

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.

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

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.

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 16" 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 1/16" and maximum 1/8" 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 12" beyond size of electrical panel.

3.3 BLOCKING

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

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.
- .3 Custom wood slat ceiling finish.
- .4 Wood door frames.
- .5 Veneer Wood Panels.
- .6 Benches.

1.2 RELATED SECTIONS

- .1 Section 06 10 13 - Rough Carpentry.
- .2 Section 08 14 16 - Flush Wood Doors.
- .3 Section 09 91 00 - Painting: finishing of finish carpentry items.
- .4 Section 09 64 27 - Hardwood Flooring.
- .5 Division 22 - Mechanical items in casework.
- .6 Division 26 - Electrical items in casework.

1.3 REFERENCES

- .1 CSA O121, Douglas Fir Plywood.
- .2 CAN/CSA O141, Softwood Lumber.
- .3 ASTM E84 - Test Method for Surface Burning Characteristics of Building Materials.
- .4 ANSI A208.1 - Mat Formed Wood Particleboard.
- .5 NEMA (National Electric Manufacturers Association) LD3 - High Pressure Decorative Laminates.
- .6 NLGA (National Lumber Grades Authority) - Standard Grading Rules for Canadian Lumber.
- .7 BHMA A156.9 - Cabinet Hardware.
- .8 AWI / AWMAC QSI - Quality Standards Illustrated.

1.4 SUBMITTALS

- .1 Section 01 33 00: Submission procedures.

- .2 Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- .3 Submit two samples of wood ceiling boards with specified finish 12" long.
- .4 Submit two sample of veneer faced plywood panels with specified finish 12" x 12" in size.

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 quality standards; finish Reclaimed Elm, 3/4" x 4" wide x random lengths to 8', maximum moisture content of 6 percent of quality suitable for transparent finish; supplied by Wood Anchor; 204-261-1913.
- .2 Bench seating (skate change benches): edged gained clear fir.
- .3 Plywood (veneer faced): AWI /AWMAC QSI Skyply Veneer core plywood core, 0 formaldehyde manufactured by Roseburg Forest products, distributed by McKillican Canada; AA elm face veneer; book match, type of glue recommended for application, voc and formaldehyde free.
- .4 Plywood (Plastic Laminate faced): AWI /AWMAC QSI Skyply Veneer core plywood core, 0 formaldehyde manufactured by Roseburg Forest products, distributed by McKillican Canada; Plastic laminate as specified, type of glue recommended for application, voc and formaldehyde free.

2.2 SHEET MATERIALS

- .1 Solid Surfaces: Corian Terra Collection; thickness as noted on drawings. colour – Serene Sage.

- .1 Location : all washroom vanities.

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.

- .1 Lower cabinets: colour to be selected.

- .2 Located in room 010 Family Washroom

- .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; finish in concealed locations and finish in exposed locations.

2.5 ADHESIVE

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

2.6 ACCESSORIES

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

2.7 HARDWARE

- .1 Drawer and Door Pulls (Pull 1): Hafele model #116.11.644, stainless steel matt finish; 128 mm c to c.
- .2 Cabinet Locks: Keyed cylinder, two keys per lock, keyed alike, steel with chrome satin finish.
- .3 Catches: elbow catch on inactive leaf .
- .4 Hinges: concealed hinges, 110° opening, spring closed, steel with satin finish.
- .5 Felt door bumpers.
- .6 Stand- offs for fireplace: CR Laurence stainless steel stand- off SS30 1 3/16” Diametre.

2.8 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 veneer core plywood unless otherwise indicated.

- .4 Plastic laminate casework: All Surfaces to be plastic laminate, with 1/8" vinyl edging, colour of edging to be selected by Contract Administrator. Use one piece for full length only.
- .5 Wood grain plastic laminate to run vertical for all vertical surfaces.
- .6 When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide trim for scribing and site cutting.
- .7 Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises.
- .8 Apply laminate backing sheet to reverse side of plastic laminate finished surfaces when not exposed to view.

2.9 FABRICATION VENEER FACED PANELS

- .1 Finish all edges of veneer faced panels with matching veneer.
- .2 Provide prefinished strips for backing of reveal joints.
- .3 Grain direction for panels: vertical.
- .4 Shop finish all panels.
- .5 Exposed fasteners not permitted.

2.10 SHOP FINISHING

- .1 Sand work smooth and set exposed nails and screws.
- .2 Apply wood filler in exposed nail and screw indentations.
- .3 On items to receive transparent finishes, use wood filler which matches surrounding surfaces and of types recommended for applied finishes.
- .4 Seal, stain and varnish all surfaces.
- .5 Shop finish wood veneer faces panels, wall and ceiling slats and wood door frames.

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.
- .4 Install hardware in accordance with manufacturer's instructions.

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 1/32 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 INSTALLATION WOOD SLAT WALL / CEILING

- .1 Attach plywood substrate to existing walls and ceiling.
- .2 Attach wood slat to plywood panels. Refer to drawings for slat sizes and spacing.
- .3 Place boards in a controlled random pattern, so that end joints are staggered. A continuous line of end joints is not permitted.

3.5 PREPARATION FOR SITE FINISHING

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

3.6 ERECTION TOLERANCES

- .1 Maximum Variation from True Position: 1/16".
- .2 Maximum Offset from True Alignment with Abutting Materials: 1/32".

END OF SECTION

