Part 1 General

1.1 REFERENCES

.1 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 CAN/CSA-O141, Softwood Lumber.
- .5 CSA O151, Canadian Softwood Plywood.
- .6 CAN/CSA-O325.0, Construction Sheathing.
- .7 CAS 080, Wood Preservation.

.2 Canadian General Standards Board (CGSB)

- .1 CAN/CGSB-11.3, Hardboard.

.3 National Lumber Grades Authority (NLGA)

- .1 Standard Grading Rules for Canadian Lumber.

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.

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

Part 2 Products

2.1 MATERIALS

.1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards, Spruce, Pine or Fir NLGA No. 2 or better grade:

- .1 CAN/CSA-O141.
- .2 NLGA Standard Grading Rules for Canadian Lumber.
- .3 Glued end-jointed (finger-jointed) lumber is not acceptable.

.2 Canadian softwood plywood (CSP): to CSA 0151, standard construction, square edge. Standard sheathing grade.

.3 Hardboard paneling: to CAN/CGSB-11.3, smooth, tempered, 1219 x 2438 x 3 mm thick panels.

.4 Nails, spikes and staples: to CSA B111 and NBC requirements. Galvanized.

.5 Bolts: steel, of sizes required, complete with nuts and washers. Galvanized.

.6 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead plugs, recommended for purpose by manufacturer.

.7 Surface-applied wood preservative: copper napthenate or pentachlorophenol base water repellent preservative. Use clear for materials exposed in final assembly, coloured elsewhere.

.8 Pressure Preservative Treated Wood:

.1 Provide lumber materials pressure preservative treated for rough bucks at openings, wood strapping, and lumber used on exterior of building, above or below grade.

.2 Treat material to CAN/CSA-O80 using Type-C (copper chromate arsenate) preservative to obtain a minimum net retention level of 6.4 kg/m3) of wood.

.3 Materials shall be dried after treatment to a moisture content of 19% or less.

.4 Each piece of treated material shall be identified with a tag or ink mark bearing the Canadian Wood Preservers' Bureau quality mark.

.5 Apply surface applied wood preservative to heartwood exposed from ripping, end cutting or boring.

2.2 FINISHES

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

Part 3 Execution

3.1 GENERAL

.1 Comply with requirements of NBC, Part 9 supplemented by following paragraphs.

.1 Install members true to line, levels and elevations. Space uniformly. 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.

.2 Construct continuous members from pieces of longest practical length.

.3 Install spanning members with "crown-edge" up.

.4 Frame, anchor, fasten, tie and brace members to provide necessary strength and rigidity.

.5 Countersink bolts where necessary to provide clearance for other work.

.6 Use fastenings of following types, except where specific type is indicated or specified:

.7 To hollow masonry, plaster and panel surfaces use toggle bolt.

.8 To solid masonry and concrete use expansion shield with lag screw, lead plug with wood screw.

.9 To structural steel use bolts through drilled hole, or welded stud-bolts or power driven self-drilling screws, or welded stud-bolts or explosive actuated stud-bolts.

.10 Install furring and blocking as required to space-out and support surface wall and ceiling finishes, facings, fascia, soffit, siding and other work as indicated. Align and plumb faces of furring and blocking to tolerance of 1:600.

.11 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other work. Except where indicated otherwise, use material at least 38 mm thick.

.12 Install fascia backing, nailers and other wood supports as required and secure using galvanized fasteners.

.13 Install hardboard paneling with finishing nails.Apply preservative by dipping, or by brush to completely saturate and maintain wet film on surface for minimum 3 minute soak on lumber and one minute soak on plywood.

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.

3.3 SCHEDULES

.1 Unless noted otherwise on the drawings, provide electrical equipment backboards for mounting electrical equipment as indicated. Use 19 mm thick plywood on 19 x 38 mm furring around spacing, perimeter and at maximum 300 mm intermediate.

END OF SECTION