

Kelly Klosure's Expanded Metal Partition System is designed to be a re-usable, easy to install, modular panel system for use in temporary and permanent security applications.

The modular expanded metal panels, with some basic accessories, can be configured into wall systems and complete enclosures with roofs.

A wide range of door options allows for easy access to enclosed areas while maintaining security.

**Typical Uses:**

- Tool Cribs
- Holding Cells
- Machine and Process Guarding
- Security Enclosures



Machine Guarding



Wall System



Access Control During Power Plant Outage Work  
(FME Barrier)



Holding Cells

Each Kelly Klosure Expanded Metal Panel is comprised of a steel angle frame with expanded metal securely welded into place.

**Standard Components:**

- **Perimeter Frame:** 1-1/2" x 1.1/2" x 1/8" A36 Hot-Rolled Steel Angle
- **Panel Intermediate Members:** 3/4" x 3/4" x 1/8" A36 Hot-Rolled Steel Angle
- **Filler:** 3/4-13 Flattened Steel Expanded Metal
- **Finish:** Blue Polyurethane-Acrylic Enamel
- **Connections:** Factory Punched Holes for Locking Key or Bolted Connections

**Standard Panel Sizes:**

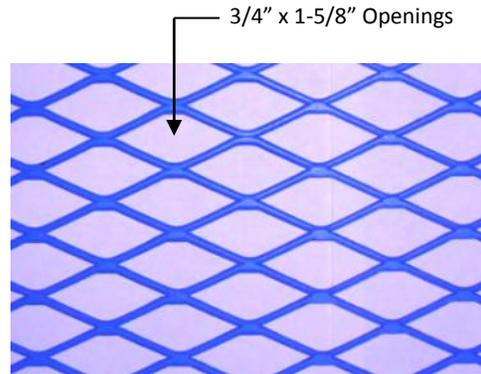
- 4' x 4'
- 4' x 8'
- 4' x 12'
- 4' x 16'

**Optional Features:**

- Custom Sized Panels
- Custom Heavier Weight Expanded Metal
- Custom Color
  - Safety Yellow
  - Medium Gray
  - Others Upon Request



Easy to Handle Panel Racks



3/4" x 1-5/8" Openings

3/4-13 Flattened Steel Expanded Metal with Standard Blue Enamel Finish



Kelly Klosure's Patented Locking Key  
 Faster assembly and disassembly without need for tools.



Bolted Connections  
 For higher security applications.

Kelly Klosure Expanded Metal Panels have personnel doors installed in 4' x 8' panels interchangeable with standard 4' x 8' panels. This allows the system to be reconfigured and reused indefinitely. Larger equipment access doors are also available. The following pages will detail the door options.

**Standard Personnel Door Types:**

- 3'-6" Wide x 7' High Swing Door
- 3' Wide x 7' High Dutch Swing Door
- 4' Wide x 7'-6" High Sliding Door

**Standard Equipment Door Types:**

- 8' Wide x 7'-6" High Sliding Door
- 8' Wide x 7'-6" High Double Swing Door

**Custom Doors Available:**

- Commercial Hollow Metal Doors & Hardware
- Custom Sized Swing, Dutch & Sliding Doors

**Standard Door Hardware:**

- Hasp Lock for Padlock

**Optional Upgraded Hardware Types:**

- Locksets
- Keyed Dead Bolts

**Custom Hardware Options:**

- Exit Devices (Panic Bars)
- Door Closers
- Mortise Locksets
- Custom Upon Request

3'-6" Wide x 7' High  
Standard Personnel Door



3' Wide x 7' High  
Dutch Door



8' Wide x 7'-6" High  
Sliding Door



Expanded metal personnel doors are factory installed in a 4' x 8' panel that is interchangeable with other standard panels.

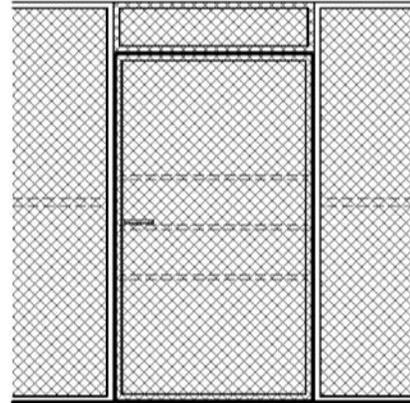
Kelly Klosure stocks an inventory of standard 3'-6" x 7'-0" (nominal opening size) personnel doors with hasp locks in the orientation shown to the right. Upgrades such as locksets, alternate door swing direction and custom color doors will be custom made to order.

