

## SECTION 10850 - BUILDING SPECIALTIES

### PART 1 - GENERAL

#### 1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### 1.02 SUMMARY

- A. This Section includes the following:
  - 1. Knox box.
  - 2. Magazine racks.
  - 3. Employee metal lockers.
  - 4. Corner Gaurds
  - 5. Cubicle Curtain Tracks

#### 1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01330.
- B. Product Data: Include construction details, material descriptions, dimensions of individual components and profiles, finishes, and method of attachment for each product indicated.
- C. Shop Drawings: Show fabrication and installation details not included in product data for each product specified. Shop Drawings shall indicate materials, gauges, dimensions and method of attachment.
- D. Samples: For each product involving a color selection, submit the manufacturer's color charts showing the full range of colors available.
- E. Maintenance Data: For all items to include in Operating and Maintenance Manuals specified in Division 1 Section "Operation and Maintenance Data."

#### 1.04 WORKMANSHIP

- A. Materials, devices, equipment and apparatus of a patented or of a special nature of manufacture shall be prepared, applied, or installed in strict accordance with the manufacturer's directions.
- B. Work of this Section shall be executed in strict accordance with Drawings, approved Shop Drawings and approved samples.
- C. Insofar as possible, fitting, construction and fabrication of the work shall be executed at shops, ready for delivery and erection at buildings.
- D. Provide all holes, connections, and fastenings for and to work of other trades abutting, adjoining, or intersecting work of this Section.
- E. All items, which do not have a special finish or are not otherwise specified, shall receive one shop coat of metal primer before leaving shop.

## PART 2 - PRODUCTS

### 2.01 KNOX BOX

- A. Key Protection Box: Flush mount, finish to be selected by Architect. Coordinate order placement with City of Westbrook Fire Department authorization. Coordinate mounting height and location in field with Architect.
  - 1. Product: Knox Company; Knox Box, Series 4400.
- B. Magazine Racks: Wall mounted, 18 gage steel racks with a wood veneered back panel and a perforated front panel; nominal pocket depth of 1-1/2 inches; back of rack open to wall. Provide products by Peter Pepper Products, Inc. as follows:
  - 1. Back Panel Veneer: Maple.
  - 2. Perforation Type: Round holes.
  - 3. Front Panel Finish: Aluminum Metallic.
  - 4. Products:
    - a. 4 Pocket Unit: Model 4004 MA.
    - b. Single Pocket Unit: Model 4001 MA.

### 2.02 EMPLOYEE LOCKERS

- A. Metal Lockers: Provide two-tier lockers, 12" W x 12" D x 72" H, fabricated of cold-rolled steel sheet complying with ASTM A 366, and meeting the following requirements:
  - 1. Body: Form backs, tops, bottoms, sides, and intermediate partitions from **0.024 inch** thick steel sheet, flanged for double thickness at back vertical corner. Bottoms shall be galvanized sheet steel. Exposed ends shall formed from **0.0598 inch** thick steel sheet.
  - 2. Frames: Form channel frames from minimum **0.0598 inch** thick steel sheet; lapped and welded at corners. Form continuous integral door strike on vertical frame members. Form latch hooks from minimum **0.1046 inch** thick steel, welded to door frames. Provide resilient bumpers to cushion door closing.
  - 3. Doors: One-piece **0.0598 inch** thick steel sheet, formed into channel shape at vertical edges and flanged at right angles at top and bottom edges; stamped louver vents in door face. Fabricate to prevent springing when opening or closing, and to swing 180 degrees.
  - 4. Fabricate lockers for quiet operation with manufacturer's standard rattle-free latching mechanism and moving components isolated to prevent metal-to-metal contact.
  - 5. Hardware: Manufacturer's standard 5 knuckle hinge welded to inside of door frame; recessed handle and pry-resistant latch with integral door pull for Owner provided combination locks; one double-prong ceiling hook and two single-prong wall hooks per locker.
  - 6. Accessories: Manufacturer's standard continuous base, and finished locker end panels fabricated from minimum **0.047 inch** thick steel sheet, filler plates, and number plates.
  - 7. Finish: Manufacturer's standard baked-enamel; color selected by Architect from manufacturer's standard range of colors.

### 2.03 FABRICATION

- A. General: Materials shall be free from defects impairing strength, durability or appearance.
- B. Sections and shapes shall be rolled, formed, drawn or extruded as required for respective functions.

- C. Molded work shall have sharply defined profile and shall be clean and straight. Plain work shall be leveled, straight and surfaces true and smooth. Edges, angles, and corners shall be square, clean and sharp, unless otherwise detailed.
- D. Fastenings, exposed metal fastenings, and accessories, unless Underwriters' prohibit for safety, shall be of same materials, texture, color and finish as the base metal to which applied.
- E. Molds, trim, frames and other metalwork shall be proper dimensions to receive masonry block and tile, plaster, ceramic tile, etc.

#### 2.04 CORNER GAURDS

- A. Corner Gaurds, CG-1: Surface mounted, resilient corner guard assembly consisting of a snap on resilient cover installed over a preslotted, continuous aluminum retainer, including mounting hardware; fabricated with a 90-degree turn to match wall condition.
  - 1. Product: 150 High Impact Bullnose Corner Guard; IPC Door and Wall Protection Systems.
  - 2. Cover: 0.080 inch thick scratch and stain resistant rigid vinyl cover.
  - 3. Size and Profile: 3- by 3-inch bullnose.
  - 4. Height: full height.
  - 5. Color: As selected by Architect.
  - 6. Retainer: Minimum 0.060 inch thick, 1-piece, extruded aluminum.
  - 7. Top and Bottom Caps: Prefabricated, injection-molded vinyl; color matching cover, field adjustable for close alignment with snap-on cover.

#### 2.05 CUBICAL TRACKS AND CURTAINS

- A. Cubical Tracks: Ceiling mounted tracks, 16-gage extruded aluminum, anodized or painted finish. Carriers shall be a non-binding, abrasion-resistant nylon block supported from self-lubricating bearings by two nylon wheels.
  - 1. Products:
    - a. Imperial Fastener co., Inc.; Model No. FC-98.
    - b. Salsbury Industries;

### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installers present, for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

#### 3.02 INSTALLATION

- A. All items specified under this Section shall be installed in strict accordance with manufacturer's recommendations and approved Shop Drawings.

3.03 CLEANING AND PROTECTION

- A. Clean building specialties in accordance with manufacturer's instructions. Touch up factory-applied finishes to restore damaged or soiled areas.
- B. Provide final protection and maintain conditions that ensure building specialties are without damage or deterioration at the time of Substantial Completion.

END OF SECTION 10850