

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. Metal column covers.
 - 2. Entrance mats.
 - 3. Clearance bar.
 - 4. Knox box.
 - 5. Installation of Owner furnished projection screens.
- B. Related Sections include the following:
 - 1. Division 6 Section "Rough Carpentry" for concealed blocking required to install building specialties.
 - 2. Division 7 Section "Joint Sealants" for backer rods and sealants.

1.03 SUBMITTALS

- A. General: Submit in accordance with Section 01300.
- 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 and patterns available.
- E. Maintenance Data: For all items to include in Operating and Maintenance Manuals specified in Division 1 Section "Contract Closeout."

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 MANUFACTURERS

- A. In other Part 2 articles where subparagraph titles below introduce lists, the following requirements apply for manufacturer and product selection:
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the manufacturers specified.

2.02 METAL COLUMN COVERS

- A. Metal Column Cover, Snap-Together Type: Form column covers to shapes indicated without any exposed fasteners; finish after fabrication. Return vertical edges and bend to form hook that will engage continuous mounting clips.
 - 1. Metal Type and Thickness: Aluminum sheet, Type 5005-H34 complying with ASTM B 209, not less than 0.090 inch thick.
 - a. Finish: Clear anodized.
 - 2. Form returns at vertical joints to provide 1/2-inch- (12-mm-) wide reveal at joints. Provide snap-in metal filler strips at reveals that leave reveals 1/2 inch (12 mm) deep. Fabricate column covers without horizontal joints.
 - 3. Column Cover Diameter: As indicated.
 - 4. Base Detail: Provide base reveal to dimensions indicated; match column cover.
 - 5. Ceiling Detail: Provide flush ceiling trim to match column cover.
 - 6. Sound-Deadening: Apply manufacturer's recommended sound-deadening material to backs of column covers.
 - 7. Manufacturers:
 - a. Fry Reglet Corporation.
 - b. MM Systems Corporation.

2.03 ENTRANCE MATS

- A. Rubber Mats: 1/2-inch- (13-mm-) thick mats; with beveled edges for surface applications and with solid sheet (no perforations) style, standard wide-wale corrugated top profile, and flat-base bottom surface.
 - 1. Color: As selected by Architect from manufacturer's full range.
 - 2. Mat Size: As indicated.
 - 3. Product: Endura Mat; Mats, Inc.

2.04 CLEARANCE BAR

- A. Clearance Bar: Signal-Tech 814-835-3000, Clearance I-Bar, 7 inch by 4 inch extruded aluminum, non-illuminated clearance bar. Paint finish with reflective vinyl lettering; CLEARANCE 8'-0". Verify clearance height before ordering.

2.05 KNOX BOX

- A. Key Protection Box: Flush mount, finish to be selected by Architect. Coordinate order placement with City of Portland Fire Department authorization. Coordinate mounting height and location in field with Architect.
 - 1. Product: Knox Company; Knox Box, Series 4400.

2.06 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.

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