**Standard Personnel Door Types:**

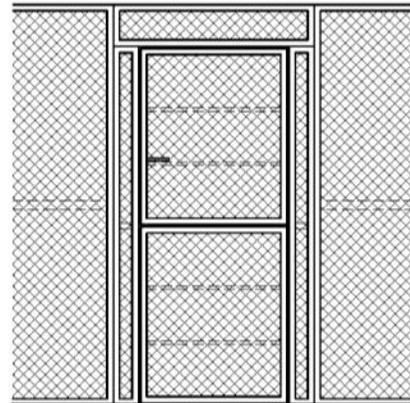
- 3'-6" Wide x 7' High Swing Door
  - Hasp lock for padlock (see upgrades below)
  - Left hand door, swings towards exterior (see diagram to the right)
- 3' Wide x 7' High Dutch Swing Door
  - Hasp lock for padlock on upper half, operable from exterior (see upgrades below)
  - Slide bolt on bottom half, operable from interior only
  - Left hand door, swings towards exterior (see diagram to the right)

**Optional Door Upgrades:**

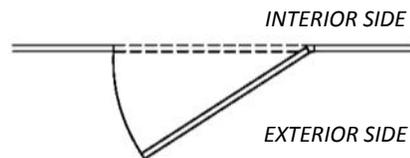
- Light Commercial Lockset (Schlage Compatible)
- Schlage B-Series Double Keyed Deadbolt
- Schlage D-Series Lever Lock
- Best 83K Lockset or 90K Lever Lock
- Best 73T Double Keyed Deadbolt
- Shelf for Dutch Door



