

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 supports

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
- C. ANSI - American National Standards Institute
- D. BIFMA - Business Institutional Furniture Manufacturers Association
- E. SCS - Scientific Certification Systems
- F. LEED - Leadership in Energy and Environmental Design
- G. 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 the late 1970's
 - 2. ANSI/BIFMA - X.5.9 - 2019 Storage Products Test Standard
 - 3. Scientific Certification Systems (SCS) Indoor Air Advantage GOLD Certified and BIFMA Level 2 Certified
 - 4. Pre-Consumer recycling content 81%
 - 5. Post-Consumer recycling content 1%
 - 6. Qualifies for LEED and WELL credits
- B. Installer qualifications: Company specializing in performing work of this section with minimum five years documented experience

1.6 Delivery, storage & 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 a notation of all visible damage, shortages, and/or time of truck arrival on the bill of lading.
 - 2. Contact Carolina customer service within 15 calendar days of delivery and receipt to report issue.

1.6 Delivery, Storage & Handling *(cont.)*

- 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 life time warranty as stated in Manufacturer's catalog

PART 2: PRODUCTS

2.1 Products

- A. Acceptable manufacturer: 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: Averages 45 lbs./cubic ft
 - 4. Moisture content: 6%
- B. Edge banding
 - 1. PP (polypropylene) 2 mm thickness - cabinetry body parts
 - 2. PP (polypropylene) 2 mm thickness - 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 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 7 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
 - 1. Concealed, 110° opening, soft-close feature
- C. Drawer slides
 - 1. 100 lb. capacity steel ball bearing
 - 2. Full extension lever release
 - 3. Soft-close feature
- D. Adjustable floor glides
 - 1. Nylon screw-in type with a minimum of 4 per cabinet
 - 2. Load capacity of 200 lbs. per floor glide
 - 3. Adjustment up to 1" in height
 - 4. Adjust glides manually or with an adjustable wrench.
- E. Locks: Minimum of 4 options
 - 1. Non-locking is standard.
 - 2. Removable lock core system available in black and nickel, with 2 keys per core; can be keyed specific.
 - 3. Electronic keyless combination
 - 4. Mechanical combination
 - 5. Padlock hasp

2.3 Cabinet hardware

- 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 bulbs
 - 2. Must be UL approved
 - 3. Daisy chain capable
 - 4. 10' power cord
- H. Wardrobe options:
 - 1. Powder coated hooks - minimum of 50 lb. load capacity per hook
 - 2. Shelves - fixed or adjustable
 - 3. Steel hanging bar - minimum 50 lb. load capacity per bar
 - 4. Glove access - small, medium, and large metal grommets

2.4 Plumbing accessories

- A. Sink options
 - 1. Integrated solid surface - integrated bowl with front overflow; acrylic-polyester in glacier white; use with solid surface worksurfaces.
 - 2. Undermount - 18 gauge stainless steel with overflow; 2" radius corners; use with solid surface worksurfaces.
 - 3. Drop-in - 18 gauge stainless steel with overflow; no faucet ledge; use with laminate and solid surface worksurfaces.
- B. Faucet options
 - 1. Paddle handle - 3.5" rigid/swing gooseneck spout; 4" fixed centers; 4" wrist blade handles; polished chrome
 - 2. Touchless Sensor - gooseneck spout; battery operated (4 AA-size batteries); 8,000 cycles/month; polished chrome
- C. Plumbing accessories must be installed by a certified plumber and drain hardware is not included.

2.5 Fabrication

- A. Cabinet body construction
 - 1. Case - 0.75" 3-ply (45 lb. substrate) with 2 mm banding case parts; dowel construction with glue method; cam lock construction is secondary; structural joints are secured by 16 gauge steel angle brackets.
 - 2. Drawer - 5 piece method; 0.75" 3-ply (45 lb. substrate) laminate panel with 2 mm banding fronts; white vinyl drawers use miter and dowel with glue construction.
 - 3. Door - 0.75" 3-ply (45 lb. substrate) with 2 mm banding
 - 4. End panels are bored to accept all related hardware.
 - 5. Adjustable shelves are attached to shelf supports.
 - 6. All cabinets placed on the floor have an integrated 4" or 6"h high toe kick with adjustable floor glides.
- B. Work surface and splash construction
 - 1. HPL tops are 1" thick with 3-ply balanced panel construction that includes a 45 lb. substrate and 2mm PP squared edge banding on all sides.
 - 2. Surface consists of a 0.044" thick top face and a 0.31" phenolic backer.
 - 3. HPL surfaces are adhered to the core material with a hot press glue process using environmentally, water-based PVA glue; minimal VOCs.
 - 4. HPL splash is 4" tall, 0.75" thick, balanced panel construction with matching 2mm PP squared edge banding on all sides.
 - 5. Solid surface tops are 1" thick built-up construction with an eased front edge and optional finished or seamable ends/edges.
 - 6. Solid surface backsplash is 4" tall, 0.5" thick, and integrated into the solid surface top.
 - 7. Solid surface sidesplash is 4" tall, 0.5" thick solid surface material.

PART 2: 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 floor glides to height required.
- D. Adjust doors, drawers, hardware, fixtures, and other moving or operating parts to function smoothly.
- E. Clean cabinetry, worksurfaces, shelves, supports, 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.

End section