



## **SECTION 12 30 00 – CASEWORK**

### **PART 1 - GENERAL**

#### **1.1 SUMMARY**

- A. Section includes interior woodwork for the following applications:
  - 1. Wood cabinets.
  - 2. Plastic-laminate cabinets.
  - 3. Solid-surfacing-material countertops.

**NOTE:** The Architect of Record shall prepare and sign a letter addressed to LAWA certifying that the installed millwork, either stand alone or combined with any equipment that is integrated into the millwork or sitting on top of the millwork, is in compliance with ADA Standards.

#### **1.2 SUBMITTALS**

- A. Product Data: For the following:
  - 1. Cabinet hardware and accessories.
  - 2. Handrail brackets.
  - 3. Finishing materials and processes.
- B. Shop Drawings: Include location of each item, plans and elevations, large-scale details, attachment devices, and other components.
- C. Samples:
  - 1. Lumber and panel products for transparent finish, for each species and cut, finished on one side and one edge.
  - 2. Lumber and panel products with shop-applied opaque finish, for each finish system and color, with exposed surface finished.
  - 3. Plastic-laminate-clad panel products, for each type, color, pattern, and surface finish.
  - 4. Thermoset decorative-overlay surfaced panel products, for each type, color, pattern, and surface finish.
  - 5. Solid-surfacing materials.

#### **1.3 QUALITY ASSURANCE**

- A. Installer Qualifications: Fabricator of products or licensee of AWI's Certified Compliance Program.
- B. Quality Standard: Unless otherwise indicated, comply with AWI's "Architectural Woodwork Quality Standards" for grades of interior architectural woodwork, construction, finishes, and other requirements.
  - 1. This project has been registered as AWI/QCP Number.



2. Provide AWI certification labels or compliance certificate indicating that woodwork complies with requirements of grades specified.
- C. Fire-Test-Response Characteristics: Where fire-retardant materials or products are indicated, provide materials and products with specified fire-test-response characteristics as determined by testing identical products per test method indicated by UL, ITS, or another testing and inspecting agency acceptable to the Los Angeles Department of Building and Safety.
  - D. Forest Certification: Provide interior architectural woodwork produced from wood obtained from forests certified by an FSC-accredited certification body to comply with FSC STD-01-001, "FSC Principles and Criteria for Forest Stewardship."
  - E. Mockups: Construct mockups at the jobsite to verify compliance with the construction documents and the written comments issued during the LAWA submittal reviews.
    1. Include the following mockups:
      - a. Functional Mock Up: Fabricate from plywood or particle board in configuration indicated to confirm podium configuration, coordination and integration of all equipment including, but not limited to, computers, ticket spitters, monitors, and dynamic signage displays.

**NOTE:** Whenever practical, the millwork is to be designed with integral cable raceways with future expansion in mind. Within this millwork, discretely locate any access panels that are to be provided for ease of cable and wiring maintenance. Such millwork installations will require coordination with electrical and communication disciplines. Underlying floor mounted electrical outlets are to be fully recessed with cover plates and smoothly aligned with the adjacent floor finishes.

- b. Aesthetic Mock Up: Fabricated from specified and indicated materials; incorporate all requested modifications from the Functional Mock Up.
  2. Construct all mock ups at jobsite.
  3. Approved mock ups may **not** become part of the completed work.
- F. Conduct pre-installation conference at the jobsite.

#### **1.4 PROJECT CONDITIONS**

- A. Environmental Limitations: Do not deliver or install woodwork until building is enclosed, wet work is complete, and HVAC system is operating and maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.



## **PART 2 - PRODUCTS**

### **2.1 WOODWORK FABRICATORS**

- A. Fabricators: Subject to LAWA review.

### **2.2 MATERIALS**

- A. Thermoset Decorative Overlay: Particleboard or medium-density fiberboard with surface of thermally fused, melamine-impregnated decorative paper complying with LMA SAT-1.
- B. High-Pressure Decorative Laminate: NEMA LD 3.
  - 1. Manufacturers: Subject to compliance with LAWA requirements, provide products by one of the following:
    - a. Formica Corporation.
    - b. Lamin-Art.
    - c. Wilsonart International; Div. of Premark International, Inc.
    - d. Nevamar Company
- C. Solid-Surfacing Material (SSM): Provide material that meets or exceeds ISSFA-2-01 performance standards, consisting of reacted monomers and resins, mineral fillers and pigments and manufactured in sheets of specific thicknesses. SSM shall be solid, non-porous, homogeneous, hygienic, renewable, and, when applicable, may feature inconspicuous hygienic seams. SSM shall be free from conspicuous internal strengthening fibers.
  - 1. Products: Subject to compliance with LAWA requirements, provide one of the following:
    - a. Avonite, Inc.; Avonite.
    - b. DuPont Polymers; Corian.
    - c. Wilsonart International, Div. of Premark International, Inc.; Gibraltar.
    - d. Nevamar Company
    - e. HanStone
    - f. Formica Corporation
- D. Stainless Steel Sheet: ASTM A240 / A240M or ASTM A666, Type 304, stretcher-leveled standard of flatness.

