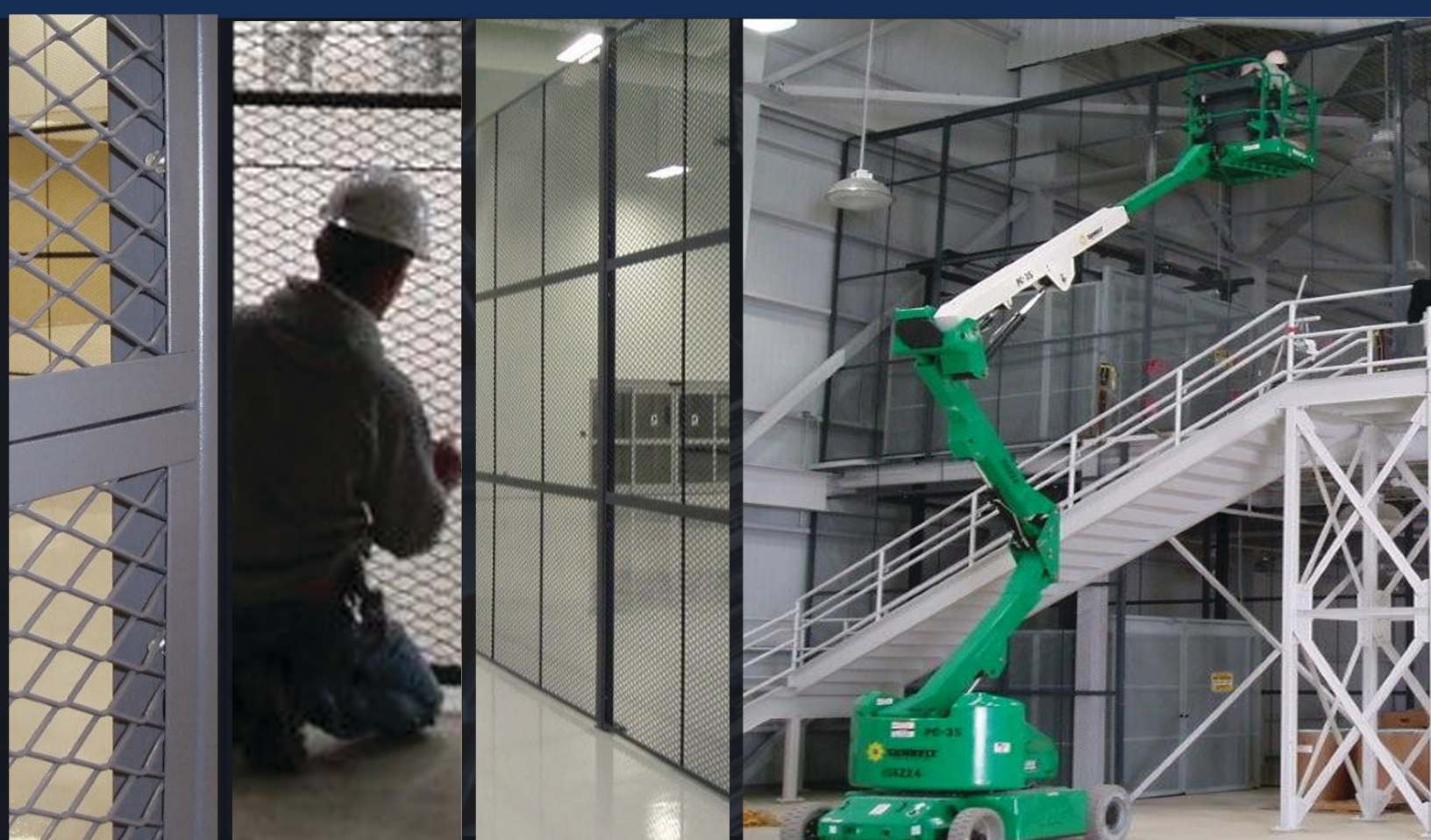




# Secura Mesh® Cage & Partition System



TRANSFORMING MATERIALS

*into products that make a safer world*



# SECURA MESH® PARTITION SYSTEM

The AMICO Secura Mesh® Partition System will meet your security requirements, offering the advantage of easy assembly while providing strength, visibility and ventilation. The AMICO System is modular and stackable. Secura Mesh Panel infill material is welded into steel frames. Secura Mesh is made from a sheet of steel that is simultaneously slit and stretched into a rigid, open mesh diamond pattern making one continuous sheet that, if cut, will not unravel at the strands. Partitions are fabricated in sizes to fit the simplest to the most complex of floor layouts without cutting or welding.

