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SECTION 06000 —WOOD AND PLASTICS

PART 1 – GENERAL

1.01 EXTENT OF SECTION

- A. This section contains the requirements relating generally to wood and plastics used in construction; including rough carpentry, prefabricated structural wood, finish carpentry, wood treatment, architectural woodwork, and plastics.
- B. The intent of the PCSB STANDARDS is for the DESIGN PROFESSIONAL (DP) to comply with the minimum general project requirements and the specific project specifications shall be generated and provided by the DP.

PART 2 – MATERIAL

2.01 ROUGH CARPENTRY

- A. INTERIOR WALLS: Metal framing shall be used for interior wall partitions, as wood framing is not acceptable.
- B. EXTERIOR WALLS: Wood framing shall not be used in exterior walls.
- C. In all Type-II Construction (per NFPA 220) buildings, the use of wood in wall construction shall be prohibited, with the *exception* of:
 - 1. Blocking for the installation of cabinets, shelving, and wall hung equipment.
 - 2. Pressure treated wood shall not be exposed to contact; may be used as blocking with fasteners.
- D. In all Type-II Construction (per NFPA 220), the use of wood above suspended ceilings is prohibited.
- E. WOOD UTILIZED AS PART OF A LOW SLOPE ROOF MEMBRANE SYSTEM:
 - 1. All wood blocking, nailers, and cant strips shall be pressure treated and certified with the appropriate stamp for use in roofing applications.
- F. All pressure treated wood shall be certified Arsenic Free.
- G. Pressure treated wood with ACQ chemical solutions containing copper shall not be specified.

2.02 ARCHITECTURAL WOODWORK:

- A. CUSTOM CASEWORK:
 - 1. Plastic laminate work shall be A.W.I. "Custom" grade.
 - 2. Fine woodwork and special plastic laminate work shall be A.W.I. "Premium" grade.
 - 3. The use of particleboard in the construction of laboratory casework, or in millwork to be located in wet use areas, is prohibited.



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B. COUNTER TOPS:

1. Plastic Laminate Counter Tops:
 - a) Counter tops shall be a minimum of $\frac{3}{4}$ -inch plywood with $\frac{1}{16}$ -inch general purpose grade high pressure decorative laminate surfacing. In laboratories where chemicals are used, plastic laminate shall be acid resistant type.
 - b) Plywood for use in sink cabinets and counter tops shall be minimum AC-EXT-DFPA grade. In all other areas, use minimum AD or AA-INT-DFPA grade.
 - c) Particleboard is not acceptable for use in the construction of plastic laminate counter tops.
2. Wood Counter Tops: Hardwood as a counter top finish is discouraged and can only be utilized with the approval, on a case-by-case basis, of PROJECT COORDINATOR.

PART 3 – EXECUTION

A CABINETWORK:

1. General Requirements:
 - a) All materials in cabinets shall be specified as plywood, typical three-quarter inch $\frac{3}{4}$ -inch, exception may be allowed by a written approval of the PROJECT COORDINATOR.
 - b) The design and construction of all cabinetwork shall be a minimum A.W.I. "Custom Grade", in accordance with the latest edition of the American Woodwork Institute "Architectural Woodwork Quality Standards, Guide Specifications and Quality Certification Program" guide book.
 - c) Individual storage room shelves shall not exceed 3' span between supports and be capable of supporting 50 pounds per lineal foot.
 - d) Drawer glides to be full extension for file drawers and shallow drawers, and 80 percent (minimum) extension for all others.
 - e) All drawer and door pulls shall be clear anodized aluminum, or as approved.
2. Cabinet and Drawer Hardware:
 - a) DP shall specify only cabinet hardware that complies with ANSI A156.9, "American National Standards for Cabinet Hardware" and, verify compliance in shop submittals and by inspection of installations.
 - b) Drawer slides shall be side-mounted type rated for intended use but in no case carrying less than a 100 lb. load rating. File drawer slides shall carry a minimum 150-lb. load rating.
 - c) Cabinet bases shall be $\frac{3}{4}$ -inch plywood.
 - 1) Cabinet sub-base shall be separate and continuous, pressure treated 1 x 4 or 2 x 4 with concealed fastening to cabinet bottom.
 - 2) Alternate shall be approved by the PROJECT COORDINATOR.
 - d) Cabinet hinges shall be flush overlay, concealed self-closing, all metal, 165 degree opening.
 - e) All cabinet bases shall be a full 4-inches height to receive a full height 4-inches vinyl base by Division 09000 without trimming.



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- f) Specify that all cabinet doors should be lockable at clinics, laboratories, science rooms, shops and child care spaces. Provide 50 percent lockable cabinets at all other spaces.
- g) All countertop corners that are not captured by walls or other cabinets shall be radiused a minimum of the countertop thickness.

END OF SECTION