

**SECTION 125900 SYSTEMS FURNITURE**

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. Systems furniture.

1.3 RELATED SECTIONS

- A. Section 260500 - Common Work Results for Electrical.

1.4 SUBMITTALS

- A. Submit under provisions of Section 013000 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Installation methods.
- C. Shop Drawings: Submit shop drawings indicating material characteristics, details of construction, connections, and relationship with adjacent construction.
  - 1. Submit dimensioned drawings for required wall blocking
  - 2. Submit dimensioned drawings showing open locations for power/data in offices
  - 3. Submit dimensioned drawings with suggested locations for cores in open areas and conference rooms.
  - 4. Submit elevations for wall mounted components, including but not limited to markerboards, tackboards, and wall hung storage.
- D. Verification Samples: For each finish product specified, two samples, representing actual product and finish.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 2-year experience installing similar products. Qualification of Installers: Use only personnel who are thoroughly familiar, skilled and specially trained in the techniques of office furniture installation, and who are completely familiar with the published recommendations of the manufacturers.
- B. Shelves do not deflect more than 1/360 of the total length when subjected to a static load of 3-1/2 lbs./linear inch, evenly distributed, for over an hour duration. Shelf does not fail a proof load of 5 lbs./linear inch, evenly distributed, over a 15 minute duration.

- C. Laminated wood tops feature high-pressure laminate which meets or exceeds NEMA LD3-2005 High-Pressure Decorative Laminate standards.
  - D. Particleboard meets requirements as defined by ANSI A208.1 and ASTM D 1037.
  - E. Product meets the UL 1286 Standard of Office Furnishing.
  - F. Product meets the UL 723 Standard for Surface Burning Characteristics of Building Materials as defined by ASTM E84 and NFPA 255.
  - G. Worksurface and Table primary surfaces meet or exceed the ANSI/BIFMA X5.5 Desk/Table Product Tests
  - H. Product meets or exceeds the ANSI/BIFMA X5.9 Storage Products Tests to ensure quality and long life.
  - I. Panels meet or exceed the ANSI/BIFMA X5.6 Panel System tests. This test standard specifies acceptance levels to help ensure reasonable safety and performance.
  - J. Electrical components meets or exceeds UL 183 Manufactured Wiring Systems tests
  - K. Panels are designed for installation in compliance with the National Electric Code (NFPA 70 - 2011).
  - L. Standard panel fabrics meet or exceed UL 723 Surface Burning Characteristic of Building Materials tests.
  - M. Standard panel fabrics meet or exceed UL 1286 Standard for Safety of Office Furnishings tests. This standard utilizes the ASTM E 84 Tunnel Test method to simulate a sprinklered occupancy, as opposed to the alternative NFPA 265 Room Corner Test method.
  - N. Panels meet the following minimum acoustic ratings per ASTM C423-02a and E795-00 (NRC) and ASTM C413-02a and E90-02 (STC)
  - O. Panels meet or exceed ASTM E72: Strength Test of Panels for Building Construction, Section 12, Transverse Load
  - P. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
    - 1. Finish areas designated by Architect.
    - 2. Do not proceed with remaining work until workmanship is approved by Architect.
    - 3. Refinish mock-up area as required to produce acceptable work.
- 1.6 PRE-INSTALLATION MEETINGS
- A. Convene minimum two weeks prior to starting work of this section.
- 1.7 DELIVERY, STORAGE, AND HANDLING
- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.

- B. Handling: Handle materials to avoid damage.

#### 1.8 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 manufacturer's recommended limits.

#### 1.9 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

#### 1.10 GUARANTEE

- A. Lifetime warranty that product is free from defects in materials and workmanship (includes shipping, parts and labor for the repair or replacement of defective item.).
- B. Guarantee shall be in a form acceptable to the Owner and executed by an authorized individual.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Basis of Design: Steelcase
- B. Substitutions: Not permitted without written approval of the County.
- C. Requests for substitutions will be considered in accordance with provisions of Section 016000 - Product Requirements.
- D. All Furniture Components (including but not limited to seating, desks, file cabinets, workstation, worksurfaces, etc) shall be as described in Bridging Documents Furniture Specifications Details document dated 01-08-2021.

#### 2.2 ITEM

- A. Systems Furniture:
  - 1. Components including, but not limited to:
    - a. Desks.
    - b. Tables.
    - c. Shelving.
    - d. Storage.
    - e. Movable units.
    - f. Tack surfaces.
    - g. Raceways.
    - h. Power and data outlets.
- B. Worksurfaces to be laminate, unless specifically requested for executive areas.
- C. All office desk configurations are to have either a partial or full height modesty panel in the front, if facing the door, window or glass storefront.

- D. Avoid using modesty panels against walls for power/data access.
- E. Worksurfaces to have appropriate grommet holes and wire management to access power/data locations.
- F. Office furniture should always be coordinated with the design/build gc to address switched power locations.
- G. Standard office components include overhead/hutch, undersurface pedestal, undersurface lateral file, tack board, led task lighting under hutch, (1) task chair, guest chairs, height- adjustable desks, whiteboards, keyboard trays, monitor arms, meeting tables, bookcases, storage cabinets, wardrobes as noted in furniture specification sheets.
- H. For writing surface standards, please reference
- I. Lockable storage to be keyed alike by office.
- J. If a reception desk has a standing height transaction top, there must also be a portion of the desk that is 36" w minimum x 36" h maximum for ADA accessibility. Approach to the ADA portion of the desk must also comply with most current ADA standards for accessible design.
- K. See furniture specification documents for each typical's requirements.
- L. All office furniture to be coordinated with window locations. Furniture should not block windows where possible.
- M. Avoid using modesty panels against walls for power/data access

### **PART 3 - EXECUTION**

#### **3.1 INSPECTION**

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

#### **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 and in proper relationship with adjacent construction. Test for proper operation and adjust until satisfactory results are obtained.

#### **3.4 PROTECTION**

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION 125900