### **2.3 CABINET HARDWARE AND ACCESSORIES**

- A. General: Provide cabinet hardware and accessory materials for a complete installation of architectural woodwork.

**NOTE:** Coordinate all cabinet hardware with the Door Hardware schedule.

- B. Hardware Standard: Comply with BHMA A156.9 for items indicated by referencing BHMA numbers or items referenced to this standard.
- C. Frameless Concealed Hinges (European Type):



**Guide Specification**  
*Los Angeles World Airports*

1. Provide 170 degree minimum opening capabilities. For end doors perpendicular to walls, provide 90 degree type.
- D. Drawer Slides: Unless noted otherwise, provide positive stop, side-mounted, full-extension, zinc-plated steel drawer slides with steel ball bearings.
- E. Door and Drawer Locks:
  1. Pin and tumbler slide bolt lock, two keys each.
  2. Key all locks inside one room alike and provide masterkey for all locks in project to LAWA.
  3. Finish to match adjacent pull, or as selected by LAWA.
- F. Exposed Hardware Finishes: Complying with BHMA A156.18 for BHMA finish number indicated.

**2.4 MISCELLANEOUS MATERIALS**

- A. Adhesives, General: Do not use adhesives that contain added urea formaldehyde.
- B. Low-Emitting Materials: Adhesives shall comply with the testing and product requirements of the California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."
- C. VOC Content for Installation Adhesives and Glues: Comply with the following limits when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

**NOTE:** All adhesives shall be compliant with South Coast Air Quality Management District (SCAQMD) requirements.

**2.5 SOLID-SURFACING-MATERIAL COUNTERTOPS**

- A. Grade: Premium.
- B. Solid-Surfacing-Material Thickness: 3/4 inch.
- C. Colors, Patterns, and Finishes: As preselected and indicated in Division 09 Section "Colors and Finishes."
- D. Fabricate tops in one piece, unless otherwise indicated. Comply with solid-surfacing-material manufacturer's written recommendations for adhesives, sealers, fabrication, and finishing.
  1. Fabricate tops with shop-applied edges of materials and configuration indicated.
  2. Fabricate tops with indicated backsplash.
- E. Install integral sink bowls in countertops in shop.
- F. Drill holes in countertops for plumbing fittings and soap dispensers in shop.



## **2.6 FABRICATION**

- A. General: Complete fabrication to maximum extent possible before shipment to Project site. Where necessary for fitting at site, provide allowance for scribing, trimming, and fitting.
- B. Provide Premium grade interior woodwork unless otherwise noted. Subject to LAWA approval.

**NOTE:** Any grade below premium has been determined not be suitable for the public areas and therefore will not be allowed. All counter heights shall be 34" AFFL to comply with ADA requirements.

## **2.7 SHOP FINISHING**

- A. Finish architectural woodwork at fabrication shop. Defer only final touchup, cleaning, and polishing until after installation.
- B. Finishing Materials: Products shall comply with the testing and product requirements of the California Department of Health Services "Standard Practice for the Testing Of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers."

## **PART 3 - EXECUTION**

### **3.1 INSTALLATION**

- A. Condition woodwork to average prevailing humidity conditions in installation areas and examine and complete work as required, including removal of packing and backpriming before installation.
- B. Quality Standard: Install woodwork to comply with AWI Standards.
- C. Install woodwork level, plumb, true, and straight to a tolerance of 1/8 inch in 96 inches. Shim as required with concealed shims.
- D. Anchor woodwork to anchors or blocking built in or directly attached to substrates. Secure with countersunk, concealed fasteners and blind nailing as required for complete installation. Use finishing screws for exposed fastening, countersunk and filled flush with woodwork and matching final finish if transparent finish is indicated.
- E. Standing and Running Trim: Install with minimum number of joints possible, using full-length pieces (from maximum length of lumber available) to greatest extent possible. Fill gaps, if any, between top of base and wall with plastic wood filler, sand smooth, and finish same as wood base, if finished.
- F. Cabinets: Install without distortion so doors and drawers fit openings properly and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation.



**Guide Specification**  
*Los Angeles World Airports*

1. Fasten wall cabinets through back, near top and bottom, at ends and not more than 16 inches o.c.
- G. Countertops: Anchor securely by screwing through corner blocks of base cabinets or other supports into underside of countertop. Calk space between backsplash and wall with sealant.
1. Countertops without base cabinets for support shall be designed to conceal structural supports from view and not violate ADA minimum knee clearances.

END OF SECTION 06 40 23