Standard 3'-6" Wide x 7' High Swing Door



Standard 3'-0" Wide x 7' High Dutch Door



Standard Door Swing

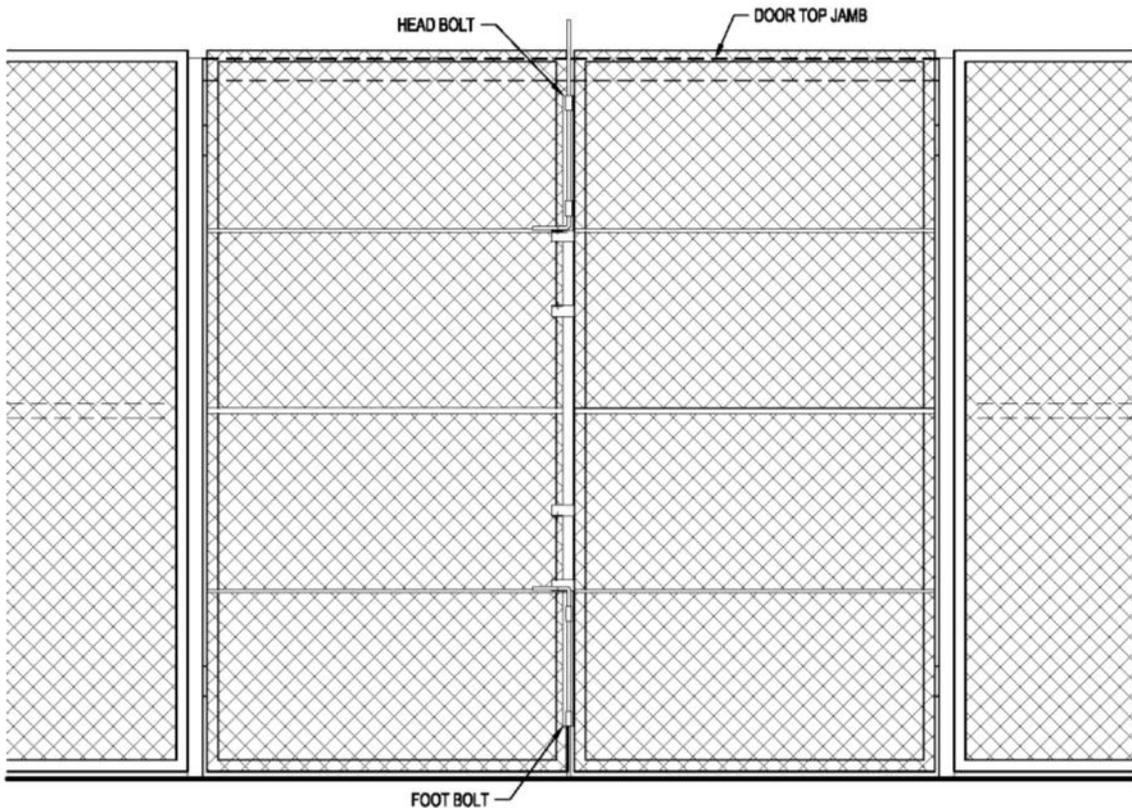


Personnel Door with Standard Hasp Lock

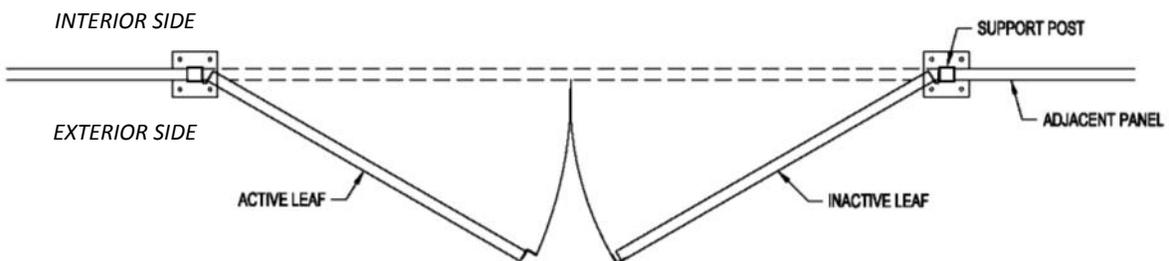


Personnel Door Upgraded with Deadbolt

Kelly Klosure offers an 8'-0" wide x 7'-6" high double swing door that can be installed in place of (2) 4' x 8' standard panels. These doors are field assembled and have head and foot bolts on the primary leaf that can be locked with pad locks.



8'-0" Wide x 7'-6" High Double Swing Door Elevation  
 (Exterior View)



8'-0" Wide x 7'-6" High Double Swing Door Plan View

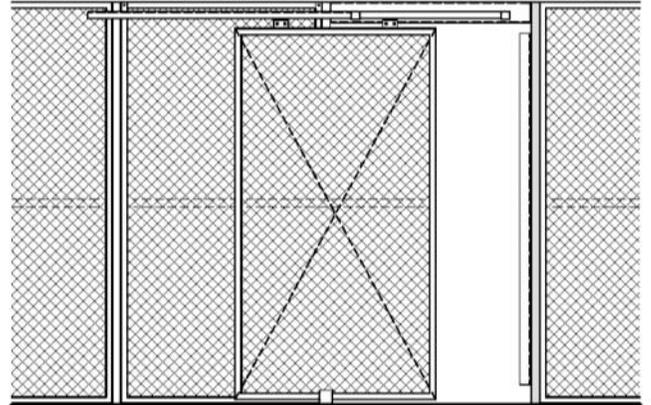
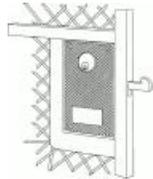
Kelly Klosure Expanded Metal sliding doors are made to order and can be setup to slide either direction.

**Standard Sliding Doors:**

- 4'-0" Wide x 7'-6" High  
 - Slide bolt lock for padlock  
 (see upgrades below)
- 8'-0" Wide x 7'-6" High  
 - Slide bolt lock for padlock  
 (see upgrades below)

**Optional Door Upgrades:**

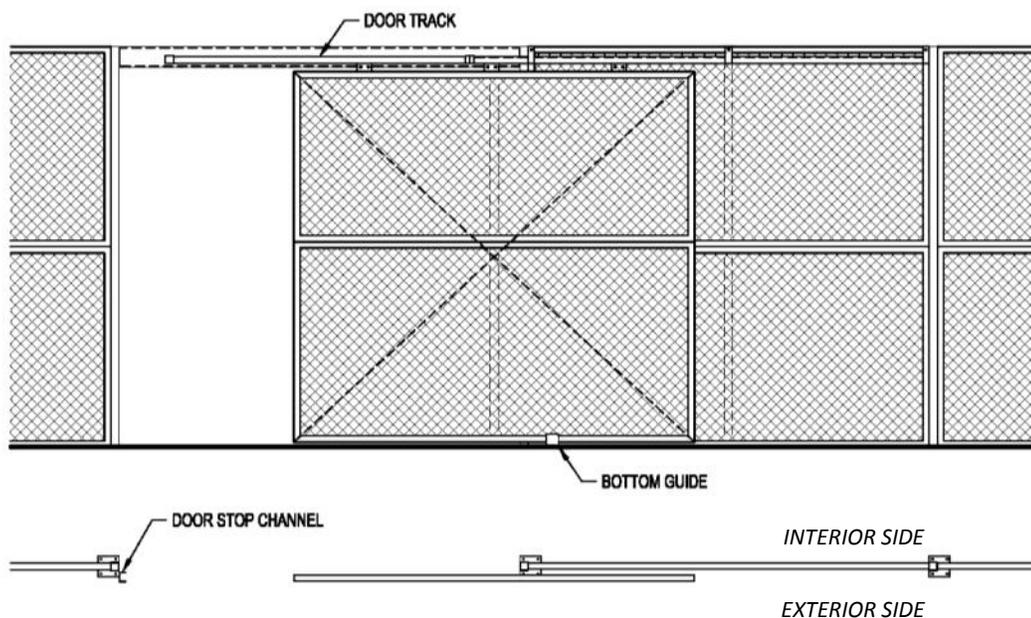
- Custom Size Door
- Marks W3800 Keyed Sliding Door Lock  
 - Schlage, Best or custom key cylinder



