Section 12511

Part 1: General

1.1 Section Includes
   A. Modular base cabinets
   B. Modular wall-hanging cabinets
   C. Modular storage cabinets, lockers, and media cabinets
   D. Worksurfaces, backsplashes/sidesplashes, and support

1.2 Related Sections
   A. Section 06100 - Rough Carpentry: Framing and blocking in walls, floors and ceiling to support casework
   B. Section 06200 - Finish Carpentry: Finish trim associated with countertops and work surfaces
   C. Section 07900 - Joint Sealers
   D. Section 09650 - Resilient Flooring: Cove base for casework
   E. Section 15050 - Basic Mechanical Materials and Methods: Connections for drain lines, service piping, vents, re-vents in-line vacuum breakers, special plumbing fixtures, traps and tailpieces to service fixtures
   F. Section 16050 - Basic Electrical Materials and Methods: Connections for electrical service lines, wire and conduit to service fixtures

1.3 References
   A. HPL - High-Pressure Laminates
   B. CSL - Customer Specified Laminate (HPL)
   C. TFL - Thermally Fused Laminates
   D. ANSI - American National Standards Institute
   E. BIFMA - Business Institutional Furniture Manufacturers Association
   F. SCS - Scientific Certification Systems
   G. LEED - Leadership in Energy and Environmental Design
   H. WELL - WELL Building Standard as outlined by the International WELL Building Institute (IWBI)

1.4 Submittals
   A. Submit under provisions of Section 01300
   B. Product Data: Manufacturer’s Catalog, Spec Guide and Installation Guide
   C. Shop Drawings: Complete, detailed layout with model numbers and complete dimensioning information for installation
   D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer’s full range of available colors and patterns
   E. Verification Samples: If Requested - For each product specified
   F. Manufacturer’s Certificates: Certify products meet or exceed specified requirements

1.5 Quality Assurance
   A. Manufacturer Qualifications:
      1. Company specializing in manufacturing products since 1970
      2. ANSI/BIFMA - X5.9 – 2012 Storage Products Test Standard
      3. ANSI/BIFMA – X5.5 – 2014 Desk/Table Products Test Standard
      4. Scientific Certification Systems (SCS) Indoor Air Advantage GOLD Certified and BIFMA Level 3 certified
      5. Pre-Consumer recycling content: 58%
      6. Post-Consumer recycling content: 2.2%
      7. Qualifies for LEED & WELL Credits
   B. Installer Qualifications: Company specializing in performing work of this section with minimum five years documented experience
1.6 Delivery, Storage, and Handling
A. Do not deliver equipment until spaces where it is to be installed are complete and cleaned
B. Inspect products upon arrival for damaged or missing items:
   1. Before signing for the merchandise, make notation of all visible damage, shortages and/or time of truck arrival on the bill of lading.
   2. Contact Kimball Health Customer Service within 15 calendar days of delivery receipt to report issue. We will advise whether a freight claim will need to be filed based on mode of transportation.
C. Store products in manufacturer’s unopened packaging in a climate-controlled building until ready for installation

1.7 Project Conditions
A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside the manufacturer’s absolute limits

1.8 Warranty
A. Manufacturer’s limited lifetime warranty as stated in Manufacturer’s Catalog

Part 2: Products

2.1 Products
A. Acceptable Manufacturer: Kimball Health, www.kimballhealth.com
B. Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01600

2.2 Materials
A. Particleboard: Industrial Grade:
   2. Density: Averages 45-lbs /cubic-feet
   3. Moisture Content: 6%
B. Edge Banding:
   1. Cabinet Chassis Vinyl banding is .5 mm thick
   2. Doors and Drawer Front Vinyl banding is 2mm thick
C. High Pressure Laminate (HPL): ISO 4586-3 as manufactured by Wilsonart, Pionite, Nevamar or Formica
D. Thermally Fused Laminate (TFL): ISO 4586-3 as manufactured by Wilsonart, Pionite, Nevamar or Formica
E. Solid Surfaces produced with acrylic resins, fire-retardant fillers and proprietary coloring agents that are homogeneous, with uniform color throughout the thickness: ASTM E 84: Class I or A

