

## **06000 - WOOD AND PLASTICS**

### I. DESIGN

- A. Counter tops shall be either cabinet supported or front/side leg or panel supported. Unsupported spans in excess of 3'-6" are unacceptable. Larger spans to be supported with structural member or vertical support. All counter tops in wet and humid locations must have all undersides, edges and cutouts sealed with waterproof coating. Ensure that pipes, etc., do not interfere with recessed mountings. Counter supports and base cabinets must not preclude handicap accessibility requirements.
- B. Counter tops at wet areas such as public restrooms, kitchens, and other high use areas shall be made of homogeneous plastic material.
- C. All surfaces of solid wood used for finishes at interior spaces must be sealed to prevent damage due to fluctuations in humidity and temperature. Wood paneling must have built-in expansion strips. Particleboard counters are not to be specified at wet areas such as pools, shower rooms, locker rooms, etc.
- D. All millwork and cabinetry shall be specified to be custom grade, as a minimum, as defined by the Architectural Woodworking Institute (AWI).
- E. All millwork and cabinetry substrate shall meet ANSI Standards for Medium Density Fiberboard for interior use.
- F. All cabinetry and millwork hardware shall be specified to be quality grade and meet minimum Builders Hardware Manufacturers Association (BHMA) standards for each type. Verify with County Project Manager for instances where heavy duty hardware may be applicable and/or required.
- G. Shop drawings for wooden roof trusses must be submitted to DPWES Land Development Services (LDS) for review and approval; and, drawings and calculations must be sealed, signed and dated by a Virginia Registered PE.
- H. Accessible Design:
  - 1. Evaluate use of rounded corners and top edges (drip lines) for counters, cabinetry and protruding trim.
  - 2. Provide roll under counters in all kitchenette areas for access by wheelchairs to sinks and appliance use. Minimum clear width of the opening and the knee clearances must meet ADA Guidelines.
  - 3. A conveniently and centrally located portion of all public counters should be accessible from a standard seating position to the maximum extent possible.

## II. PRODUCTS

- A. The preferred counter top material at public use rest rooms, kitchens, and other high use areas is a solid, homogeneous plastic such as Corian by DuPont, similar product by Fountainhead, or Approved Equal.

## III. SHOP DRAWINGS

- A. Specifications shall reflect that the Contractor shall be responsible for paying DPWES review fees for wood truss shop drawings.