

## **Part 1: General**

### **1.1 Section Includes**

- A. Modular base cabinets
- B. Modular wall cabinets
- C. Modular storage cabinets
- D. Countertops and backsplashes

### **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. TFL - Thermally Fused Laminates

### **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: Company specializing in manufacturing products specified in this section with minimum ten years documented experience
- 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
- 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: Carolina Web: [www.carolina.ofs.com](http://www.carolina.ofs.com)
- B. Substitutions: Requests for substitutions will be considered in accordance with provisions of Section 01600

### 2.2 Materials

- A. Particleboard: Industrial Grade:
  - 1. Composition: ANSI-A208.1-1999, M-3
  - 2. Fire Rating: ASTM E84; Class C
  - 3. Density: Multi-Density averaging 45-lbs / cu ftMoisture Content: 6%
- B. Edge Banding:
  - 1. PVC 1 mm thickness: Used on all cabinet body parts
  - 2. PVC 2 mm thickness: Used on all drawer, false drawer and door fronts
- C. High Pressure Laminate (HPL): NEMA LD 3 as manufactured by WilsonArt, Pionite, Nevamar or Formica
- D. Thermally Fused Laminate (TFL): NEMA LD 3 as manufactured by WilsonArt, Pionite, Nevamar or Formica
- E. Acrylic Solid Surfacing: ASTM E 84: Class I or A

### 2.3 Cabinet Hardware

- A. Pulls: Minimum of 4 styles
  - 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 4 styles
  - 1. European style with a minimum 120O opening angle
  - 2. European style 3 knuckle with 270O opening angle
  - 3. Fixed in 5 knuckle with 270O opening angle
  - 4. Stay lift system with a minimum 107O opening angle and soft close feature
  - 5. Hinges with a 90O opening or less are not acceptable
- C. Drawer Slides:
  - 1. 100 pound capacity steel ball bearing
  - 2. Full extension lever release
- D. Furniture Leveler
  - 1. Nylon screw-in type, at least 4 per cabinet
  - 2. Load capacity of 200 pounds per leveler
  - 3. Adjustment from 1/2" to 1 1/2" in height
  - 4. Adjustment is made with 1/2" box end wrench
- E. Locks: Minimum of 2 types
  - 1. Removable lock core system available in nickel and black with 2 keys per core
  - 2. Electronic keyless combination
- F. Shelf Supports
  - 1. Powder coated steel for 5 mm diameter holes with screw to lock shelf in place
  - 2. Adjustable 32 mm increments
- G. Task Lights:
  - 1. LED and must be UL approved
  - 2. Daisy chain capable
- H. Wardrobe Options: Minimum of 3
  - 1. Oval chrome plated hanger rod with captive sockets
  - 2. Steel wardrobe rail with at least 20 pound load capacity
  - 3. Powder coated hooks

## **Part 2: Products cont.**

### **2.4 Fabrication**

- A. Cabinet Body Construction:
  - 1. All fixed members of the cabinets are glued and doweled together
  - 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 an integrated 4" high toe kick with adjustable furniture levelers
- B. Work Surface and Splash Construction
  - 1. HPL tops are 1" thick balanced panel construction with optional PVC or Self Edge banding
  - 2. HPL splashes are 4" tall, 3/4" thick balanced panel construction with matching PVC or Self Edge branding
  - 3. Solid surface tops are 1" thick built up construction with a finished front edge and optional finished or seamable end edges
  - 4. Solid surface back splashes are 4: tall, 1/2" thick and integrated into the Solid Surface top
  - 5. Solid surface side splashes are 4" tall, 1/2" 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 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 legs to height required
- D. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly
- E. Clean casework, counters, shelves, legs, hardware, fittings, and fixtures

### **3.4 Protection**

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