

## SECTION 06402 - INTERIOR ARCHITECTURAL WOODWORK

### PART 1 - GENERAL

#### 1.1 SUMMARY

A. This Section includes the following:

1. Laminate clad cabinets (plastic-laminate-covered casework) and related cabinet hardware.
2. Solid Surfacing Material Countertops.

#### 1.2 DEFINITIONS

- A. Exposed Surfaces: Surfaces visible when doors are closed; bottoms of casework 43 inches or more above finished floor.
- B. Semi-Exposed Surfaces: Surfaces which become visible when opaque doors are open; bottoms of casework are more than 30 inches and less than 42 inches above finished floor.
- C. Concealed Surfaces: Surfaces considered concealed when surfaces not visible after installation; bottoms of casework less than 30 inches above finished floor; tops of casework over 78 inches above finished floor and not visible from an upper level; stretchers, blocking, and components concealed by casework construction.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of product and process specified in this section and incorporated into items of architectural woodwork during fabrication, finishing, and installation.
- B. Shop Drawings: Showing location of each item, dimensioned plans and elevations, large-scale details, attachment devices, and other components.
- C. Samples: Of actual units or sections of units showing full range of colors, textures, and patterns available for each type of material indicated.
1. Plastic laminate or Solid Surface; submit manufacturer's sample colors as indicated on finish schedule.

#### 1.4 QUALITY ASSURANCE

- A. AWI Quality Standard: Comply with applicable requirements of "Architectural Woodwork Quality Standards" published by the Architectural Woodwork Institute (AWI) except as otherwise indicated.

### PART 2 - PRODUCTS

#### 2.1 PRODUCTS AND MANUFACTURERS

- A. Manufacturers: subject to compliance with requirements, provide products by one of the following:
  - 1. Wilsonart
  - 2. Nevamar
  - 3. Formica
  - 4. Corian
  - 5. Silestone
- B. Plastic Laminate: Refer to Interior Finish Drawing/Schedule.
- C. Solid Surface Countertops: Refer to Interior Finish Drawing/Schedule.

## 2.2 MATERIALS

- A. General: Provide materials that comply with requirements of the AWI woodworking standard for each type of woodwork and quality grade indicated and, where the following products are part of woodwork, with requirements of the referenced product standards, that apply to product characteristics indicated:
  - 1. High Pressure Laminate: NEMA LD 3.
  - 2. Particleboard: AWI grade Medium Density (M series), 42-50 pounds per cubic foot density.
  - 3. Sealant: Division 7 Section "Joint Sealants."

## 2.3 LAMINATE CLAD CABINETS (PLASTIC-COVERED CASEWORK) AND SHELVES & SOLID SURFACE COUNTERTOPS

- A. Quality Standard: Comply with AWI Section 400 and its Division 400B "Laminate Clad Cabinets."
  - 1. Grade: Premium.
  - 2. AWI Type of Cabinet Construction: Flush overlay.
  - 3. Plastic Laminate countertops must be chemical-resistant.
  - 4. Grade Solid Surface: Economy.
- B. Laminate Cladding: High pressure decorative laminate complying with the following requirements:
  - 1. Colors, Patterns, and Finishes: Refer to the Finish Legend.
  - 2. Laminate Grade for Exposed Surfaces: Provide laminate cladding complying with the following requirements for type of surface and grade.
    - a. Horizontal Surfaces Other Than Tops: GP-50 (0.050-inch nominal thickness).
    - b. Vertical Surfaces: GP-28 (1/32"-inch nominal thickness).
    - c. Edges: GP-50 (0.050-inch nominal thickness).
  - 3. Semi-exposed Surfaces: Provide surface materials indicated below:

- a. Grade: Standard Grade high pressure laminate (melamine).
  - b. Color: To be selected by the Architect from standard color selections.
- C. Substrate for Plastic Laminate: Particleboard & 3/4" Plywood at countertops.
- 1. Thickness: As indicated.

