

**Part 1 General**

**1.1 REFERENCES**

- .1 American Society for Testing and Materials International (ASTM)
  - .1 ASTM A123/A123M, Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.
  - .2 ASTM A653/A653M, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .2 Canadian Standards Association (CSA International)
  - .1 CSA B111, Wire Nails, Spikes and Staples.
  - .2 CAN/CSA-G164, Hot Dip Galvanizing of Irregularly Shaped Articles.
  - .3 CSA O121, Douglas Fir Plywood.
  - .4 CSA O141, Softwood Lumber.
  - .5 CSA O151, Canadian Softwood Plywood.
  - .6 CSA O153, Poplar Plywood.
  - .7 CAN/CSA-Z809-, Sustainable forest management.
- .3 Forest Stewardship Council (FSC)
  - .1 FSC-STD-01-001, FSC Principle and Criteria for Forest Stewardship.
- .4 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).
- .5 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber.
- .6 South Coast Air Quality Management District (SCAQMD), California State (SCAQMD)
  - .1 SCAQMD Rule 1113, Architectural Coatings.
  - .2 SCAQMD Rule 1168, Adhesives and Sealants Applications.

**1.2 SUBMITTALS**

- .1 Submit Submittal submissions: in accordance with Section 01 33 00 - Submittal Procedures.
  - .1 Timber Certification: submit the certificate number of the chain of custody certified FSC or SFI CAN/CSA-Z809 or wood.Co-ordinate submittal requirements and provide

**1.3 QUALITY ASSURANCE**

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

- .3 Plywood, OSB and wood based composite panel construction sheathing identification: by grademark in accordance with applicable CSA standards.

#### **1.4 DELIVERY, STORAGE, AND HANDLING**

- .1 Waste Management and Disposal:
  - .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

### **Part 2 Products**

#### **2.1 LUMBER MATERIAL**

- .1 Light frame: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards:
  - .1 "Standard" or better grade.
  - .2 CAN/CSA-O141.
  - .3 NLGA Standard Grading Rules for Canadian Lumber.
- .2 Furring, blocking, nailing strips, grounds, rough bucks, cants, curbs, fascia backing and sleepers: softwood, S4S, moisture content 19% or less in accordance with following standards:
  - .1 "Standard" or better grade.
  - .2 CAN/CSA-O141.
  - .3 NLGA Standard Grading Rules for Canadian Lumber.

#### **2.2 PANEL MATERIALS**

- .1 Canadian softwood plywood (CSP): to CSA O151, standard construction.

#### **2.3 ACCESSORIES**

- .1 Nails, screws and bolts apparent: stainless steel
- .2 Nails, spikes and staples: to CSA B111.
- .3 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .4 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, explosive actuated fastening devices, recommended for purpose by manufacturer.

#### **2.4 FINISHES**

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

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**Part 3            Execution**

**3.1                INSTALLATION**

- .1      Comply with requirements of NBC 2010, supplemented by the following paragraphs.
- .2      Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, soffit, siding and other work as required.
- .3      Align and plumb faces of furring and blocking to tolerance of 1:600.
- .4      Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .5      Install wood cants, fascia backing, nailers, curbs and other wood supports as required and secure using galvanized steel fasteners.
- .6      Install wood backing, dressed, tapered and recessed slightly below top surface of roof insulation for roof hopper.
- .7      Install sleepers as indicated.

**3.2                ERECTION**

- .1      Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2      Countersink bolts where necessary to provide clearance for other work.
- .3      Complete the handling of materials, the installation, the erection, the bracing and hoisting in accordance with the manufacturers instructions.

**END OF SECTION**