

Part 1 General

1.1 SECTION INCLUDES

- .1 Roof curbs, perimeter nailers; parapets;
- .2 Blocking in wall and roof openings.
- .3 Sheathing.
- .4 Wood furring and grounds; over head door bucks.
- .5 Roof / wall air - vapour barrier transition backing.
- .6 Concealed wood blocking for support of all items and equipment deriving support from the walls or ceilings.
- .7 Telephone and electrical panel back boards.

1.2 RELATED SECTIONS

- .1 Section 03 30 00 – Cast-In-Place Concrete: Concrete openings to receive wood blocking.
- .2 Section 04 20 00 – Unit Masonry System: Masonry openings to receive wood blocking.
- .3 Section 06 20 00 - Finish Carpentry
- .4 Section 09 21 16 - Gypsum Board Assemblies
- .5 Section 07 52 13 – Modified Bituminous Roofing.

1.3 REFERENCES

- .1 CSA O80M - Wood Preservation.
- .2 NLGA (National Lumber Grades Authority) - Standard Grading Rules for Canadian Lumber.
- .3 CSA O121M - Douglas Fir Plywood.
- .4 CSA O141 - Softwood Lumber.
- .5 CSA O151M - Canadian Softwood Plywood.

1.4 QUALITY ASSURANCE

- .1 Perform Work in accordance with the following agencies:
 - .1 Lumber Grading Agency: Certified by NLGA.
 - .2 Wood Treatment: CSA O80M.

Part 2 Products

2.1 MATERIALS

- .1 Lumber Grading Rules: NLGA
- .1 Miscellaneous Framing: CSA O141, Non-structural light grading 19 percent maximum moisture content.
- .2 Plywood: CSA O121M - Douglas Fir CSA O151M - Softwood type, with waterproof glue.

2.2 ACCESSORIES

- .1 Fasteners and Anchors:
 - .1 Fasteners: Hot dipped galvanized steel meeting CAN/CSA-G164, minimum coating of 300 g/m² for high humidity and treated wood locations, unfinished steel elsewhere.
 - .2 Anchors: Toggle bolt type for anchorage to hollow masonry. Expansion shield and lag bolt type for anchorage to solid masonry or concrete. Bolt or ballistic fastener for anchorages to steel.

2.3 FACTORY WOOD TREATMENT

- .1 Wood Preservative (Pressure Treatment): CSA O80M using water borne preservative with 0.30 percent retainage, manufactured by Wolman..

Part 3 Execution

3.1 FRAMING

- .1 Set members level and plumb, in correct position.
- .2 Place horizontal members, crown side up.
- .3 Construct curb members of single pieces.
- .4 Space framing and furring 400 mm oc.
- .5 Curb roof openings except where prefabricated curbs are provided. Form corners by alternating lapping side members.
- .6 Coordinate curb installation with installation of decking and support of deck openings, roofing vapour retardant, parapet construction.
- .7 Place miscellaneous blocking, furring, strapping, canting, nailing strips, framing and sheathing where indicated on drawings and as required for secure support of anchorage of other specified materials. Place members true to lines and levels. Secure rigidly in place.
- .8 Coordinate the installation of bucks, anchors, blocking, electrical and mechanical work which is to be placed in or behind partitions. Allow such items to be installed after partition framing is complete. Ensure that allowance is made for thickness of wall finish to be applied.

3.2 SHEATHING

- .1 Place sheathing with end joints staggered. Secure sheets over firm bearing. Maintain minimum 1.5 mm and maximum 3 mm spacing between joints on walls. Place perpendicular to framing members.
- .2 Install telephone and electrical panel back boards with plywood sheathing material where required. Size the back board by 300 mm beyond size of electrical panel.

3.3 BLOCKING

- .1 Provide blocking for all other trades attaching items to walls or ceilings.

3.4 SITE APPLIED WOOD TREATMENT

- .1 Apply preservative treatment in accordance with manufacturer's instructions.
- .2 Brush apply one two coats of preservative treatment on wood in contact with cementitious materials and roofing and related metal flashings. Treat site-sawn cuts.
- .3 Allow preservative to dry prior to erecting members.

END OF SECTION

Part 1 General

1.1 SECTION INCLUDES

- .1 Finish carpentry items including shop prefabricated casework and countertops.
- .2 Plastic laminate panels.
- .3 Hardware and attachment accessories.

