

SECTION 10605
TYPE NO. 333 HEAVY DUTY
WIRE MESH PARTITIONS

PART 1 GENERAL

1.1 SUMMARY

- A. The work includes the manufacturing of mesh partitions as indicated and as specified. The Conditions of the Contract and Division 1 apply to this section as fully as if repeated herein.

1.2 SUBMITTALS

1. Manufacturer's Data: Submit manufacturer's technical data and installation instructions.
2. Shop Drawings: Submit shop drawings for fabrication and erection. Include plan view elevations and large scale details. Show necessary items. Provide templates as required.

1.3 QUALITY ASSURANCE

- A. Qualifications:
1. Manufacturer: Company specializing in manufacturing Products specified with minimum 5 years documented experience.
 2. Installer: Company specializing in performing the Work of this Section with minimum 5 years documented experience.
- B. Field Measurements: Confirm field measurements before fabrication, where possible. Allow for adjustments and fittings where required.
- C. Inserts and Anchorage's: Furnish devices which must be set in concrete or built into masonry. Coordinate with other work.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Section 01600 - Product Requirements: Transport, handle, store and protect products.
- B. Deliver materials to jobsite in unopened containers bearing manufacturer's name and content identification.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with project requirements, manufacturer's offering Products which may be incorporated in the Work include the following:
1. CALIFORNIA WIRE PRODUCTS, Corona, CA 92882
PH (800) 486-7730 FAX (909) 735-1070
E-mail: info@cawire.com <http://www.cawire.com>

2.2 WIRE MESH PARTITIONS

A. Partitions Frame and Wire Mesh:

1. Steel: Complies with ASTM A36/A36M.
2. Wire: #6 W&M gauge steel wire, 2" diamond intercrimp mesh, clinched and welded to channel frames.
3. Vertical Frames: 1-1/2" X 3/4" x 1/8" channel provided with holes for bolting to adjacent panel.
4. Horizontal Frames: 1-1/2" x 3/4" x 1/8" hot roll channel.
5. Stiffeners: 1" X 1/2" x 1/8" hot roll channel.
6. Top Capping Bar: Hot roll formed 'C' shaped channel C3 x 4.1.
7. Flat Bar Stiffeners: 2 1-2" x 5/16" flat bar, full height of panel to prevent telescoping of channel frames and stiffener runs. Each with base plate and (2) two anchors.
8. Corner Posts: 1-1/2" X 1-1/2" x 1/8" 90° angle.
9. All hardware and anchors are furnished for a complete installation.

B. Door and Frame:

1. Doors:
 - a. Sliding: Constructed of 1-1/2" x 3/4" x 1/8" hot roll channel frame banded with 1/8" x 1-1/2" flat bar top and sides. Door to have (2) four-wheel hangers with box track.
 - b. Hinged: Constructed of 1-1/4" x 1/2" x 12 gauge channel frame banded with 1/8" x 1-1/4" flat bar top and sides. 1-1/2" pair butt hinges welded to door sides and jambs.
2. Floor Brace: 3-1/2" x 1-1/2" roll formed 12 gauge channel brace with base plate and mounting anchors.
3. Service Windows: Installed in any standard panel or door. Openings are 24" wide x 21" high. 12" steel shelf and padlock attachments provided.
4. Locks: Doors are equipped with mortise type cylinder locks operated from outside with key, and from inside with recess knob. Padlock hasps also available.

C. Finish: An HVLP applied shop coat of machinery gray enamel. Standard options include gray, tan, safety yellow, black, blue, red prime, and hot dipped galvanized. Special colors are available upon request.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine the areas and conditions under which mesh partition units are to be installed. Do not proceed with the work until unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install Work under this Section in accordance with manufacturer's printed recommendations.
- B. Erect partitions plumb, rigid, properly aligned, and securely fastened in place. Adjust opening and closing units to operate freely without bind.
- C. Provide additional field bracing as necessary for rigid, secure installation.
- D. Install all accessories required for a completed installation.
- E. Touch up paint damaged finish after completion of installation using field-applied paint to match color of shop-applied finish.

- END OF SECTION -