4'-0" Wide x 7'-6" High Sliding Door Elevation



8'-0" Wide x 7'-6" High Sliding Door

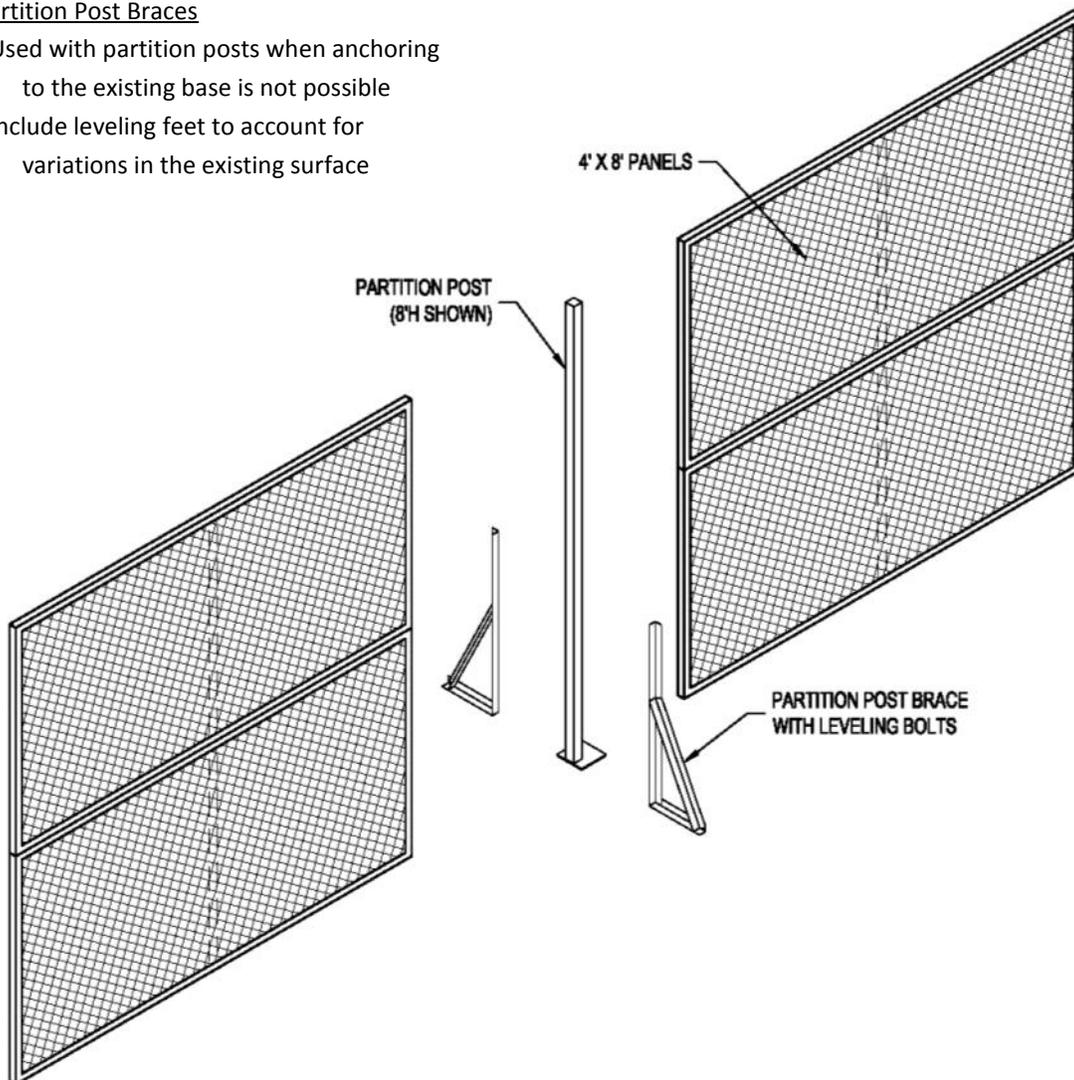


8'-0" Wide x 7'-6" High Sliding Door  
Elevation & Plan View

Kelly Klosure Expanded Metal enclosure and wall systems will include all accessories required to install the panels in the desired configuration.