2.3 Cabinet Hardware
A. Pulls: Minimum of 6 options
   1. Door and drawer pulls are to be selected from standard pulls within manufacturer’s catalog
   2. Pull design should comply with the Americans with Disability Act Guidelines
B. Hinges: Minimum of 2 options
   1. Concealed hinge with 120° opening angle
   2. Pivot hinge, partially exposed 3-knuckle design, with 270° opening angle, 160-pound load capacity
   3. Hinges with a 90° opening or less are not acceptable
C. Drawer Slides:
   1. Progressive action slides with precision steel ball bearings, 100-pound load capacity
   2. Full extension slides provide full drawer access
   3. Interior drawer space weight load rating is .017 per cubic inch
D. Adjustable Floor Glides
   1. Nylon screw-in type with a minimum of 4 per cabinet
   2. Load capacity of 200 pounds per floor glide
2.4 Plumbing Accessories
A. Sink Options - Reference product specifications and drawings for applicable sink location.
   1. Option 1 - Integral bowl sink available on solid surface tops. Acrylic-modified polyester material in White Frost
   2. Option 2 - Undermount 18-gauge stainless steel sink with straight-sided bowl with 1 ½” self-rim, includes drain and flat removable strainer; for use with solid surface tops.
   3. Option 3 - Drop-in 18-gauge stainless steel sink with straight-sided bowl with 1 ½” self-rim, includes drain and flat removable strainer; for use with laminate or solid surface tops.
B. Faucets Options
   1. Option 1 - Paddle Handle, two-handle centered lavatory faucet with gooseneck spout; polished chrome
   2. Option 2 - Touchless Sensor, with gooseneck spout; battery operated and includes CR-P2 lithium battery with a life of 192,000-cycles (4 years @ 4,000 cycles per month); polished chrome
C. Plumbing accessories must be installed by certified plumbers; reference mechanical drawings for installation.

2.5 Fabrication
A. Cabinet Body Construction:
   1. Mechanical wood attachment fasteners with dowels and glue; no exposed fasteners
   2. End panels are bored to accept all related hardware
   3. Adjustable shelves are attached to shelf supports
   4. All cabinets to be placed on floor have a recessed 4” high toe kick with adjustable floor glides
B. Worksurface and Splash Construction
   1. HPL surfaces are 1 3/16” thick with 3-ply balanced panel construction which includes 45-pound medium density particle board with a softened 3mm vinyl finished front edge and .5mm vinyl self-edge on ends; optional 3mm vinyl edge available for ends.
   2. Surface consists of a minimum of 0.028”- 0.032” +/- 0.004” thick top face and a .026 phenolic backer
   3. HPL surfaces are adhered to the core material with a hot press glue process using environmentally friendly, water-based PVA Glue. There are virtually no VOCs using this process.
   4. Laminate backsplash and sidesplash are HPL splashes are 4” tall, 3/4” thick balanced panel construction with matching .5mm vinyl self-edge
   5. Customer Specified Laminate (CSL) available as an option on HPL tops
   6. Solid surface tops are 1” thick with finished front edge and consist of a solid surface top with a moisture resistant MDF core. Optional finished or unfinished end edges.
   7. Solid Surface tops with Integrated back splashes are 4” tall, ¾” thick
   8. Solid surface side splashes are 4” tall, ¾” thick solid surface material
Part 3: Execution

3.1 Examination
   A. Do not begin installation until spaces to receive furniture have been completed and cleaned

3.2 Preparation
   A. Clean surfaces thoroughly prior to installation
   B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the surface substrate under the project conditions

3.3 Installation
   A. Install in accordance with manufacturer’s instructions
   B. Install furniture and accessories as indicated on drawings, level and plumb, with separate units securely anchored
   C. Adjust floor glides to height required
   D. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly
   E. Clean caseworks storage, surfaces, shelves, hardware, fittings, and fixtures

3.4 Protection
   A. Protect installed products until completion of project
   B. Do not permit finished caseworks to be exposed to continued construction activity

End of Section