## SYSTEM FEATURES

- AMICO Secura Mesh is tough to cut and durable
- Modular to fit any space
- Stackable to secure any height opening
- Welded construction for strength and security
- Utilizing heavy duty 3/8" threaded fasteners
- All fasteners and floor attachment hardware are included
- Fasteners are accessible only from inside the cage
- Easy to assemble, change or move
- Easy installation requiring no special tools
- Good visibility both from inside and outside
- Offered with or without a 3/4" sweep-space
- Doors are supplied complete with all accessories
- Additional accessories such as self closures, electric and magnetic strikes, keypad and card readers are available

## PANEL DESCRIPTION

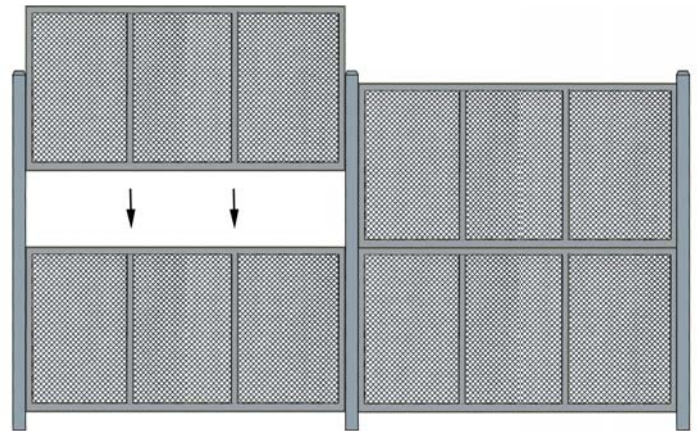
Partition panels are 1' to 10' wide and 4' or 5' high. The desired height of the enclosure is achieved by stacking and bolting two or more partitions between posts. The standard system design allows for a 3/4" sweep-space or panels flush to floor. The same panels are used both as walls or ceilings. The AMICO system allows for a ceiling clear span of up to 35-feet.

## PANELS ARE STACKABLE

Panels are available in widths of increments from 1' up to 10'. Stack partitions to any height up to 40-feet using 4'-0", 5'-0" and custom sizes as required. AMICO Secura Mesh® is our standard infill material. Meshes are available in different thicknesses with open areas from 50% - 75% and all welded into our standard 1 1/4" x 1 1/4" x 1/8" steel angle frames.

## ADJUSTABLE PANELS

For hard to measure areas, use our sheet metal adjustable partitions panel; allows for width adjustments from 1" to 11".



Stackable panels allow any height partitions

## CEILINGS

Standard panels attach to partition walls with slotted angle allowing a non-load bearing ceiling clear span up to 35-feet. Ceilings can be added without changing the layout.

## POSTS

Posts are set on 10'-2" centers. Standard height posts are: 8'-5 1/4", 10'-5 1/4", and 12'-5 1/4" permitting either a 3/4" sweep-space between the bottom panel and the floor or flush to floor. Posts project 2" above the top of the partition. Special length posts are available up to 40'. Standard base plate: 2" x 7" with holes drilled for anchors. Anchor bolts are included.

## COLOR AND FINISH

Standard finish for non-plated parts is one coat of gray acrylic enamel. Our standard color is gray. Optional polyester powder coated finish is available. Optional colors for paint and powder coating are black, blue, safety yellow, orange, red, white, tan and match any color. High traffic and architectural projects may require the AMICO 8-mil color coated finish which is the most wear resistant finish in the industry.



