

**6 WOODS AND PLASICS – V06000****6.1 GENERAL****6.1.1 Description**

This standard identifies minimum requirements that shall be met for all woods and plastics in the design and construction of elements for Arlington County Building Design Standards.

**6.1.2 Related Arlington County Standards, Specification and Policies**

including, but not limited to, those listed in Table 6.1.2

<b>Table 6.1.2</b>
Related Arlington County Standards, Specification and Policies
Arlington County Construction Standards and Specifications - 6100 Structural Timber and Lumber

**6.1.3 Applicable Standards and Specifications**

including, but not limited to, those listed in Table 6.1.3

<b>Table 6.1.3</b>
Applicable Standards and Specifications
American Society for Testing and Materials (ASTM)
Architectural Woodworking Institute (AWI)
ICC International Building Code/2012
US Green Building Council's Leadership in Energy and Environmental Design (LEED) green building rating system

**6.1.4 Quality Assurance**

6.1.4.1 Reserved

**6.1.5 Submittals**

6.1.5.1 The Registered Design Professional shall identify, in the specification sections, manufacturer's products, descriptions, performance criteria, materials, components, fabrication, source quality control, finish, and accessory materials pertaining to all wood and plastic work and construction.

6.1.5.2 Project specifications shall require the Contractor to provide shop drawings for all structural wood and plastic design, connection details and calculations which shall be signed and sealed by a PE licensed in the Commonwealth of Virginia.

**6.2 DESIGN****6.2.1 Millwork**

- 6.2.1.1 Counter tops in wet areas or in areas where they will be exposed to water shall be made of waterproof materials. Laminate counter tops are only acceptable in areas where the activities taking place will not expose the counters to excessive amounts of water and other types of liquids. Hard surface counter tops shall be used in all heavy usage areas such as Library circulation counters and receptionist counters etc. Counter tops shall be either cabinet supported or have steel or stainless steel front leg support. Counter tops of 36 inches or less in height shall have continuous structural support. Any span greater than 4' shall have supports spaced at no less than 30 inches. Counter top supports shall be design to conform to all accessibility standards.
- 6.2.1.2 All millwork and cabinetry shall be specified to be custom grade, as a minimum, as defined by the Architectural Woodworking Institute (AWI).

**6.2.2 Wood**

- 6.2.2.1 All surfaces of solid wood used for finishes at interior spaces shall be sealed.
- 6.2.2.2 Wood paneling shall have expansion strips built-in. Particleboard shall not be specified in high humidity spaces and wet areas such as pools, shower rooms, locker rooms, etc.

**6.3 PRODUCTS****6.3.1 Countertops, Splashes and Window Sills:**

The preferred product for horizontal and trim fabrications for use in public use rest rooms, Kitchens, and other high use areas is a solid surface material in accordance with Table 6.3.1

<b>Table 6.3.1</b>		
<b>Brand Name Product(s) for the Countertops, Splashes and Window Sills:</b>		
<b>Building Element</b>	<b>Brand Name Model</b>	<b>Brand Name - Category</b>
<u>Countertops, splashes and windowsills</u> <sup>a</sup>	Corian®	Preferred Manufacturer(s)
	Corian® Solid Surfaces	
	Formica®	
	Formica® Solid Surfacing	
	HI-MACS®	
	HI-MACS® Acrylic Solid Surface	

**Note** <sup>a</sup> Windowsills: Provide 1/2" thick solid surface on wood shim blocking with 1 1/2" Apron edge.