

Part 1 General**1.1 Summary**

- .1 Unless otherwise indicated, follow the standards when specifying architectural woodwork. These standards are not intended to restrict or replace professional judgement.

1.2 Design Requirements

- .1 When Code and durability requirements allow it, favour the usage of wood in finishes over metal, rubber and plastic, for ecological reasons (renewable and less energy-consuming).
- .2 Each coat closet shall have a hat shelf and an adjustable chrome hanging rod.
- .3 For large quantities of cabinetry work, a 2'-0" wide mock-up of the cabinetry is required prior to execution. This mock-up can be part of the final work.

Part 2 Products**2.1 Preferred products**

- .1 Wood products shall be certified by the following standard to ensure they are issued from sustainable forests (contractor shall submit proof to this effect). Certified wood products can contribute to LEED® v4 MR Credit Building Product Disclosure and Optimization – Sourcing of Raw Materials:
 - .1 FSC (Forest Stewardship Council). Refer to the FSC website to find FSC certified companies (<http://info.fsc.org/certificate.php>).
 - .2 For Composite Wood Products:
 - .1 The threshold level of compliance with the Composite Wood Evaluation standards listed in **01 84 19** Part 3 for composite wood must be met by 100%.
 - .2 For resources to find low-emitting products and products with Environmental Product Declarations (EPDs), see **01 84 19** Part 3.
 - .3 For products with health product declarations (HPDs), that meet the requirements for LEED® v4 MR Credit Building Product Disclosure and Optimization – Material Ingredients, refer to:
 - .1 HPD Library <http://hpd.smithgroupjir.org/>
 - .2 Pharos Project <https://www.pharosproject.net>
 - .4 Materials that are locally sourced (extracted, manufactured, and purchased) within 160 km (100 miles) are preferred and will increase cost values for credit calculations in the Materials and Resources Building Product Disclosure and Optimization credits.

2.2 Materials

- .1 Framing lumber: Shall be softwood.

- .2 MDF panels shall be made with 100% recycled wood fibers and shall contain no added formaldehyde.
- .3 Particle boards shall be made with 100% recycled and/or recovered wood fiber, containing no added formaldehyde.
- .4 Plywood sheets shall be made with phenolic resin based glue and containing no added formaldehyde.

2.3 Work Counters and Fixed Tables (dry surfaces)

- .1 Counter tops shall be made of laminated 32mm presswood, with a humidity level no more than 8%, covered with plastic laminate 1.5mm thick.
- .2 Nosing material shall be selected for durability. Special attention should be given to edge detailing and resilience of materials, to anticipate minimizing damages due to non-fixed seats and furniture, winter and rain gear, and general student use. Plastic laminate as a nosing material should be avoided.
- .3 Cable entries (grommets) shall be specified where necessary.

2.4 Laboratories Counters (dry surfaces)

- .1 Counter tops shall be made of laminated 19mm and 13mm plywood, with a humidity level not more than 8%, covered with plastic laminate 1.5mm thick.
- .2 Nosing shall be 19mm solid phenolic with drip groove.
- .3 Provide backsplashes 102mm high on all perimeter walls.
- .4 Refer to section 12 35 53 – Laboratory Casework, for other laboratory work surfaces.

2.5 Washroom Vanities

- .1 All washroom vanities are to be made of water resistant materials such as solid phenolic or solid surfacing upon a galvanized steel substructure. Counters are to have a minimum thickness of 16mm. No wood or plastic laminate is to be used.

2.6 Doors and drawer Face Plates

- .1 Shall be 19mm MDF covered with plastic laminate.

2.7 Side panels, shelves, cupboards, etc.

- .1 Shall be 19mm presswood covered with plastic laminate on the exterior exposed surfaces and white melamine on all interior surfaces.

2.8 Shelving

- .1 Shelf: shall be 19 mm plywood, 305 mm wide by length as shown on the drawings. Shelves shall be spaced horizontally at 405 mm c/c with the bottom shelf at 405 mm from the floor,

unless noted otherwise. All exposed edges of the shelves shall be capped with 6 mm x 19 mm wood moldings. All shelves shall be painted as per the walls.

- .2 Standards tracks: shall be 22mm (7/8") single Heavy- Duty vertical wall Standards, chrome finished # 087XX (*length*)-143 by Richelieu or approved equivalent. All wall Standards shall be aligned with the wall studs for added strength.
- .3 Supports: shall be chrome finished #187XX (*length*)-by Richelieu or approved equivalent, spaced at 610 mm (24") c/c.

2.9 Cabinet and Shelving Hardware

- .1 Hinges: shall be "Euro" concealed Module 107° type as manufactured by "Blum" overlay or approved equivalent.
- .2 Door Catches: shall be roller catch type 603-2G with zinc finish by "Richelieu" edition 05-2004 or approved equivalent.
- .3 Drawer Slides: Ball bearing full extension No.3832 with clear zinc finish by "Accuride"
- .4 Glass: for cupboard doors shall be 6 mm (1/4") clear tempered.
- .5 Shelf support standards:
 - .1 Metal pilasters type 2332GXX (*length*) by Richelieu edition 07-2003
 - .2 Supports type CP2562G by Richelieu edition 07-2003

2.10 Coat Hooks

- .1 Wall mounted coat hooks shall consist of three (3) metal hooks type-chrome heavy duty 5½" 237CV by "Richelieu", spaced evenly on a MDF panel backing mat painted 150 mm x 450 mm x 19 mm (6" x 18" x 3/4") with painting finish as per wall. Coat hooks shall be installed at 5'-6" from finished floor to bottom of backing (typical).

2.11 Closets

- .1 Each closet shall have:
 - .1 One (1) 25 mm x 305 mm painted MDF hat shelf, unless noted otherwise, and painted as per the walls.
 - .2 One (1) 33mmØ chrome hanging rod cut to length, as per Richelieu #144-08-140. The rod shall be mounted @ 1700mm above the floor using one (1) of each 33mmØ chrome, wall mounted supports #1225-140 & 1223-140 as per Richelieu.
 - .3 Where hanging rod spans are to exceed 1220mm, a painted MDF mid-span support panel shall be installed.

END OF SECTION