

## SECTION 10 22 13

### WIRE MESH PARTITIONS

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. Wire mesh partitions and ceiling.
- B. Doors.

##### 1.02 MEASUREMENT AND PAYMENT

- A. General: Wire mesh partitions and ceiling will not be measured separately for payment but will be paid for as part of the Contract lump-sum price for Architectural Work.

##### 1.03 SUBMITTALS

- A. General: Refer to Section 01 33 00, Submittal Procedures, and Section 01 33 23, Shop Drawings, Product Data and Samples, for submittal requirements and procedures.
- B. Shop Drawings: Submit detailed Shop Drawings of the wire mesh partitions and ceiling, including installation details, door, hardware, and accessories.
- C. Product Data: Submit manufacturer's product data and specifications of the specified wire mesh partitions.
- D. Samples: Submit a 12-inch by 12-inch wire mesh panel constructed of specified frame members and wire mesh.

#### PART 2 – PRODUCTS

##### 2.01 WIRE MESH PARTITIONS AND CEILING

- A. Wire Mesh: Crimped, 10 gage steel wire woven into a one and a half-inch square-pattern mesh or diamond-pattern mesh, as indicated, securely clinched to frame members.
- B. Frame Members: One and a half inch by three fourths inch cold-rolled steel channels with three sixteenths-inch bolt holes approximately 24 inches on center.
- C. Horizontal Reinforcing Members: One and a half inch by three fourths inch by one eighth inch cold-rolled steel channel with wire woven through, or two one-inch by one half-inch channels bolted or riveted toe-to-toe through mesh, and secured to vertical members. Provide number of horizontal reinforcing members to suit panel height as recommended by partition manufacturer for the proposed usage.

- D. Stiffening Bars: Provide flat bar stiffener posts between abutting panel frames. Size as recommended by partition manufacturer for partition height required. Increase size of stiffening bars, if required, to maintain partition rigidity.
- E. Top Capping Bars: Three-inch by 4.1-pound channel secured to top framing channel with one fourth inch "U" bolts spaced not more than 28 inches on center.
- F. Floor Shoes: Cast metal, sized to suit vertical framing and to provide approximately six inches of clear space between finished floor and bottom horizontal frame members. Furnish units with set screw for leveling adjustment.

## **2.02 DOORS**

- A. Provide hinged door or sliding door, as indicated, meeting the following requirements:
  - 1. Hinged Door: Door frame of one and a fourth inch by three fourths inch by one eighth inch steel channel with one and a fourth inch by one eighth inch flat bar cover on three sides, and one and three eighths inch by three fourths inch by one eighth inch angle riveted to the lock side. Door shall have one and a half pair of butt hinges riveted to both door and hinge bar. Door shall have mortise-type cylinder lock operated by key outside with recessed knob inside.
  - 2. Sliding Door: Door frame of one and a half inch by three fourths inch by one eighth inch channel with one and a half inch by one eighth inch flat bar cover plate on all sides, and one eighth inch-thick strike bar on lock side. Provide two four-wheel roller-bearing hangers, box track, and bottom guide channel, and mortise-type cylinder lock operated by key outside with recessed knob inside. Align bottom of door with bottom of adjacent panels.
  - 3. Lock Cylinders: Cylinders for locks are specified in Contract Specifications Section 08 71 00, Door Hardware.

## **2.03 FABRICATION**

- A. Do not provide components less than sizes indicated. Provide larger size components when recommended by partition component manufacturer for the proposed usage.
- B. Provide anchorage devices, hardware, and installation accessories as required for a complete installation.
- C. Provide manufacturer's standard galvanized finish for wire mesh, framing, and doors.

**PART 3 – EXECUTION**

**3.01 INSTALLATION**

- A. Wire mesh partitions and ceiling shall be installed as indicated and in accordance with the approved Shop Drawings and the manufacturer's installation instructions and recommendations.
- B. Erect partitions plumb, rigid, properly aligned, and securely anchored and fastened in place, complying with the manufacturer's recommendations for the proposed usage.
- C. Provide additional field bracing as necessary for rigid, secure, and seismically braced installation. Provide additional clips and bracing as required.

**3.02 ADJUST AND CLEAN**

- A. Adjust doors for smooth operation without binding.
- B. Touch up damaged finish after completion of installation, using field-applied touch-up cold galvanizing compound to match color of galvanizing.

**END OF SECTION 10 22 13**