

**1 GENERAL**

**1.1 General Requirements**

- .1 All requirements of the Contract apply to and govern all work of this Section.
- .2 Comply with the requirements of Division 1.

**1.2 Standards Referred to in this Section**

- .1 Canadian Standards Association (CSA)
  - .1 CSA B111-74 (R2003), Wire Nails, Spikes and Staples
  - .2 CAN/CSA-O141-05(R2014), Softwood Lumber
- .2 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber 2010

**1.3 Quality Assurance**

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.

**2 PRODUCTS**

**2.1 Framing and Structural Materials**

- .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% (S-dry) or less in accordance with following standards:
  - .1 CAN/CSA-O141.
  - .2 NLGA Standard Grading Rules for Canadian Lumber.
- .2 Furring, blocking, nailing strips, grounds, rough bucks:
  - .1 S2S is acceptable for firm surfaces not receiving a finish.
  - .2 Board sizes: "Standard" or better grade.
  - .3 Dimension sizes: "Standard" light framing or better grade.
  - .4 Post and timber sizes: "Standard" or better grade.

**2.2 Panel Standards**

- .1 Panel Standards: type, grade and thickness as specified, in accordance with the following standards:
  - .1 Douglas fir plywood (DFP): to CSA 0121-M2008 unsanded grade sheathing, T&G, 18.5 mm thick unless indicated otherwise.

**2.3 Panel Material End Uses**

- .1 Blocking :
  - .1 Plywood, DFP sheathing grade, T&G, 18.5 mm thick.

## **2.4 Fasteners**

- .1 Nails, spikes and staples: to CSA B111-1974. Common spiral, flathead hot dip galvanized for exterior work, electro galvanized elsewhere.
- .2 Bolts, nuts, washers: ASTM A307, hot dip galvanized structural quality steel.
- .3 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, recommended for purpose by manufacturer.
- .4 Screws : to CSA 35.4-1972, zinc, cadmium or chrome plated.

## **2.5 Accessories**

- .1 Air seal: closed cell polyurethane or polyethylene.
  - .1 Sealants: Section 07 92 10 - Joint Sealing.

## **3 EXECUTION**

### **3.1 Preparation**

- .1 Store wood products as recommended by manufacturer.

### **3.2 Installation**

- .1 Comply with requirements of NBC 2010 Part 9 supplemented by following paragraphs.
- .2 Install members true to line, levels and elevations, square and plumb.
- .3 Construct continuous members from pieces of longest practical length.
- .4 Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, and other work as required.
- .5 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.
- .6 Use dust collectors and high quality respirator masks when cutting or sanding wood.
- .7 Provide solid lumber firestops in accordance with NBC requirements.

### **3.3 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 Furring and Blocking
  - .1 Install furring and blocking as required to space-out and support casework, cabinets, wall and ceiling finishes, facings, fascia, and other work as required.
  - .2 Align and plumb faces of furring and blocking to tolerance of 1:600.
  - .3 Unless otherwise indicated, attach wood members at maximum 600 mm o/c as follows:
    - .1 To heavy gauge metal with bolts
    - .2 To light gauge metal with screws or bolts
    - .3 To wood with nails, screws or bolts as required to ensure stability.
  - .4 Fasteners
    - .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.

### **3.4 Schedule**

- .1 Provide framing, blocking, rough bucks and backboards as required.

**END OF SECTION**