

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Roof curbs, cants, and perimeter nailers.
- .2 Blocking in wall and roof openings.
- .3 Wood furring and grounds.
- .4 Concealed wood blocking for support all items and equipment deriving support from the walls.
- .5 Preservative treatment of wood.

1.2 RELATED SECTIONS

- .1 Section 04811 – Single Wythe Masonry
- .2 Section 06200 - Finish Carpentry
- .3 Section 09260 - Gypsum Board Assemblies
- .4 Section 07552 – Modified Bitumen 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, 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 and 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.
- .9 Use PWF material in all exterior walls, parapets and when in contact with cementitious and roofing materials.

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.

3.3 SITE APPLIED WOOD TREATMENT

- .1 Apply preservative treatment in accordance with manufacturer's instructions.
- .2 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 Hardware and attachment accessories.

1.2 RELATED SECTIONS

- .1 Section 06114 – Rough Carpentry
- .2 Section 08211 - Flush Wood Doors.
- .3 Section 09900 - Painting: Painting and finishing of finish carpentry items.
- .4 Division 15 – Mechanical items in casework.
- .5 Division 16 – 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 300 mm 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 Custom;, maximum moisture content of 6 percent.

2.2 SHEET MATERIALS

- .1 Softwood Plywood: Graded in accordance with CSA 0121M- Douglas Fir; AWMAC G1S; veneer core.
- .2 Medium Density Fiberboard (MDF): ANSI A208.2; AWMAC standard, composed of wood fibre, 769 kg/m³ density, water resistant adhesive; sanded faces.

2.3 PLASTIC LAMINATE MATERIALS

- .1 Plastic Laminate: to CAN3-A172- M; 0.050 inch General Purpose quality:
 - .1 Plam 1: Wilsonart Laminate 7909-60 Fusion Maple.
 - .2 Plam 2 Wilsonart Laminate 7589-07; Soky Topaz.
 - .3 Plam 3: Nevamar Armored Protection; Charcoal Essence; Textured; ES6002T
- .2 Laminate Backing Sheet: 0.020 inch Backing Sheet grade, undecorated plastic laminate; manufactured by .

2.4 FASTENERS

- .1 Fasteners: Of size and type to suit application.

2.5 ADHESIVE

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

2.6 HARDWARE

- .1 Shelf Standards and Rests: KV No.255 c/w No.256 supports. Nickel finish.
- .2 Drawer and Door Pulls:
 - .1 Boardroom and Training Room: Hafele stainless steel handles;320 mm centres; Model No. 117.05.640.
 - .2 All other rooms: Richelieu stainless steel D pull, 100 mm centres, Model No. 221..

- .3 Cabinet Locks: Keyed cylinder, two keys per lock, keyed differently, steel with chrome satin finish.
- .4 Drawer Slides: Galvanized steel construction, ball bearings separating tracks, full extension type. K V 1428, length to suit.
- .5 Hinges: concealed hinges, 110° opening, spring closed, steel with satin finish.
- .6 Felt door bumpers.

2.7 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 to be plastic laminate on MDF core unless otherwise indicated.
- .4 Window sills to be post formed plastic laminate on particleboard.
- .5 Surfaces to be plastic laminate.
- .6 Wood grain plastic laminate to run in the following directions.
 - .1 On all vertical surfaces of cabinets: wood grain to run vertical.
 - .2 On window sills and valances: wood grain to run parallel to long dimension of sill or valance.
- .7 Drawers: plastic laminate on MDF sides, front (box drawers) and back with hardboard bottoms.
- .8 Drawer fronts and doors shall be plastic laminate on MDF core.
- .9 Cap exposed plastic laminate finish edges with material of same finish and pattern.
- .10 Provide cutouts for plumbing fixtures, fixtures and fittings. Verify locations of cutouts from on-Site dimensions. Seal cut edges.
- .11 Apply edging to all edges of loose shelves.
- .12 When necessary to cut and fit on Site, provide materials with ample allowance for cutting. Provide trim for scribing and Site cutting.
- .13 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 2 feet from sink cut-outs.
- .14 Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.

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 mm inch. Do not use additional overlay trim for this purpose.
- .5 Secure cabinet and counter bases to floor using appropriate angles and anchorages.

3.4 PREPARATION FOR SITE FINISHING

- .1 Set exposed fasteners. Apply wood filler in exposed fastener indentations and leave ready to receive applied finishes. On items which are to receive transparent finishes, use wood filler which matches surrounding surfaces and of type recommended for applied finishes. Sand Work smooth.

3.5 ERECTION TOLERANCES

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

END OF SECTION