
1 General

1.1 SOURCE QUALITY CONTROL

- .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.

2 Products

2.1 LUMBER MATERIAL

- .1 Lumber: unless specified otherwise, softwood, S4S, moisture content 19% or less in accordance with following standards:
 - .1 CSA 0141-1970.
 - .2 NLGA Standard Grading Rules for Canadian Lumber, 1987 edition. This designates dry lumber and is stamped S-dry.
- .2 Furring, blocking, nailing strips, grounds, rough bucks, curbs, fascia backing and sleepers:
 - .1 S2S is acceptable for all items.
 - .2 Board sizes: "Standard" or better grade.
 - .3 Dimension sizes: "Standard" light framing or better grade.
 - .4 Post and timbers sizes: "Standard" or better grade.
- .3 Machine stress rated lumber is acceptable for all purposes.
- .4 Glued end-joined or finger-joined lumber is not acceptable.

2.2 FASTENERS

- .1 Nails, spikes and staples: to CSA B111-1974.
- .2 Bolts: 12.5 mm diameter unless indicated otherwise, complete with nuts and washers.
- .3 Proprietary fasteners: toggle bolts, expansion shields and lag bolts, screws and lead or inorganic fibre plugs, recommended for purpose by manufacturer.
- .4 Galvanizing: to CSA G164-M1981, use galvanized fasteners for exterior Work, interior highly humid areas, pressure-preservative, fire-retardant treated lumber.
- .5 Joist hangers: minimum 1 mm 20 ga. thick sheet steel, galvanized ZF001 coating designation, minimum 6672 N bearing strength.
- .6 Nailing discs: flat caps, minimum 25 mm dia., 1" dia., minimum 0.4 mm 27 ga. thick sheet metal formed to prevent dishing. Bell or cup shapes not acceptable.

2.3 WOOD PRESERVATIVE

- .1 Surface-applied wood preservative: coloured, or copper naphthenate or 5% pentachlorophenol solution, water repellent preservative.

3 Execution

3.1 CONSTRUCTION

- .1 Comply with requirements of NBC 1995, Part 9, supplemented by the following paragraphs.

3.2 ERECTION OF FRAMING MEMBERS

- .1 Install members true to line, levels and elevations.

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

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

3.3 FURRING AND BLOCKING

.1 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 Align and plumb faces of furring and blocking to tolerance of 1:600.

.3 Install furring to support siding applied vertically where there is no blocking and where sheathing is not suitable for direct nailing.

3.4 NAILING STRIPS, GROUNDS AND ROUGH BUCKS

.1 Install rough bucks, nailers and linings to rough openings as required to provide backing for frames and other Work.

3.5 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.

3.6 ELECTRICAL EQUIPMENT BACKBOARD

.1 Provide backboards for mounting electrical equipment as required. Use 19 mm thick plywood on 19 x 38 mm furring around perimeter and at maximum 300 mm intermediate spacing.

END OF SECTION