1.2 RELATED SECTIONS

- .1 Section 06 10 00 - Rough Carpentry
- .2 Section 08 14 16 - Flush Wood Doors.
- .3 Section 09 90 00 - Painting and Coatings.
- .4 Mechanical items in casework.
- .5 Electrical items in casework.

1.3 REFERENCES

- .1 ANSI A208.0 – Medium Density Fiberboard
- .2 ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- .3 NLGA (National Lumber Grades Authority) - Standard Grading Rules for Canadian Lumber.
- .4 AWI / AWMAC QSI - Quality Standards Illustrated.

1.4 SUBMITTALS

- .1 Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- .2 Submit two samples of wood trim, and door/ window framing material 12” long.

1.5 QUALITY ASSURANCE

- .1 Perform work in accordance with AWI /AWMAC QSI Custom Quality.

1.6 QUALIFICATIONS

- .1 Fabricator: Company specializing in fabricating the products specified in this section with minimum five years documented experience.

1.7 DELIVERY, STORAGE, AND HANDLING

- .1 Protect work from moisture damage.

- .2 Store materials in ventilated interior locations with constant minimum temperatures of 16 degrees C and maximum relative humidity of 55 percent.

1.8 COORDINATION

- .1 Coordinate the work with plumbing and electrical rough-in, installation of associated and adjacent components.

1.9 FIELD MEASUREMENTS

- .1 Verify that field measurements are as on shop drawings instructed by the manufacturer.

Part 2 Products

2.1 LUMBER MATERIALS

- .1 Hardwood Lumber: Graded in accordance with AWI /AWMAC QSI Premium; species and finish to match existing, maximum moisture content of 6 percent of quality suitable for transparent finish.

2.2 SHEET MATERIALS

- .1 Hardwood Plywood: Conforming to requirements of CSA 0115; Graded in accordance with AWI /AWMAC QSI AA face veneer; MDF core, type of glue recommended for application, face species select white maple, for transparent finish.
- .2 Medium Density Fiberboard (MDF): ANSI A208.2; composed of wood fibre, 769 kg/m³ density, water resistant adhesive; sanded faces.
- .3 Stainless steel mail slot (Room G202): 1.2 mm type 304 stainless steel sheet with No. 4 finish; hem all our sides 6 mm.

2.3 PLASTIC LAMINATE MATERIALS

- .1 Plastic Laminate: to CAN3-A172- M; 0.050 inch General Purpose quality; colour, pattern, and surface texture as selected.
- .2 All laminate with a grain shall be installed with grain running vertical.
 - .1 PLAM-1: Nevamar fine Sycamore Textured; W-8-351
 - .2 PLAM-2: Arborite; Wenge W-412-VL Velvatex texture; Note: 5'-0" wide x 12'-0" high sheets of PLAM-2 to be ordered.
 - .3 PLAM-3: Wilsonart; 4830-07 Satin Stainless.
 - .4 PLAM-4: Arborite; Silvertone Granite P-989-CA; Cashmere texture.
 - .5 PLAM-5: Formica 86551-58 Ebony Granite; Matte Finish.
 - .6 PLAM-6: Formica 7702-58 Celadon Glaze; Matte Finish.
 - .7 PLAM-7: Formica 6930-NT Natural Cane; Naturelle Finish.
 - .8 PLAM-8: Pionite Graphite Talc; AG361-W Slate.
 - .9 PLAM-9: Formica 3689-58 Himalayan Slate; Matte Finish.

- .10 PLAM-10: Pionite Negotiating in Geneva PFA60. Suede Finish.
- .11 PLAM-10: Nevamar Claro prima Vera Textured; WZ2002T.
- .12 PLAM-11: Pionite Sable AG021, Suede finish.
- .3 Laminate Backing Sheet: 0.020 inch Backing Sheet grade, undecorated plastic laminate; manufactured by .

2.4 EDGE TAPE

- .1 ET-1: Doellken-Woodtape; Riviera Maple 3728; 3 mm thick.
- .2 ET-2: Woodtape Accent Edge PVC; Nubian Brown 2304; 3 mm thick.
- .3 ET-3: Woodtape Accent Edge PVC; Fog Grey 2424; 3 mm thick.

2.5 FASTENERS

- .1 Fasteners: Of size and type to suit application.
- .2 Plastic laminate panel fasteners: stainless steel torx countersunk screws with stainless steel cup washers.

2.6 ADHESIVE

- .1 Adhesive: Type recommended by laminate manufacturer to suit application.

