
SECTION 10 22 10

WIRE MESH PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide standard steel woven wire mesh partitions, with channel frames, wire mesh doors, wire mesh framed covers to prevent storage within 18" of sprinkler heads, hardware, and accessories as required for complete, secure system.
 - 1. Products Furnished but not Installed under this Section: Furnish inserts and anchoring devices to be set in adjacent construction for installation of mesh partitions; coordinate delivery to avoid delay.
- B. Related Sections:
 - 1. Section 05 50 00: Elevator shaft screens.
 - 2. Section 08 71 00: Cylinders for locks.
 - 3. Section 32 31 20: Decorative metal fences and gates.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's literature.
- B. Shop Drawings: Show complete layout, elevations and details.
- C. Samples: Submit samples for finish of exposed items.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. California Wire Products Corp.
- B. Acorn Wire and Iron Works, Inc.
- C. King Wire Partitions, Inc.
- D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. Section Includes: Provide standard steel woven wire mesh partitions, with channel frames, wire mesh doors, wire mesh framed covers, hardware and accessories.
 - 1. Provide wire mesh partitions as complete units produced by a single manufacturer, including necessary mounting accessories, and fastenings.

- B. Accessibility Regulatory Requirements: Provide for assuring access for persons with disabilities in accordance with state and federal regulations.
 - 1. California Regulations: Comply with California Building Standards Code.
 - 2. Federal Regulations: Comply with Americans with Disabilities Act (ADA) Standards.
 - 3. Door Openings: Not less than 32" clear.
- C. Partitions and Tops: Manufacturer's standard units as specified, complete with hardware, accessories and fastenings.
 - 1. Sections: Fabricate sections of minimum 10 gage steel woven wire in 1-1/2" diamond mesh, clinched to channel frames.
 - 2. Vertical Frames: Minimum 1-1/4" by 5/8" cold rolled "C" channels.
 - 3. Horizontal Frames: Minimum 1" by 1/2" by 1/8" cold rolled channels, mortised and tenoned at intersections.
 - 4. Rails: Minimum 2-1/4" by 1-5/16" channels.
 - 5. Corner Posts: Minimum 1-1/4" by 1-1/4" by 1/8" angles with 1/4" bolt holes to match those in section frames.
 - 6. Floor Shoes: Minimum 1-1/4" by 1-1/4" case iron with set screws for leveling.
 - 7. Sheet Metal Base: Minimum 16 gage steel sheet, welded or bolted to frame.
- D. Swing Door: Fabricate swing door of steel woven wire mesh as specified for partition sections, clinched to 1-1/4" by 1/2" by 1/8" channel frames.
 - 1. Band channels with 1-1/4" by 1/8" angle riveted in place on four sides of door.
 - 2. Equip door with 1-1/2 pair butt hinges riveted to both door and frame.
 - 3. Lock: Equip door with bronze mortise type lock to receive cylinder keyed to building keying system; lock operated on outside by key and on inside by recessed lever.
 - a. Cylinders: Provided in Section 08 70 00 - Hardware.
- E. Accessories: Provide as required for complete installation; finish exposed materials to match partition system.
- F. Finish: Manufacturer's standard shop coat of enamel; color as selected from manufacturer's standard colors.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Field Measurements: Obtain field measurements prior to preparation of shop drawings and fabrication where necessary to assure proper fitting.
- B. Examine surfaces to receive wire mesh partitions; verify dimensions of in-place and subsequent construction.
- C. Installation constitutes acceptance of related construction.

3.2 INSTALLATION

- A. Erect partitions in accordance with manufacturer's recommendations, level, plumb, true to line, and in correct relation to adjacent materials.
- B. Provide field bracing for erection.
- C. Check hardware for proper operation; doors to open with maximum 5 pounds pressure.
- D. Touch-up damaged finish after installation using field paint to match shop-applied finish.

END OF SECTION