

## **PART 1 GENERAL**

### **1.1 SUMMARY**

- A. Section includes custom-fabricated cabinet units; counter tops; decorative screen panels; cabinet hardware; preparation for installing utilities in cabinets; and shop site finishing.
- B. Related Sections:
  - 1. Section 06100 - Rough Carpentry.
  - 2. Section 09900 - Paints and Coatings: Site finishing of cabinet.

### **1.2 REFERENCES**

- A. American National Standards Institute:
  - 1. ANSI A156.9 - Cabinet Hardware.
  - 2. ANSI A208.1 - Mat-Formed Wood Particle Board.
- B. Federal Specification Unit:
  - 1. FS A-A-1936 - Adhesive, Contact, Neoprene Rubber.
- C. National Electrical Manufacturers Association:
  - 1. NEMA LD 3 - High Pressure Decorative Laminates.
- D. Product Standards:
  - 1. PSI Construction and Industrial Plywood
  - 2. PS 20 American Softwood Lumber Standard
  - 3. PS 58 Basic Hardwood
- E. Woodwork Institute of California:
  - 1. WIC - Manual of Millwork.

### **1.3 SUBMITTALS**

- A. Section 01330 - Submittal Procedures: Submittal procedures.
- B. Shop Drawings: Indicate materials, component profiles and elevations, assembly methods, joint details, fastening methods, accessory listings, hardware location and schedule of finishes.
- C. Product Data: Submit data for hardware accessories and epoxy resin products.

### **1.1 QUALITY ASSURANCE**

- A. Perform work in accordance with WIC (Woodwork Institute of California) Manual of Millwork, Custom Grade, except for exposed wood portions of casework which shall be Premium Grade.

### **1.5 DELIVERY, STORAGE, AND HANDLING**

- A. Section 01600 - Product Requirements: Product storage and handling requirements.
- B. Protect units from moisture damage.

### **1.6 ENVIRONMENTAL REQUIREMENTS**

- A. Section 01600 - Product Requirements.
- B. During and after installation of Work of this section, maintain same temperature and humidity conditions in building spaces as will occur after occupancy.

### **1.7 FIELD MEASUREMENTS**

- A. Verify field measurements prior to fabrication.

## **PART 2 PRODUCTS**

### **2.1 CUSTOM CABINETS**

- A. Fabricators:
  - 1. New Horizons, Inc.
  - 2. Jackson Creek Millwork
  - 3. Cascade Cabinets
  - 4. Substitutions: Section 01600 - Product Requirements.

### **2.2 COMPONENTS**

- A. Hardwood Lumber: WIC Premium Grade; maximum moisture content of 6-8 percent.
  - 1. Painted Wood: Plain sawn poplar.
  - 2. Stained Wood: Plain sawn select white maple.
- B. Wood Particleboard: ANSI A208.1 Type 1 2; composed of wood chips or sawdust, 45 lb. density, made with water resistant adhesive; sanded faces.
- C. Melamine Coated Particleboard: Georgia Pacific, Roseburg or Pickering melamine coated particleboard panels. Color as selected from full range of standard and custom colors.
- D. High Pressure Decorative Laminate for all exposed portions of cabinets, unless otherwise noted: NEMA LD 3, GP50 for horizontal surfaces, GP28 for vertical surfaces, CL20 for cabinet liner surfaces, BK20 for undecorated backing sheets, PF42 for post forming, through color pattern and matte surface texture as selected. Manufacturer and colors as indicated on drawings.

### **2.3 ACCESSORIES**

- A. Adhesive for High Pressure Decorative Laminates: FS A-A-1936 contact adhesive.
- B. Fasteners: Size and type to suit application.
- C. Bolts, Nuts, Washers, Lags, Pins, and Screws: Of size and type to suit application; steel finish in concealed locations and stainless steel finish in exposed locations.

### **2.4 HARDWARE**

- A. Hardware Finish (unless otherwise noted): 626 Dull Chrome.
- B. Shelf Supports: Knappe and Vogt 346 NP, four per shelf, spaced at 1-1/4 inches o.c.
- C. Drawer and Door Pulls: Baldwin 4676 wire pull, steel. Two required for drawers over 18 inches wide; one per door leaf.
- D. Cabinet Locks: National lock C-8105 pin tumbler, finish to match cabinet hardware. Keyed cylinder, two keys for each lock, master keyed.
- E. Catches: Touch type.
- F. Drawer Slides:
  - 1. Drawers 10 inches high and less - Blum 230 E 3/4 extension, 100 lb. rated.
  - 2. Drawers over 10 inches high - Blum 430 full extension, 100 lb. rated.
- G. Hinges: Blum 95M 5580, 125 with 195H7190 meeting plate for reveal overlay design.
- H. Rubber Bumpers: Provide for all drawers.
- I. File Drawer Accessories: Pendaflex letter size hanging file system for each drawer noted "File."
- J. Closet Poles: Knappe and Vogt 660 with 734/735 brackets.
- K. Computer Cabinet Hardware: Accuride Flipper Door Slides, Model 1332.
- L. Pivot Door Slides: Knappe and VOGT 8085 3/4 extension pivot door slide for 3/4 inch doors.
- M. Wire Grommets: Doug Mockett EDP Flip-Top, 2-1/2 inch, finish and color to be selected.

