1. Section 064100   
   Architectural Wood Casework
   1. PART 1  GENERAL
      1. SECTION INCLUDES
         1. Specially fabricated cabinet units.
         2. Hardware.
      2. RELATED REQUIREMENTS
         1. Section 123600 - Countertops.
      3. REFERENCE STANDARDS
         1. ANSI A208.2 - Medium Density Fiberboard (MDF) for Interior Applications; 2022.
         2. AWI/AWMAC/WI (AWS) - Architectural Woodwork Standards, 2nd Edition; 2014, with Errata (2016).
         3. AWMAC/WI (NAAWS) - North American Architectural Woodwork Standards; 2021, with Errata.
         4. BHMA A156.9 - Cabinet Hardware; 2020.
         5. NEMA LD 3 - High-Pressure Decorative Laminates; 2005.
      4. SUBMITTALS
         1. See Section 013000 - Administrative Requirements for submittal procedures.
         2. Shop Drawings:  Indicate materials, component profiles, fastening methods, jointing details, and accessories.
      5. QUALITY ASSURANCE
         1. Quality Certification:
            1. 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.
            2. Provide designated labels on shop drawings as required by certification program.
            3. Provide designated labels on installed products as required by certification program.
            4. Submit certifications upon completion of installation that verifies this work is in compliance with specified requirements.
            5. Replace, repair, or rework all work for which certification is refused.
   2. PART 2  PRODUCTS
      1. CABINETS
         1. Quality Standard:  Custom Grade, in accordance with AWI/AWMAC/WI (AWS) or AWMAC/WI (NAAWS), unless noted otherwise.
         2. Plastic Laminate Faced Cabinets:  Custom grade.
      2. WOOD-BASED COMPONENTS
         1. Wood fabricated from old growth timber is not permitted.
      3. Panel Core Materials
         1. Medium Density Fiberboard (MDF):  Composite panel composed of cellulosic fibers, additives, and bonding system; cured under heat and pressure; comply with ANSI A208.2.
      4. LAMINATE MATERIALS
         1. Manufacturers:
            1. Formica Corporation​​:  www.formica.com/#sle.
            2. Wilsonart LLC​​:  www.wilsonart.com/#sle.
         2. High Pressure Decorative Laminate (HPDL):  NEMA LD 3, types as recommended for specific applications.
         3. Provide specific types as indicated.
            1. Vertical Surfaces:  VGS, ​​0.028 inch​​ nominal thickness​​​​​​, color selected by Owner​​​​​​.
      5. COUNTERTOPS
         1. Countertops:  See Section 123600.
      6. ACCESSORIES
         1. Adhesive:  ​Type recommended by fabricator to suit application​.
            1. Manufacturers:

Franklin International, Inc; Titebond Original Wood Glue:  www.titebond.com/#sle.

* + - 1. Plastic Edge Banding:  Extruded PVC, convex shaped; smooth finish; self locking serrated tongue; of width to match component thickness.
         1. Use at all exposed plywood edges.
         2. Use at all exposed shelf edges.
      2. Bolts, Nuts, Washers, Lags, Pins, and Screws:  Of size and type to suit application; ​chrome-plated​ finish in concealed locations and ​stainless steel or chrome-plated​ finish in exposed locations.
    1. HARDWARE
       1. Cabinet Hardware:  Comply with BHMA A156.9 for hardware types and grades indicated below:
          1. Hardware Types:  ​Hinges​.
          2. Product Grade:  ​Grade 1​.
       2. Metal Z-Shaped Wall Cabinet Support Clips:  Paired, cleated, structural anchorage components applied to back of cabinets and walls for wall cabinet mounting.
       3. 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.
       4. Countertop Brackets; L-shaped, top of knee wall mounting.
          1. Materials:  Steel plates.
          2. Finish:  Manufacturer's standard, factory-applied, powder coat.
          3. Color:  Black.
       5. Drawer and Door Pulls:  "U" shaped wire pull, steel with chrome finish, 4 inch centers.
       6. Mechanical Fasteners:
          1. Manufacturers:

Titus Cabinet Hardware; Cabinet Connectors:  www.titusplus.com/us/en/#sle.

* + - 1. Drawer Slides:
         1. Type:  ​Manufacturer's recommended extension for application​.
         2. Static Load Capacity:  Commercial grade.
         3. Mounting:  Side mounted.
         4. Manufacturers:

Accuride International, Inc; Heavy-Duty Drawer Slides:  www.accuride.com/#sle.

Blum, Inc; MOVENTO:  www.blum.com/#sle.

Blum, Inc; TANDEM:  www.blum.com/#sle.

Knape & Vogt Manufacturing Company; Heavy-Duty Drawer Slides:  www.knapeandvogt.com/#sle.

* + - 1. Soft-Close, Door and Drawer Adjustable Dampers:
         1. Manufacturers:

Titus Cabinet Hardware; Slidix:  www.titusplus.com/us/en/#sle.

Titus Cabinet Hardware; Titusoft Dampers for Drawers:  www.titusplus.com/us/en/#sle.

* + - 1. Hinges:  ​European style concealed​ ​​ type,​​ ​steel with nickel-plated finish​.
         1. Manufacturers:

Blum, Inc; CLIP top BLUMOTION:  www.blum.com/#sle.

Blum, Inc; COMPACT BLUMOTION:  www.blum.com/#sle.

Blum, Inc; COMPACT CLIP 30C2:  www.blum.com/#sle.

Blum, Inc; COMPACT CLIP 31C3:  www.blum.com/#sle.

Titus Cabinet Hardware; S-Type Concealed Hinge:  www.titusplus.com/us/en/#sle.

Titus Cabinet Hardware; T-Type Concealed Hinge:  www.titusplus.com/us/en/#sle.

* + 1. FABRICATION
       1. Assembly:  Shop assemble cabinets for delivery to site in units easily handled and to permit passage through building openings.
       2. Edging:  Fit shelves, doors, and exposed edges with specified edging.  Do not use more than one piece for any single length.
       3. Fitting: When necessary to cut and fit on site, provide materials with ample allowance for cutting.  Provide matching trim for scribing and site cutting.
       4. 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.
       5. Mechanically fasten back splash to countertops as recommended by laminate manufacturer at 16 inches on center.
       6. Provide cutouts for plumbing fixtures.  Verify locations of cutouts from on-site dimensions.  Prime paint cut edges.
  1. PART 3  EXECUTION
     1. INSTALLATION
        1. Set and secure custom cabinets in place, assuring that they are rigid, plumb, and level.
        2. Use concealed joint fasteners to align and secure adjoining cabinet units.
     2. ADJUSTING
        1. Adjust installed work.
     3. CLEANING
        1. Clean casework, counters, shelves, hardware, fittings, and fixtures.

1. END OF SECTION

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