



PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Expanded metal storage units.

1.2 DESCRIPTION

- A. Furnish all expanded partitions as indicated complete with all hardware and accessories.

1.3 SUBMITTALS

- A. Shop Drawings:
 - 1. Include plans, elevations, sections, and details of panel and door construction, and hardware.
- B. Samples for initial selection: For units with factory-applied color finishes.
- C. Samples for verification: 12-by-12-inch (300-by-300-mm) panel constructed of specified frame members and wire mesh.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: Minimum 1 year experience installing similar products.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver items palleted and wrapped to provide protection during transit and project-site storage. Use vented plastic.
- B. Store expanded metal panels in a dry area out of weather and prohibit stacking other materials on top.

1.6 FIELD CONDITIONS

- A. Field Measurements: Field measure at location of the work prior to fabrication. Include measurements of adjacent construction to which the expanded metal partitions must fit.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Acorn Wire & Iron Works LLC

2.3 EXPANDED METAL STORAGE UNITS (STANDARD HEIGHTS 7'-6", STANDARD WIDTHS 3'-0" & 4'-0")

- A. Mesh: All Acorn metal partition constructed of 1 ½" x #16 F expanded metal with 1-1/2-inch (38-mm) diamond, securely welded into angle frames.
- B. Frames: MIG- welded and pre punched for installation.
- C. Side Panels: 1-1/4-by-1-1/4 -by 14 Ga. (32-by-32-mm) cold-rolled angle, with holes for 1/4-inch-(6-mm-) bolt holes not more than 18 inches (472 mm) o.c.
- D. Horizontal Reinforcing: 1-1/2-by-1-by 14 Ga. (38-by-25-mm) cold-rolled angle, 1 required.
- E. All joints to be welded.
- F. 20 Gauge formed sheet metal divider shelves for double tier units.
- G. Swinging Doors: Fabricated from same expanded metal mesh, with framing fabricated from [1-1/2-by-1-by-14 Ga. (38-by-25-mm) full length angle. Each door to have (3) 2"x 2" butt hinges fixed with pins. Standard widths 3' and 4'.
 - 1. Hasp for padlock.
- H. Finish: Powder -coated finish.
 - A. Standard colors: Tower Gray.

2.4 CEILINGS

- A. Mesh: Fabricated from same mesh as storage unit panels.
- B. Framing: 1-by-1-1/2 -1 (25-by-38-by-25-mm) U channels.
- C. Perimeter Partition Supports: [1-1/2-by-1-1/2-by-13 Ga. (8-by-38-mm) steel angle, directly tek screwed to expanded metal storage unit panels.
- D. Finishes: Match adjacent wire mesh partitions.

2.5 FABRICATION

- A. Mesh: Securely welded to frame angles.

PART 3 – EXECUTION

3.1 EXAMINATION

- A. Examine areas, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.

3.2 INTALLATION

- A. Install wire mesh partition in accordance with manufacturer's shop drawings.

3.3 CLEANING

- A. Touchup Painting: Immediately after erection, clean bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting.

END OF SECTION