## 2.5 FABRICATION

- A. Fabricate casework in accordance with WIC Custom Grade for all work except wood portions which shall be fabricated in accordance with WIC Premium Grade; WIC Flush Overlay Design, unless noted or detailed otherwise. WIC design classification numbers are used on drawings to describe cabinet types, unless otherwise noted.
- B. Shop assemble casework for delivery to site in units easily handled and to permit passage through building openings.
- C. Fit shelves, doors, and exposed edges with PVC flush edging. Use one piece for full length only.
- D. Cap exposed high pressure decorative laminate finish edges with material of same finish and pattern.
- E. Door and Drawer Fronts: 3/4 inch thick; flush overlay.
- F. When necessary to cut and fit on site, fabricate materials with ample allowance for cutting. Furnish trim for scribing and site cutting.
- G. Apply high pressure decorative laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Locate counter butt joints minimum 2 feet from sink cut-outs.
- H. Apply laminate backing sheet to reverse side of plastic laminate finished surfaces.
- I. Provide tight radius coved backsplash. Self-edge backsplash top. Nosings per drawings.
- J. Recess toe space at all exposed faces of cabinet, including knee spaces.
- K. Fabricate cabinets and counter tops with cutouts for plumbing fixtures, inserts, appliances, outlet boxes, fixtures and fittings, and specialties. Verify locations of cutouts from on-site dimensions. Seal cut edges.
- L. Provide shelf bracket holes at 1-1/4 inches o.c.
- M. Cabinet sides and dividers shall be 3/4 inch thick.
- N. Cabinet backs at all locations shall be 1/4 inch thick melamine faced particle board.
- O. Shelves shall be 3/4 inch thick under 30 inches in length; 1 inch thick 30 inches long and over. PVC edge one long side.
- P. Semi-Exposed Cabinet and Drawer Interiors:
  - 1. General: Melamine.
  - 2. Door and Drawer Backs: Cabinet liner.
  - 3. Shelves: Melamine.
  - 4. Removable Dividers: Melamine.
- Q. Fully exposed interiors shall be laminated plastic.
- R. Provide completely closed top for all wall cabinets and scribe spaces. Cut out cabinet dividers at under cabinet light recess.

## 2.6 SHOP FINISHING

- A. Sand work smooth and set exposed nails and screws.
- B. Apply wood filler in exposed nail and screw indentations.
- C. On items to receive transparent finishes, use wood filler matching surrounding surfaces and of types recommended for applied finishes.

## PART 3 EXECUTION

### 3.1 EXAMINATION

- A. Section 01300 - Administrative Requirements: Coordination and project conditions.

- B. Verify adequacy of backing and support framing.
- C. Verify location and sizes of utility rough-in associated with work of this section.

**3.2 INSTALLATION**

- A. Set and secure casework in place; rigid, plumb, and level.
- B. Use fixture attachments in concealed locations for wall mounted components.
- C. Use concealed joint fasteners to align and secure adjoining cabinet units.
- D. Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.
- E. Secure cabinet and counter bases to floor using appropriate angles and anchorages.
- F. Secure back splashes to walls with adhesive. Fill joint between wall and backsplash and wall and cabinet with joint sealant, color to match adjacent plastic.
- G. Provide two equally spaced cadmium-plated oval head Phillips screw fasteners with finish washers in each cabinet section, aligned horizontally.
- H. Provide wire management grommets at locations of under counter electrical, computer and telephone outlets, located as directed. Match grommets to countertop.
- I. Countersink anchorage devices at exposed locations. Conceal with solid wood plugs of species to match surrounding wood; finish flush with surrounding surfaces.
- J. Site glaze glass materials using Interior method specified in Section 08800.

**3.3 ADJUSTING**

- A. Section 01700 - Execution Requirements: Testing, adjusting and balancing.
- B. Adjust moving or operating parts to function smoothly and correctly.

**3.4 CLEANING**

- A. Section 01700 - Execution Requirements: Final cleaning.
- B. Clean casework, counters, shelves, hardware, fittings, and fixtures.

END OF SECTION