

**SECTION 064100**  
**ARCHITECTURAL WOOD CASEWORK**

**PART 1 GENERAL**

**1.01 SECTION INCLUDES**

- A Specially fabricated cabinet units.
- B Countertops.
- C Hardware.

**1.02 RELATED REQUIREMENTS**

- A Section 123600 - Countertops.

**1.03 REFERENCE STANDARDS**

- A ANSI A208.1 - American National Standard for Particleboard 2022.
- B ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications 2022.
- C AWI (QCP) - Quality Certification Program Current Edition.
- D AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition 2014, with Errata (2016).
- E AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards 2021, with Errata.
- F BHMA A156.9 - Cabinet Hardware 2020.
- G NEMA LD 3 - High-Pressure Decorative Laminates 2005.

**1.04 SUBMITTALS**

- A Shop Drawings: Indicate materials, component profiles, fastening methods, jointing details, and accessories.
  - 1. Provide information as required by AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS).
- B Product Data: Provide data for hardware accessories.
- C Samples: Submit actual sample items of proposed pulls, demonstrating hardware design, quality, and finish.
- D Certificate: Submit labels and certificates required by quality assurance and quality control programs.

**1.05 QUALITY ASSURANCE**

- A Fabricator Qualifications: Company specializing in fabricating the products specified in this section with minimum five years of documented experience.
  - 1. Accredited participant in the specified certification program prior to the commencement of fabrication and throughout the duration of the project.
- B Quality Certification:
  - 1. Comply with AWI (QCP) woodwork association quality certification service/program in accordance with requirements for work specified in this section: [www.awiqcp.org/#sle](http://www.awiqcp.org/#sle).
  - 2. Provide labels or certificates indicating that the installed work complies with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade or grades specified.
  - 3. Provide designated labels on shop drawings as required by certification program.

4. Provide designated labels on installed products as required by certification program.
5. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.
6. Replace, repair, or rework all work for which certification is refused.

#### **1.06 DELIVERY, STORAGE, AND HANDLING**

- A Protect units from moisture damage.

#### **1.07 FIELD CONDITIONS**

- A During and after installation of custom cabinets, maintain temperature and humidity conditions in building spaces at same levels planned for occupancy.

### **PART 2 PRODUCTS**

#### **2.01 CABINETS**

- A Quality Standard: Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
- B Plastic Laminate Faced Cabinets: Custom grade.

#### **2.02 PANEL CORE MATERIALS**

- A Particleboard: Composite panel composed of cellulosic particles, additives, and bonding system; comply with ANSI A208.1.
- B Medium Density Fiberboard (MDF): Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.

#### **2.03 LAMINATE MATERIALS**

- A Manufacturers:
  1. Formica Corporation: [www.formica.com/#sle](http://www.formica.com/#sle).
  2. Wilsonart LLC: [www.wilsonart.com/#sle](http://www.wilsonart.com/#sle).
  3. Or Approved Equal.
- B High Pressure Decorative Laminate (HPDL): NEMA LD 3, types as recommended for specific applications.
- C Provide specific types as follows:
  1. Horizontal Surfaces: HGS, 0.048 inch nominal thickness, through color, color as selected, finish as selected.
  2. Vertical Surfaces: VGS, 0.028 inch nominal thickness, through color, color as selected, finish as selected.
  3. Cabinet Liner: CLS, 0.020 inch nominal thickness, through color, color as selected, finish as selected.

#### **2.04 COUNTERTOPS**

- A Countertops: See Section 123600.

#### **2.05 ACCESSORIES**

- A Adhesive: Type recommended by fabricator to suit application.
- B Fasteners: Size and type to suit application.

## **2.06 HARDWARE**

- A Hardware: BHMA A156.9, types as recommended by fabricator for quality grade specified.
- B Adjustable Shelf Supports: Standard side-mounted system using recessed metal shelf standards or multiple holes for pin supports and coordinated self rests, polished chrome finish, for nominal 1 inch spacing adjustments.
- C Drawer and Door Pulls: "U" shaped wire pull, aluminum with satin finish, 6 inch centers.
- D Drawer Slides:
  - 1. Type: Extension types as indicated.
  - 2. Static Load Capacity: Commercial grade.
  - 3. Mounting: Side mounted.
  - 4. Stops: Integral type.
- E Hinges: European style concealed self-closing type, steel with satin finish.

## **2.07 FABRICATION**

- A Assembly: Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
- B Edging: Fit shelves, doors, and exposed edges with specified edging. Do not use more than one piece for any single length.
- C Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting. Provide matching trim for scribing and site cutting.
- D Plastic Laminate: Apply plastic laminate finish in full uninterrupted sheets consistent with manufactured sizes. Fit corners and joints hairline; secure with concealed fasteners. Slightly bevel arises. Locate counter butt joints minimum 2 feet from sink cut-outs.
- E Provide cutouts for plumbing fixtures. Verify locations of cutouts from on-site dimensions. Prime paint cut edges.

## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

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

### **3.02 INSTALLATION**

- A Install work in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS) requirements for grade indicated.
- B Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
- C Use fixture attachments in concealed locations for wall mounted components.
- D Use concealed joint fasteners to align and secure adjoining cabinet units.
- E Carefully scribe casework abutting other components, with maximum gaps of 1/32 inch. Do not use additional overlay trim for this purpose.

### **3.03 ADJUSTING**

- A Adjust installed work.
- B Adjust moving or operating parts to function smoothly and correctly.

### **3.04 CLEANING**

- A Clean casework, counters, shelves, hardware, fittings, and fixtures.

**END OF SECTION**