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


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 inch (6 mm) 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