

## **1 General**

### **1.1 RELATED REQUIREMENTS**

- .1 Section 07 51 12 – Built-Up Asphalt Roofing.

### **1.2 REFERENCES**

- .1 CSA International.
  - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
  - .2 CSA O121-08, Douglas Fir Plywood.
  - .3 CSA O141-05(R2009), Softwood Lumber.
- .2 National Lumber Grades Authority (NLGA)
  - .1 Standard Grading Rules for Canadian Lumber 2010.

### **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 Protect materials from weather in transit and on site.
- .2 Store materials on raised supports. Cover materials with tarpaulins or polyethylene sheets to prevent moisture absorption, impairment of structural properties and impairment of aesthetic features.

## **2 Products**

### **2.1 MATERIALS**

- .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards:
  - .1 CAN/CSA O141.
  - .2 NLGA Standard Grading Rules for Canadian Lumber.
  - .3 CAN/CSA-Z809 or FSC or SFI certified.

- .2 Furring, blocking, nailing strips, grounds, rough bucks, curbs, fascia backing and sleepers:
  - .1 S2S or S4S material.
  - .2 Board sizes: spruce series, NLGA No. 2 or better
  - .3 Dimension sizes: "Standard" light framing or better grade.
  - .4 Post and timbers sizes: "Standard" or better grade.
- .3 Panel Materials:
  - .1 Douglas fir plywood (DFP): to CSA O121, standard construction.
  - .2 Plywood, OSB and wood based composite panels: to CAN/CSA O325.
- .4 Wood Preservative:
  - .1 Use pressure treated plywood and pressure treated dimensional lumber where indicated and apply preservative after materials have been cut and fit to size.
- .5 Fasteners: to CAN/CSA G164 for exterior work.
- .6 Nails, spikes and staples: to CSA B111.
- .7 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .8 Proprietary fasteners: explosive actuated fastening devices, recommended for purpose by manufacturer. Hilti Kwik-Bolt or approved equal.

### **3 Execution**

#### **3.1 PREPARATION**

- .1 Treat surfaces of material with wood preservative where required, 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 1 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 Comply with requirements of Part 9 of NBC, supplemented by the following paragraphs.
- .2 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work.

- .3 Install wood curbs and other wood supports as required and secure using galvanized fasteners.

**END OF SECTION**