

Part 1 General

1.1 SECTION INCLUDES

- .1 Post-formed plastic laminate clad countertops.
- .2 Thermally fused laminate bodies, and miscellaneous components and fixtures.
- .3 High pressure laminate vertical surfaces.
- .4 Hardware and accessories.

1.2 RELATED SECTIONS

- .1 None

1.3 REFERENCES

- .1 American National Standards Institute (ANSI).
 - .1 ANSI A135.4-1995, Basic Hardboard.
 - .2 ANSI A208.1-1999, Particleboard.
- .2 Architectural Woodwork Manufacturers Association of Canada (AWMAC).
 - .1 Architectural Woodwork Quality Standards Illustrated, Latest Edition.
- .3 Canadian Plywood Association (CANPLY).
- .4 Canadian Standards Association (CSA)
 - .1 CSA B111-1974, Wire Nails, Spikes and Staples.
 - .2 CSA O151-M1978, Canadian Softwood Plywood.

1.4 QUALITY ASSURANCE

- .1 The architectural casework manufacturer is to furnish, at the request of the Departmental Representative, a list of completed projects of equal or more value than this project completed in the last five years.
- .2 Where modifications to the AWMAC QSI are included in this specification, such modifications shall govern in case of conflict.
- .3 Any reference to Custom or Premium grade in this Section shall be as defined in the AWMAC QSI.
- .4 Any item not given a specific quality grade shall be Custom grade as defined by AWMAC QSI.
- .5 Casework manufacturer to maintain a copy of AWMAC QSI on site for reference purposes.
- .6 The casework manufacturer is responsible for all field dimensions on site that will affect the work.

1.5 SUBMITTALS

- .1 Submit in accordance with Section 01 33 00.
- .2 Shop Drawings:
 - .1 Indicate construction details of all architectural woodwork and general arrangements; typical and special installation conditions; materials being supplied and all connections, attachments, anchorage and location of exposed fastenings, as applicable.
 - .3 Indicate location of counter top seams.
 - .2 Incorporate plans, elevations, sections, and details for all casework in scale.
 - .1 The details shall show all thicknesses, types and finishes, edgebands, and all cabinet hardware.
- .3 Samples:
 - .1 Submit duplicate colour samples of laminated plastic for colour selection.
 - .2 When requested by the Departmental Representative, submit duplicate sample of each hardware item requested.
- .4 No work shall be fabricated until the shop drawings have been reviewed and all related submittals and samples as required by the specification have been reviewed by the Departmental Representative.

1.6 DELIVERY, STORAGE, AND HANDLING

- .1 Do not deliver until painting and similar operations have been completed in installation areas.
- .2 Handle materials to prevent damage to finished surfaces. Provide protective coverings to prevent physical damage or staining following installation for duration of project.

1.7 PROJECT CONDITIONS

- .1 Field Measurements: Where woodwork is indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings.
- .2 Coordinate fabrication schedule with construction progress to avoid delaying the Work.

Part 2 Products

2.1 PANEL PRODUCTS

- .1 Particleboard: to ANSI A208.1, Grade M2, thicknesses as indicated.
 - .1 Urea-Formaldehyde free.
 - .2 Acceptable Product: Flakeboard Vesta as manufactured in St. Stephen, New Brunswick.
- .2 Canadian softwood plywood (CSP): Urea-Formaldehyde free; Poplar plywood: to CSA O121, standard construction; thickness as indicated, grade stamped in accordance with CANPLY.
- .3 Thermally Fused Laminate Panels (TFL): to NEMA LD3, consisting of a decorative paper impregnated and saturated with melamine resin, thermally fused under heat and pressure to Grade M3 particleboard core, thickness as indicated.
 - .1 Overlay bonded to both faces to prevent warping.
 - .2 TFL1 to be wood-look pattern with embossed in register (EIR) texture in synchronized alignment with pattern c/w matching edgeband.
 - .1 Must have matching HPL counterpart with smooth texture
 - .2 Acceptable vendors: Tafisa Viva, Uniboard, Stevenswood
 - .3 TFL2 to be super matte warm grey with finger-print resistant surface.
Standard of Acceptance: Richilieu Elegante, Sublime Collection