## 2.4 HARDWARE

- A. Standard Cabinet Pulls: Solid metal (aluminum) wire type, mounted with 2 screws, with bases, fastened from back.
- 1. Product and Manufacture: Catalog No. 4484 as manufactured by Stanley Hardware or equal as manufactured by Hettich America Corp., or Hafele.
    - a. Finish: Satin, anodized.
- B. Hinges: Overlay, self-closing, all metal, 175-degree opening, and independent screw action. Hinge plate shall be zinc die cast, T-type, full adjustable. Provide number of hinges per door as recommended by the manufacturer based on door dimension.
- 1. Product and Manufacturer: 1200 Series as manufactured by Grass America, Inc. or equal as manufactured by Hafele.
- C. Standards and Supports (Brackets):
- 1. Product and Manufacturer: No. 255 Standards and No. 256 Supports (Brackets), Knape & Vogt or equal.
- D. Drawer Slides:
- 1. File Drawers: Full extension, side mounted, heavy-duty; 150 pound load rating.
    - a. Product and Manufacturer: Model 8500 as manufactured by Knape & Vogt or equal as manufactured by Accuride, Grass America, Inc., or Hafele.
  - 2. All Other Drawers: Full extension, side mounted, heavy-duty; 100 pound load rating.
    - a. Product and Manufacturer: Model 8400 as manufactured by Knape & Vogt
- E. Casework Shelf Standards and Supports: Recessed.
- 1. Product and Manufacturer: No. 255 Standards and No. 256 Supports; Knape & Vogt or equal.
- G. Bumpers: Self-adhering molded rubber type, off-white color. Foam, felt, or plastic type bumpers are not acceptable. Provide two (2) each for doors and drawers.
- I. Locks: Lever type lock, with cylinder and rosette, for vertical mounting. Closure travel 90-degrees. Provide strike plates for each lock.

1. Description: Disc 5 tumbler; die cast.
2. Lever Direction: Standard, unless otherwise required to suit casework indicated.
3. Finish: Nickel-plated.
4. Keying: Provide 2 keys per lock.
  - a. Key locks alike per room.

J. Keyboard Tray: Extension type keyboard tray with mouse tray attachment.

1. Product and Manufacturer – Basis of Design: Model 5710 SP BLK; Knape & Vogt.

K. Grommets: Cast plastic liner with cap.

1. Product and Manufacturer: MM4 and MM4A Grommet; Doug Mockett & Company, Inc.
2. Color: Matte black.

## 2.5 CABINET TOPS (COUNTERTOPS)

A. Quality Standard: Comply with AWI Section 400 and its Division 400C.

B. Type of Top: High pressure decorative laminate complying with the following:

1. Grade: Premium.
2. Laminate Cladding for Horizontal Surface: High pressure decorative laminate as follows:
  - a. Colors, Patterns, and Finishes: Refer to the Finish Legend.
  - b. Grade: GP-50 (0.050-inch nominal thickness).
3. Edge Treatment: Same as laminate cladding on horizontal surfaces.

C. Substrate for Plastic Laminate – Countertops: Plywood

1. Thickness: As indicated.

## 2.6 SHELVES

A. Quality Standard: Comply with AWI Section 400 and its Division 400C.

B. Substrate for Plastic Laminate: Particleboard.

1. Shelf Thickness: As indicated.
2. Laminate Cladding for Tops and Bottoms, Ends, and Front and Back: High pressure decorative laminate as follows:

- a. Colors, Patterns, and Finishes: Refer to the Finish Legend.
- b. Grade: GP-28 (1/32"-inch nominal thickness).

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Quality Standard: Install woodwork to comply with AWI Section 1700 for same grade specified in Part 2 of this section for type of woodwork involved.
  - 1. Install work plumb, level, true, and straight with no distortions. Shim as required with concealed shims. Install to a tolerance of 1/8 inch in 8'-0" for plumb and level (including tops) and with no variations in flushness of adjoining surfaces.
  - 2. Anchor woodwork 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.
  - 3. Calk space at backsplash and wall with sealant specified in Division 7 Section "Joint Sealants."
- B. Cabinets: Install without distortion so that doors fit openings properly and are accurately aligned. Adjust hardware to center doors in openings and to provide unencumbered operation. Complete the installation of hardware and accessory items as indicated.
- C. Tops: Anchor securely to base units and other support systems as indicated.

#### 3.2 ADJUSTMENT AND CLEANING

- A. Repair damaged and defective woodwork where possible to eliminate defects functionally and visually; where not possible to repair, replace woodwork. Adjust joinery for uniform appearance.
- B. Clean, lubricate, and adjust hardware.
- C. Clean woodwork on exposed and semi-exposed surfaces. Touch up factory-applied finishes to restore damaged or soiled areas.

#### 3.3 PROTECTION

- A. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and Installer that ensures that woodwork is being without damage or deterioration at time of Substantial Completion.

END OF SECTION 06402