HUSKY
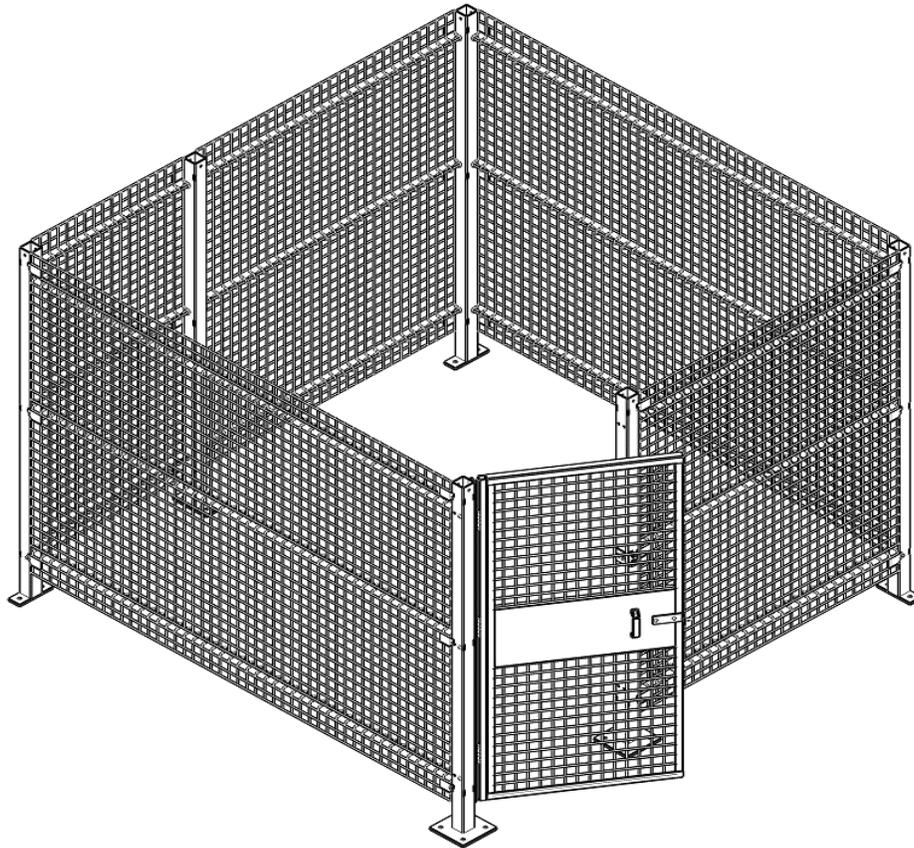## RACK & WIRE™

Tools Needed for Installation

- Level
- Hammer Drill
- 1/2" Masonry Bit
- Tape Measure
- Step Ladder

- Socket Wrench
- Socket Wrench Extension
- 7/16" Socket
- 1/2" Socket
- 3/4" Socket

- Hammer
- Safety Glasses
- Pencil or Chalk Line
- Shop Vacuum Cleaner
- Work Gloves

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huskyrackandwire.com

Table of Contents

Introduction

This guide provides information on safe and proper installation of Husky Rack & Wire (Husky) Velox products. The installation drawings that follow are intended as basic guides to installation of standard Velox components. Additional information and videos can be found on our website at www.getvelox.com. Velox machine/perimeter guarding is intended to be used as a part of a larger security and safety system. Failure to properly install, use and maintain Velox products can result in loss of use, collapse, property damage, personal injury or death.

We recommend installation be performed by qualified individuals with experience in the proper assembly of security products and knowledge of industry and government standards and guidelines. All users should carefully read these instructions in their entirety and ensure that all members of the installation team wear a hardhat, hard-toe boots and gloves without cuffs during installation.

Warnings

- The Velox structure must be installed in a plumb, level, and square condition. Floor shims should be utilized as needed to ensure a level installation. The area where material is to be installed should be free of all obstructions.

- If unstable during installation, temporary bracing may be necessary until the product is completely assembled.

- Do not intermingle new and existing/used parts, and do not combine with products made by other manufacturers.

- Do not substitute any parts or hardware not approved by Husky.

- Do not install damaged or compromised Velox components.

- Do not install Velox products outdoors, unless specifically designed for outdoor use.

- **Never** stand, walk or climb on Velox products, during or after assembly.

- Do not place items on top of the structure.

- Velox products do not include lockout/tagout/interlock devices or other locking components. For installation, use and maintenance of such components, see the manufacturers' instructions.

PROPER ASSEMBLY IS THE RESPONSIBILITY OF THE OWNER AND IS NOT COVERED BY ANY WARRANTY OF HUSKY. HUSKY DISCLAIMS ALL LIABILITY WITH RESPECT TO INSTALLATION OF ITS PRODUCTS.
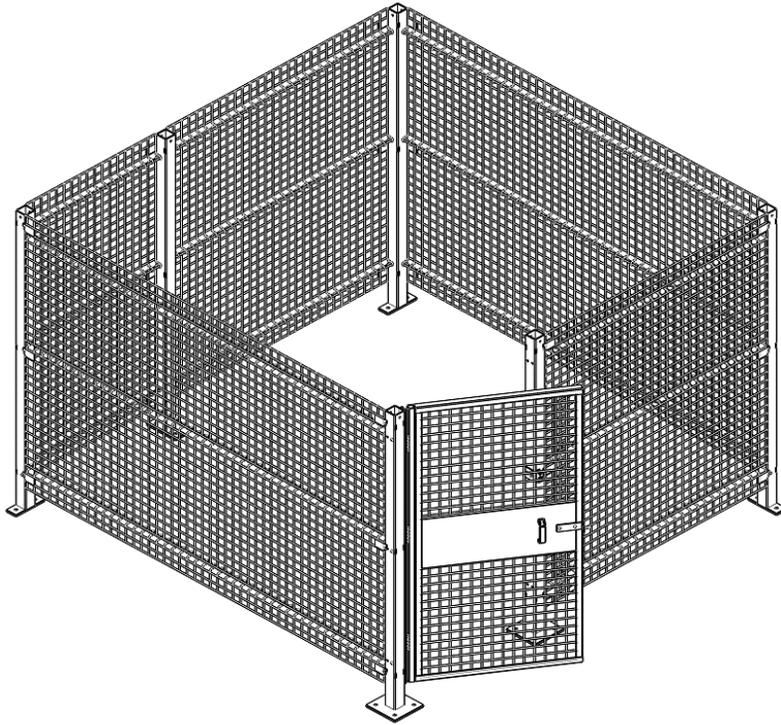
Inspection and Maintenance

Once installed, the owner should ensure that monthly inspections are performed and that Velox products are properly maintained in accordance with industry practice.
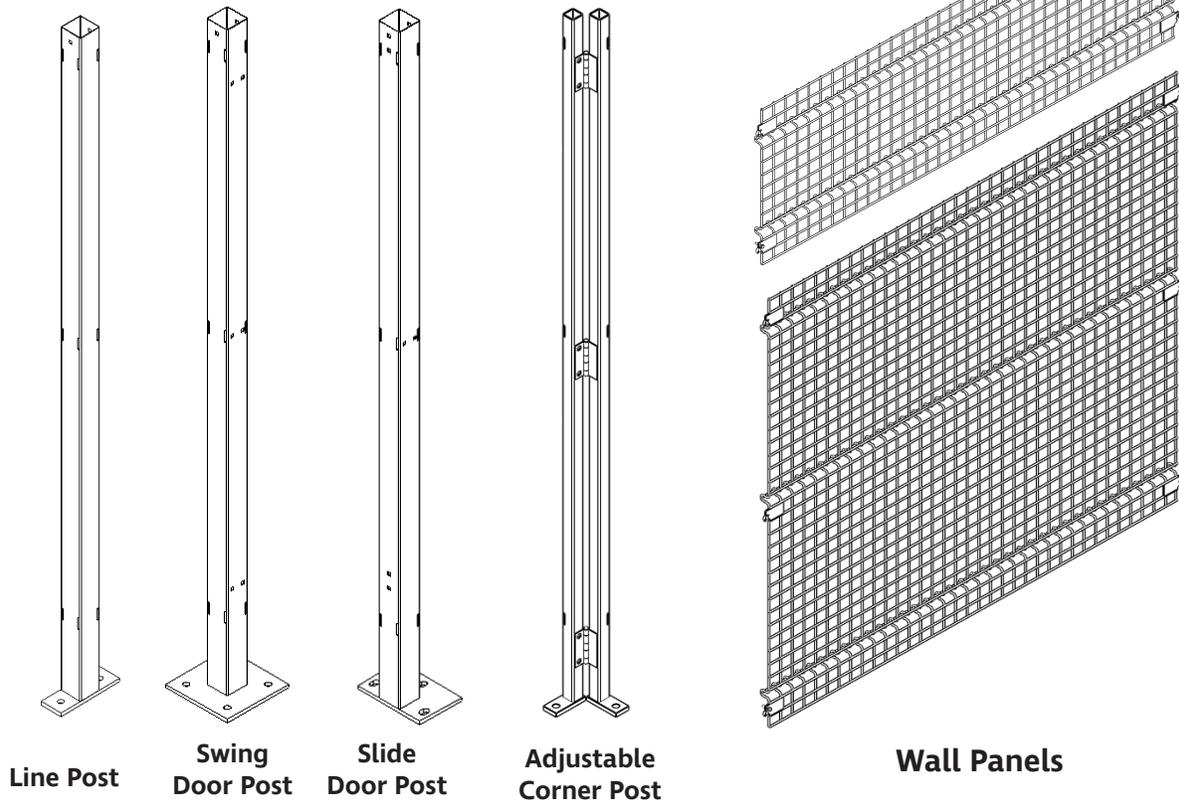
www.getvelox.com