2.7 ACCESSORIES

- .1 Wood Filler: tinted to match surface finish colour.

2.8 HARDWARE

- .1 Shelf Rests: Steel shelf supports for predrilled holes; Knape and Vogt 345 NP anochrome finish.
- .2 Drawer and Door Pulls (Type A): Richelieu model no 3487.0219; 170 stainless steel finish; 219 mm / c.c.
- .3 Drawer and Door Pulls (Type B): Richelieu model no 3487.333; 170 stainless steel finish; 333 mm / c.c.
- .4 Coat rods: KV 770 1 Bright Chrome tubing; with #734 end flanges; provide one centre support per 1200 mm length, # 760.
- .5 Cabinet Locks: Keyed cylinder, two keys per lock, keyed differently and master keyed, steel with chrome satin finish.
- .6 Drawer Slides: Galvanized steel construction, ball bearings separating tracks, full extension type. K V 1428, length to suit.
- .7 Hinges: concealed hinges, 110° opening, spring closed, steel with satin finish.

- .8 Continuous Piano Hinge: Richelieu Nickel finish width and length to suit application.
- .9 Felt door bumpers.
- .10 Grommet: Black McKillikan Model US Futaba No. 6391 9 5mm x 44 mm.
- .11 Countertop Waste bin: Richelieu Model no 36169090, black lid. Located in Room G193A countertop.

2.9 FABRICATION CASEWORK

- .1 Fabricate to AWI /AWMAC QSI Custom standards.
- .2 Shop assemble work for delivery to site, permitting passage through building openings.
- .3 All casework shall be constructed as noted below unless otherwise noted on the drawings:
 - .1 All casework to be plastic laminate on 19 mm MDF core unless otherwise indicated.
 - .2 All countertops with sinks shall be plastic laminate on 19 mm veneer core plywood.
 - .3 Counter tops shall be self edged plastic laminate.
 - .4 Drawers: plastic laminate on 16 mm MDF sides, front (box drawers) and back with 6 mm hardboard bottoms.
 - .5 Drawer fronts and doors shall be plastic laminate on 19 mm MDF core.
 - .6 Cap exposed plastic laminate finish edges with 3 mm PVC edge tape as specified.
 - .7 Apply edging to all edges of loose shelves.
 - .8 Apply plastic laminate on toe kicks.
 - .9 All plastic laminate with a grain shall run vertically.
- .4 Provide cutouts for plumbing fixtures, fixtures and fittings. Verify locations of cutouts from on-site dimensions. Seal cut edges.
- .5 When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- .6 Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 600 mm from sink cut-outs.
- .7 Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

2.10 PLASTIC LAMINATE PANELS

- .1 Fabricate to AWI /AWMAC QSI Custom standards.
- .2 Panels to be Plastic laminate on 19 mm MDF core.

- .3 Apply plastic laminate on reverse side to balance panel.
- .4 Finish exposed edges and all edges of veneer faced panels with matching plastic laminate. Apply edging prior to applying facing.

Part 3 Execution

3.1 EXAMINATION

- .1 Verify adequacy of backing and support framing.
- .2 Verify mechanical, electrical, and building items affecting work of this section are placed and ready to receive this work.

3.2 INSTALLATION

- .1 Install work in accordance with AWI /AWMAC QSI Custom Quality Standard.
- .2 Set and secure materials and components in place, plumb and level.
- .3 Carefully scribe work abutting other components. Do not use additional overlay trim to conceal larger gaps.

3.3 INSTALLATION CASEWORK

- .1 Set and secure casework in place; rigid, plumb, and level.
- .2 Use fixture attachments in concealed locations for wall mounted components.
- .3 Use concealed joint fasteners to align and secure adjoining cabinet units and counter tops.
- .4 Carefully scribe casework abutting other components, with maximum gaps of 1.5 mm. Do not use additional overlay trim for this purpose.
- .5 Secure cabinet and counter bases to floor using appropriate angles and anchorages.

3.4 INSTALLATION OF PANELS

- .1 Install plastic laminated faced panels to locations indicated.
- .2 Set and secure in place; rigid, plumb, and level.
- .3 Coordinate with section 06 10 00 for blocking behind gypsum board.
- .4 Refer to drawings for exposed screw pattern.

3.5 ERECTION TOLERANCES

- .1 Maximum Variation from True Position: 1.5 mm.

- .2 Maximum Offset from True Alignment with Abutting Materials:1 mm.

END OF SECTION