**Basic Accessories:**

- Erection Angles
  - Standard lengths of 4', 8' & 12' long
  - Used to make 90° corners
- Partition Posts
  - Used to stabilize wall systems
  - Designed to be anchored to the existing base below
  - 8'H or 12'H
- Partition Post Braces
  - Used with partition posts when anchoring to the existing base is not possible
  - Include leveling feet to account for variations in the existing surface
- U-Channel Connectors
  - 4' or 8' Long
  - Used to make 3-way connections such as partition walls
- Ledge Angles
  - Used to attach roof panels to existing walls or structures
- Connecting Hardware
  - Kelly's patented Locking Key
  - 3/8" Diameter Bolts

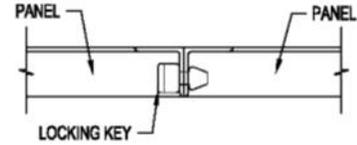


Partition Post with Braces  
 (Shown in Exploded View)

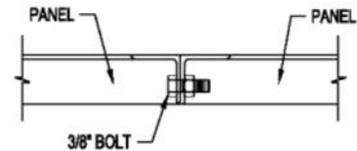
Kelly Klosure Expanded Metal Panels are easily attached to each other through factory punched alignment and connection holes.

**Connection Methods:**

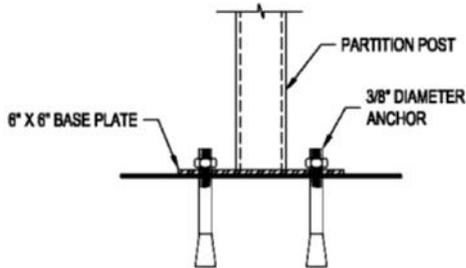
- Locking Keys
  - No tools needed
  - Faster assembly and disassembly than bolts
- 3/8" Diameter Bolts
  - Higher security than locking keys



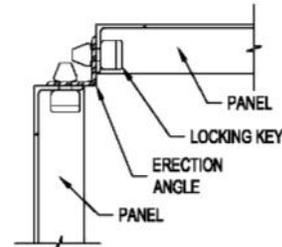
Panel to Panel Connection Detail  
 (Locking Keys Shown)



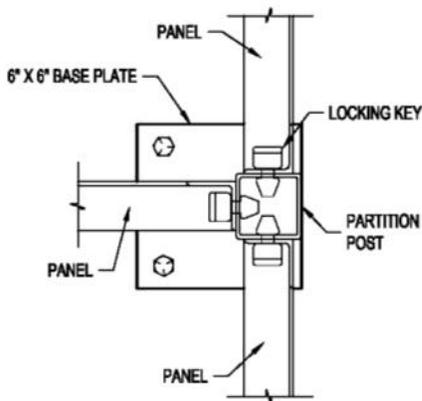
Panel to Panel Connection Detail  
 (3/8" Diameter Bolts Shown)



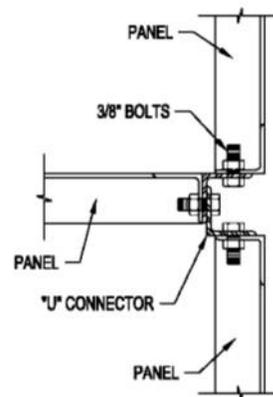
Partition Post Base Anchoring Detail  
 (3/8" Diameter Expansion Anchors for Concrete Shown)



90° Corner Connection  
 (Locking Keys Shown)



Partition Post to Panel Connection Detail  
 (Locking Keys Shown)



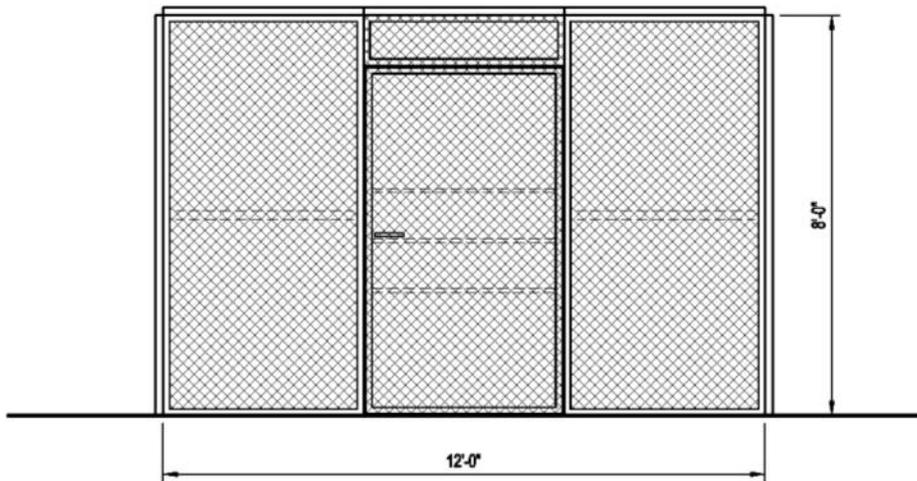
3-Way Panel Connection with U-Channel  
 (3/8" Diameter Bolts Shown)

A basic 12' wide x 12' long x 8' high expanded metal enclosure can be installed in less than an hour using Kelly's patented locking keys.