Overview Layout Example

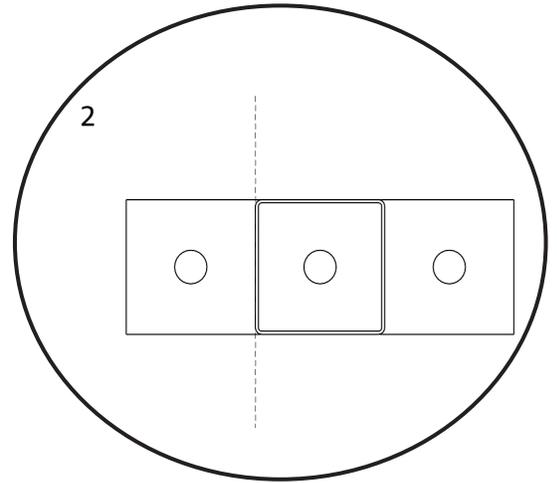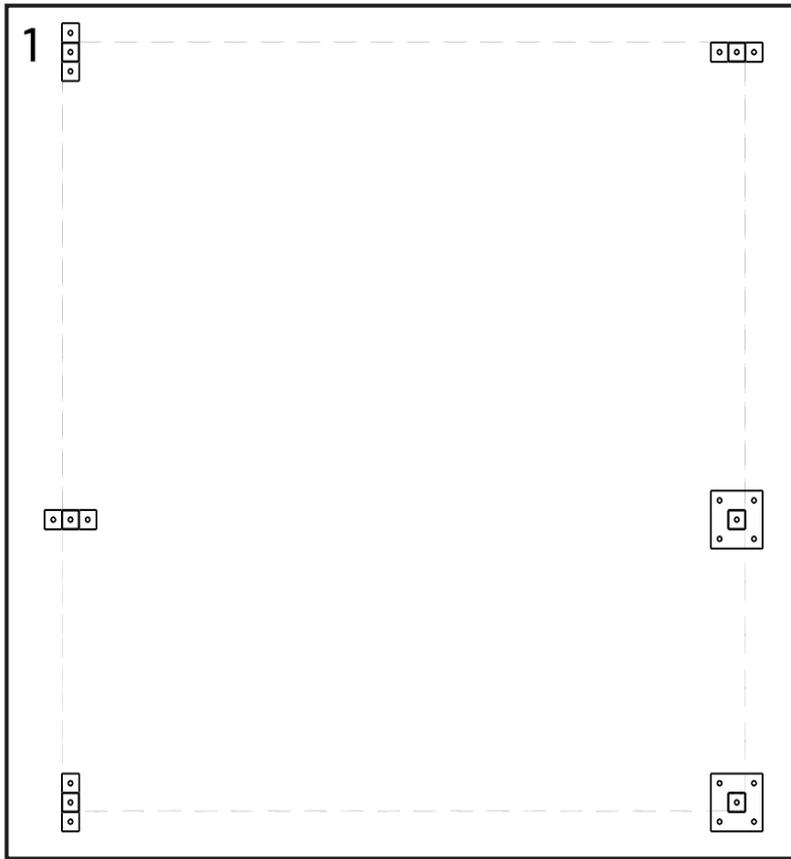## Post and Wall Panels

| Line Post | Swing Door Post | Slide Door Post | Adjustable Corner Post | Wall Panels |

Mark area for line post installation. Place line post edge to **inside** of marked area.
Posts installed for door opening need to be nominal minus 1-3/4".

Place post into position on marked line. Drill two holes (at opposite sides of post base) for first post. Using a hammer, install two floor anchors. **Hand-tighten** nut and washer to secure anchor. Using a level, check that first post is plumb. Add shims to level if needed. **Fully tighten** anchor nuts. Place next post into position on marked line. **IMPORTANT:** Do not anchor additional posts (after the first post is anchored) until the entire cage is assembled so that adjustments can be made to ensure that the cage is square.
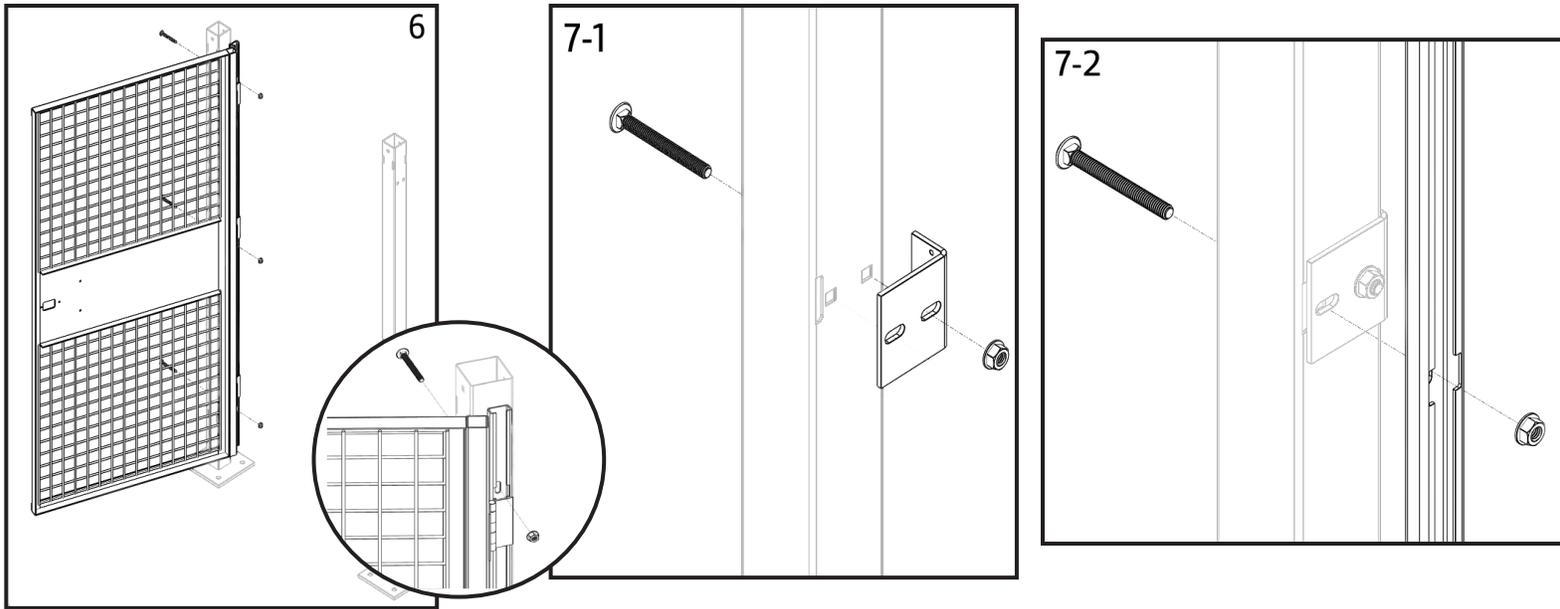
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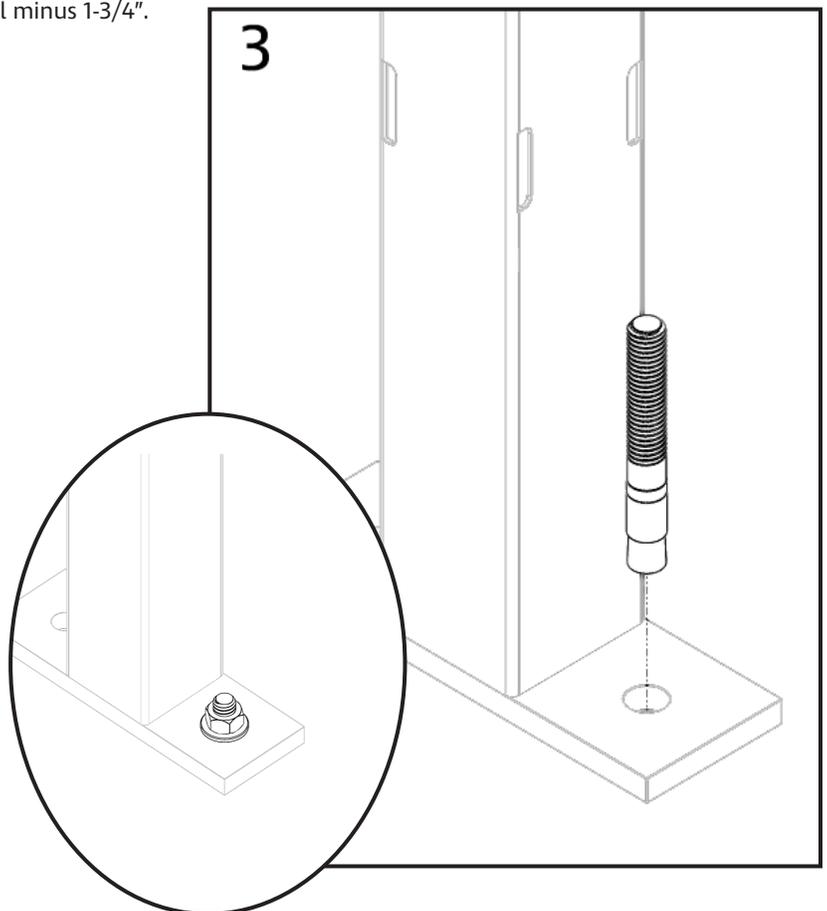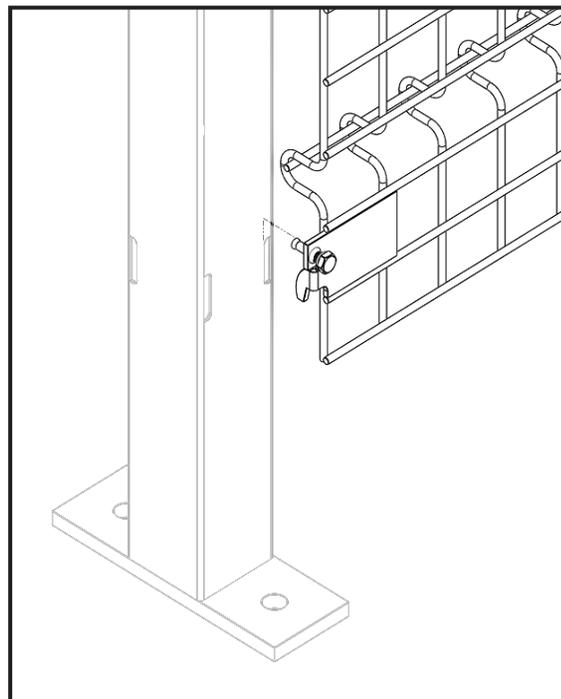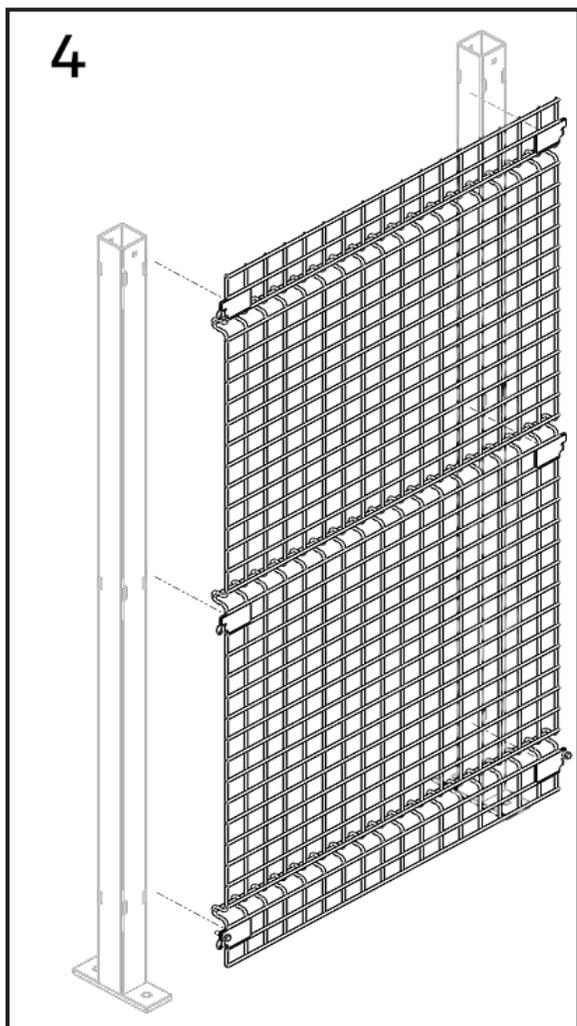
Loosen the chalice bolts at the bottom of the panel prior to installation. On the **outside** of the posts, install the first wall panel. Insert all clip hooks on the panel into the post slots then slide panel down to engage hooks.

