

1.0 QUALITY ASSURANCE/ENVIRONMENTAL LIMITATIONS

- A. Fabricator and Installer Qualifications: Engage a qualified woodworking firm who employs skilled workers who custom-fabricate and install interior architectural woodwork products. **Firm must have been in business a minimum of 5 continuous years and have a successful record of prior performance.**
- B. Do not deliver or install any interior woodwork products until building is enclosed, all wet work is complete, and HVAC system is operating and maintaining temperature between 60 and 90 degree F and a relative humidity between 25 and 55%.

2.0 MATERIALS (Common Use Cabinetry)

- A. Cabinet Body: 3/4" industrial grade medium-density particleboard with High-Pressure Decorative Laminate finish throughout (including interior faces) and 3mm PVC edge banding. Edge banding shall be applied with an edgebander and not manually. Use only HGS type laminate for horizontal surfaces and VGS for vertical surfaces.
- B. Countertops: 3/4" industrial grade medium-density particleboard with High-Pressure Decorative Laminate finish throughout and vinyl "T-moulding" edge banding or post-formed bullnose edge condition. Use only HGS type laminate for horizontal surfaces. Use 3 mm PVC edge banding on all backsplashes. Edge banding shall be applied with an edgebander and not manually.
- C. Countertops: 3/4" thick solid-surfacing material comprised of homogenous solid sheets of filled plastic resin complying with ISSFA-2.
- D. Doors and Drawer Fronts: 3/4" industrial grade Medium-Density particle board with High-Pressure Decorative Laminate throughout and 3mm PVC edge banding. Edge banding shall be applied with an edgebander and not manually. Use only VGS type laminate for vertical surfaces.
- E. Drawer Sides, Backs and Bottoms: 1/2" industrial grade Medium-Density particle board with High-Pressure Decorative Laminate on all inside surfaces and 3mm PVC edge banding. Edge banding shall be applied with an edgebander and not manually.
- F. Grade: Custom

2.1 MATERIALS (Laboratory Casework)

Dry Laboratories (e.g., nutrition labs, computer labs, patient care labs and miscellaneous engineering labs):

- A. Cabinet Body: 3/4" hardwood (maple) veneer plywood with stain finish and premium catalyzed vinyl sealer laboratory grade, Grade A with exposed surfaces at least 1/50" thick, Grade J cross-bands, and backs of same species as faces. Edgeband all edges with solid hardwood of same species as member face.
- B. Countertops: 1" thick epoxy resin (black).
- C. Drawer Fronts: 3/4" hardwood (maple) veneer plywood with stain finish and premium catalyzed vinyl sealer laboratory grade, Grade A with exposed surfaces at least 1/50" thick, Grade J cross-bands, and backs of same species as faces. Edgeband all edges with solid hardwood of same species as member face.
- D. Drawer Bottoms: 1/4" thick plywood glued and dadoed into front, back and sides of drawers. Use 1/2" thick material for drawers more than 24" wide.
- E. Doors 48" or less in height: 3/4" hardwood (maple) veneer plywood with stain finish and premium catalyzed vinyl sealer laboratory grade, Grade A with exposed surfaces at least 1/50" thick, Grade J cross-bands, and backs of same species as faces. Edgeband all edges with solid hardwood of same species as member face.
- F. Doors more than 48" in height: 1-1/8" hardwood (maple) veneer plywood with stain finish and premium catalyzed vinyl sealer laboratory grade, Grade A with exposed surfaces at least 1/50" thick, Grade J cross-bands, and backs of same species as faces. Edgeband all edges with solid hardwood of same species as member face.
- G. Stiles and Rails of Glazed Doors: 3/4" solid maple hardwood.
- H. Glass for Glazed Doors: Clear laminated glass complying with ASTM C1172, Kind LT, Condition A, Type I, Class I, Quality q3; with 2 lites not less than 3.0 mm thick and with clear polyvinyl butyral interlayer.
- I. Acid Storage-Cabinet Lining: 1/4" thick, polyethylene, polypropylene, epoxy, or phenolic-composite lining material.

F. Grade: Custom

Wet Laboratories (e.g., biology and chemistry labs, physics, metallurgy, geology and miscellaneous engineering labs per application):

- A. Cabinet Body: Premanufactured metal casework.
- B. Countertops: 1" thick epoxy resin (black).
- C. Sinks: Use integral epoxy resin sinks where corrosive chemicals will be utilized. Use stainless steel sinks where radioactive materials and perchloric acid is used and in cold rooms.
- D. Contact UTEP Environmental, Health and Safety Services for assistance in determining laboratory type.**

2.2 MATERIALS (Shelving)

- A. Shelves: 3/4" industrial grade medium-density particle board with High Pressure Decorative Laminate and 3mm PVC edge banding. Edge banding shall be applied with edgebander and not manually.
- B. Shelves: 3/4" hardwood (maple) veneer plywood with stain finish and premium catalyzed vinyl sealer laboratory grade, Grade A with exposed surfaces at least 1/50" thick, Grade J cross-bands, and backs of same species as faces. Edgeband all edges with solid hardwood of same species as member face.
- C. Shelves: 3/4" finish plywood with 2 coats of paint finish. Edgeband all edges with solid hardwood of same species as member face.
- D. Span limitations: Free span on shelves shall be limited to 36".

3.0 HARDWARE

- A. Hinges (common casework): Concealed “European” hinges, model no. “CLIP” as manufactured by Blum.
- B. Hinges (laboratory casework): Interleaf wrap-around type, model no. 351490 as manufactured by Stanley.
- C. Door Catches: Nylon-roller spring catch with stainless steel strike, and rubber stops. Provide 2 catches on doors more than 48” in height.
- D. Drawer Slides: Model no. 1284, 3/4 extension, epoxy coated (BHMA 100-pound class) as manufactured by Knape & Vogt.
- E. Pilasters (Recessed Standards): Model no. 255Zc (Zinc) as manufactured by Knape & Vogt.
- F. Supports: Model No. 254Zc (Zinc) as manufactured by Knape & Vogt.
- G. Locks: Cam lock, Model No. 720 with interchangeable 6 pin core as manufactured by Best Lock Co.
- H. Grommets for Cable Passage through Countertops: OG or SG series as manufactured by Doug Mockett & Co., Inc.
- I. Wire Pulls: Back mounted, solid metal with a minimum of 4 inches long.