



SECTION 10 22 13

WELDED WIRE MESH PARTITIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Welded wire mesh assemblies.
 - 1. Swinging doors.
 - 2. Sliding doors.
 - 3. Cage ceilings.

1.2 RELATED SECTIONS

- A. Section 08 71 53 - Security Door Hardware.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Installation methods.
- C. Shop Drawings: Provide plan of panel and door lay-out with elevations indicating panel height and relation to supporting and enclosing structure. Provide details of door construction and hardware location.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10 year experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2 year experience installing similar products.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.

1.6 PROJECT CONDITIONS

- A. Do not install products under environmental conditions outside manufacturer's recommended limits.

- B. Do not store outside or allow to get wet.

1.7 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Folding Guard, which is located at 5858 West 73rd Street, Bedford Park, IL 60638; Tel: 800.622.2214; Fax: 708.325.0450; Email: sales@foldingguard.com; Web: foldingguard.com
- B. Web: <http://www.foldingguard.com>.
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 WIRE MESH PARTITIONS

- A. Partition Assembly: Model SAF-T-FENCE as manufactured by Folding Guard.
- B. Panels shall be welded of No. 10 gauge (0.135 inch) (3.4 mm) steel wire in a 1-1/4 inches (32 mm) by 2-1/2 inches (64 mm) grid openings with wires securely welded to the frame.
- C. Vertical and horizontal frames shall be 1-1/2 inches (38 mm) by 1-1/2 inches (38 mm) 14 gauge steel angle. Corner joint construction shall be a lap joint design, with one full width 3/16 inches (5 mm) weld at each corner junction.
- D. Wire mesh partitions to be supported by 2 inches square (51 mm) 16 gauge steel tube, welded to a 2 inches (61 mm) by 6 inches (152 mm) by 1/4 inch (6 mm) steel base plate. Finish shall be a Saf-T-Yellow Powder Coat (posts only; panels to be medium gloss black). A wet spray enamel paint coating shall not be approved as equal. Specify the quantity of posts as required.
 - 1. Posts shall be furnished at the optional standard heights:
 - a) 5'-3" (1.6m) high system.
 - b) 7'-0" (2.1m) high system.
 - c) 8'-0" (2.4m) high system.
 - d) Custom height (specify _____).
 - 2. Attachment of wire mesh partitions to posts to be accomplished by four (4) 1/4 (6 mm) inch by 2-1/2 inch (64 mm) carriage bolts furnished with the panel as standard.
 - 3. Optional attachment of wire mesh partitions to posts to be accomplished by means of galvanized Drop-N-Lock System for ease of installation and removal for temporary egress to the work cell. Specify as required.
- E. Sliding door frame shall be 1-1/2 inches by 1-1/2 inches (38 mm by 38 mm) 14 gauge angle on all four sides (full frame). Horizontal reinforcing at 42 inches (1067 mm) high shall be a formed 8 inch (203mm) wide fender plate, welded in place with two angles 1 inch by 1 inch (25 mm by 25 mm) top and bottom, secured to side frames with a minimum of five weld points each side. Door shall be equipped with a heavy box track, two 2 1/8 inch (54mm) diameter four-wheel ball bearing hangers,

and bottom guide channel.

1. Door shall be furnished as standard with a snap lock door catch to ensure closed position.
 2. Door shall be furnished with an optional heavy duty service mortise type cylinder lock operated by a key from outside, and a recessed thumb-turn actuation from inside.
 3. Additional options to be specified as required: Padlock Hasp, Electric Strike, Card Reader or Magnetic Lock.
- F. Hinged door frame shall be 1-1/2 inches by 1-1/2 inches (38 mm by 38 mm) 14 gauge angle on all four sides (full frame), with 1-1/2 inches (38 mm) pair of butt hinges. Horizontal reinforcing at 42 inches (1067 mm) high shall be a formed 8 inch (203mm) wide fender plate, welded in place with two angles 1 inch by 1 inch (25 mm by 25 mm) top and bottom, secured to side frames with a minimum of five weld points each side.
1. Door shall be furnished as standard with a snap lock door catch to ensure closed position.
 2. Door shall be furnished with an optional heavy duty service mortise type cylinder locks operated by a key from outside, and a recessed thumb-turn actuation from inside.
 3. Additional options to be specified as required: Lever Handle, Push Bar, Paddle, Keypad, Padlock Hasp, Electric Strike or Card Reader.
- G. Cage ceilings to be manufacturer's standard construction and configuration.
- H. Finish shall be Medium Gloss Black Powder Coat, with the exception of galvanized and aluminum components. A wet spray enamel paint coating shall not be approved as equal.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 INSTALLATION

- A. Install in accordance with manufacturer's instructions.
- B. Dependent upon height, brace panels and doors to structure to resist panel applied loads and door misalignment.

3.3 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION