

**Part 1 General**

**1.1 REFERENCES**

- .1 ASTM International
  - .1 ASTM A123/A123M-13, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
- .2 CSA International
  - .1 CSA O141-05, Softwood Lumber.
  - .2 CSA O325-07, Construction Sheathing.
- .3 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber 2014.

**1.2 QUALITY ASSURANCE**

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood panels in accordance with CSA standards.

**1.3 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions.
- .2 Develop Construction Waste Management Plan related to Work of this Section and in accordance with Section 01 00 10 - General Instructions.

**Part 2 Products**

**2.1 FRAMING STRUCTURAL AND PANEL MATERIALS**

- .1 Lumber: softwood, S4S, moisture content 19% (S-dry) or less in accordance with following standards:
  - .1 CSA O141.
  - .2 NLGA Standard Grading Rules for Canadian Lumber.
  - .3 Pressure treated with wood preservative
- .2 Furring, blocking, nailing strips, grounds, rough bucks, cants, curbs, fascia backing and profiles as indicated:
  - .1 Board sizes: "Standard" or better grade.
  - .2 Dimension sizes: "Standard" light framing or better grade.
  - .3 Pressure treated with wood preservative
- .3 Plywood panels: to CSA O325.

- .1 Pressure treated with wood preservative for exterior applications and as indicated
- .2 Thickness as indicated

## **2.2 ACCESSORIES**

- .1 Fastener Finishes:
  - .1 Galvanizing: to ASTM A123/A123M, use galvanized fasteners for exterior work.
- .2 Wood Preservative:
  - .1 Surface-applied wood preservative: coloured alkaline copper quaternary (ACQ) applied to lumber and panel materials by pressurized process to minimum 0.25 pcf
  - .2 Liquid applied ACQ for site treatment for cut-ends and holes

## **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 members true to line, levels and elevations, square and plumb.
- .2 Construct continuous members from pieces of longest practical length.
- .3 Install furring and blocking as required to space-out and support facings, parapets and other work as required.
- .4 Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized fasteners.
- .5 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .6 Countersink bolts where necessary to provide clearance for other work.

### **3.3 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by rough carpentry installation.

**END OF SECTION**