Once panel is hung on the posts, tighten the chalice bolts on bottom of the wall panel. **DO NOT USE POWER TOOL OR OVER-TIGHTEN** as this will **DAMAGE** the chalice bolt, making it unusable.
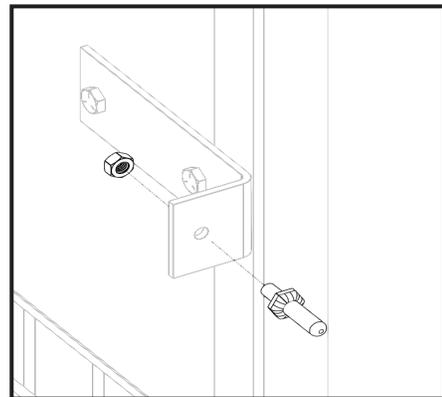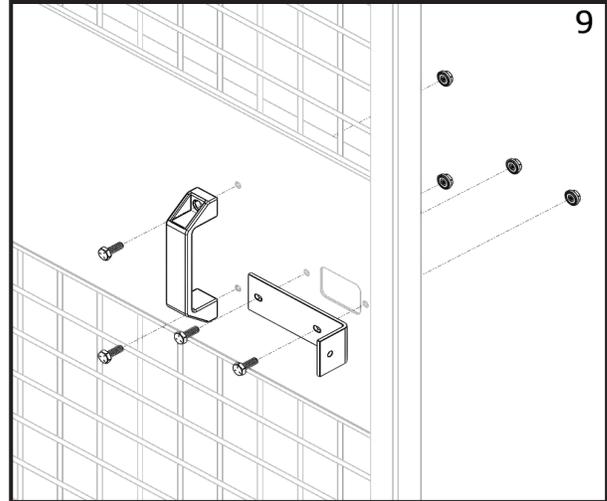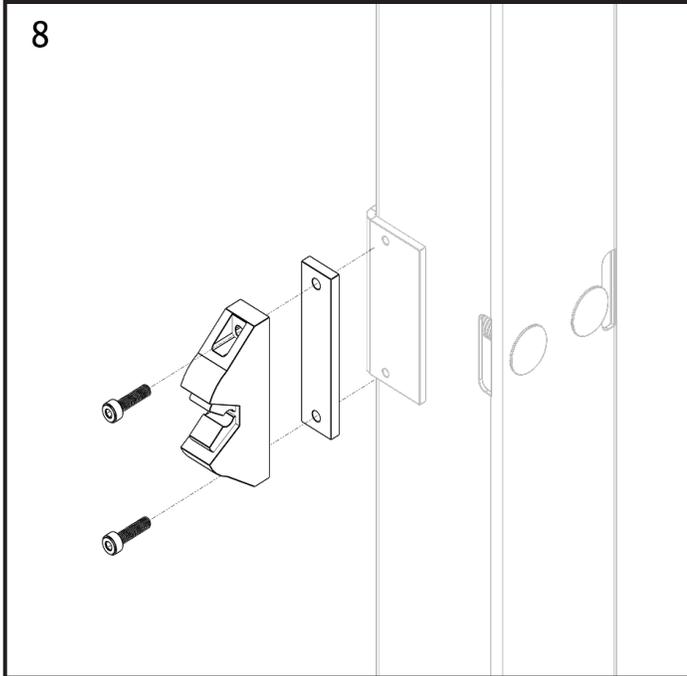
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Place door posts at **Nominal minus 1-3/4"**. Hang door panel using (**3**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**3**) **H5830 - 5/16-18 Hex Flange Nuts**. Install the snap latch receiver bracket as shown in **Picture 7-1** using (**1**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**1**) **H5830 - 5/16-18 Hex Flange Nuts**. Install strike bar over snap latch receiver bracket as shown in **Picture 7-2** using (**3**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**3**) **H5830 - 5/16-18 Hex Flange Nuts**. One bolt will be at the top of the splice bar, one at the bottom, and the center bolt (shown in 7-2) will be common between the strike bar and the snap latch bracket.
NOTE: Snap latch may not be required if using interlock.

