

## PART 1 - GENERAL

### 1.1 RELATED DOCUMENTS

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

### 1.2 DESCRIPTION

- A. Provide U.L. listed surface and flush wireway duct system complete and fully operational with service fittings. Wireway duct will carry cables to be provided by the Owner or their Medical Equipment Supplier.

### 1.3 SHOP DRAWINGS

- A. Prepare and submit for review catalog cuts of the wireway duct, junction boxes, supports, and other accessories.

### 1.4 RECORD DRAWINGS

- A. Shall include as-installed floor plans showing exact location of all wireway ducts and junction boxes.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. Square D Class 5250 Wall Duct, Wiremold/Walker or approved.

### 2.2 COMPONENTS

- A. The system shall include all components necessary including all duct, junction boxes, fittings, supports, elbows, offsets, expansion joints, outlets, raceway, connections, cross-overs and any necessary accessories to form a complete installation.

### 2.3 SYSTEM

- A. Shall be steel enclosure and cover with grey enamel finish over phosphatized surfaces. The enclosure and covers shall completely enclose the wireway, no non-metallic parts shall be used. Duct system shall be located surface mounted and recessed in the wall where noted on the drawings.
- B. Covers shall be screw-on type and shall provide a continuously open tray when removed. Individual covers shall be provided at not more than three foot intervals.
- C. Elbows may be 90° type. All elbows concealed above the suspended ceiling or below the floor shall be sweep edgewise type with 45° bend or corner. Concealed 90° corners are not permitted.
- D. Dividers or partitions shall run the full length of all horizontal and vertical runs. Three partitions shall be provided for all duct widths.

## PART 3 - EXECUTION

### 3.1 LOCATION AND ARRANGEMENT

- A. Ducts shall be installed as indicated on the drawings. Junction boxes and duct lines shall be coordinated with architectural elevations.

### 3.2 WIREWAY DUCT

- A. Secure solidly to structure. Maintain working clearance in front of wireway covers.
- B. Protection: Wireway, boxes, dividers, and covers shall be protected from damage, and distortion at all times. Exposed wireway, boxes, dividers, or covers that become marred during installation shall be refinished equal to the original. Unused duct or conduit entrances to junction boxes shall be closed with blank closure plates or plugs.
- C. Raceway Connections: Raceway shall not be run above or below the duct covers. Raceway shall enter junction boxes at corner, or at end duct openings through duct adapters.

### 3.3 ROUTING

- A. The drawings indicate a schematic layout of the wireway. Prior to placement of the material order, the Contractor shall field verify all routing and provide necessary offsets, bends, and accessories to avoid structural and architectural elements.

### 3.4 DIVIDERS

- A. All dividers or partitions shall be field installed with the separations as directed by the Owner or their Medical Equipment Provider.

### 3.5 BONDING

- A. Wireways shall be bonded in accordance with code. Refer to Section 26 05 26.

### 3.6 FIELD OBSERVATION

- A. Upon completion of the wireway duct system, and before ducts are covered, verify all ducts, boxes, etc., to be in place. Entire system must be free of obstructions and moisture before wall finish is applied and before wiring is installed.

**END OF SECTION**