

## DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES

Section Number	Title
<b>06 20 00</b>	<b>FINISH CARPENTRY</b>
06 20 23	Interior Finish Carpentry
<b>06 40 00</b>	<b>ARCHITECTURAL WOODWORK</b>
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## DIVISION 6 - WOOD, PLASTICS, AND COMPOSITES

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<b>06 20 00</b>	<b>FINISH CARPENTRY</b> <u>Part 1 – General</u> Formaldehyde containing particle board and similar composition products are not encouraged, and must be approved by Owner. Formaldehyde off-gassing rates are to be less than 0.03 milligrams per square foot of surface/hr in accordance with ASTM D5116-90.  <u>Part 2 – Products</u> N/A  <u>Part 3 – Execution</u> N/A
06 20 23	Interior Finish Carpentry <u>Part 1 – General</u> Synthetic counter tops shall be high pressure laminate, or, in extra heavy-duty use applications, a solid surface, 1/2" minimum thickness.  Guides for plastic laminate finishing are as follows: min. 0.050" exposed horizontal surfaces; min. 0.028" exposed vertical surfaces; min 0.020" cabinet linings and concealed backing.  High moisture areas such as lavatory tops, coffee bar tops, or work surfaces that are repeatedly subjected to spillage, water cleaning, or subject to chemical substances shall have solid surface countertops and backsplashes  <u>Part 2 – Products</u> N/A  <u>Part 3 – Execution</u> N/A
<b>06 40 00</b>	<b>ARCHITECTURAL WOODWORK</b> <u>Part 1 – General</u> This section applies to architectural mill and casework. In general, the design and specification of items normally contained in this section must be considered to last the lifetime of the building (assume 50 years). Flexibility, years of heavy use and misuse, limited maintenance, high impact, occasional overloading and initial cost effectiveness should be the criteria in the design and finish.

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Endangered or limited tree species used as veneers or solid stock (mahogany, teak, etc.) are not allowable. Soft species used for face veneers, tops, kick plates, bases or any other high impact or abrasion related use are not allowable.

Wood thresholds are not acceptable unless retrofitting historic buildings.

### Part 2 – Products

N/A

### Part 3 – Execution

N/A

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### **Architectural Wood Casework**

#### Part 1 – General

Case or millwork that will be specified as receiving a painted finish, should be limited to lower cost species (birch, poplar, etc.).

All cabinet and millwork tops, sides, dividers, shelving, etc., shall be 3/4" minimum stock. Stained veneer materials shall conform to Architectural Woodwork Institute (AWI) custom grade, minimum thickness 1/16".

Unexposed framing shall be nominal 1 x 2 hardwood, AWI custom grade.

Doors and drawer fronts shall be 3/4" minimum core stock.

Drawer boxes shall be 1/2" minimum with minimum 1/4" plywood bottoms.

Cabinet tops should be of sufficient height to comply with disabled accessibility requirements per ICC A117.1 and 2010 ADA Standards for Accessible Design.

Built-in shelving or free-standing modular shelving height should not exceed 6' from finished floor (unless used in large storage areas) and be securely anchored to studs or to unit masonry walls that are reinforced to accept the loading.

All shelving should be designed as fully adjustable, 3/4" minimum thickness.

"Line bore and pin" method of shelving adjustment (either in cabinets or standing shelving) is desired. Shelf standards mortised in with brackets is also acceptable.

The use of painted particleboard as the finish for cabinets and tops is not acceptable. Particle board is allowable as core stock in low/no moisture areas when receiving a high-pressure plastic laminate finish.

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Particle board is not an acceptable material for shelving with greater than a 2-foot unsupported span.

The use of melamine or other similar low mill finishes (less than .020") as interior cabinet lining or underside of shelving is not acceptable. Melamine thermo fused ¾" is acceptable for interior finish of cabinets only.

All millwork designed to support electrical equipment (computers, phones, clocks, etc.) shall have grommet openings allowing cords, interconnect cables, etc., to be concealed or routed internally. Grommets shall be 2-1/2" minimum diameter plastic, color to match adjacent finish.

### Part 2 – Products

N/A

### Part 3 – Execution

N/A

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Cabinet and Drawer Hardware

### Part 1 - General

All millwork and accessory hardware shall comply with ANSI A156.9, minimum quality level Type 2 (institutional). Hinges, guides, slides, etc., shall utilize bearings complying with BHMA 201.

All cabinet hinges should be self-closing and spring loaded. Drawer slides should allow full extension (1" longer than total drawer depth) and be specified as heavy duty (100 lb. minimum).

All exposed cabinet hardware should be specified with a permanent, durable finish that is easily cleanable.

All lockable cabinet and drawer locks shall accept the BEST 7pin SFIC cores and be Olympus 721DW or equal to meet the application.

### Part 2 – Products

N/A

### Part 3 – Execution

N/A

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