

PART 1 - GENERAL

- 1.1 REFERENCES
- .1 CSA International
    - .1 CSA 0141-05(R2009), Softwood Lumber.
    - .2 CAN/CSA-Z809-08, Sustainable Forest Management.
  - .2 Forest Stewardship Council (FSC)
    - .1 FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
  - .3 Green Seal Environmental Standards (GS)
    - .1 GS-11-11, Paints and Coatings.
  - .4 National Lumber Grades Authority (NLGA)
    - .1 Standard Grading Rules for Canadian Lumber 2010.
  - .5 Sustainable Forestry Initiative (SFI)
    - .1 SFI-2010-2014 Standard.
  - .6 American Wood-Preservers' Association (AWPA)
    - .1 AWPA M2-01, Standard for Inspection of Treated Wood Products.
    - .2 AWPA M4-06, Standard for the Care of Preservative-Treated Wood Products.
- 1.2 ACTION AND INFORMATIONAL SUBMITTALS
- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Product Data:
    - .1 Submit manufacturer's instructions, printed product literature and data sheets for rough carpentry work and include product characteristics, performance criteria, physical size, finish and limitations.
    - .2 Wood Certification: submit vendor's Chain-of-Custody Certificate number for CAN/CSA-Z809 or FSC or SFI certified wood.
- 1.3 QUALITY ASSURANCE
- .1 Lumber identification: by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
  - .2 Sustainable Standards Certification:
    - .1 Certified Wood: submit listing of wood products and materials used in accordance with CAN/CSA-Z809 or FSC or SFI.
-

- |                                      |    |  |
|--------------------------------------|----|--|
| 1.3 QUALITY<br>ASSURANCE<br>(Cont'd) | .3 | Each piece of lumber for fence posts to be identified by CSA 0322 certified stamp. |
|--------------------------------------|----|--|
- 
- |  |    |   |
|--|----|---|
| 1.4 DELIVERY,<br>STORAGE AND<br>HANDLING | .1 | Deliver, store and handle materials in accordance with with manufacturer's written instructions.  |
|  | .2 | Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.   |
|  | .3 | Storage and Handling Requirements:<br>.1 Store materials off ground in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.<br>.2 Replace defective or damaged materials with new. |

## PART 2 - PRODUCTS

- |               |    |  |
|---------------|----|--|
| 2.1 MATERIALS | .1 | Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards:<br>.1 CAN/CSA-O141.<br>.2 NLGA Standard Grading Rules for Canadian Lumber.<br>.3 CAN/CSA-Z809 or FSC or SFI certified.   |
|               | .2 | Wood Preservative:<br>.1 Preservative: to CSA-080 Series, for clear finish.<br>.2 Surface-applied wood preservative: clear, copper naphthenate or 5% pentachlorophenol solution, water repellent preservative.<br>.3 Pentachlorophenol use is restricted to building components that are in ground contact and subject to decay or insect attack only. Where used, pentachlorophenol-treated wood must be covered with two coats of an appropriate sealer.<br>.4 Structures built with wood treated with pentachlorophenol and inorganic arsenicals must not be used for storing food nor should the wood come in contact with drinking water. |
-

<u>2.1 MATERIALS</u> (Cont'd)	.3	Primers and Paints: in accordance with manufacturer's recommendations for surface conditions.
----------------------------------	----	---

<u>2.2 ACCESSORIES</u>	.1	Fasteners: to CAN/CSA-G164, for exterior work with preservative treated lumber.
	.2	Nails, spikes and staples: to CSA B111.
	.3	Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.

### PART 3 - EXECUTION

<u>3.1 EXAMINATION</u>	.1	Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for rough carpentry installation in accordance with manufacturer's written instructions.
	.1	Visually inspect substrate in presence of Departmental Representative.
	.2	Inform Departmental Representative of unacceptable conditions immediately upon discovery.
	.3	Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

<u>3.2 PREPARATION</u>	.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.
	.3	Re-treat surfaces exposed by cutting, trimming or boring with liberal brush application of preservative before installation.

<u>3.3 INSTALLATION</u>	.1	Install as per contract documents.
-------------------------	----	------------------------------------

---

- 3.4 CLEANING
- .1 Progress Cleaning: Leave Work area clean at end of each day.
  - .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.
  - .3 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
    - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.