06 00 00 General Information

Architects, in the design of project specific building components, shall consider the unique characteristics of the environment of Conway, SC. In an effort to mitigate problems associated with use of exterior wood in the coastal environment, CCU has employed the use of glass fiber reinforced plastic fabrications (GFRP).

Architects and Engineers are responsible for proper selection of materials in each building system for specific projects; these standards do not relieve the designer from that responsibility.

For countertop designs in restrooms, the University requires usage of a backsplash with countertops flush to walls. Designs including a gap between the back of the countertop and the rear wall are not desired.

Countertops in public areas (reception desk, break areas, restrooms and high traffic uses) should be solid surface countertops. Plastic-Laminate countertops can be utilized in lower use areas (print/copy rooms, etc.). Confirm selections with CCU Project Manager.

Architect must review Office of State Engineer standards regarding usage of wood products in State facilities.

06 20 23 Interior Finish Carpentry

Materials and Fabrication: Materials and fabrication shall conform to Architectural Woodwork Institute (AWI) specifications for custom quality work.

06 41 16 Plastic-Laminate-Faced Architectural Cabinets

1. Materials and Fabrication: Materials and fabrication shall conform to Architectural Woodwork Institute (AWI) specifications for custom quality work.

2. Basis of Design plastic laminates should be selected from Nevemar.

3. Plastic-Laminate Cabinets
   a. Grade: Custom
   b. AWI Type of Cabinet Construction: Flush overlay.
   c. Backing Materials:
      i. Wall Cabinet Tops, Bottoms, Sides and Shelves: 3/4-inch Particle Board.
      ii. Wall Cabinet Backs: 1/4-inch Softwood Plywood.
      iii. Wall Cabinet Doors: 3/4-inch Particle Board
      iv. Base Cabinet Tops, Bottoms Sides and Shelves: 3/4-inch Particle Board.
      vi. Base Cabinet Doors: 3/4-inch Particle Board
      vii. Base Cabinet Drawers: 3/4-inch Particle Board.
viii. Open Wall Shelves Tops, Bottoms, Sides and Shelves: 3/4-inch Particle Board.
d. Laminate Cladding for Exposed Surfaces: High-pressure decorative laminate complying with the following requirements:
   i. Horizontal Surfaces Other Than Tops: Grade HGS.
   ii. Vertical Surfaces: Grade HGS.
   iii. Edges: Grade HGS matching laminate in color, pattern, and finish.
e. Materials for Semi exposed Surfaces:
   i. Thermoset decorative panels.
   ii. For semi exposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, Grade VGS.
f. Concealed Backs of Panels with Exposed Plastic Laminate Surfaces: High-pressure decorative laminate, Grade BKL.
g. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:

4. Plastic-Laminate Countertops
   a. Grade: Premium
   b. AWI Type of Cabinet Construction: Flush overlay.
c. High-Pressure Decorative Laminate Grade: HGS
d. Backing Materials:
   i. Countertops without sinks: 3/4-inch Particle Board.
   ii. Backsplashes at countertops without sinks: 3/4-inch Particle Board.
e. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
   i. As selected by Architect from manufacturer's full range.
      1. Solid colors, matte finish
      2. Patterns, matte finish.
f. Grain Direction: Parallel to cabinet fronts.
g. Edge Treatment: Same as laminate cladding on horizontal surface.
h. Paper Backing: Provide paper backing on underside of countertop substrate.
Solid Surface Countertops

Min. ½" thick adhesively joined with no exposed seams. Edge detailing to be selected by Architect and shall be appropriate for location and use.

Install back splashes at back and side of countertop using thin bead of silicone.

Cabinet Hardware

Frameless Concealed Hinges (European Type): BHMA A156.9, B01602, 135 degrees of opening.

Wire Pulls: Back mounted, solid metal, 4 inches (100 mm) long, 2-1/2 inches (63.5 mm) deep, and 5/16 inch (8 mm) in diameter.

Catches: Roller catches, BHMA A156.9, B03071.

Adjustable Shelf Standards and Supports: BHMA A156.9, B04071; with shelf rests, B04081.

Shelf Rests: BHMA A156.9, B04013; metal, two-pin type with shelf hold-down clip.

Drawer Slides: BHMA A156.9, B05091.

1. Standard Duty (Grade 1, Grade 2, and Grade 3): full-extension type; epoxy-coated steel with polymer rollers.

Door Locks: BHMA A156.11, E07121.

Drawer Locks: BHMA A156.11, E07041.

Exposed Hardware Finishes: For exposed hardware, provide finish that complies with BHMA A156.18 for BHMA finish number indicated.

Satin Chromium Plated: BHMA 626 for brass or bronze base; BHMA 652 for steel base.

For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in BHMA A156.9.

06 82 00 Fiberglass Composite Products

Basis of Design Product: Melton Classics DuraClassic Composite Fiberglass products. Color to be selected with CCU Project Manager to match the surrounding buildings.

Fiberglass Composite Products to include window sill, building trim, etc.

Wall Mockup:

Include in wall mockup sample of fabrications proposed for the project.

Considerations:

Surfaces are generally prepared for application of high gloss paint finish.

Qualified manufacturers that are in close proximity to the site.

Conceal joints, anchorages, etc. with manufacturer's recommended joint compound.
It is the preference of the University that initial design discussions revolve around using Glass-Fiber-Reinforced Concrete (GFRC) products. Architect should obtain approval from CCU Project Manager prior to specifying Fiberglass Composite Products.