Bolt snap latch receiver to the receiver plate as shown in **Picture 8**.
NOTE: Ensure that plastic spacer is behind the snap latch receiver. Bolt the snap latch pin plate and the door handle to the door centerplate as shown in **Picture 9** using (**4**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**4**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Install snap latch pin as shown.
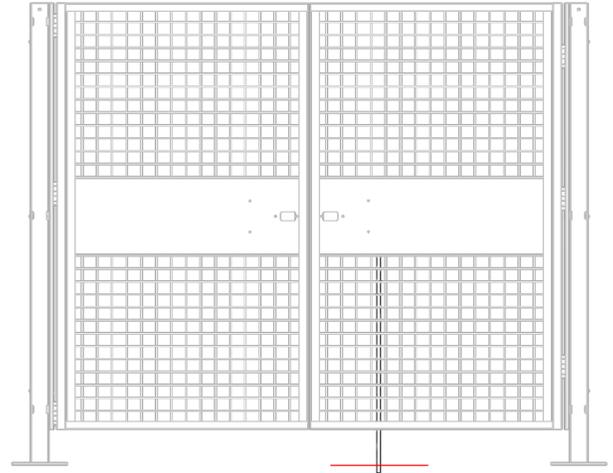
NOTE: If fence is 8' tall, then 1' transom panel will be installed on the top of the posts above the door.
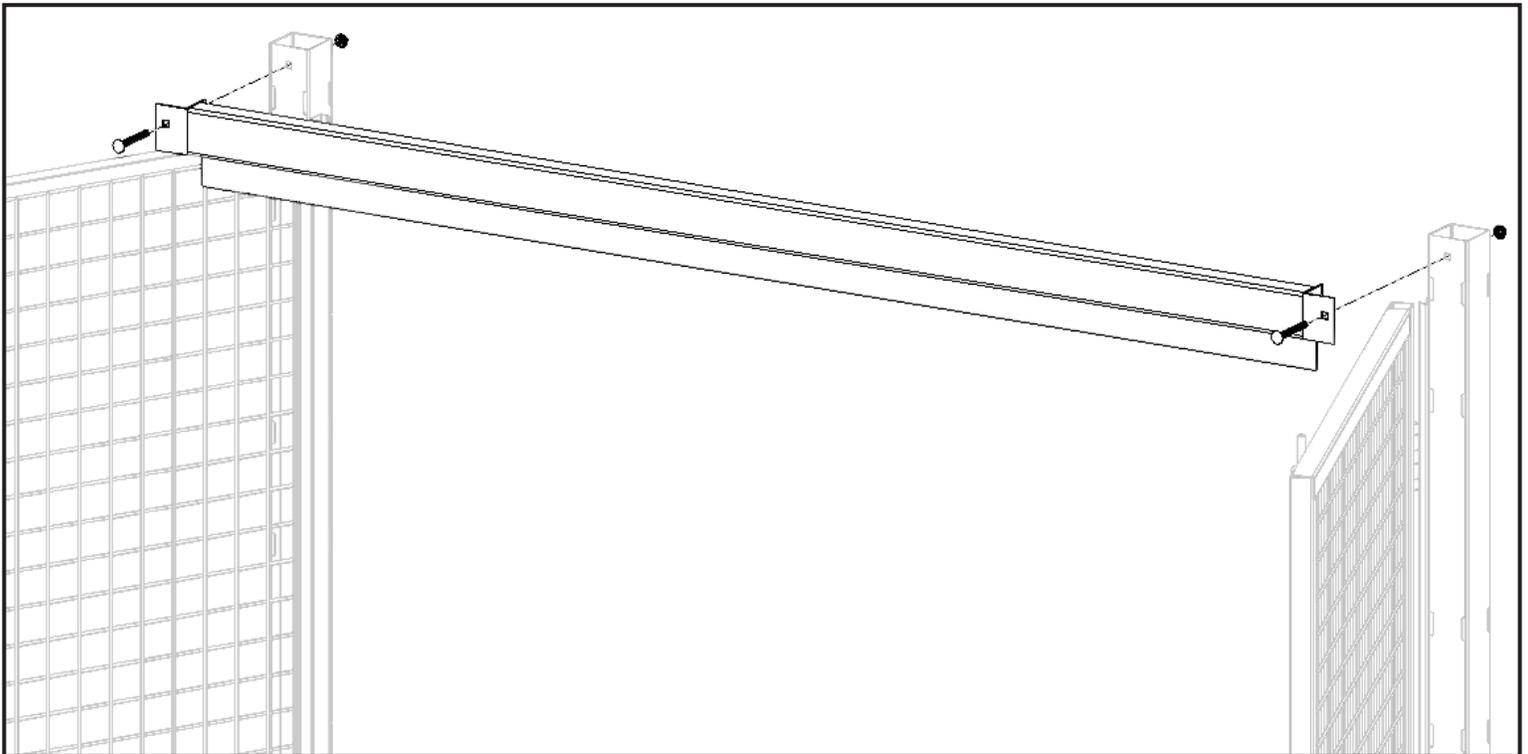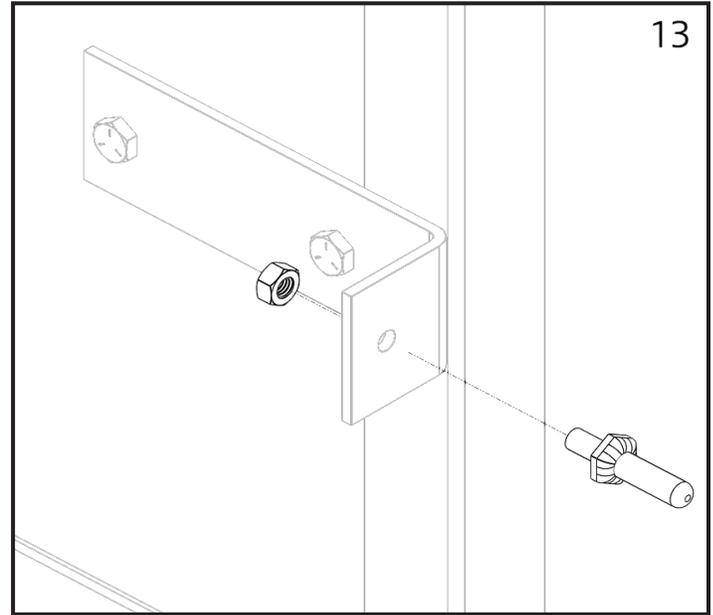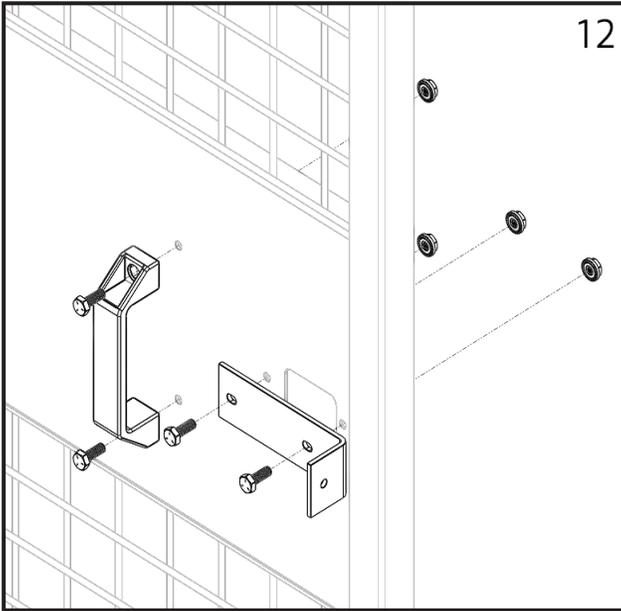
DOUBLE SWING DOOR INSTALLATION
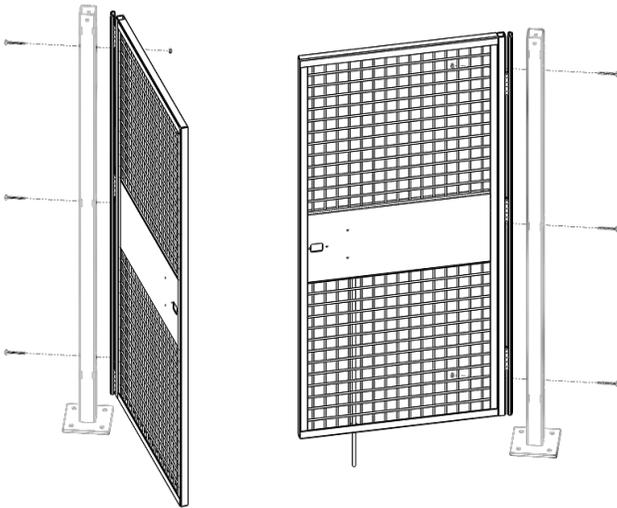
Place door posts at **Nominal minus 1-3/4"**. Hang first door panel using (**3**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**3**) **H5830 - 5/16-18 Hex Flange Nuts**. Hang the second door panel (**the door panel with the canebolt**) on the right side of the opening using (**3**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**3**) **H5830 - 5/16-18 Hex Flange Nuts**. After the door panels are hung, mark the location of the canebolt and drill a hole.


If door is 8' tall, a header bar will be installed on the top of the posts above the door using (**2**) **H1103 - 5/16-18 x 3-1/2" Carriage Bolts** and (**2**) **H5830 - 5/16-18 Hex Flange Nuts**.

