

BuildingName
The Description of the Project
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SPECIFICATION DIVISION 10

NUMBER SECTION DESCRIPTION

DIVISION 10 SPECIALTIES

SECTION 102213 - WIRE MESH PARTITIONS

END OF CONTENTS TABLE

DIVISION 10 SPECIALTIES
SECTION 102213 - WIRE MESH PARTITIONS

PART 1 - GENERAL

1.1 SUMMARY

- A. Extent of wire mesh partitions is shown on drawings.

*DELETE BELOW AND SPECIFY CYLINDERS IN THIS SECTION IF NO
HARDWARE SECTION IS INCLUDED IN SPECIFICATION.*

- B. Lock Cylinders are included in Division 08 Section "Door Hardware".

1.2 QUALITY ASSURANCE

- A. Manufacturer: Provide wire mesh partitions as complete units produced by a single manufacturer, including necessary mounting accessories and fasteners.
- B. Field Measurements: Where possible, field measure prior to preparation of shop drawings. Where field measurements cannot be obtained without delay of the work, fabricate units to allow for field adjustments and fitting.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data indicating compliance with requirements and manufacturer's installation instructions.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of wire mesh partitions. Include plans, elevations, and large scale details showing anchorage and accessory items.

PART 2 - PRODUCTS

*SYSTEM SPECIFIED BELOW IS FOR STANDARD MESH PARTITIONS - TO
SPECIFY SPECIAL TYPES, OR ECONOMY OR HEAVY DUTY GRADES,
CONSULT MFR'S LITERATURE.*

2.1 ACCEPTABLE MANUFACTURERS

- A. Manufacturer: Subject to compliance with requirements, products of one of the following:
- Acme.
 - Kentucky Metal Products Co.
 - Logan, Div. Spaceguard Co.
 - Phoenix Co.
 - Miller Wire Works.
 - Wipco, Div. Jesco Industries, Inc.
 - Wirecrafters Co.

2.2 MATERIALS AND FABRICATION

- A. General: do not use components less than sizes indicated; use larger size components as recommended by partition manufacturer for indicated application.

SELECT COMPONENTS TO SUIT PROJECT REQUIREMENTS.

- B. Mesh: 10-gage (0.135 inch) crimped steel wire woven into 1-1/2 inch mesh securely clinched to frame members.
- C. Frames: Provide cutouts for pipes, ducts, beams, and other items shown or necessary for partition installation. Finish edges of cutouts to provide a neat, protective edge.
 - 1. Vertical Members: 1-1/4 inch by 5/8 inch cold-rolled steel C-section channels with 1/4 inch bolt holes approximately 15 inches o.c.
 - 2. Horizontal Members: 1 inch by 1/2 inch by 1/8 inch cold-rolled steel channels, mortised and tenoned to vertical members.
 - 3. Horizontal Reinforcing Members: 1 inch by 1/2 inch by 1/8 inch cold-rolled steel channel with wire woven through, or two 1 inch by 3/8 inch channels bolted or riveted to each side of mesh, and secured to vertical members. Provide number of horizontal reinforcing members to suit panel height as recommended by partition manufacturer.

DELETE BELOW IF PARTITION HEIGHT DOES NOT EXCEED 8 FEET.

- D. Stiffening Bars: For free-standing partitions over 8 feet in height, 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.

DELETE BELOW IF TOP TIED TO OVERHEAD CONSTRUCTION.

- E. Top Capping Bars: 2-1/4 inch by 1 inch cold-rolled steel channels, secured to top framing channel with 1/4 inch U-bolts spaced not more than 28 inches o.c.
- F. Corner Posts: 1-1/4 inch by 1-1/4 inch by 1/8 inch angles with 1/4 inch bolt holes to align with bolt holes in vertical frame members, and floor plate.

DELETE BELOW IF ALL CORNERS 90 DEG.

- 1. For other than 90 deg. intersections use manufacturer's recommended tubular corner posts and installation accessories.
- G. Floor Shoes: Cast iron, sized to suit vertical framing and to provide approximately 3 inches clear space between finished floor and bottom horizontal frame members. Furnish units with set screw for leveling adjustment.
- H. Sheet Metal Base: Panels formed of 16-gage steel sheet, welded or bolted to frames.

- I. Hinged Door: Door frame of 1-1/2 inches by 1/2 inches by 1/8 inch channel with 1-1/4 inch by 1/8 inch flat bar cover plate on 3 sides, and matching 1/8 inch angle strike bar and cover on lock side. Provide 1-1/2 pair butt hinges welded to door and frame, and bronze mortise type cylinder lock operated by key outside and recessed knob inside. Align bottom of door with bottom of adjacent panels.

DELETE BELOW IF CYLINDERS ARE SPECIFIED IN SECTION 087100 "DOOR HARDWARE".

1. Manufacturer/Model of Cylinders: Best Co., only. Contact University of Michigan Key Office for cylinder information.
- J. Sliding Door: Door frame of 1-1/2 inches by 3/4 inches by 1/8 inch channel with 1-1/2 inch by 1/8 inch flat bar cover plate on all 4 sides. Provide door with two 4-wheel roller bearing carriers, box track, bottom guide channel and bronze mortise type cylinder lock operated by key outside and recessed knob inside. Align bottom of door with bottom of adjacent panels.

DELETE BELOW IF CYLINDERS ARE SPECIFIED IN SECTION 087100 "DOOR HARDWARE".

1. Manufacturer/Model of Cylinders: Best Co., only. Contact University of Michigan Key Office for cylinder information.
- K. Service Window: size as shown or, if not shown, 24 inches wide by manufacturer's standard height. Fabricate of same mesh and frames as panel units, arranged to lock in open and closed positions with spring catches.
- L. Service Window Shelf: Size as shown or, if not shown, approximately 12 inches deep and 24 inches wide. Fabricate of 12-gage steel, flanged front and back, edges finished smooth, with side brackets for support.

DELETE BELOW IF NOT REQUIRED.

- M. Line Posts: Where partition run exceeds 20 feet without intersection or connection to overhead framing, furnish manufacturer's standard line posts and base plates located at recommended intervals to ensure partition rigidity and stability.

MOST MANUFACTURERS LIMITED TO GRAY - SOME HAVE GREEN AND BLACK AVAILABLE. CHECK WITH MANUFACTURERS.

- N. Finish: Provide manufacturer's standard shop-applied enamel finish.
1. Provide finish colors of materials for wire mesh partitions and accessories as indicated or, if not indicated, as selected by Architect from manufacturer's standard color range.
- O. Provide bolts, hardware, and accessories recommended by manufacturer's printed installation instructions and as required for a complete, secure installation.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Erect partitions plumb, rigid, properly aligned, and securely fastened in place, complying with drawings and manufacturer's recommendations.
- B. Provide additional field bracing as shown or necessary for rigid, secure installation.

3.2 ADJUST AND CLEAN

- A. Adjust moving components for smooth operation without binding.
- B. Touch-up damaged finish after completion of installation using field-applied paint to match color of shop applied finish.

END OF SECTION 102213