PART 1 - GENERAL

1.1 SUMMARY

A. Products Supplied But Not Installed Under This Section:
   1. Custom casework.

B. Related Sections:
   2. Section 06 4001: Common Architectural Woodwork Requirements.
   3. Section 22 4200: Plumbing Fixtures.

1.2 SUBMITTALS

A. Shop Drawings:
   1. Confirm compliance with Contract Document requirements as to configuration and dimensions of
custom casework.
   2. Include plan and elevation views, materials used, standing and running trim profiles, assembly
methods, joint details, fastening methods, accessories, and hardware.

B. Quality Assurance / Control:
   1. Copy of AWI manual with shop drawing submission.

1.3 QUALITY ASSURANCE

A. Mock-Up: Before fabrication of complete casework package, submit section or sections of cabinetry
containing typical drawer, shelving, cabinet door panel, and hardware. Mock-ups may be installed in
Project after approval.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Wood Materials:
   1. Exposed: Plain sawn Red Oak.
   2. Semi-exposed And Concealed: Species as acceptable for AWI custom grade.

B. Panel Product:
   1. Cores:
      a. Cabinet Doors: Medium density fiberboard (MDF) with minimum density of 48 lbs per cu ft
         769 kg per cu meter.
      b. All Other: Industrial grade particle board with minimum density of 45 lbs per cu ft 721 kg per
         cu meter.
   2. Facings:
a. Hardwood veneer facings shall be plain sliced Red Oak AWI Grade A, or equal by HPVA, NWWDA, or APA.
b. All other facings shall be Melamine or Kortron.

3. Edgings:
   a. Cabinet Doors And Drawer Fronts Higher Than 8 Inches 200 mm: 3/4 inch by 1/4 inch 19 mm by 6 mm edge-band of wood species matching hardwood face veneer.
   b. Shelves And Exposed Panel Product Edges: Hot-glued, 2 mm thick minimum, PVC edge-banding. Wood-grain, except color matching Melamine or Kortron surface at shelf edges.
   c. Semi-Exposed Panel Product Edges: Hot-glued, 0.018 inch 0.46 mm thick minimum, wood grained PVC edge-banding.

4. Glues used in manufacture and fabrication of panel products shall be Type I or II.

5. Moisture content shall be same as specified for lumber.

2.2 COMPONENTS

A. Casework Doors:
   1. Doors under 1-3/8 inch 35 mm thick: Panel Product.
   2. Doors 1-3/8 inch 35 mm or more thick:
      a. Door Grade: AWI Custom hollow-core.
      b. Face Veneer:
         1) Plain sliced Red Oak meeting requirements of AWI Grade A, 1/50 inch 0.5 mm thick minimum immediately before finishing.
         2) Face veneers shall be running book matched.
      c. Stiles:
         1) 1-1/4 inches 32 mm deep minimum before fitting.
         2) 1/4 inch 6 mm minimum of stile face to be hardwood matching face veneer material.
      d. Rails:
         1) 1-1/8 inches 27 mm.
         2) Mill option material.

B. Cabinet And Drawer Hardware:
   1. Cabinet And Drawer Pulls:
      a. US26D steel-plated, brass / bronze core bow handles, 4 inches 100 mm long minimum.
      b. Type Two Acceptable Products:
         1) 4484 by Stanley.
         2) Equal as approved by Architect before installation. See Section 01 6000.
   2. Cabinet And Drawer Locks:
      a. Pin tumbler type suitable for location. Key individually by cabinet grouping shown on signage schedule. Stamp keys with Room number and cabinet designation as shown on signage schedule.
      b. Key cabinets and drawers within an Office alike.
      c. Crosskey knife drawer in Serving Area so all other cabinet and drawer keys will open drawer.
      d. Type Two Acceptable Manufacturers:
         1) CompX National Lock.
         2) Olympus Lock Inc.
         3) Equal as approved by Architect before installation. See Section 01 6000.
   3. Cabinet Adjustable Shelf Supports:
      a. Either of following systems are acceptable, at Fabricator's option:
         1) 32mm System: Casework Fabricator's standard.
         2) Traditional System:
            a) Class Two Quality Standards: 255 and 256 by Knape & Vogt.
   4. Cabinet Hinges:
      a. European style, self-closing.
      b. Doors 48 inches 1 200 mm High or Less:
         1) 120 degree opening minimum.
         2) Two hinges.
4) Category Four Approved Manufacturers. See Section 01 6000 for definitions of Categories.
   a) Julius Blum.
   b) Grass America.
   c) Knape & Vogt.
   d) Mepla-Alfit.
   e) Salice.

   c. Doors More Than 48 inches 1200 mm High:
      1) 170 degree opening minimum.
      2) Four hinges minimum.

