

SECTION 06 40 00 - INTERIOR ARCHITECTURAL WOODWORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 DESCRIPTION

- A. This section includes wood shelving, cabinets, counters, and other mill items.

1.03 RELATED WORK SPECIFIED ELSEWHERE

Section 05 50 00 – Metal Fabrications
Section 06 10 00 - Rough Carpentry
Section 06 20 00 - Finish Carpentry
Section 08 14 16 - Flush Wood Doors
Section 08 81 00 - Glazing
Section 09 91 00 - Painting
Section 10 28 00 - Toilet and Bath Accessories

1.04 STANDARDS AND WARRANTIES

- A. Except as otherwise shown or specified comply with provisions of Architectural Woodwork Institute (AWI) "Quality Standards".
- B. Provide a labor and material warranty for all casework to repair or replace defective materials or workmanship for 5 years from the date of Substantial Completion.

1.05 SUBMITTALS

- A. Submit shop drawings, samples and other data as indicated. Shop drawings shall show location of each item, dimensioned plans and elevations, large scale details, attachment devices and other components.
- B. Furnish samples of proposed plastic laminate for use in selecting colors.
- C. Submit fabricator's certification stating that the fabricated work meets the woodwork grades specified.

1.06 PROTECTION

- A. Protect cabinet work during transit, delivery, storage, and handling to prevent damage, soiling and deterioration.
- B. Do not deliver cabinetwork until painting, wet work, and similar operations which could damage, soil or deteriorate cabinetwork have been completed in installation areas. If, due to unforeseen circumstances, cabinetwork must be stored in other than installation areas, store only in areas which meet the requirements specified for installation areas.

- C. Maintain temperature and humidity in installation area as required to maintain moisture content of installed cabinetwork within a 1.0 percent tolerance of the optimum moisture content, from the date of installation through the remainder of the construction period. Fabricator of cabinetwork shall determine the optimum moisture content and required temperature and humidity conditions.

1.07 GENERAL

- A. Provide kiln-dried with an average moisture content range of 6% to 11%. Maintain temperature and relative humidity during fabrication, storage and finishing operations so that moisture content values for cabinetwork at time of installation do not exceed 5 - 10%.
- B. Comply with the details shown for profile and construction of cabinetwork and, where not otherwise shown, comply with applicable Quality Standards, with alternate details at Fabricator's option.
- C. Fabricate cabinetwork with pre-cut openings, wherever possible, to receive hardware, plumbing fixtures, electrical work and similar items. Ensure proper fit of equipment to be inserted in cabinetwork. Locate openings accurately and use roughing-in diagrams for proper size and shape. Smooth edges of cutouts and, where located in countertops, seal edges of cutouts with a water-resistant coating.
- D. Before proceeding with fabrication of cabinetwork required to be fitted to other construction, obtain measurements and verify dimensions and shop drawing details as required for accurate fit. Where sequence of measuring substrates before fabrication would delay the project, proceed with fabrication (without field measurements) and provide ample borders and edges to allow for subsequent scribing and trimming of woodwork for accurate fit.

1.08 QUALITY STANDARDS

- A. For the following types of architectural woodwork comply with the indicated standards as applicable:

Wood cabinetwork - AWI Sections 400A Premium Grade.
Countertops - AWI Section 400C.

PART 2 - PRODUCTS

2.01 CASEWORK

- A. Where noted on Drawings provide plastic-laminate covered, flush overlay cabinetwork, AWI Premium Grade.
- B. Plastic Laminate, Formica, Wilsonart, Nevamar, or equal:
 - 1. For horizontal surfaces - NEMA GP-50.
 - 2. For vertical surfaces - NEMA GP-50 or GP-28.
- C. Plastic laminate finish is as follow: PLAM 1 is Formica, Planked Coffee Oak #7413. PLAM 2 is Formica, Neutral White #918-58.

- D. Face construction shall be flush overlay type. Provide 3/4" thick doors, drawer fronts and fixed panels except where required to be thicker by the Standards; and provide flush units.
- E. Exposed veneer and solid wood parts shall be Plain-Sliced Oak.
- F. Interior wood for painted finish:
 - 1. Solid wood - Poplar complying with requirements for specified woodwork grade.
 - 2. Plywood - Softwood with exterior glue and Medium Density Overlay, PS 1.

2.02 PLASTIC LAMINATE COUNTERTOPS FOR CASEWORK

- A. Countertops shown to be laminate covered shall be AWI Premium Grade.
- B. Construct counters as shown or, if details are not shown, comply with standards. Where back and side splashes are shown they shall be 4" high, top mounted square butt joint, fully covered with matching plastic laminate, eased edges.
- C. Exposed counter edges shall have plastic laminate matching surface, unless otherwise indicated. Ease exposed edges of overlap sheet.
- D. Cut openings for equipment to be installed. Comply with equipment manufacturer's requirements, but provide internal corners of 1/8" minimum radius. Smooth saw cut and ease edges.
- E. Seal cut edges of counter at openings for sinks and other "wet" equipment, using waterproofing compound recommended by plastic laminate manufacturer and compatible with laminating adhesive.

2.03 CABINETWORK HARDWARE

- A. Provide operating cabinetwork hardware as follows:
 - 1. Each drawer: BLUM Metabox 320 Series $\frac{3}{4}$ " extension drawer assembly.
 - 2. Each hinged cabinet door: 1 pair hinges, BLUM CLIP. Provide locks where shown on Drawings. Keying shall be compatible with drawer locks.
 - 3. Adjustable shelf hardware: K&V standards 255AL, (side mounted) with 4 - K&V supports 256 per shelf, or equal.
 - 4. Drawer Locks: K&V drawer lock number 987NP.
 - 5. Pulls: EPCO AS53-108-SS (@ Base and Upper cabinets)
EPCO AS53-268-SS (@ Tall cabinets)
 - 6. Concealed Countertop Supports: RAKKS EH Countertop Support Bracket, clear anodized finish

2.04 MISCELLANEOUS

- A. Grommets for cable passage through countertops: 2" o.d. Black, molded plastic grommets with 1-1/2" hole and plastic cap with slot for wire passage.
- B. Quartz Countertops: Cambria, Whitney Matte - Signature

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Deliver cabinetwork to building completely assembled where possible. Where units are too large to pass through openings deliver partially assembled, after parts have been shop assembled for fit. Provide scribe pieces of sufficient length and width to fit wall and ceiling conditions. Anchor each unit in place using suitable devices.
- B. Install the work plumb, level, true and straight with no distortions. Shim as required using concealed shims. Install to a tolerance of 1/8" in 8'-0" for plumb and level (including countertops); and with 1/16" maximum offset in flush adjoining surfaces, 1/8" maximum offsets in revealed adjoining surfaces.
- C. Scribe and cut work to fit adjoining work, and refinish cut surfaces or repair damaged finish at cuts.
- D. Anchor cabinetwork to anchors or blocking built-in or directly attached to substrates. Secure to grounds, stripping and blocking with countersunk, concealed fasteners and blind nailing as required for a complete installation. Use fine finishing nail for exposed nailings, countersunk and filled flush with woodwork, and matching final finish where transparent finish is indicated.
- E. Install cabinetwork without distortion so that doors and drawers will fit openings properly and be accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.
- F. Anchor countertops securely to base units and other support systems as indicated.
- G. Complete the assembly of storage shelving and install in the areas indicated, including hardware and accessories as shown.
- H. Repair damaged and defective woodwork wherever possible to eliminate defects, functionally and visually; where not possible to repair properly, replace woodwork. Adjust joinery for uniform appearance.

END OF SECTION