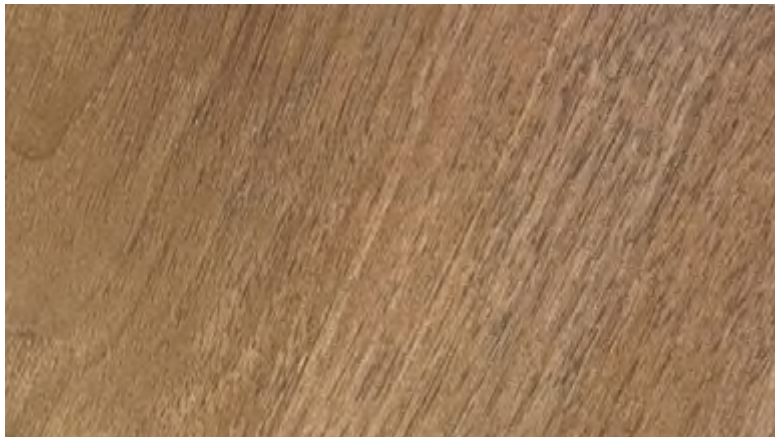
TFL2
Basis of design

TFL1
Basis of design



2.2 PLASTIC LAMINATE

- .1 High-Pressure Decorative Laminates (HPL) to NEMA LD3, types as follows:
 - .1 General purpose type, grade as follows:
 - .1 HGS, 1.2 mm thick for horizontal surfaces.
 - .2 VGS, 0.7 mm thick for light duty horizontal and vertical surfaces.
 - .2 Post-forming type: HGP, 1.0 mm thick.
 - .3 Cabinet liner type: Grade CLS, 0.5 mm thick.
 - .4 Backer type, grade as follows:
 - .1 BKH, 1.2 mm thick.
 - .2 BKV, 0.7 mm thick.
 - .5 HPL-1 pattern to match TFL1
 - .1 Horizontal surfaces to have no embossed texture, rather a standard smooth finish.



- .2 Provide backer sheet of same thickness as face sheet to reverse of all countertops, except post-formed units.
- .3 Approved Manufacturers: HPL-1: Tafisa Viva, Uniboard, Stevenswood
- .4 Low VOC Adhesives: Contact adhesive to CAN/CGSB-71.20, semi-rigid (polyvinyl adhesive to CSA O112.4) or rigid adhesives (urea resin adhesive to CSA O112.5, resorcinol resin adhesive to CSA O112.7) may be used.
 - .1 Consult manufacturer for selection of adhesive for materials and application.
 - .2 Use waterproof adhesives for countertops.
- .5 Colour and pattern as selected by Departmental Representative from unrestricted range.

2.3 COUNTERTOPS

- .1 Post-formed Countertops:
 - .1 Countertop core: particleboard, thickness as indicated.
 - .2 Finish: Post-formed HPL, HGP Grade.

- .1 Colour and pattern as selected by Departmental Representative from unrestricted range.
- .3 Smooth finish (no wood texture) for horizontal surfaces.
- .4 Provide matching laminate to exposed edges of core not covered by post-forming laminate.
- .5 Nosing profile: square w/ eased edges. Max 1" thick.

2.4 HARDWARE AND COMPONENTS

- .1 Coat Rod: 14 gauge aluminum wardrobe rod. 33mm (1 5/16") diameter. Matte black manufacturer's factory finish.
- .2 Countertop Bracket: L-shape w/ no angled gusset. 250 lbs capacity. Finish to be selected from full range.

2.5 HARDWOOD WALL BASE

- .1 B1 wall base: 4" high x 3/4" thick paint grade closed grain hardwood. Paint PT-1. Use only where indicated.

