

PART 1 -  
GENERAL

1.1

REFERENCES

- .1 American National Standards Institute (ANSI)
  - .1 ANSI A208.1-09, Particleboard.
  - .2 ANSI A208.2-09, Medium Density Fibreboard (MDF) for Interior Applications.
- .2 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
  - .1 Architectural Woodwork Quality Standards, 1st edition, 2009.
- .3 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-11.3-M87, Hardboard.
- .4 CSA International
  - .1 CAN/CSA-A247-M86(R1996), Insulating Fibreboard.
  - .2 CSA B111-74(R2003), Wire Nails, Spikes and Staples.
  - .3 CAN/CSA G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.
  - .4 CSA O115-M82(R2001), Hardwood and Decorative Plywood.
  - .5 CSA O121-M78(R2003), Douglas Fir Plywood.
  - .6 CSA O141-05, Softwood Lumber.
  - .7 CSA O151-09, Canadian Softwood Plywood.
  - .8 CSA O153-M1980(R2008), Poplar Plywood.
- .5 National Lumber Grades Authority (NLGA)
  - .1 NLGA Standard Grading Rules for Canadian Lumber [2008].
- .6 Underwriters Laboratories of Canada (ULC)
  - .1 CAN4-S104-80(R1985), Standard Method for Fire Tests of Door Assemblies.
  - .2 CAN/ULC-S105-09, Standard Specification for Fire Door Frames.

1.2

INFORMATION.  
AL

SUBMITTALS

- .1 Submit in accordance with Section 01330 - Submittal Procedures.
- .2 Indicate details of construction, profiles, jointing, fastening and other related details.
- .3 Indicate materials, thicknesses, finishes and hardware.
- .4 Samples:
  - .1 Submit for review and acceptance of each unit.
  - .2 Samples will be returned for inclusion into work.
  - .3 Submit duplicate 300 x 300 mm or 600 mm long samples of prefinished materials and trim.

1.3

DELIVERY,  
STORAGE AND

- .1 Deliver, store and handle materials in accordance with Section 01610 - Basic Product Requirements and with manufacturer's written instructions.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original

HANDLING

- factory packaging, labeled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
    - .1 Store materials in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
    - .2 Store and protect from nicks, scratches, and blemishes.
    - .3 Replace defective or damaged materials with new.
  - .4 Packaging Waste Management: remove for reuse and return packaging materials in accordance with Section 01355 - Waste Management and Disposal.

PART 2 -  
PRODUCTS

2.4  
MATERIALS

- .1 Softwood lumber: S4S, moisture content 19% or less in accordance with following standards:
  - .1 CSA O141.
  - .2 NLGA Standard Grading Rules for Canadian Lumber.
  - .3 AWMAC premium grade, moisture content 6 to 8%.
  - .4 Machine stress-rated lumber is acceptable.
  - .5 Hardwood lumber: birch, moisture content in accordance with following standards:
    - .1 National Hardwood Lumber Association (NHLA).
    - .2 AWMAC premium grade, moisture content as specified.
- .2 Panel Material: Urea-formaldehyde free
  - .1 Douglas fir plywood (DFP): to CSA O121, standard construction.
  - .2 Canadian softwood plywood (CSP): to CSA O151, standard construction.
  - .3 Hardwood plywood: to ANSI/HPVA HP-1.
  - .4 Poplar plywood (PP): to CSA O153, standard construction.
  - .5 Particleboard: to ANSI A208.1.
  - .6 Hardboard: to CAN/CGSB-11.3.
  - .7 Medium density fiberboard (MDF): to ANSI A208.2, density 640-800 kg/m<sup>3</sup>.
  - .8 Low density fiberboard: to CSA-A247M.

2.5  
ACCESSORIES

- .1 Nails and staples: to CSA B111; galvanized to CAN/CSA-G164 for all uses.
- .2 Wood screws: electroplated or stainless steel, type and size to suit application.
- .3 Splines: metal.
- .4 Adhesive and Sealants: recommended by manufacturer.
- .5 Use least toxic sealants, adhesives, sealers, and finishes necessary to comply with requirement of this section.
- .6 Panel reveals as detailed from 19 mm wide x 19 mm deep aluminum channel and 19 mm wide flat strips, with brushed aluminum.

PART 3 -  
EXECUTION

- 3.6  
EXAMINATION  
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- .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for wood products installation in accordance with manufacturer's written instructions.
    - .1 Visually inspect substrate in presence of HRM Representative.
    - .2 Inform HRM Representative of unacceptable conditions immediately upon discovery.
    - .3 Proceed with selective deconstructions as per drawings
    - .4 Review newly exposed conditions with HRM Representative and Consultant and undertake corrective action as needed.
    - .5 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Consultant.
- 3.7  
INSTALLATION  
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- .1 Do finish carpentry to Quality Standards of (AWMAC).
  - .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.
- 3.8  
CONSTRUCTION  
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- .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 smooth 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 and cope internal joints of baseboards to make snug, tight, joint. Cut right angle joints of casing and base with mitred joints.
    - .2 Fit backs of baseboards and casing snugly to wall surfaces to eliminate cracks at junction of base and casing with walls.
    - .3 Make joints in baseboard, where necessary using a 45 degrees scarf type joint.
    - .4 Install door and window trim in single lengths without splicing.
  - .3 Interior and exterior frames:
    - .1 Set frames with plumb sides and level heads and sills and secure.
  - .4 Wooden Benches:
    - .1 exterior furniture to be constructed of pressure treated lumber using 304

stainless steel screws.

.2 All furniture to be permanently secured to the floor or wall using 63 mm (2-1/4") 304 stainless angles.

.4 Screens and shelving:

.1 Install shelving on ledgers or on appropriate mounting hardware as indicated.

.2 Exterior elements to be constructed of pressure treated lumber using 304

.5 Hardware:

.1 Install hardware specified in Section 08710.

3.14

CLEANING

.1 Progress Cleaning: Leave Work area clean at end of each day.

.2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment.

.3 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

3.15

PROTECTION

.1 Protect installed products and components from damage during construction.

.2 Repair damage to adjacent materials caused by finish carpentry installation.

END OF SECTION