Secura Mesh cage with standard gray finish color

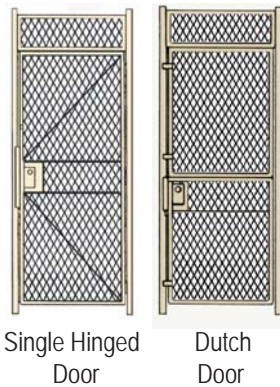


For more information [www.amicosecurity.com](http://www.amicosecurity.com) or call 205-783-6249

# SECURA MESH® PARTITION SYSTEM

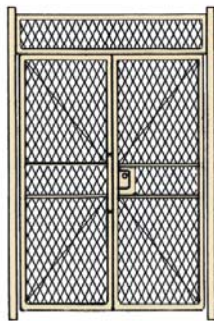
## DOOR STYLES

- Single hinged doors
- Double hinged doors
- Dutch doors
- Hinged doors with service windows
- Hinged doors with shelf
- Tunnel doors
- Vertical rise doors

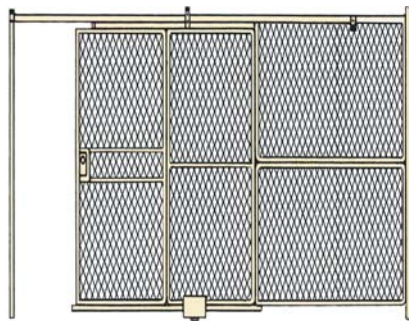


Single Hinged Door

Dutch Door



Double Hinged Door



Sliding Doors  
3', 4', 5', 6', 8', or 10' Standard Widths

## DOOR STANDARDS

Hinged doors are 3' or 4' wide.  
Double doors are 6' or 8' wide.  
Door height is 7'-3¼" high.  
Transom panels are constructed to match partition height.  
Universal construction allows left or right hand swing and inside or outside swing. Padlock lugs are standard.  
Cylinder locks are standard and are available on all doors.  
Doors are shipped complete with 2 posts, hinges, locking devices and installation hardware.



Ornamech

Numerous infill material options are available. Secura Mesh®, perforated metal, woven wire, welded wire, and Ornamech™, decorative expanded metal as shown in the photographs to the left and right.

## LOCKING DEVICES

- Standard thumb latch (inside)
- Standard key lock (outside)
- Double dead bolt (inside and outside)
- Door knob (inside)
- Lever handle (inside)
- ADA lever handles (inside and outside)
- Push paddles (inside)
- Panic bars (inside)
- Alarm locks (inside)
- 5-button coded access lock
- Electric magnetic lock (for sliding doors)
- Electric strike (for hinged doors)
- Coded Card Reader (used with electric mag lock or strike)
- 10-digit key pad (used with electric mag lock or strike)



Secura Mesh Partition with custom blue 8-mil finish



Ornamech cage with 6-ft wide sliding door



# SECURA MESH® PARTITION SYSTEM

## PART 1 – GENERAL

### 1.01 DESCRIPTION OF WORK

Included work is not limited to the manufacturing of the AMICO Secura Mesh® Partition System and all complimentary accessories.

### 1.02 SECTION INCLUDES

10 22 14 Secura Mesh® Partitions System

### 1.03 REFERENCES

ASTM A123 Standard Specification for Zinc Coatings on Iron and Steel Products. ASTM A500 Standard Specification for Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes. ASTM A1011 Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural High Strength Low Alloy with Improved Formability ASTM F1267 Specification for Metal, Expanded Steel.

### 1.04 SUBMITTALS

Submittals shall be provided prior to installation and shall include, but not limited to the manufacturer's product data, literature and drawings. Turn over keys for door locks to owner at completion of the project.

### 1.05 QUALITY ASSURANCE

Field measurements must be confirmed prior to fabrication. Engineering Drawings shall be reviewed, signed and approved by owner or owners' representative prior to fabrication.

### 1.06 STORAGE AND HANDLING

Materials shall be stored in a clean dry location with proper ventilation to avoid damage from moisture. Materials shall be protected against damage from weather, vandalism, and theft. In the event of freight damage, note freight bill and contact manufacturer immediately.