Bolt the snap latch pin plate and the door handle to the door centerplate as shown in **Picture 9** using (**2**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**2**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Install snap latch pin as shown in **Picture 13**.
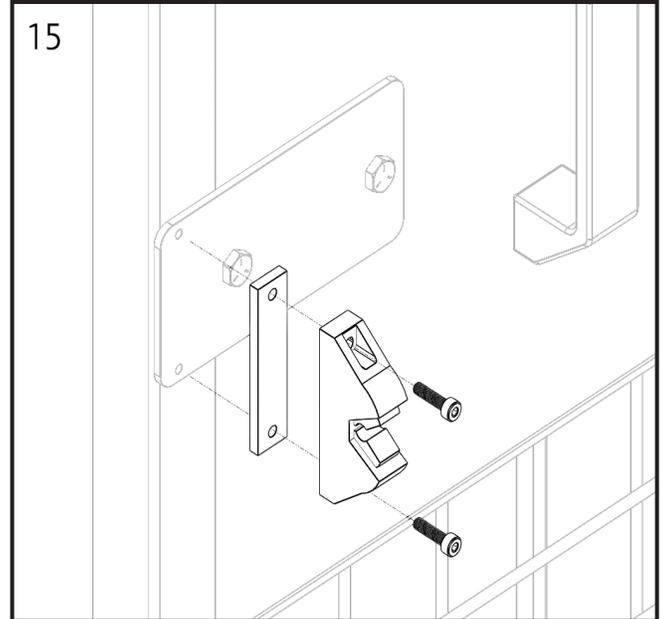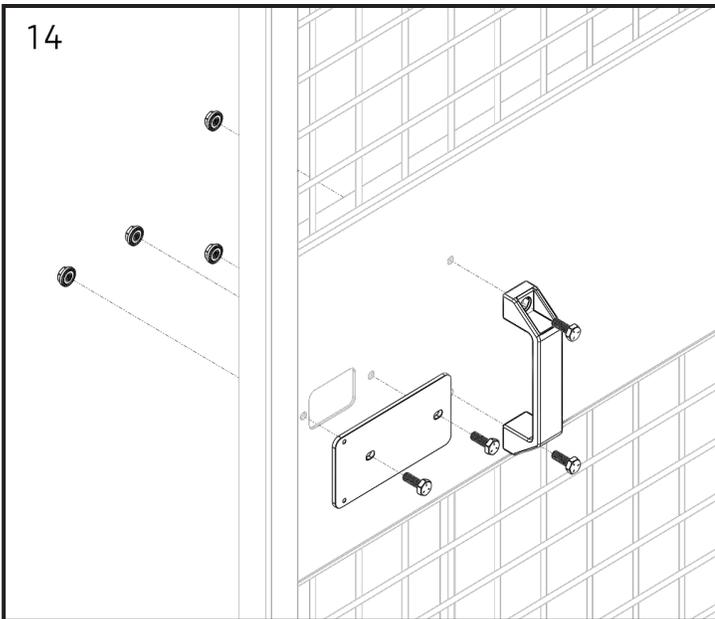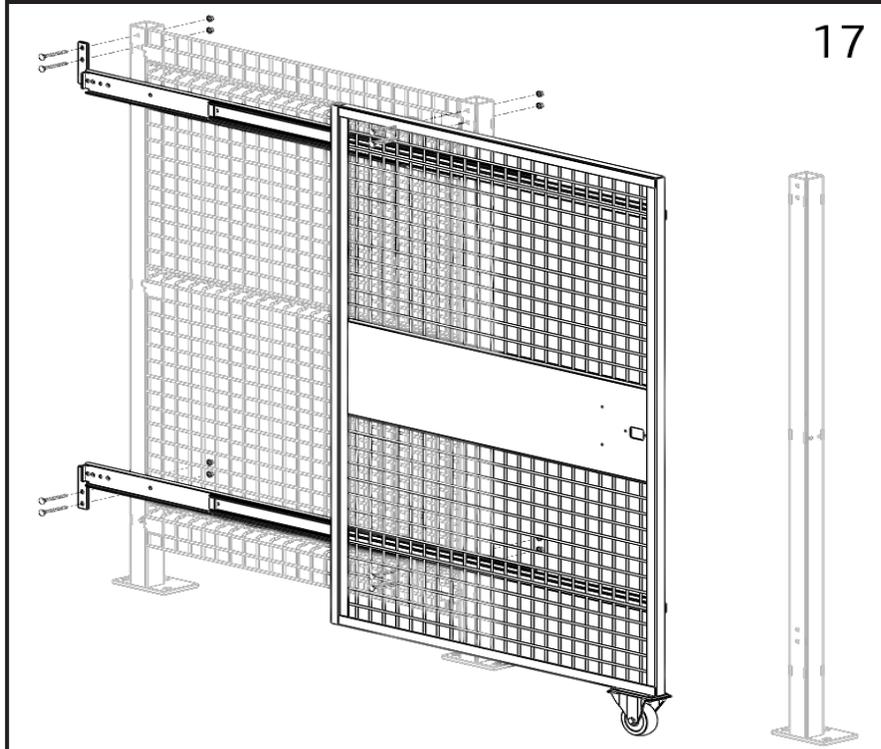

Bolt snap latch receiver plate and the door handle to the center plate of the receiving side door panel as shown in **Picture 14** using (**2**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**2**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Bolt snap latch receiver to the receiver plate as shown in **Picture 15**. **NOTE:** Ensure that plastic spacer is behind the snap latch receiver.
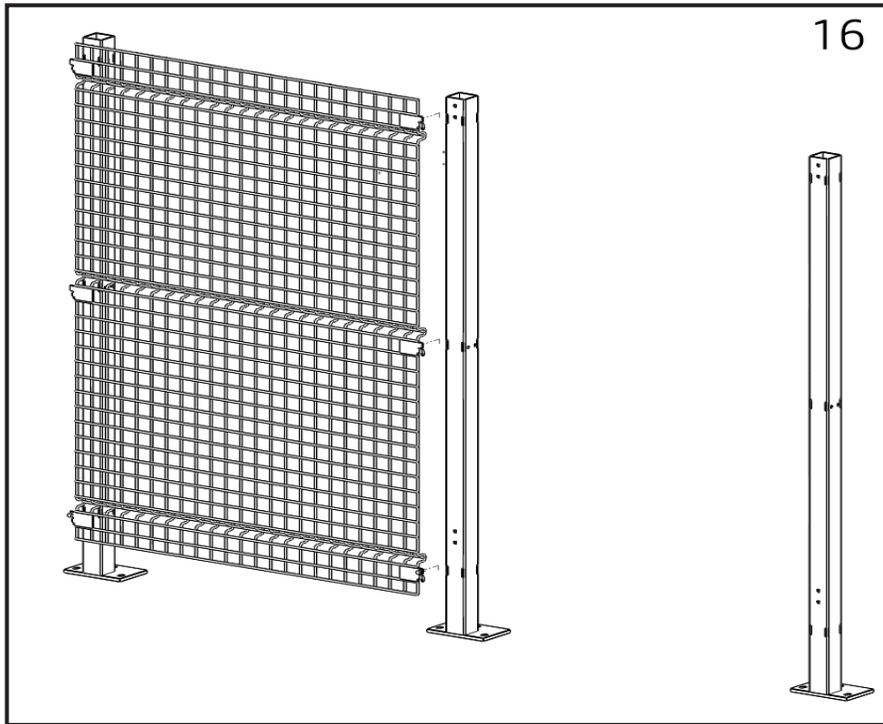
Place slide door posts at **Nominal minus 1-3/4"**. Hang wall panel behind the door opening.