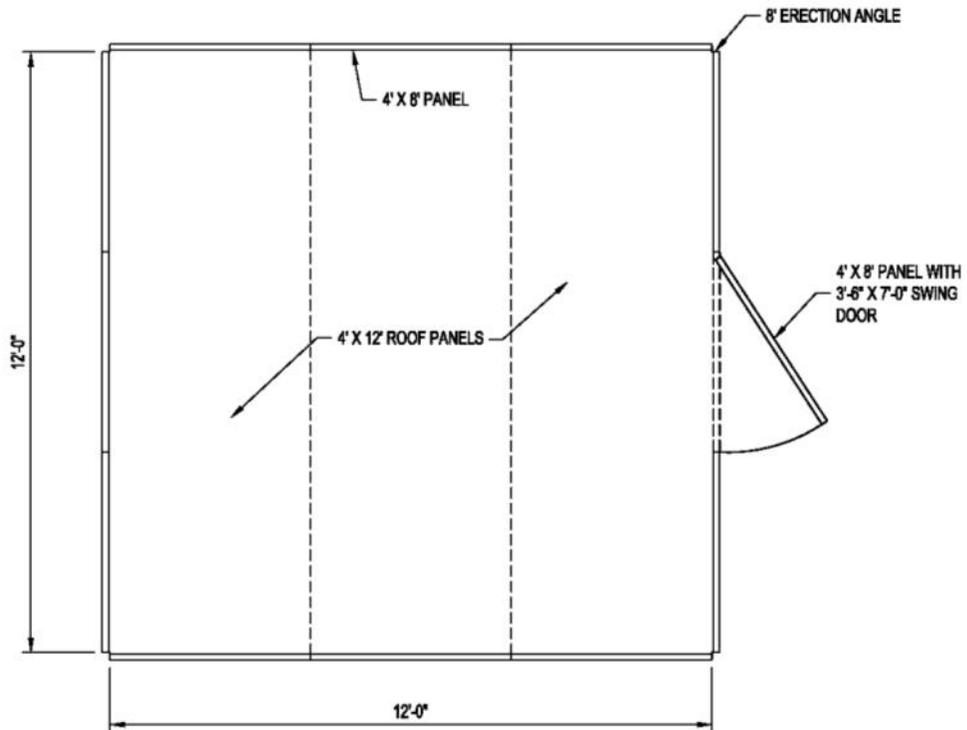
This complete enclosure style can be anchored to an existing base for permanent use or left "floating" for temporary applications.

**Parts List:**

Qty = 11	4' x 8' Expanded Metal Panels
Qty = 1	4x8 Panel w/ 3'-6" x 7' Door
Qty = 3	4' x 12' Expanded Metal Panels
Qty = 6	4' Erection Angle
Qty = 4	8' Erection Angle
Qty = 2	12' Erection Angle
Qty = 124	Locking Keys



Front Elevation



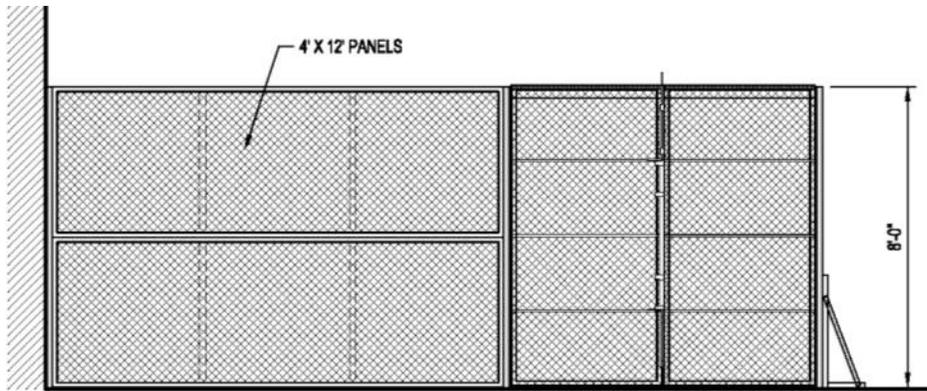
Plan View

Kelly Klosure Expanded Metal panels can be installed with partition posts to create an enclosure or wall system with no roof or upper supports.