Part 3 Execution

3.1 FABRICATION - GENERAL

- .1 Shop assemble casework and other components for delivery to site in units easily handled and to permit passage through building openings.
- .2 Joinery to be in accordance with the AWMAC QSI.
- .3 When necessary to cut and fit on site, provide materials with ample allowance for cutting.
 - .1 Provide strip for scribing and site cutting.
- .4 Provide cut-outs for plumbing fixtures, inserts, appliances, outlet boxes, and other fixtures and fittings.
- .5 Natural and manufacturing defects in excess of those permitted in the grade specified are permitted if such defects are to be covered by adjoining members or otherwise concealed.
- .6 Carefully fit equipment to be installed.
- .7 Provide filler pieces when required.
- .8 Set nails and countersink screws, apply colour matched wood filler to indentations, sand smooth and leave ready to receive finish.
- .9 Shop install cabinet hardware for doors, shelves and drawers.
- .10 Recess shelf standards leaving 2 mm above surface of panel.

- .11 Shelving to cabinetwork to be adjustable and full depth of cabinet unless otherwise noted.

3.2 FABRICATION - CUSTOM CABINET UNITS

- .1 Fabricate in accordance with AWMAC QSI, Custom grade.
- .2 General Construction: Flush overlay, concealing cabinet case body.
- .3 Thickness: Thickness for panels identified on Drawings shall govern.
- .4 Casework carcasses: Thermally Fused Laminate panel(TFL)
 - .1 Exposed Ends/Carcass exterior: Not less than 16 mm (5/8") thick.
 - .2 Unexposed Ends: Not less than 16 mm (5/8") thick.
 - .3 Tops and Bottoms: Not less than 16 mm (5/8") thick, fully supported and secured in rabbets in panels.
 - .4 Backs: Not less than 13 mm (1/2") thick fastened to machined rear edge of ends, top and bottom case partitions.
 - .6 Interior Finish: TFL as indicated on plans.
 - .7 Edgebanding: Laminate tape, colour match to exposed finish.
- .5 Toe Kicks: High Pressure Laminate(HPL)
 - .1 Toe kicks are to be a separate item stretching entire length and not made part of the base module.
- .6 Doors and Applied Drawer Fronts: (N/A – none in project)
- .7 Drawers: (N/A – none in project)
- .8 Shelving: Thermally Fused Laminate Panel TFL
 - .1 Exposed finish at boot box area, exposed shelving without doors: HPL to match TFL as specified.
 - .1 Colour-matching laminate tape edgebanding all four sides.
 - .2 Thickness: 19 mm thick for up to 915 mm unsupported length, 25 mm thick for unsupported lengths between 915 mm and 1066 mm, unless otherwise indicated.
- .9 Toe Kicks: Not less than 19 mm CSP plywood, full height of toe space, P-Lam finish to match TFL. Colour to be selected by Departmental Representative.
- .10 Corner Blocks: Particleboard or CSP plywood; glued and fastened in each of four top corners to maintain cabinet squareness and rigidity.

3.3 FABRICATION – CUSTOM UPHOLSTERY

- .1 Throw pillows
 - .1 43 wide cm x 43cm high x 13cm deep
 - .2 Manufactured in complete by upholstery manufacturer
 - .3 Cotton insert with down and feather fill
 - .4 Fabric to be natural wool fiber or contain recycled content
 - .5 Final fabric to be selected from manufacturers full range of price grades.
 - .6 Standard of Acceptance:
 - .1 Maharam
 - .2 Steelcase (with full range of Designtex fabric line)
 - .3 Bolia

3.4 PREPARATION

- .1 Verify adequacy of backing and support framing

3.5 INSTALLATION

- .1 Do architectural woodwork to AWMAC QSI, except where specified otherwise.
- .2 Install prefinished casework and other components at locations shown on drawings.
 - .1 Position accurately, level, plumb straight.
 - .2 Scribe to wall for tight fit.
- .3 Fasten and anchor casework securely.
- .4 Install countertops using draw bolts where applicable.
- .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 clear, paintable, mould resistant silicone sealant.
- .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 directions.
- .9 Install shelving.

3.6 ADJUSTING AND CLEANING

- .1 Adjust doors, drawers, hardware, fixtures and other moving or operating parts to function smoothly and correctly.
- .2 Clean casework, counters, shelves, hardware, fittings and fixtures.
- .3 Clean surfaces of plastic laminate with a damp cloth or ordinary bar soap and water.
 - .1 Harsh abrasive cleansers shall not be used.

END OF SECTION