

**PART I      General**

**I.1          REFERENCES**

- .1      CAN/CGSB 51.34-M86 - Vapour Barrier, Polyethylene Sheet for Use in Building Construction.
- .2      CAN/CSA-O80 Series-08 - Wood Preservation.
- .3      CSA-O121-08 - Douglas Fir Plywood
- .4      CSA-O141-05 - Softwood Lumber.
- .5      CSA-O151-09 - Canadian Softwood Plywood.
- .6      CSA-O153-M1980 (R2008) - Poplar Plywood.
- .7      CSA-O437-93 (R2006) - OSB and Waferboard.
- .8      NPA A208.1-2009 - Particleboard.
- .9      CANPLY (Canadian Plywood Association) - Canadian Plywood Handbook.
- .10     National Lumber Grades Authority (NLGA) - Standard Grading Rules for Canadian Lumber, 2010 Edition.
- .11     Forest Stewardship Council's (FSC) Principles and Criteria

**I.2          WASTE MANAGEMENT AND DISPOSAL**

- .1      Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .2      Divert unused wood materials from landfill to recycling, reuse or composting facility.
- .3      Do not dispose of preservative treated wood through incineration.
- .4      Do not dispose of preservative treated wood with materials destined for recycling or reuse.
- .5      Dispose of unused wood preservative material at official hazardous material collections site.
- .6      Do not dispose of unused preservative material into sewer system, into streams, lakes, onto ground or in other locations where they will pose health or environmental hazard.

**I.3          SUBMITTALS FOR REVIEW**

- .1      Provide Samples as per Section 01 33 00 – Submittal Procedures

**I.4          QUALITY ASSURANCE**

- .1      Perform Work in accordance with the following agencies:
  - .1      Lumber Grading Agency: Certified by NLGA.
  - .2      Wood Treatment: CSA O80M.

## **PART 2      Products**

### **2.1      MATERIALS**

- .1      Lumber Grading Rules: NLGA.
- .2      Miscellaneous Framing: CSA O141, Non-structural light grading 19 percent maximum moisture content.
- .3      Panel Materials:
  - .1      Douglas fir plywood (DFP): to CSA O121, standard construction.
  - .2      Canadian softwood plywood (CSP): to CSA O151, standard construction.
  - .3      Plywood, OSB and wood based composite panels: to CAN/CSA-O325.
  - .4      Use of added urea-formaldehyde resins is not permitted.

### **2.2      ACCESSORIES**

- .1      Nails, spikes and staples: to CSA B111.
- .2      Fasteners and Anchors:
  - .1      Fasteners: Hot dipped galvanized steel meeting CAN/CSA-G164, minimum coating of 300 g/m<sup>2</sup> for high humidity and treated wood locations, unfinished steel elsewhere.
  - .2      Anchors: Toggle bolt type for anchorage to hollow masonry. Expansion shield and lag bolt type for anchorage to solid masonry or concrete. Bolt or ballistic fastener for anchorages to steel.

## **PART 3      Execution**

### **3.1      FRAMING**

- .1      Set members level and plumb, in correct position.
- .2      Place horizontal members, crown side up.
- .3      Construct curb members of single pieces.
- .4      Space framing and furring 400mm oc.
- .5      Curb roof openings except where prefabricated curbs are provided. Form corners by alternating lapping side members.
- .6      Coordinate curb installation with installation of decking and support of deck openings, roofing vapour retardant and parapet construction.
- .7      Place miscellaneous blocking, furring, strapping, canting, nailing strips, framing and sheathing where indicated on drawings and as required for secure support of anchorage of other specified materials. Place members true to lines and levels. Secure rigidly in place.

- .8 Coordinate the installation of bucks, anchors, blocking, electrical and mechanical work which is to be placed in or behind partitions. Allow such items to be installed after partition framing is complete. Ensure that allowance is made for thickness of wall finish to be applied.

### **3.2 SHEATHING**

- .1 Install telephone, network rack and electrical panel back boards with plywood sheathing material where required. Size the backboard by 300 mm beyond size of electrical panel.

**END OF SECTION**