

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 01 74 19 - Construction/Demolition Waste Management And Disposal
- .2 Section 01 61 00 - Common Product Requirements
- .3 Section 06 05 73 - Treated Wood
- .4 Section 07 21 13 - Board Insulation

1.2 REFERENCES

- .1 Canadian Standards Association (CSA)
 - .1 CSA B111-1974(R2003) - Wire Nails, Spikes and Staples
 - .2 CAN/CSA-O141-91 - Softwood Lumber
 - .3 CSA O151-M1978 - Canadian Softwood Plywood
- .2 National Lumber Grades Authority (NLGA):
 - .1 Standard Grading Rules for Canadian Lumber,2000

1.3 QUALITY ASSURANCE

- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
- .2 Plywood in accordance with CSA standards.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Comply with requirements specified in Section 01 61 00.
- .2 Storage and protection:
 - .1 Store lumber and plywood clear of ground and cover to protect from weather.
 - .2 Keep wood and plywood components dry at all times and stored off ground. Keep ventilated to avoid moisture condensation.

1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 19.
- .2 Separate wood waste and place in designated areas in the following categories for recycling.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, and other packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.Do not burn scrap at the project site.
- .4 Fold up metal banding, flatten, and place in designated area for recycling.

Part 2 Products

2.1 WOOD AND PANEL PRODUCTS

- .1 Lumber: to CSA 0141 and graded in accordance with National Lumber Grades Authority - "Standard Grading Rules"; maximum 19% moisture content; stress group D, No. 2 grade.
- .2 Plywood: Spruce to CSA 0151; sheathing grade.

2.2 ACCESSORIES

- .1 Nails and staples: to CSA B111; sizes and types to suit applications; galvanized..
- .2 Bolts, nuts, washers, lags, pins and screws: sizes and types to suit applications; galvanized.
- .3 Proprietary fasteners: purpose made to suit applications; galvanized.

Part 3 Execution

3.1 INSTALLATION

- .1 Install wood and plywood facings, blocking, plates, backing, nailers, framing and furring true to lines, levels and elevations.
- .2 Install back-up for all components mounted on gypsum board walls that require support. Components include, but are not limited to, architectural woodwork components. Install as follows:
 - .1 Use single layer 19 mm thick plywood.
 - .2 Locate backup centered on fastening line of components being supported.
 - .3 Install backup to extend minimum 1 stud space on each side of component being supported, should conditions permit.
- .3 Construct and install backboards for surface wall mounting electrical equipment and panels. Install as follows:
 - .1 Use 19 mm thick plywood backed by 19 x 38 mm wood furring; place furring around the perimeter of each backboard, and at maximum 300 mm intermediate spacing.
 - .2 Prior to installing backboards ensure that backboards are painted.
- .4 Install wood and plywood components rigidly secure in place, well anchored and with all sections in line with each other. Secure in place as follows, unless detailed otherwise:
 - .1 To steel decking, sheet metal fabrications and steel stud framing: self-tapping and self-drilling screw fasteners.
 - .2 To concrete and concrete block: screw fasteners in conjunction with drilled-in inserts.
 - .3 To structural steel: purpose made through-bolts.

- .5 Place plywood sheathing with all edges occurring over solid bearing. Place sheathing with long dimension at right angles to supporting components.
- .6 Align and plumb faces of wood and plywood components to tolerance of 1:600. Butt wood and plywood tight at joints.

3.2 FASTENING

- .1 Anchor, fasten, tie and brace members to provide necessary strength and rigidity necessary for their end purpose.
- .2 Minimize splitting of components by staggering fasteners in direction of grain, by spacing well in from ends and edges and by pre-drilling holes where necessary.
- .3 Countersink fasteners where necessary to provide clearance for other work.
- .4 Use steel washer disks, in conjunction with the screws, to secure plywood backboards for electrical equipment and panels.

END OF SECTION