

Part 1 General**1.1 REFERENCES**

- .1 Canadian Standards Association (CSA International).
 - .1 CSA B111-1974(R2003). Wire Nails, Spikes and Staples.
 - .2 CSA-G164-18. Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .3 CSA O121-17. Douglas Fir Plywood.
 - .4 CSA O141-05(R2019). Softwood Lumber.
 - .5 CSA O151-17. Canadian Softwood Plywood.

1.2 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.

1.3 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate wood waste in accordance with the Waste Management Plan and place in designated areas in the following categories for recycling: Solid wood softwood, treated, painted, or contaminated wood.
- .2 Separate wood waste in accordance with the Waste Management Plan and place in designated areas in the following categories for re-use on site: sheet materials, framing members, multiple offcuts.
- .3 Set aside damaged wood and dimensional lumber off-cuts for approved alternative uses (e.g. bracing or blocking). Store this separated reusable wood waste convenient to cutting station and area of work.
- .4 Remove from site and dispose of packaging materials at appropriate recycling facilities. Collect and separate for disposal paper, plastic, polystyrene and corrugated cardboard packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.
- .5 Divert unused wood materials from landfill to recycling or reuse facility approved by Departmental Representative. Do not burn scrap at the project site.

Part 2 Products**2.1 MATERIAL**

- .1 Studs, blocking and board lumber: softwood, SPF, S4S. Moisture content 19% (S-dry) or less in accordance with CSA O141 and NLGA Standard Grading Rules for Canadian Lumber. Glued end-jointed (finger-jointed) lumber is not acceptable for any use.
 - .1 Studs: 38 x 89 and 38 x 135 mm. No. 1 stud grade. Refer to drawings for location for each size.
 - .2 Strapping: 19 x 65 and 19 x 89 mm. No. 2 construction grade. Refer to drawings for location for each size.
 - .3 Blocking: 38 x 89 and 38 x 165 mm. No. 1 construction grade.

2.2 PANEL MATERIALS

- .1 Wall sheathing: Douglas fir plywood (DFP): to CSA O121. Thickness as indicated in the drawings. Standard construction. G1S where indicated for interior use. 100% Formaldehyde Free.
- .2 Floor Sheathing: 19 mm thick T & G, spruce plywood to CSA O151. Floor sheathing grade.

2.3 ACCESSORIES

- .1 Air seal: closed cell polyurethane or polyethylene.
- .2 Nails, spikes and staples: to CSA B111.
- .3 Subfloor adhesive: waterproof, solvent base. Air cure type, cartridge dispensed.
- .4 Screws: plated screws specifically intended for fastening plywood subfloors to structural framing. Size and length as indicated.
- .5 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.

2.4 FINISHES

- .1 Galvanizing: to CSA-G164, use galvanized fasteners for all work.

2.5 PIER

- .1 Cast in place concrete pier. Sizes as noted in the drawings. Concrete minimum 25 MPa as specified in Section 03 30 00 - Cast-in-Place Concrete.

Part 3 Execution**3.1 INSTALLATION**

- .1 Comply with requirements of NBC, supplemented by the 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 spanning members with "crown-edge" up.
- .5 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.
- .6 Align and plumb faces of furring and blocking to tolerance of 1:600.
- .7 Install rough bucks, nailers and linings to rough openings as required to provide

3.2 ERECTION

- .1 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Provide necessary clearances and fasten new walls to existing framing without altering existing loadbearing members or affecting existing structure.
- .3 Countersink bolts where necessary to provide clearance for other work.

END OF SECTION