**NOTE:** Slide left to open door is shown in images 16 & 17

Bolt the **H1080 - "L" Shaped Brackets** to the posts as shown in **Picture 17** using (**2**) **H1108 - 5/16-18 x 3" Carriage Bolts** and (**2**) **H5830 - 5/16-18 Hex Flange Nuts** each in (**4**) locations. Door panel with slides, caster, and "L" - Shaped Brackets will be pre-assembled before shipping
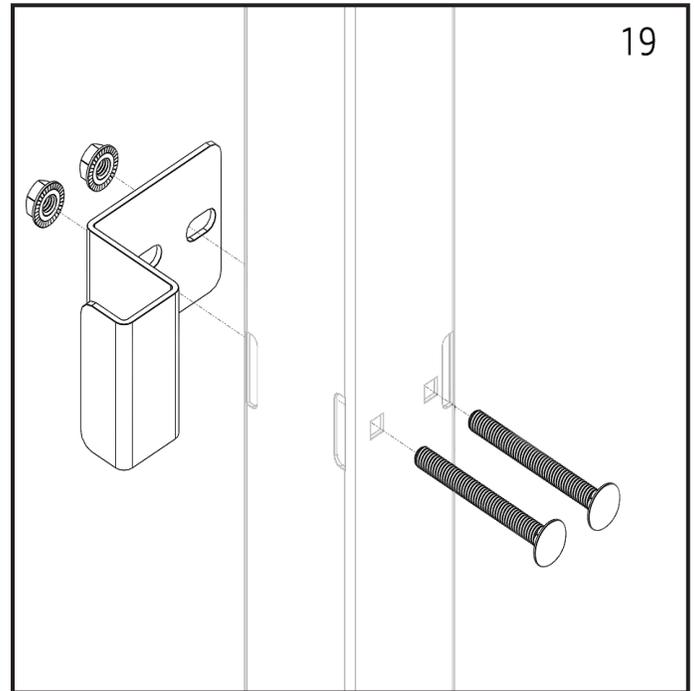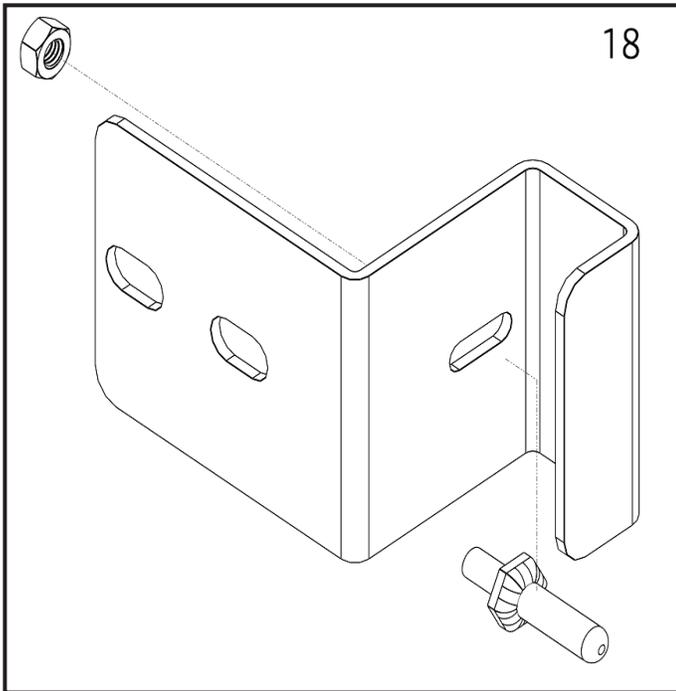
Install the snap latch pin on the snap latch pin bracket as shown in **Picture 18**. Bolt the snap latch pin bracket onto the latch post as shown in **Picture 19** using (**2**) **H1103 - 5/16-18 x 3" Carriage Bolts** and (**2**) **H5830 - 5/16-18 Hex Flange Nuts**.
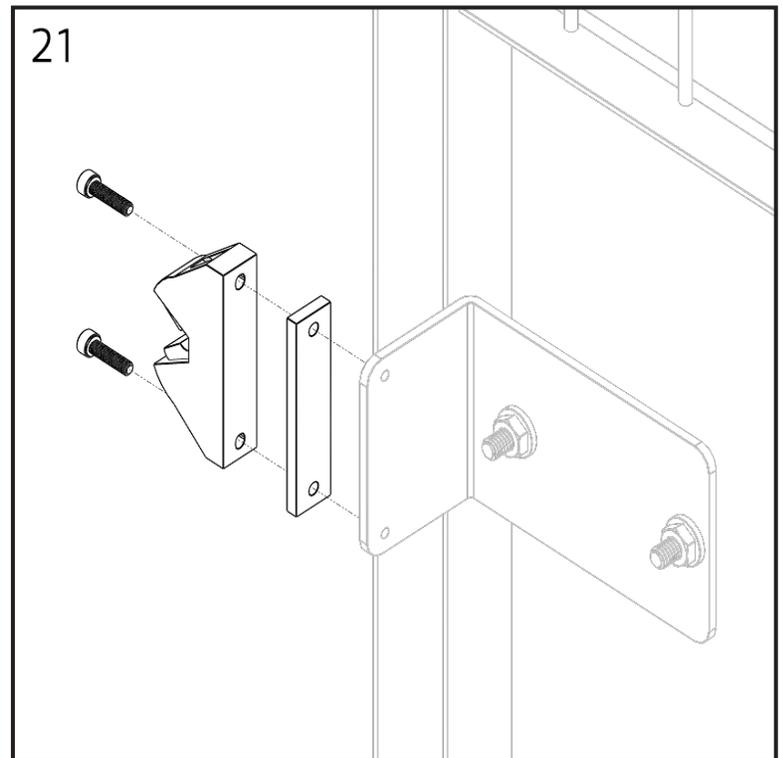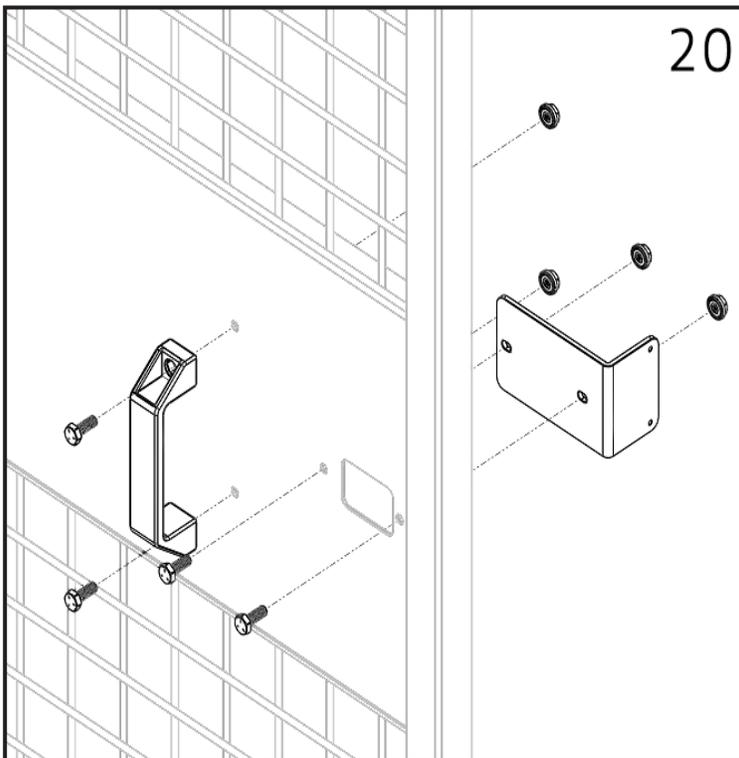
Bolt snap latch receiver plate and the door handle to the center plate of the door panel as shown in **Picture 20** using (**2**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**2**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Bolt snap latch receiver to the receiver plate as shown in **Picture 21**. **NOTE:** Ensure that plastic spacer is behind the snap latch receiver.
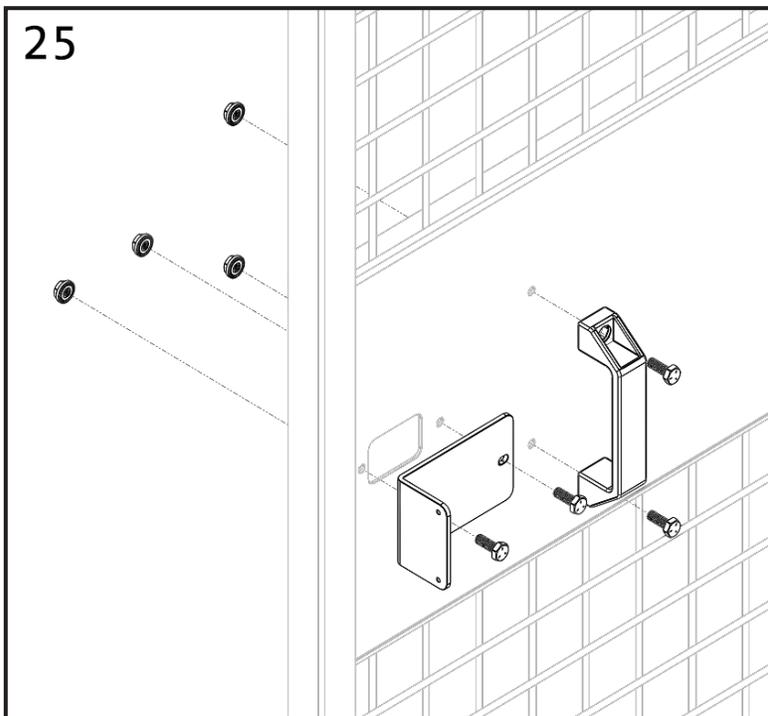
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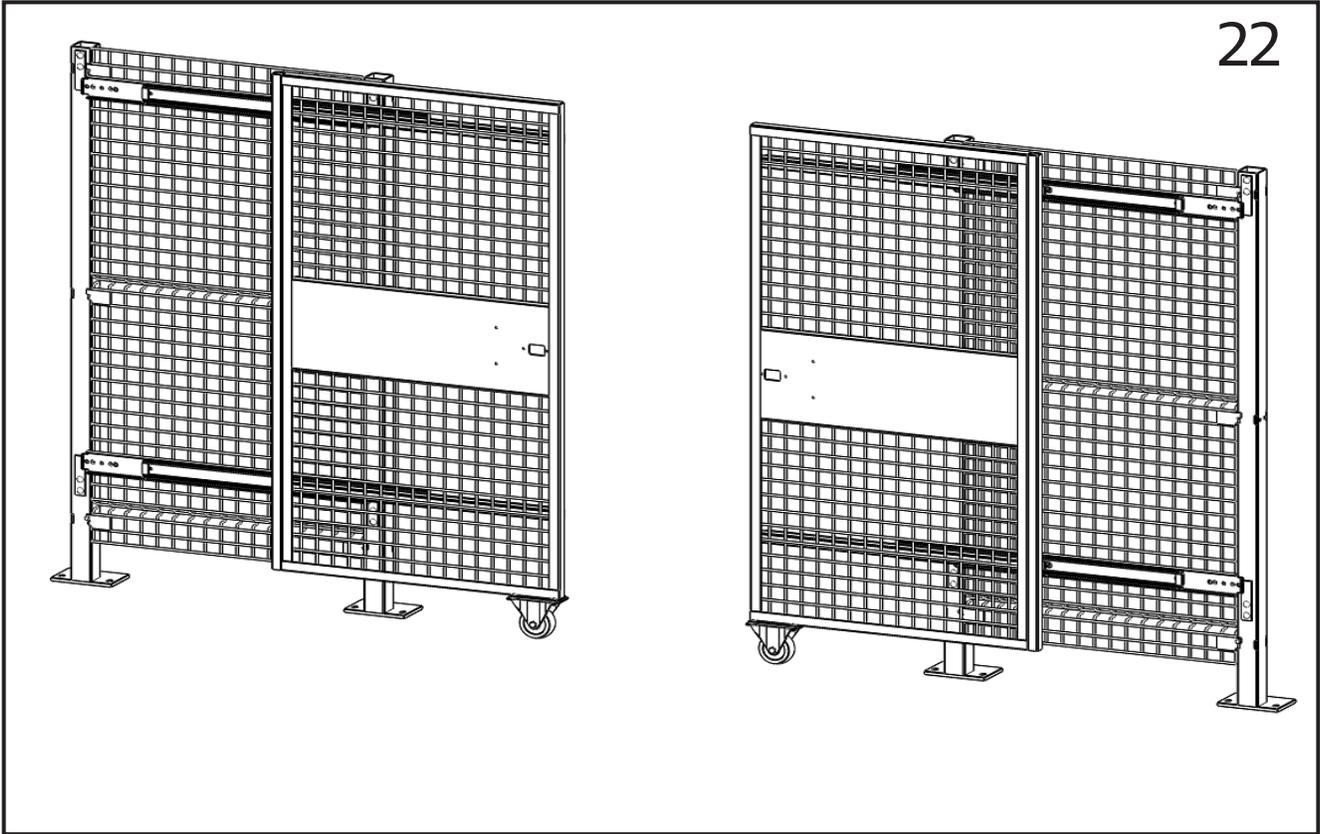
For mounting double slide doors refer to steps on **Page 9** for single slide doors. Once steps are completed, continue to **Page 12**.
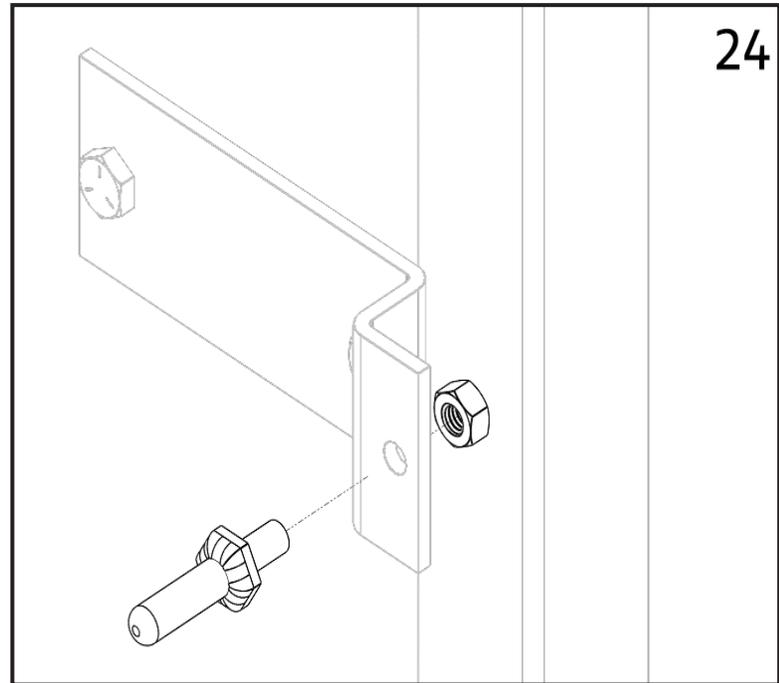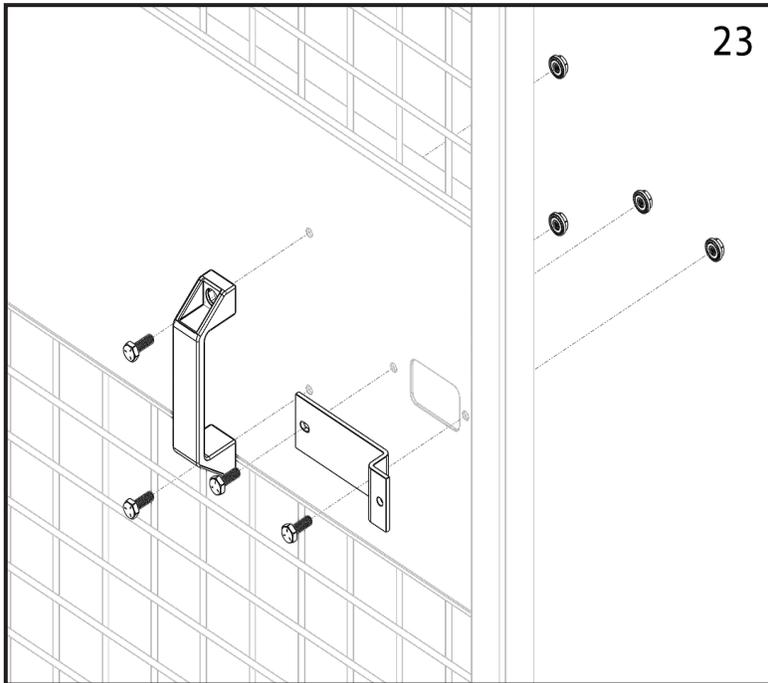
Bolt snap latch pin plate and the door handle to the center plate of the door panel as shown in **Picture 23** using (**2**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**2**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Bolt snap latch pin to the pin plate as shown in **Picture 24**.
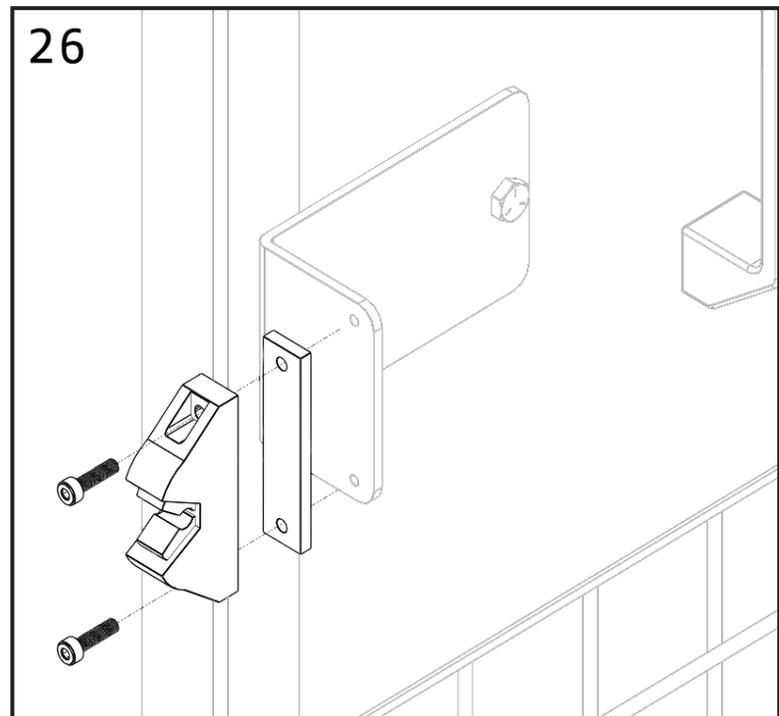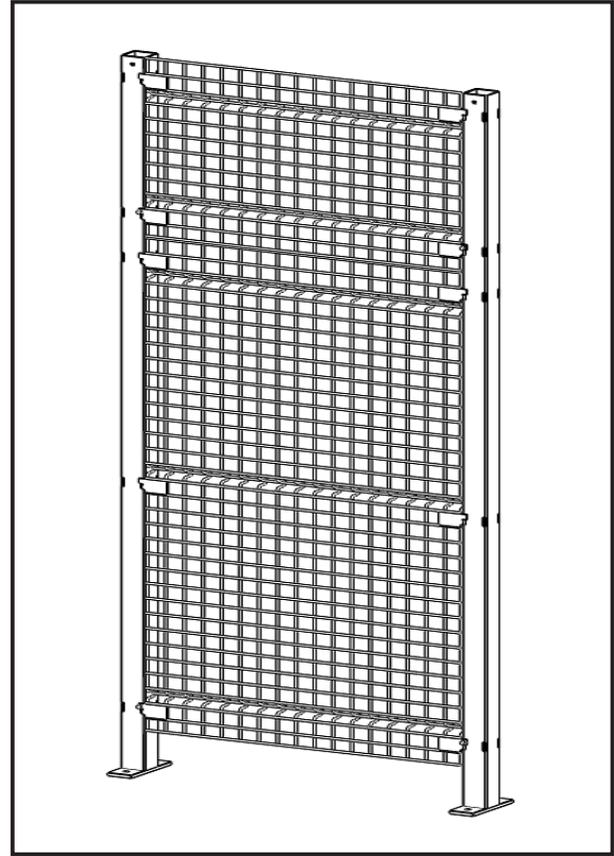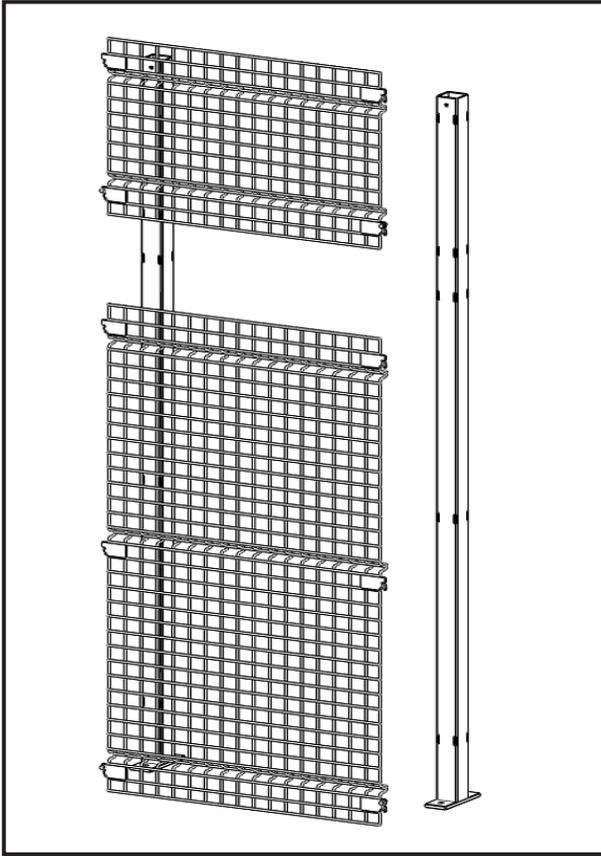