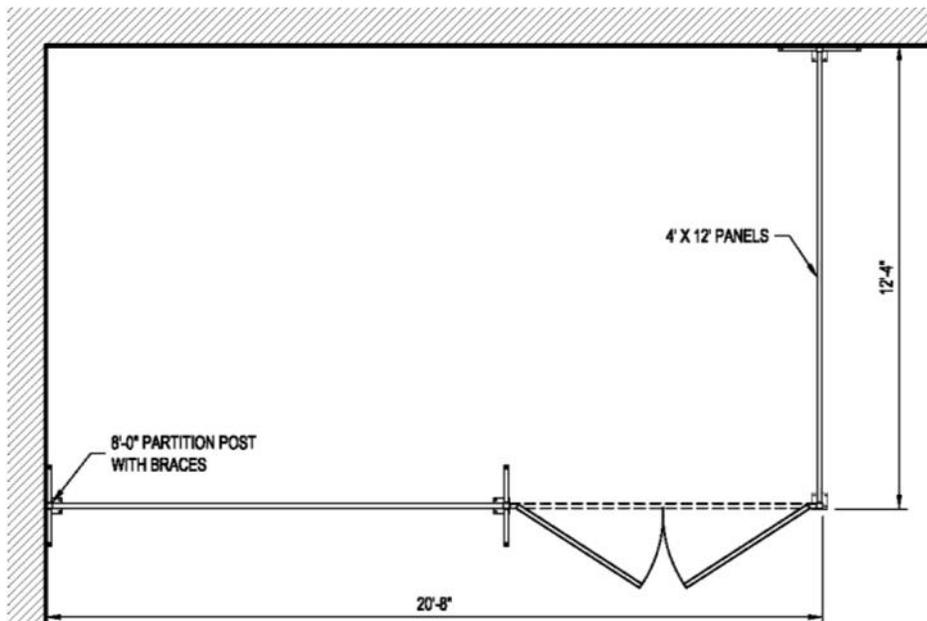
The 12' wide x 20' Long x 8' High 'L'-shaped enclosure below includes an 8' Wide x 7'-6" high double swing door. Partition post braces are used so anchoring to the floor or existing walls is not required. Wall system standard heights are 12' high or 8' high

**Parts List:**

Qty = 1	8' Wide x 7'-6" Swing Door
Qty = 4	4' x 12' Expanded Metal Panels
Qty = 4	8' Partition Post
Qty = 3	Pairs - Partition Post Braces w/ Leveling Bolts
Qty = 40	Locking Keys



Front Elevation



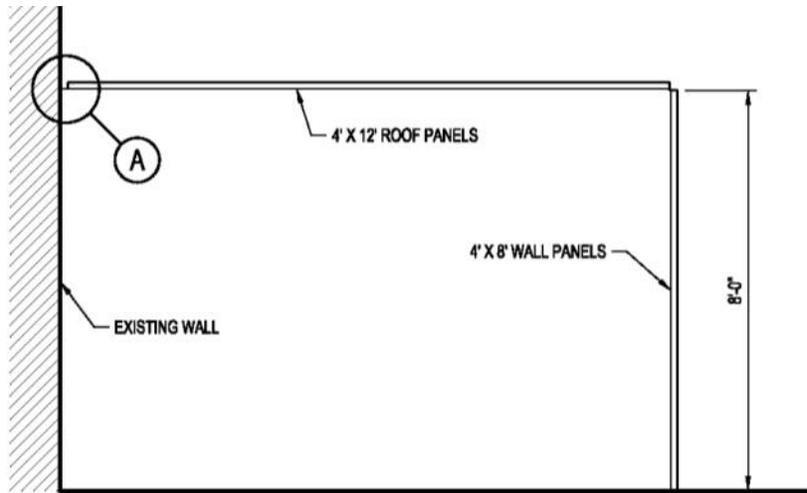
Plan View

Kelly Klosure Expanded Metal panels can be installed against existing walls or structures to create complete enclosures.

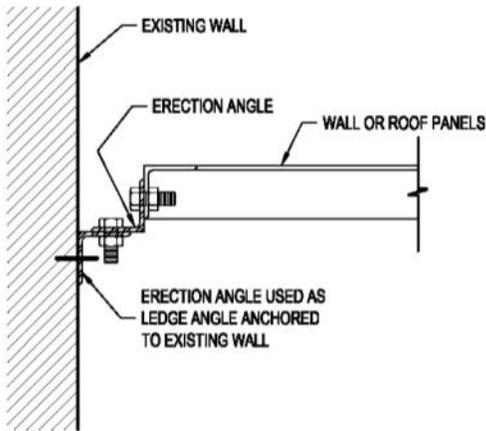
This 12'W x 12'L x 8'H cage with roof is installed in an existing building corner. The two ends of the walls and one end of the roof are anchored to the existing walls to stabilize the structure. Bolts are shown as the connecting hardware on this unit.