## PART 2 – PRODUCTS

### 2.01 MANUFACTURER

Cages and Partitions shall be manufactured by Alabama Metal Industries Corporation (AMICO), Birmingham, AL. Tel 800/366-2642.

### 2.02 MATERIALS

- A. Mesh infill shall be manufactured from a sheet of steel that is simultaneously slit and stretched into a rigid, open mesh diamond making one continuous sheet that cannot unravel. The finished shape of the mesh opening shall be diamond. Conventional expanded metal products not meeting specified tensile strength and manufactured specifically for security purposes is NOT acceptable for this use.
- B. Wall and ceiling panels shall utilize Secura Mesh [ASF .75-9R] [ASF.50-13R] [ASF1.5-9R] [ORNAMESH®] and securely welded into 1¼" x 1¼" x 1/8" hot rolled steel angle frames. Slotted holes are provided for securing panels

to post and panels to panels for both walls and ceiling. As required a 3¼" sweep space shall be provided. All erection hardware shall be furnished by the manufacturer. Partition mounting hardware shall be 3/8" standard thread grade 2 plated fasteners. Floor anchors shall be 3/8" wedge type. Provide ceiling panels and manufacturers hardware.

### C. Posts

One-piece post construction shall include 2" x 2" x 14GA hot rolled steel tubing cut to length with 2" x 7" x ¼" steel base plate welded to one end of the post and plastic post caps supplied for the other end. Posts shall be pre-drilled to accept hardware for mounting panels and doors, and posts to the floor. All posts shall be attached to the concrete subfloor using factory supplied wedge type anchor bolts.

### D. Doors

Door type shall be [double swing] [single hinged doors] [double hinged doors] [dutch doors] [hinged doors with service windows] [hinged doors with shelf] [tunnel doors] [vertical rise doors] with Three 4" x 4" x 10GA tight pin hinges per swing door. Each door includes two posts, padlock lugs, [cylinder lock] and hardware. Door opening height shall be 7'-3¼". Width of opening shall be noted on drawings.

### E. Locking Devices

Locking device shall be (specify standard mortise style self locking cylinder lock (outside) and thumb knob (inside) or Standard thumb latch (inside) [standard key lock] [double dead bolt] [door knob] [lever handle] [ADA lever handles] [push paddles] [panic bar] [alarm locks] [5-button coded access lock ] [Coded Card Reader] [10-digit key pad] [Electric magnetic lock] [Electric strike].

### F. Finish

Standard finish, 1-coat of gray acrylic enamel.  
Option 1: AMICO's 3 mil powder coated finish shall be (specify standard gray, black, tan, white, yellow, orange, blue or red.  
Option 2: AMICO's 8-mil color coated finish [standard color from above] [match owners color].  
Option 3: Hot Dip Galvanized after fabrication.  
All threaded fasteners shall be zinc plated.

## PART 3 – EXECUTION

### 3.01 INSTALLATION

Installation shall be in compliance with manufacturer's recommendation and working drawings. Install plumb, level, and securely anchored to floor and to other structural members where indicated. All posts shall be installed directly to the concrete subfloor. Raised flooring tiles shall be cut to allow the post to pass through the floor tile. All posts shall be connected to the deck above using the manufacturers' adjustable ceiling bracket. Adjust doors for smooth, easy operation. Post to panel to panel to panel connections shall utilize 3/8" Grade 2 plated fasteners. Panels stack to reach the desired partition height.

A GIBRALTAR INDUSTRIES COMPANY



QUALITY PRODUCTS - AROUND THE GLOBE

ALABAMA METAL INDUSTRIES CORPORATION

3245 Fayette Avenue ♦ Birmingham, AL 35208

800/366-2642 ♦ Direct 205-783-6249

For information on other AMICO physical security products

Secura Fence System® - Security Mesh™ - Secura Lath® - Secura Mesh® Partition System and Ornamesh®

[www.amicosecurity.com](http://www.amicosecurity.com)