
Part 1 General

1.1 SCOPE OF WORK

- .1 Supply all materials, labour and equipment required to complete all carpentry work to the full intent of the Drawing and Specifications.

1.2 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.

1.3 DELIVERY AND STORAGE

- .1 Deliver and store materials to manufacturer's instructions.
- .2 Store materials under cover on elevated platforms, protected from weather and construction activities.
- .3 Remove and replace damaged or broken materials.
- .4 Store materials away from open flame or ignition sources.
- .5 Do not transport any materials through the building.

1.4 REFERENCES

- .1 Reference Standards quoted in this section refer to:
 - .1 CSA-O80.1-M97; Preservative Treatment for all Timber Products by Pressure Processes.
 - .2 CSA-O121-M1978 Douglas Fir Plywood.
 - .3 CSA-O151-M1978 Canadian Softwood Plywood.
 - .4 CSA-0141-1970.
 - .5 NLGA Standard Grading Rules for Canadian Lumber, 1987 edition.

Part 2 Products

2.1 MATERIALS

- .1 Lumber: unless specified otherwise, softwood, S2S, moisture content 19% or less in accordance with following standards:
 - .1 CSA-0141.
 - .2 NLGA Standard Grading Rules for Canadian Lumber.
- .2 Furring, blocking, nailing strips, grounds, rough bucks, curbs, fascia backing and sleepers:
 - .1 S2S is acceptable for all surfaces.
 - .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 Pressure treated wood: Grade No. 2, Northern softwood species in accordance with the "Standard Grading Rules for Canadian Lumber" issued by the N.L.G.A. Wood to be pressure treated in accordance with CSA-080.1 to a net retention of 4.0 kg/m³.

2.2 PANEL MATERIALS

- .1 Canadian softwood plywood (CSP): to CSA-0151, standard construction.
- .2 Pressure treated plywood: exterior grade, solid one side, meeting CSA-0121 or CSA-0151. Plywood to be pressure treated in accordance with CSA-080.9 to an average net retention of 4.0 kg/m³.

2.3 Fasteners

- .1 Nails, spikes and staples: to CSA-B111.
- .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, use galvanized fasteners for all work.
- .5 Fasteners for wood: Galvanized steel wood screws with countersunk heads of size and length to provide secure anchorage.
- .6 Fasteners for masonry and concrete: Tapcon Anchors as supplied by Buildex or approved equivalent. Length to suit material thickness.

2.4 WOOD PRESERVATIVE

- .1 All lumber and panel materials area to be pressure-treated in factory with CCA preservative.
- .2 Surface-applied wood preservative: colored, copper naphthenate or 5% pentachlorophenol solution, water repellent preservative.
- .3 Wood preservative: Chromated Copper Arsenate (CCA) to CSA 080.1, green colour.

2.5 ACCESSORIES

- .1 Not applicable.

Part 3 Execution

3.1 CONSTRUCTION

- .1 Work to be carried out in accordance with project specifications, drawings, building codes and the Ontario Roofing Contractors Association (ORCA).
- .2 Work to comply with best practices of the trade. All wood blocking to be properly installed/anchored to the steel decking.

3.2 FASTENERS

- .1 Frames, anchor, fasten, tie and brace members to provide necessary strength and rigidity.
- .2 Countersink fasteners and bolts where necessary to provide clearance for other work.

3.3 INSTALLATION

- .1 The work shall be performed by skilled carpenters.
- .2 Install continuous plywood strips and wood blocking, nailers and shims where required and/or detailed on Drawings.
- .3 Securely anchors plywood strips, blocking, cant nailers and shims in-place at 300 mm on centre in a staggered pattern. Fasten plywood, blocking and shims to with appropriate screw fasteners to the existing substrate.
- .4 Co-ordinate work to keep cutting and remedial work to a minimum.
- .5 Treat cut ends of all wood, which is saw-cut on site with wood preservative.
- .6 Fastenings shall be of size and spacing required to assure secure anchorage. The fastening spacing of wood blocking to the substrate and to each other shall not exceed 300 mm unless otherwise accepted in writing by the Departmental Representative.
- .7 Refasten loose existing wood blocking, shims, cants and fascia with screw fasteners as required and to the satisfaction of the Departmental Representative.

3.4 CLEANING

- .1 Remove all surplus materials and debris resulting from the foregoing work daily as the work proceeds and on completion.

END OF SECTION