Bolt snap latch receiver plate and the door handle to the center plate of the door panel as shown in **Picture 25** using (**2**) **H5859 - 1/4-20 x 3/4" Hex Head Bolts** and (**2**) **H5849 - 1/4-20 Hex Flange Nuts** for each. Bolt snap latch receiver to the receiver plate as shown in **Picture 26**.

NOTE: Ensure that plastic spacer is behind the snap latch receiver.
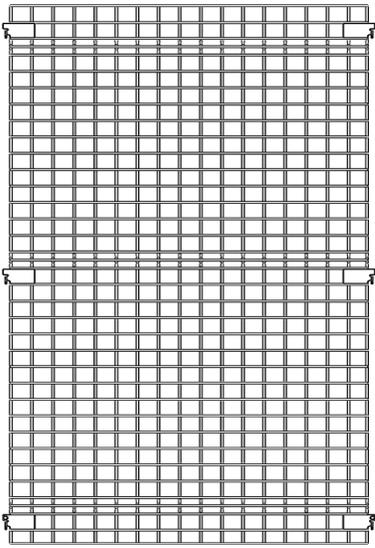
FOR 8' TALL VELOX GUARDING

Set posts at **Nominal minus 1-3/4"** and hang **66" Tall Panel** on the bottom of the posts. Hang the **24" Tall Panel**.
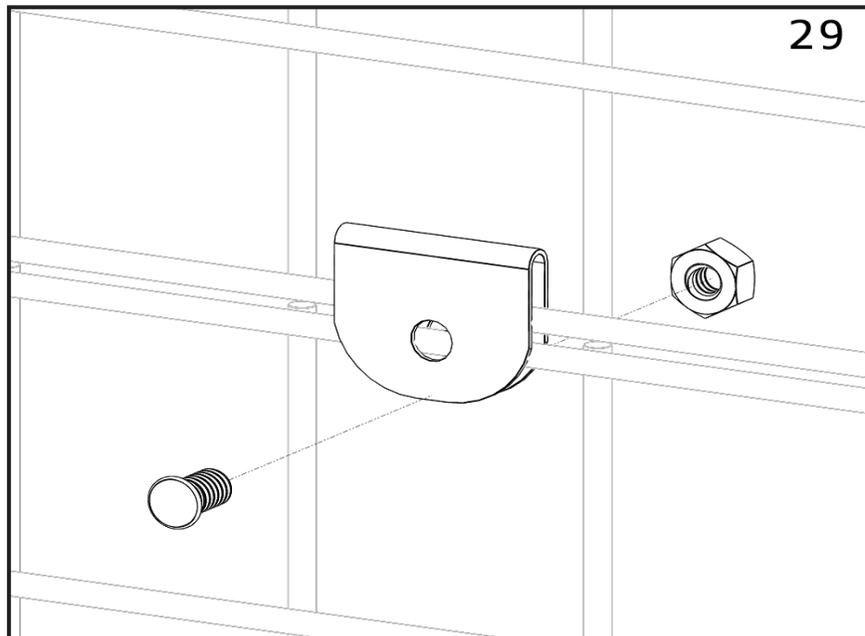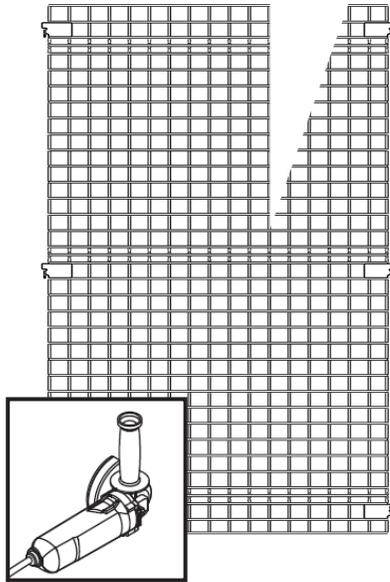

Place **Stack Clip** over the bottom wire of the top panel and the top wire of the bottom panel. Insert **Clinch Stud** from the outside of the guarding and tighten the **Nut** from the inside of the guarding.
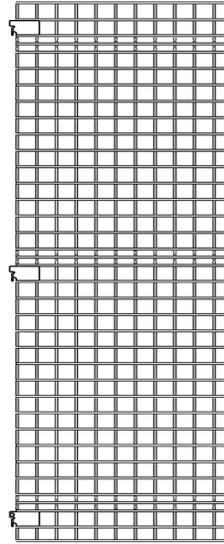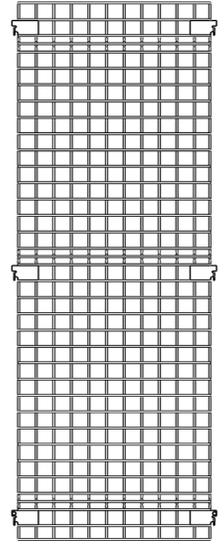
CUT-TO-FIT INSTRUCTIONS

Original size panel
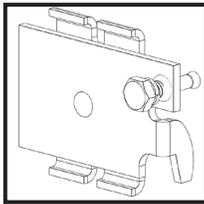
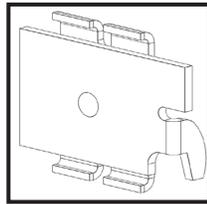Cut panel to desired width with grinder

Modified panel
No clips

Modified panel
with clips attached

NOTE: When working on an 8' high system, cut one side of 66" high panel and the opposite side of the 24" high panel.
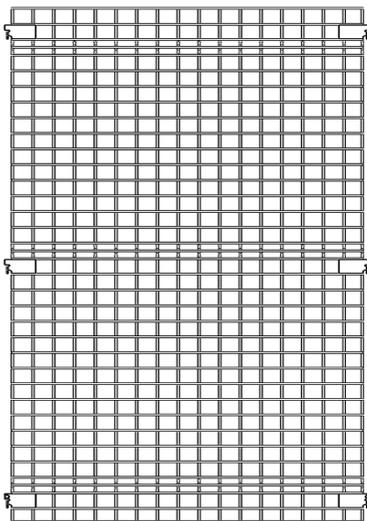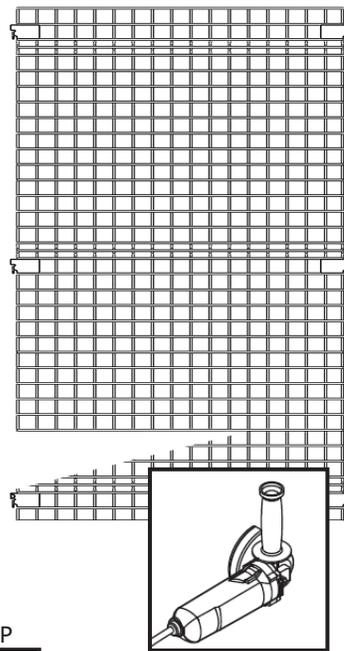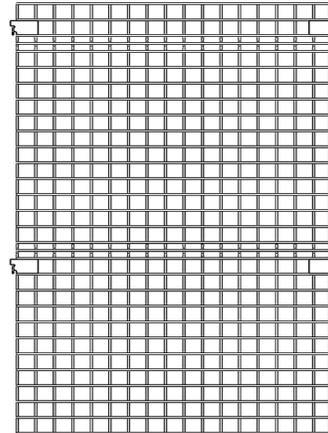
MBRG CLIP

MBRN CLIP

NOTE: Use XGBC for width modification. Secure panel to post retaining factory mounting slots.
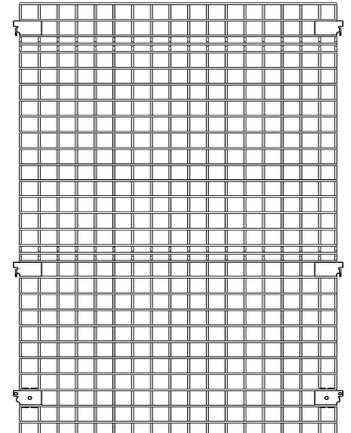
Original size panel

MBRH-NF CLIP

Cut panel to desired width with grinder
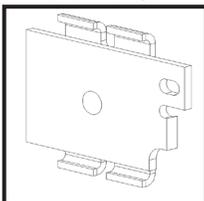
Modified panel
No clips

Modified panel
with clips attached

NOTE: Use XGBC-NF for height modification if needed. Secure panel to post using included self-tapping screws.