**Parts List:**

Qty = 5	4' x 8' Expanded Metal Panels
Qty = 1	4x8 Panel w/ 3'-6" x 7' Door
Qty = 3	4' x 12' Expanded Metal Panels
Qty = 9	4' Erection Angle
Qty = 5	8' Erection Angle
Qty = 1	12' Erection Angle
Qty = 72	3/8" Bolts w/ Nuts

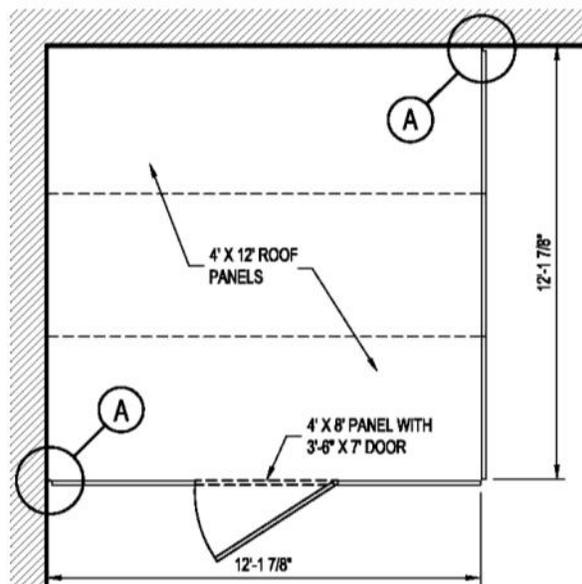


Cross-Section



Detail 'A'

Panels to Existing Wall Connection



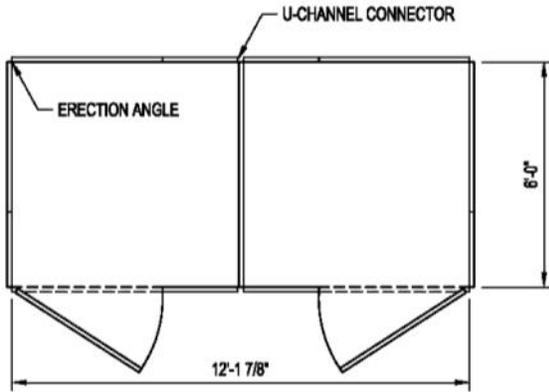
Plan View

Kelly Klosure Expanded Metal panels can be used to create high-security applications such as temporary holding cells.

This 6'W x 8'H x 12'L two-cell holding cell enclosure has a solid dividing wall to separate the two cells and upgraded door hardware to prevent escape.

**Parts List:**

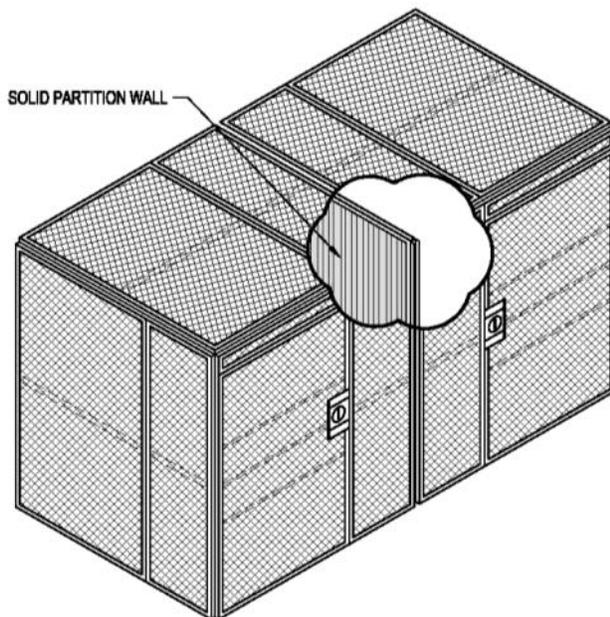
Qty = 4	4' x 8' Expanded Metal Panels
Qty = 6	2' x 8' Expanded Metal Panels
Qty = 2	4x8 Panel w/ 3'-6" x 7' Door w/ Double Keyed Deadbolt
Qty = 2	4' x 6' Expanded Metal Panels
Qty = 2	2' x 6' Expanded Metal Panels
Qty = 1	6' x 8' Solid Sheeted Partition Wall
Qty = 6	6' Erection Angles
Qty = 4	8' Erection Angles
Qty = 1	6' U-Channel Connectors
Qty = 2	8' U-Channel Connectors
Qty = 146	3/8" Diameter Bolts



Plan View



Doors Upgraded with Double Keyed Deadbolts for Higher Security



3-D View



Two Cell Holding Cell Enclosure

Kelly Klosure's Expanded Metal Partition System is easy to assembly with no heavy equipment required.

Three people can assemble the 12'W x 12'L x 8'H enclosure with sweep space shown in less than one hour using Kelly Klosure's patented Locking Keys.



Roof Panels Placed onto Wall Panels



Lower Panels Moved Into Place By Hand



Finished Enclosure with 3'-6" x 7' Personnel Door



Upper Panels Stacked Onto Lower Panels