

Part 1 General

1.1 RELATED REQUIREMENTS

- .1 Rough Carpentry

1.2 REFERENCES

- .1 American National Standards Institute (ANSI)
 - .1 ANSI A208.1-[09], Particleboard.
 - .2 ANSI A208.2-[09], Medium Density Fiberboard (MDF) for Interior Applications.
 - .3 ANSI/HPVA HP-1-[10], Standard for Hardwood and Decorative Plywood.
- .2 ASTM International
 - .1 ASTM E1333-[10], Standard Test Method for Determining Formaldehyde Concentrations in Air and Emission Rates From Wood Products Using a Large Chamber.
- .3 Architectural Woodwork Manufacturers Association of Canada (AWMAC) and Architectural Woodwork Institute (AWI)
 - .1 Architectural Woodwork Quality Standards Illustrated, 8th edition, Version 1.0 (2009).
- .4 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-71.20-[M88], Adhesive, Contact, Brushable.
- .5 Canadian Standards Association (CSA)
 - .1 CSA B111-[74(R2003)], Wire Nails, Spikes and Staples.
 - .2 CSA O112.10-[08], Evaluation of Adhesives for Structural Wood Products (Limited Moisture Exposure).
 - .3 CSA O121-[08], Douglas Fir Plywood.
 - .4 CSA O141-[05(R2009)], Softwood Lumber.
 - .5 CSA O151-[09], Canadian Softwood Plywood.
 - .6 CSA O153-[M1980(R2008)], Poplar Plywood.
 - .7 CAN/CSA-Z809-[08], Sustainable Forest Management.
- .6 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .7 National Hardwood Lumber Association (NHLA)
 - .1 Rules for the Measurement and Inspection of Hardwood and Cypress [2011].
- .8 National Lumber Grades Authority (NLGA) Standard Grading Rules for Canadian Lumber [2010].

1.3 SUBMITTALS

- .1 Shop Drawings to be submitted showing the following:
 - .1 Indicate details of construction, profiles, jointing, fastening and other related details.
 - .2 Indicate materials, thicknesses, finishes and hardware.

- .3 Indicate locations of service outlets in casework, [typical and special installation conditions], 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 Compact laminate colors as specified.
 - .4 Submit duplicate samples of Solid Surface Countertop as specified.
- .3 Certifications: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.

1.4 QUALITY ASSURANCE

- .1 Provide Certificate of Quality Compliance upon completion of Fabrication, in accordance with Architectural Wood Work Manufacturer's Association of Canada (AWMAC) quality standards.
- .2 Provide Certificate of Quality Compliance upon satisfactory completion of installation.
- .3 Work shall be in accordance with the Grade or Grades specified of the Architectural Wood Work Standards.
- .4 Qualification:
 - .1 Firm (wood Work manufacturer) with no less than 7-10 years of production experience similar to a specific project, whose qualifications indicate the ability to comply with the requirements of this Section and can demonstrate familiarity with the specified products.
- .5 Mock-ups:
 - .1 Construct mock-ups as follows.
 - .1 Shop prepare one wall cabinet, complete with hardware and install where directed by Contract Administrator. Allow 48 hours for inspection of mock-up by City of Winnipeg before proceeding with Work.
 - .2 When accepted, mock-up will demonstrate minimum standard for Work.
 - .3 Do not proceed with work prior to receipt of written acceptance of mock-up by Contract Administrator
 - .4 Mock-up may remain as part of finished work if acceptable.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with manufacturer's written instructions].
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address. Protect millwork against dampness and damage during and after delivery.
 - .1 Store millwork in ventilated areas, protected from extreme changes of temperature or humidity.
- .3 Storage and Handling Requirements:
 - .1 Store materials indoors [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. Solid Surface countertops are to be covered after installation.
- .3 Replace defective or damaged materials with new.

1.6 SCHEDULING

- .1 Coordinate fabrication, delivery, and installation with the General Contractor and other applicable trades.

Part 2 Products

2.1 MATERIALS

- .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.

2.2 MANUFACTURED UNITS

- .1 Reception Desk Casework:
 - .1 Fabricate caseworks to AWMAC premium quality grade.
 - .2 Furring, blocking, nailing strips, grounds and rough bucks and sleepers.
- .2 Reception Desk Case Work Body: Fabricate body to AWMAC premium grade supplemented as follows:
 - .1 PLAM-1: Formations ONbord product; Serica Series Panels; Color: Blue BL 6230; Panels Size: 49"x109"x 3/4" thick product. Matching Edge treatment required.
- .3 Reception Desk File Drawer Units: Fabricate drawers to AWMAC [premium] [custom] grade supplemented as follows:
 - .1 Sides and Backs:
 - .1 PLAM-1: Formations ONbord product; Serica Blue BL 6230;
 - .2 Bottoms:
 - .1 PLAM-1: Formations ONbord product; Serica Blue BL 6230;
 - .3 Fronts:
 - .1 PLAM-1: Formations ONbord product; Serica Blue BL 6230;
- .4 Casework Doors: (Reception Desk Casework)
 - .1 Fabricate doors to AWMAC premium grade supplemented as follows:
 - .1 PLAM-1: Formations ONbord product; Serica Blue BL 6230;
- .5 Shelving: (Adjustable and Fixed)
 - .1 As specified on drawings: PLAM-1: Formations ONbord product; Serica Blue BL 6230;
- .6 Base:

- .1 3/4" fir plywood marine base, finished with either Rubber Coved base (RCB- 1 or RCB-2) or Stainless Steel (SS). Refer to Drawings for locations.
- .7 Solid Surface Countertop SSC-1: (Reception Desk)
 - .1 Refer to Section 123661 Solid Surfacing Countertops

2.3 FABRICATION

- .1 Set nails and countersink screws apply [stained] [plain] 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.

2.4 ACCESSORIES

- .1 Adhesive: As recommended by manufacturer.
- .2 Grommets: Provide 2" dia. Plastic Grommets- black in color for cabinet bodies; white for countertops. Location and quantity as indicated on drawings from Reception Desk casework.
- .3 Cabinet hardware: As specified on drawings.

Part 3 Execution

3.1 EXAMINATION

- .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 Verify the adequacy and proper location of any required backing or support framing.
 - .2 Verify that Mechanical, Electrical, Plumbing, and other building components affecting Work in this Section are in place.

3.2 INSTALLATION

- .1 Do architectural woodwork to Quality Standards of AWMAC.
- .2 Install prefinished millwork at locations shown on drawings.
 - .1 Position accurately, level, plumb straight.

- .3 Fasten and anchor millwork securely.
 - .1 Supply and install heavy duty fixture attachments for wall mounted cabinets.
- .4 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.
- .5 At junction of Solid Surface counter back splash and adjacent wall finish, apply small bead of sealant in accordance with Section 123661
- .6 Fit hardware accurately and securely in accordance with manufacturer's written instructions.

3.3 CLEANING

- .1 Progress Cleaning:
 - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment.
 - .1 Clean millwork and cabinet work inside cupboards and drawers, and outside surfaces
 - .2 Remove excess glue from surfaces.

3.4 PROTECTION

- .1 Protect millwork and cabinet work from damage until final inspection.
- .2 Protect installed products and countertops from damage during construction.
- .3 Repair damage to adjacent materials caused by architectural woodwork installation.

3.5 SCHEDULES

- .1 Refer to Millwork Hardware Schedule on drawings.

END OF SECTION 064000