | .2 | Do not dispose of preservative treated wood with materials destined for recycling or reuse. |
| | .3 | Dispose of treated wood, end pieces, wood scraps and sawdust at sanitary landfill approved by a Departmental Representative. |
| | .4 | Dispose of unused wood preservative material at official hazardous material collections site approved by a Departmental Representative. |

- .5 Do not dispose of unused preservative material into sewer system, into streams, lakes, onto ground or in other locations where they will pose health or environmental hazard.

1.5 Measurement for Payment

- .1 Supply and installation of all pressure treated timber shall be measured in accordance with section 01 10 10. The supply and installation connecting bolts, lag screws, nuts, washers or other attachments shall be considered incidental to the work.

PART 2 - PRODUCTS

2.1 Materials

- .1 Softwood timbers to CSA-0141-05.
 - .1 Species: S-P-F grade No. 1.
 - .2 Type: pressure treated.
 - .3 Sound seasoned wood with ends square.
 - .4 Dimensions as indicated.
 - .5 Straight, free from loose knots, sweep, stakes, rot and checks.
- .2 Treatment of materials:
 - .1 All timber shall be treated with CCA (chromate copper arsenate) preservatives in accordance with CSA 080 Series 97, water borne salt preservative (6.4 kg/m²). Use of creosote Oil not permitted.
- .3 Miscellaneous Steel:
 - .1 Bolts, nuts and washers to ASTM A307. Galvanized finish.
- .4 Nails and Spikes:
 - In accordance with CSA Standard B111. Galvanize finish.

2.2 Finishes

- .1 Galvanizing: to CAN/CSA-G164, use galvanized fasteners.

PART 3 - EXECUTION

3.1 Preparation

- .1 Treat surfaces of material with wood preservative, before installation.
- .2 Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak on lumber and one minute soak on plywood.
- .3 Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.

3.2 Installation

- .1 Install timbers as indicated.

3.3 Erection

- .1 Countersink bolts to provide flush finish where indicated.
- .2 Fill countersunk holes with non- shrink grout, suitable for exterior work including freeze - thaw conditions.