

1 General

1.1 RELATED SECTIONS

- .1 Section 06 08 99 - Rough Carpentry for Minor Works.
- .2 Section 07 92 00 - Joint Sealants.
- .3 Section 08 31 00 - Access Doors & Panels.
- .4 Section 08 50 00 - Windows.
- .5 Section 08 71 00 - Door Hardware
- .6 Section 09 21 16 .08 - Gypsum Board Assemblies for Minor Works.
- .7 Section 09 91 00.08 - Painting for Minor Works.

1.2 WORK INCLUDED

- .1 Installation of wood jamb buildout and casing.

1.3 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1, Particleboard.
 - .2 ANSI A208.2, Medium Density Fibreboard (MDF).
 - .3 ANSI/HPVA HP-1, American National Standard for Hardwood and Decorative Plywood
- .2 Canadian General Standards Board (CGSB)
 - .1 .1 CAN/CGSB-11.3, Hardboard.
- .3 Canadian Standards Association (CSA)
 - .1 CSA B111, Wire Nails, Spikes and Staples.
 - .2 CSA O121, Douglas Fir Plywood.
 - .3 CAN/CSA O132.2 Series 90 - Wood Flush doors.
 - .4 CAN/CSA O141, Softwood Lumber.
 - .5 CSA O151, Canadian Softwood Plywood.
 - .6 CSA O153, Poplar Plywood.
- .4 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber, most recent edition.
- .5 National Hardwood Lumber Association (NHLA)
 - .1 Rules for the Measurement and Inspection of Hardwood and Cypress, most recent edition.
- .6 Door and Hardware Institute (DHI)
 - .1 Recommended Locations for Doors and Hardware
 - .2 Installation Guide for Doors and Hardware
 - .3 Installation of Commercial Steel Doors and Frames
 - .4 National Fire Protection Association
 - .5 NFPA No. 80 - Fire Doors and Windows
- .7 ASTM International:
 - .1 ASTM D792 - Standard Test Methods for Density and Specific Gravity (Relative Density) of plastics by Displacement.
 - .2 ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 QUALITY ASSURANCE

- .1 Lumber by grade stamp of agency certified by Canadian Lumber Standards Accreditation Board (CLSAB).
 - .2 Plywood, particleboard, OSB and wood based composite panels to CSA and ANSI
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standards.

- .3 Wood fire rated frames and panels: listed and labelled by an organization accredited by Standards Council of Canada to CAN4 S104 and CAN/ULC-S105.

1.5 SUBMITTALS

- .1 Samples:
 - .1 Submit samples in accordance with Section 01 33 00 - Submittals Procedures.
 - .2 Submit duplicate samples: sample size 300mm x 300mm or 300mm long unless specified otherwise.
- .2 Shop Drawings:
 - .1 Indicate details of construction, profiles, jointing, fastening and other related details.
 - .2 Indicate all materials, thicknesses, finishes and hardware.

1.6 DELIVERY, STORAGE, AND HANDLING

- .1 Deliver, handle, store and protect materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Protect materials against dampness during and after delivery.
- .3 Store materials in ventilated areas, protected from extreme changes of temperature or humidity.

1.7 WASTE MANAGEMENT AND DISPOSAL

- .1 Place in appropriate on-site bins in accordance with Waste Management Plan.
- .2 Set aside damaged wood and dimensional lumber off-cuts for approved alternative uses (e.g. bracing, blocking, cripples, bridging).
- .3 Collect and separate for disposal waste material generated by this Section.
- .4 A clean worksite is mandatory at all times. Failure to maintain the site in a clean, safe condition shall result in the Departmental Representative initiating a clean-up and related costs being deducted from progress claims.

2 Products

2.1 LUMBER MATERIAL

- .1 Softwood lumber: unless specified otherwise, S4S, moisture content 19% or less in accordance with following standards:
 - .1 CAN/CSA O141.
 - .2 NLGA Standard Grading Rules for Canadian Lumber.
 - .3 AWMAC premium grade, moisture content as specified.
- .2 Machine stress rated lumber is acceptable for all purposes.
- .3 Hardwood lumber: moisture content 10% or less in accordance with following standards:
 - .1 National Hardwood Lumber Association (NHLA).
 - .2 AWMAC custom grade, moisture content as specified.

2.2 PANEL MATERIAL

- .1 Panel materials to be urea-formaldehyde free.
 - .2 Douglas fir plywood (DFP): to CSA O121, standard construction.
 - .3 Canadian softwood plywood (CSP): to CSA O151, standard construction.
 - .4 Hardwood plywood: to ANSI/HPVA HP-1.
 - .5 Poplar plywood (PP): to CSA O153, standard construction.
 - .6 Hardboard: to CAN/CGSB-11.3.
 - .7 Medium density fibreboard (MDF): to ANSI A208.2, density 769 kg/m³.
 - .8 Decorative overlaid composite panels.
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- .1 Decorative overlay, heat and pressure laminated with suitable resin to 12.7 mm thick particleboard MDF core.
- .2 Overlay bonded to both faces where exposed two sides, and when panel material require surface on one side only, reverse side to be overlaid with a plain (buff) balancing sheet.
- .3 Edge finishing: matching melamine and polyester overlay edge strip with self-adhesive.

2.3 ACCESSORIES

- .1 Nails and staples: to CSA B111; galvanized to CAN/CSA-G164 for exterior work, interior humid areas and for treated lumber; plain finish elsewhere.
- .2 Wood screws: plain, type and size to suit application.
- .3 Splines: wood.
- .4 Adhesive: recommended by manufacturer.
- .5 Use least toxic sealants, adhesives, sealers, and finishes necessary to comply with requirements of this section.
- .6 Door silencers; Single stud rubber/neoprene type.

3 Execution

3.1 INSTALLATION

- .1 Do finish carpentry to Quality Standards of the Architectural Woodwork Manufacturers Association of Canada (AWMAC), except where specified otherwise.
- .2 Scribe and cut as required, fit to abutting walls, and surfaces, fit properly into recesses and to accommodate piping, columns, fixtures, outlets, or other projecting, intersecting or penetrating objects.
- .3 Form joints to conceal shrinkage.

3.2 CONSTRUCTION

- .1 Fastening
 - .1 Position items of finished carpentry work accurately, level, plumb, true and fasten or anchor securely.
 - .2 Design and select fasteners to suit size and nature of components being joined. Use proprietary devices as recommended by manufacturer.
 - .3 Set finishing nails to receive filler. Where screws are used to secure members, countersink screw in round cleanly cut hole and plug with wood plug to match material being secured.
 - .4 Replace items of finish carpentry with damage to wood surfaces including hammer and other bruises.
- .2 Standing and running trim
 - .1 Butt joints of buildout to make snug, tight, joint. Cut right angle joints of casing with mitred joints.
 - .2 Fit backs of casing snugly to wall surfaces to eliminate cracks at junction of casing with walls.
 - .3 Make joints in baseboard, where necessary using a 45° scarf type joint.
 - .4 Install door and window trim in single lengths without splicing.

END OF SECTION
