

PART 1 -
GENERAL

- 1.1
REFERENCES
- .1 American National Standards Institute (ANSI)
 - .1 ANSI/NPA A208.1-09, Particleboard.
 - .2 ANSI/NPA A208.2-09, Medium Density Fiberboard (MDF) for Interior Applications.
 - .2 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
 - .1 Architectural Woodwork Quality Standards Illustrated, 8th edition, Version 1.0 (2009).
 - .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
 - .4 CSA International
 - .1 CSA B111-74(R2003), Wire Nails, Spikes and Staples.
 - .2 CSA O112.4 SERIES-M1977(R2006), Standards for Wood Adhesives.
 - .3 CSA O121-08, Douglas Fir Plywood.
 - .4 CSA O141-05, Softwood Lumber.
 - .5 CSA O151-09, Canadian Softwood Plywood.
 - .6 CSA O153-M1980(R2008), Poplar Plywood.
 - .5 National Lumber Grades Authority (NLGA)
 - .1 Standard Grading Rules for Canadian Lumber 2003(R2007).
- 1.2
INFORMATION
AL
SUBMITTALS
- .1 Shop Drawings:
 - .1 Indicate details of construction, profiles, jointing, fastening and other related details.
 - .1 Scales: profiles full size, details half full size.
 - .2 Indicate materials, thicknesses, finishes and hardware.
 - .3 Indicate locations of service outlets in casework, and connections, attachments, anchorage and location of exposed fastenings.
 - .2 Samples:
 - .1 Submit for review and acceptance of each unit.
 - .2 Samples will be returned for inclusion into work.
 - .3 Submit duplicate samples of laminated plastic for colour selection, joints, edging, cutouts and postformed profiles.
- 1.3
ASSURANCE
- .1 Lumber by grade stamp of an agency certified by Canadian Lumber Standards Accreditation Board.
 - .2 Plywood, particleboard, MDF, OSB and wood based composite panels to CSA and ANSI standards.
- 1.4
STORAGE AND
HANDLING
- .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

- factory packaging, labeled with manufacturer's name and address.
- .1 Protect millwork against dampness and damage during and after delivery.
- .2 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.
- .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 architectural woodwork from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
- .4 Packaging Waste Management: remove for reuse and return of packaging in accordance with Section 01355 - Waste Management and Disposal.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Softwood lumber: unless specified otherwise, S4S, moisture content 6 to 8% or less in accordance with following standards:
 - .1 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 6 to 8 % or less in accordance with following standards:
 - .1 National Hardwood Lumber Association (NHLA).
 - .2 AWMAC premium grade, moisture content as specified.
- .4 Douglas fir plywood (DFP): to CSA O121, standard construction.
- .5 Hardwood plywood: to ANSI/HPVA HP-1.
- .6 Poplar plywood (PP): to CSA O153, standard construction.
- .7 Interior mat-formed wood particleboard: to ANSI/NPA A208.1.
- .8 Birch plywood: to AWMAC Select White.
- .9 Hardboard:
 - .1 To CAN/CGSB-11.3.
- .10 MDF (medium density fiberboard) core: to ANSI/NPA A208.2, density 769 kg/m².
 - .1 Medium density fiberboard performance requirements to: ANSI/NPA A208.2.
 - .2 MDF resin to contain no added urea-formaldehyde.
- .11 Nails and staples: to CSA B111.
- .13 Wood screws: stainless steel, type and size to suit application.
- .14 Splines: metal.
- .15 Sealant: in accordance with Section 07900 - Joint Sealers.

- 2.2
FABRICATION
- .1 Set nails and countersink screws apply stained wood filler to indentations, sand smooth and leave ready to receive finish.
 - .2 Shop install cabinet hardware for doors, shelves and drawers. Recess shelf standards unless noted otherwise.
 - .3 Shelving to cabinetwork to be adjustable unless otherwise noted.
 - .4 Provide cutouts for plumbing fixtures, inserts, appliances, outlet boxes and other fixtures.
 - .5 Shop assemble work for delivery to site in size easily handled and to ensure passage through building openings.
 - .6 Obtain governing dimensions before fabricating items which are to accommodate or abut appliances, equipment and other materials.
- 2.3
FINISHING
- .1 Finish each surface where exposed. Consider that all visible surfaces are exposed, including underside of work above 760 mm from floor, casework interiors and tops of upper casework.
 - .2 Finish in accordance with Section 099113 - Painting.

PART 3 -
EXECUTION

- 3.9
EXAMINATION
N
- .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for architectural woodwork installation in accordance with manufacturer's instructions.
 - .1 Visually inspect substrate in presence of Consultant.
 - .2 Inform Consultant of unacceptable conditions immediately upon discovery.
 - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Consultant.
- 3.10
INSTALLATION
N
- .1 Do architectural woodwork to Quality Standards of AWMAC.
 - .2 Install prefinished millwork at locations shown on drawings. Position accurately, level, plumb straight.
 - .3 Fasten and anchor millwork securely. Provide heavy duty fixture attachments for wall mounted cabinets.
 - .4 Use draw bolts in countertop joints.
 - .5 Scribe and cut as required to fit abutting walls and to fit properly into recesses and to accommodate piping, columns, fixtures, outlets or other projecting, intersecting or penetrating objects.

- .6 At junction of plastic laminate counter back splash and adjacent wall finish, apply small bead of sealant in accordance with Section 07900 - Joint Sealers.
- .7 Apply water resistant building paper over wood framing members in contact with masonry or cementitious construction.
- .8 Fit hardware accurately and securely in accordance with manufacturer's written instructions.
- .9 Install hardware in location as detailed.

3.11
CLEANING

- .1 Clean millwork and cabinet work inside and outside.
- .2 Remove excess glue from surfaces.

3.12
PROTECTION

- .1 Protect millwork and cabinet work from damage until final inspection.

END OF SECTION