06 40 00  ARCHITECTURAL WOODWORK

06 40 01  PERFORMANCE REQUIREMENTS


2. Quality standards for materials and installation shall be in accordance with the definitions of terms from the current edition of the AWMAC Manual:
   i. “Custom” grade: typical standard.
   ii. “Premium” grade: areas with enhanced architectural character, such as executive boardrooms and offices, ceremonial rooms, performing arts facilities, prestigious areas of high public use, etc.

3. The use of products from local manufacturers is preferred.

4. All Panel Products to be manufactured with no urea formaldehyde glues.

5. Design of all furnishings shall primarily consider the use of standard size, pre-manufactured, freestanding modular furniture wherever possible.

6. Wall mounting pilasters, coat hooks, panels, modular furniture, etc., shall be fastened either into wall studs or suitable backing materials, for adequate load capacity and seismic restraint. Freestanding units shall be seismically restrained.

7. Consult with FMGT to confirm the following requirements:
   i. Cabinet and Door Hardware: Provide 2% additional hardware stock of each type and finish.
   ii. Mock-ups: Provide freestanding mock-ups for large or enhanced architectural character projects.
   iii. Surface Finishes for Specialized Uses: Provide chemical and wear resistance in labs, darkrooms, etc.

06 41 00  ARCHITECTURAL WOOD CASEWORK

Typical Cabinetry

1. Typical cabinet construction on new installations/modifications shall be 19 mm plywood with white post-form interior(s) and Formica 756-58 GP Natural Maple exterior finish. Cabinets will be constructed of 19 mm birch plywood G2S when matching to existing birch cabinetry.

2. Endangered wood species must not be used. Sustainable and certified wood species are preferred. Encouraged materials are as follows: Ash, Birch, Cherry, Cypress, Hemlock, Magnolia, Oak, Pine, Spruce, Sycamore, or Walnut.

3. Solid wood and veneer materials are acceptable; Maple or Birch. Confirm with FMGT quality requirements for specific locations.

4. The use of mechanical fasteners is preferred over adhesives.

5. Maximize recycled content.
6. Drawer construction to be minimum 12 mm (1/2”) plywood with white post-form finish on both sides. When matching to existing birch cabinetry, drawers will be constructed of 12 mm (1/2”) birch plywood G2S

7. Edge Banding: Typical construction - 3mm PVC Wilsonart W7911 Manitoba Maple (or equivalent) on exterior. 0.5mm white pvc on drawers and shelves. For birch cabinet construction – use 0.5mm wood veneer to match plywood finish.


Laboratory Cabinetry

1. Wood to be used only with approval from FMGT. Preference is for pre-fabricated metal casework with factory finishes.

2. Provide a 50 mm clear plastic lip at the front of all shelving used for chemical storage to avoid spillage.

3. Design for vibration control.

Kitchen Cabinetry

1. Upper Kitchen Cabinetry to be 30” (760mm) high with a solid infill detail above the cabinets to the underside of ceiling, solid infill to run the full width of the cabinet. See sketch immediately following this section.

2. Where microwaves are to be installed provide a shelf with an overall depth of 18” as shown in Figure 06 41 00-1.
Classroom and Board Room Cabinetry

1. Where a sink is installed in a classroom or boardroom both a dispenser for hand drying waste bin shall be included (see section 10 28 00). See Figure 06 41 00-2 for cabinet to accommodate these items.

Audio Visual Cabinetry
1. Shop drawings which identify mandatory audio visual cabinetry requirements for all variations of classroom layouts have been developed. These are maintained by FMGT Drafting Services and can be obtained through the FMGT project representative. The details in these shop drawings must be integrated into project documentation. Figure 06 41 00-3 is provided as an illustrative example of one possible consol.

**Figure 06 41 00-3**

**Typical Countertops / Work Surfaces – Materials**

1. High pressure plastic laminates (1 1/8” min. thickness).
   i. Application: Administration areas, staff lounges and kitchen areas, general purpose surfaces.
   ii. General purpose or high wear to suit application:
      a. 1.20mm thick: Flatwork, countertops.
      b. 1.00mm thick: Vertical surfaces (backsplashes) and post-forming work.
      c. 0.75mm thick: Backing sheets.
   iii. Provide finished surface (or backer sheet when concealed) on all surfaces of the core.
   iv. 1 1/8” minimum thickness.
   v. MDF shall be the typical core material.
   vi. Plywood core to be used in the following locations:
      a. Countertops with plumbing.
      b. High humidity and moisture locations.
      c. Food service areas.
   vii. Edging: Solid surface, laminated rolled edge, or PVC T mold edge (confirm with FMGT).

2. Stainless steel (minimum 14 ga. Grade 304).
   i. Application: Food preparation areas.

3. Solid cast epoxy resin (ie Corian).
   i. Application: Washrooms.

Laboratory Countertops / Work Surfaces
1. Design to minimize joints. Where possible, tops to be continuous with no open seams.

