

**DIVISION 06 – WOODS, PLASTICS, AND COMPOSITES****06 41 00 – Architectural Wood Casework**

1. General
  - a. Manufactured with low emitting materials; adhesives and composite wood products containing no added urea formaldehyde.
  - b. Mechanical joinery with body components secured utilizing concealed interlocking mechanical fasteners.
  - c. Finish at fabrication shops. Defer only final touchup, cleaning, and polishing until after installation.
  - d. Provide filler and closure panels where indicated and as needed to close spaces between cabinets and walls, ceilings, and indicated appliances. Fabricate from same material and with same finish as adjacent exposed cabinet surfaces unless otherwise indicated.
  - e. Provide knee space / modesty panels at spaces between base cabinets, where cabinets are not installed against wall or where space is not otherwise closed. Fabricate from same material and with same finish as exposed cabinet backs.
  - f. Casework shall be designed to standard sizes.
  - g. Provide rubber under-sink mat with lip for all sink cabinets.
2. Plastic-Laminate Cabinets
  - a. Acceptable Manufacturers:
    - i. Formica
    - ii. Wilsonart
  - b. Cladding for exposed surfaces shall be high-pressure decorative laminate, graded to the following standards:
    - i. Horizontal surfaces other than tops: Horizontal Grade Standard (HGS)
    - ii. Post-formed surfaces: Horizontal General Purpose (HGP)
    - iii. Vertical surfaces: Vertical Grade Post (VGP)
    - iv. Edge banding: Acrylonitrile Butadiene Styrene (ABS)
  - c. Grain Direction for Wood Grain Plastic Laminate
    - i. Vertical on doors, horizontal on drawer fronts
    - ii. Lengthwise on face frame members
    - iii. Vertical on end panels
    - iv. Side to side on bottoms and tops of units
    - v. Vertical on knee-space panels
    - vi. Vertical on aprons
  - d. Construction
    - i. AWI flush overlay
    - ii. NEMA LD 3, grades as indicated or as required by woodwork quality standard
    - iii. Base Cabinets: 24" deep unless noted otherwise
    - iv. Overhead wall-mounted cabinets: 12" deep unless noted otherwise
    - v. Bottoms of base cabinets and tall cabinets: 3/4" inch thick hardwood plywood
    - vi. Bottoms of wall and upper casework: 1" thick
    - vii. Tops and bottoms of wall cabinets and tops of tall cabinets: 1" thick
    - viii. Ends of cabinets: 3/4" thick
    - ix. Shelves: 1" thick
    - x. Drawer fronts: 3/4" thick
    - xi. Drawer sides and backs: Four-sided drawer box with back, front and sides, 1/2" thick with chemical resistant finish and finished top edges. Sides shall be joined by multiple dovetail all four corners.
    - xii. Drawer bottoms: 1/4" thick white coated MDF board, inset into all four sides of drawer box and sealed with hot melt glue process around entire drawer bottom perimeter.
    - xiii. Doors: 3/4" thick

**06 41 93 – Cabinet and Drawer Hardware**

1. General
  - a. Finish shall be brushed nickel unless noted otherwise.
2. Hinges
  - a. Use concealed European hinges.
  - b. Provide two hinges for doors up to 36" high.
  - c. Provide three hinges for doors up to 60" high.

- d. Provide four hinges for doors up to 84" high.
- 3. Pulls / Handles
  - a. Typical Wall and Base Cabinets
    - i. Heavy-duty aluminum wire institutional type
    - ii. One pull on drawings less than 27" wide and two pulls on drawers 27" wide and larger.
    - iii. Anchored at 4" on center.
  - b. Specialty Wall and Base Cabinets specified to receive wood veneer casework
    - i. Basis of Design: Richelieu modern metal pull #5632; 5-1/32"; finish as specified
    - ii. One pull on drawings less than 27" wide and two pulls on drawers 27" wide and larger.
  - c. Tall Cabinets
    - i. Three-point locking systems consisting of dummy handle on left hand door and three-point locking handle on right door, providing positive latching engagement at top, bottom and middle of door.
    - ii. Rod ends for three-point system extend into cabinet body and have a steel plate guide to protect the anchoring hole from wear.
- 3. Magnetic Catches
  - a. Basis of design: KV 918 ALUM Heavy-Duty Aluminum Magnetic Catch; 2-1/16" by 1"; pull strength of approximately 7 pounds; aluminum finish
  - b. Screw-mounted catch and strike plate have slotted holes for adjustability
  - c. Provide one catch for doors up to 36" high.
  - d. Provide two catches for doors 36" high or greater; located top and bottom.
- 4. Drawer Slides
  - a. BHMA A156.9, B05091
  - b. Heavy-duty, side-mounted, full-extension, zinc-plated steel ball-bearing
  - c. 100 lb. load capacity
- 5. Locks
  - a. Provided where shown or noted only.
  - b. Cylinder type, die-cast, five disc tumbler mechanism with removable core
  - c. Inactive door shall be secured by using an elbow catch.
  - d. Key as directed by RIT. Typical options:
    - i. Keyed differently by room
    - ii. Keyed differently by department
  - e. Provide two keys for each lock or fewer if approved by RIT.

**END OF DIVISION 06**