4) Category Four Approved Manufacturers. See Section 01 6000 for definitions of Categories.
   a) Julius Blum.
   b) Grass America.
   c) Knape & Vogt.
   d) Mepla Inc.
   e) Salice.

5. Cabinet Inactive Leaf Catches:
   a. Class Two Quality Standards:
      1) Full-Height Doors: Two Surface Bolts No 043-2 inch 50 mm by Ives.
      2) All Other Doors: Elbow Catch No 2 by Ives.

6. Drawer Guides:
   a. Pencil Drawers:
      1) Steel ball bearings, 45 lb 20 kg load rating.
      2) Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         a) Series 2006 by Accuride.
         b) Series KV8200 by Knape & Vogt.
   b. Standard Drawers:
      1) Full extension, steel ball bearings, 100 lb 45 kg load rating.
      2) Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         a) Series 3832 by Accuride.
         b) Series KV8400 by Knape & Vogt.
   c. Lateral Files:
      1) Full extension, steel ball bearings, 150 lb 68 kg load rating.
      2) Category Four Approved Products. See Section 01 6000 for definitions of Categories.
         a) Series 4034 by Accuride.
         b) Series KV8505 by Knape & Vogt.
         c) Series 3640 by Accuride.
         d) Series KV8520 by Knape & Vogt.

7. Manufacturers:
   e. Ives, Indianapolis, IN  www.iveshardware.com.

2.3 FABRICATION

A. Construction:
   1. Cabinet Body:
      a. Use AWI Flush Overlay construction on cabinet bodies.
b. If used, install Rail System adjustable shelf supports recessed.

2. Drawers:
   a. Fabricate with separate, screw-attached drawer front.
   b. Joints shall be dowel and pressure-glued, or lock shoulder, glued, and pin nailed.
   c. Set bottoms into sides, backs, and subfront with 1/4 inch 6 mm deep groove with 3/8 inch 9 mm minimum standing shoulder.
   d. Every drawer shall have specified drawer guides and pull installed. Install drawer guides with 'Euroscrews', and pulls with through-bolts passing through both front and sub-front.

3. Cabinet Doors:
   a. Full height, panel product cabinet doors may be fabricated in two pieces and joined on back with metal backplate. Backplate shall match interior door surface color.
   b. Hinges: Install hinges using plastic insertion dowels for hinges and 'Euroscrews' for baseplates.
   c. Every cabinet door shall have specified pull installed.

B. Cabinet Component Thickness And Material:
   1. Use hardwood veneer facing on panel product, except on following surfaces, where Kortron or Melamine shall be used.
      a. Cabinet interiors and shelving faces behind cabinet doors in all rooms.
      b. Cabinet interiors and shelving faces exposed to view in Material Center, Sacramento Preparation Room, Serving Area, and Storage Rooms.
      c. Cabinet exteriors permanently concealed.
      d. Drawer sides, backs, bottoms, and subfronts.
   2. Ends, Divisions, Bottoms, Tops: 3/4 inch 19 mm thick panel product.
   3. Rails: 3/4 inch 19 mm thick panel product.
   4. Shelves:
      a. Panel product.
      b. Thickness:
         1) 30 Inch 750 mm Span And Less: 3/4 inch 19 mm thick.
         2) Spans Over 30 Inches 750 mm To 42 Inches 1 050 mm: One inch 25 mm thick.
         3) Spans Over 42 inches 1 050 mm: One inch 25 mm thick and provide Hafele or equal center supports.
   5. Backs: 1/4 inch 6 mm thick panel product.
   6. Doors: 3/4 inch 19 mm thick panel product.
   7. Drawer Sides, Backs, And Subfronts: 1/2 inch 12.5 mm thick minimum panel product.
   8. Drawer Bottoms: 1/4 inch 6 mm thick panel product.
   9. Separate Drawer Front:
      a. 8 Inches 200 mm High And Less: 3/4 inch 19 mm thick solid hardwood
      b. More Than 8 Inches 200 mm High: 3/4 inch 19 mm panel product
   10. Hardboard Dividers: 1/4 inch 6 mm thick panel product
   11. Hardboard Shelves: 1/8 inch 3 mm thick hardboard, smooth both sides

C. Install plastic grommets in cable access holes in countertops.

PART 3 - EXECUTION: Not Used