2. Surfaces to be integral with backsplash wherever possible.

3. All edges to be rounded.

4. Ensure all surfaces meet the requirements for the specified containment level.

5. Acceptable materials (confirm selection requirements with FMGT).
   i. Solid epoxy resin.
   ii. Stainless steel (minimum 14 ga. Grade 304).
   iii. Natural stone.
   iv. Phenolic resin (HPL)

**06 41 02 SHELVING AND STORAGE**

Wall-Mounted Shelving

1. Wall-Mounted Shelving: Wall mounted shelving should not be used in projects. UVIC will provide pre manufactures and/or modular shelving where shelving is required. This will be treated as a furniture item.

Coat Hooks

1. Coat hooks are typically installed on the interior wall adjacent to the hinge side of the door, mounted on a 125 mm wide birch ply panel, with the bottom edge at 1550mm above finished floor. Provide hooks spaced as indicated in the table, in the rooms identified below. Adjust spacing to fit 3 hooks on a 650mm panel and 4 hooks on an 800mm panel.
   i. Each office shall be equipped with 2 hooks, installed as shown in table below.
   ii. Each meeting room and designated lab or seminar room, which is not served by a closet or alcove, shall be equipped with 3 to 5 hooks, installed as shown in the table below.

<table>
<thead>
<tr>
<th>No. of Hooks</th>
<th>Centered on Panel and Spaced at (mm)</th>
<th>Length of Panel (mm)</th>
<th>Vertical Panel Edge from Corner of Room (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>450</td>
<td>650</td>
<td>200</td>
</tr>
<tr>
<td>5</td>
<td>150</td>
<td>800</td>
<td>100</td>
</tr>
</tbody>
</table>

2. Coat hooks shall be heavy-duty, metal, satin chrome or brushed aluminum finish. Acceptable products:
   i. Bobrick B6827 (satin stainless steel).
   ii. Bradley 9134. 1
   iii. 140mm long 237BCV (brushed chrome)

3. Laboratory Coat Hooks: A minimum of 4 coat hooks shall be provided near all laboratory entrances. The exact number of hooks should be reviewed with project stakeholders. Surface mounting boards are not acceptable to ensure a continuous surface finish

Closets and Coat Alcoves

1. Each closet and coat alcove shall have one:
   i. Hat shelf: 450mm wide, birch ply.
   ii. Adjustable chrome-finish hanging rod.
Note: The above assemblies are typical throughout the campus, and are normally installed by the Contractor or in special instances by FMCA.

06 41 93 CABINET AND DRAWER HARDWARE

Cabinet and Shelving Hardware

1. Use only heavy duty hardware.

2. Cabinet Locks: Schlage “CL” series. In order to maintain consistent keying throughout the campus, alternates are NOT acceptable for cabinet locks. Mount flush to face of cabinetry.
   i. Review locking and keying requirements with UVic.
   ii. Keyway to be specified by UVic and Key Schedule to be supplied by UVic.
   iii. Door Locks: CL100PB (25mm throw bolt) c/w trim collar 36-031 and slot strike 10-052.
   iv. Drawer Locks: CL200PB (19mm throw bolt) c/w trim collar 36-031 and slot strike 10-052.
   vi. Cylinder Alignment: Vertical (horizontal alignment not acceptable).

3. Metal bolt – to be installed at the stationary door of a pair with a lockable active door.
   i. Richelieu – B 375-180, chromium or nickel finish, complete with recessed mounted slot strike installed with countersunk screws.


5. Drawer Slides: Side mount, ball bearings, full extension, telescoping, trigger disconnect, chrome or zinc finish. Load rating to suit application, minimum 45kg.
   ii. Accuride: 3832 series – 45 kg rating; 3640 series – 90 kg rating (storage drawers)
   iii. Grant, HEG-4932 – load rating 60 kg.


7. Pulls: Wire type D-pull 9mm diameter, 96mm centres, 26mm depth, chrome satin finish. Product: Gallery 945-26D, or Richelieu 2214-175.


9. Glass for cupboard doors: 6mm thick, clear, tempered.

10. Door and Drawer Bumpers: 5mm diameter, neutral colours; 2 bumpers per door up to 1200mm in door height; 3 bumpers per door over 1200mm in door height; 2 bumpers per drawer.

11. Adjustable Shelf Supports: (Semi)-recessed (not surface mounted) pilasters c/w seismic support clips. Products: Richelieu, Pilasters 2552G c/w clips 242762G.

12. Grommets to suit wiring through millwork components: Cable entry plug, plastic, typical, Ø72mm, larger Ø where required. Product: Richelieu A 60.0910-90, or larger size, asa required.

Hardware Schedule

1. Consultant shall produce the Hardware Schedule, as part of project documentation