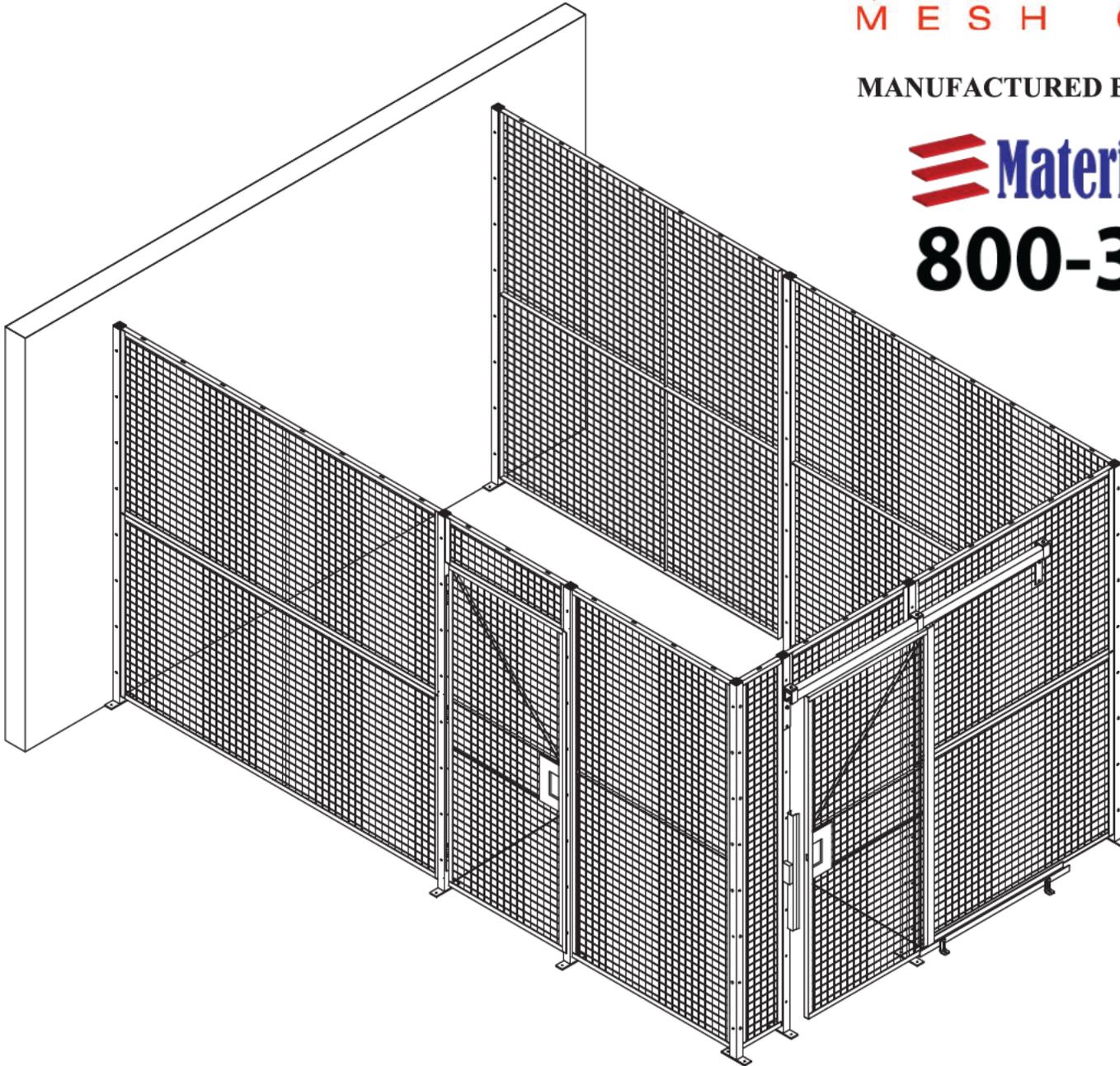


**STANDARD WIRE PARTITION
INSTALLATION DETAILS**



MANUFACTURED BY SPACEGUARD PRODUCTS

 **Material Handling USA**
800-326-4403



GETTING STARTED WITH YOUR BEASTWIRE MESH PARTITIONS

BEFORE YOU BEGIN INSTALLATION YOU MUST:

- **IDENTIFY** this label... contains packing slip
- **INSPECT** for damages before taking delivery
- **INVENTORY** for shortages
- **CONTACT** manufacturer immediately if damages or shortages are present



RECOMMENDED TOOLS:

- Crowbar, tin snips & utility knife
- Tape measure, level, & chalk line
- Ladder(s) & extension cords
- Locking C-clamps & pliers
- Saw w/ blade for cutting metal
- Impact driver w/ SAE deep well sockets
- Hammer drill w/ several new bits, appropriate for flooring
- Screwdriver set
- SAE Allen wrench set
- Rubber mallet

RECOMMENDED MATERIALS (not supplied):

- Steel angle for bracing and filling gaps at walls
- Washers or other materials suitable for leveling units
- Floor anchors, if concrete expansion anchors cannot be used
- Wall anchors, specific to the jobsite
- 2" block/spacer to set sweep space below panels

BeastWire Mesh Partitions

Manufactured by SpaceGuard Products

UNLEASHING BEASTWIRE:

BeastWire Mesh Partitions are designed to use standard components to make materials more affordable, available, and easier to install. Our partitions use all through, carriage bolt connections with hardware on the secure side of the enclosure. Main features:

- **UNIVERSAL POST:** the same post is used for all standard, in-line, door, corner, and 3 & 4-way connections
- **INTRODUCING THE GROWTH PLATE :** 2" roll formed channel to offset post growth in both walls and ceilings to eliminate special panel sizes; also, eliminates sweep space for high security applications
- **FLEXIBLE HINGE DOORS:** our hinge door swings in or out, from the left or right, works with both lock or padlock setups, and keyed locks come with an adjustable slam angle for maximum security

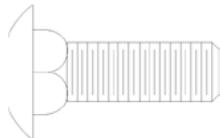
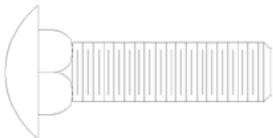
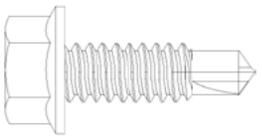
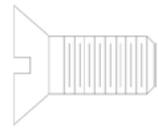
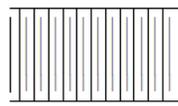
HELPFUL HINTS:

- **AVOID** storing materials outside or exposed to moisture
- **REMEASURE** the space before building your enclosure(s)
- **CHALK** the space in advance to help line up posts
- **PLAN** for overhead obstructions that require cut outs prior to construction
- **BUILD** the entire cage first, and hang your door(s) last
- **ANCHOR** units only after ensuring the system is plumb and level
- **HANG** your door(s) and locking mechanisms
- **PLUG** all remaining holes in posts with black dome plugs provided
- **TOUCH UP** using factory supplied paint; follow directions on can
- **ADMIRE** your work and the fact you purchased a quality product

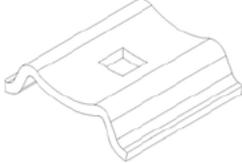
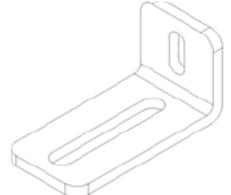
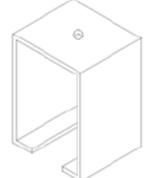
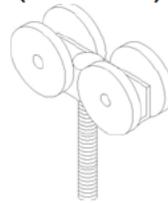
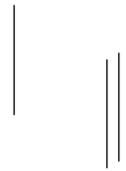
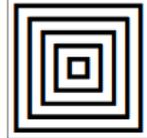
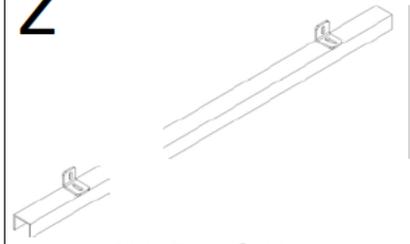
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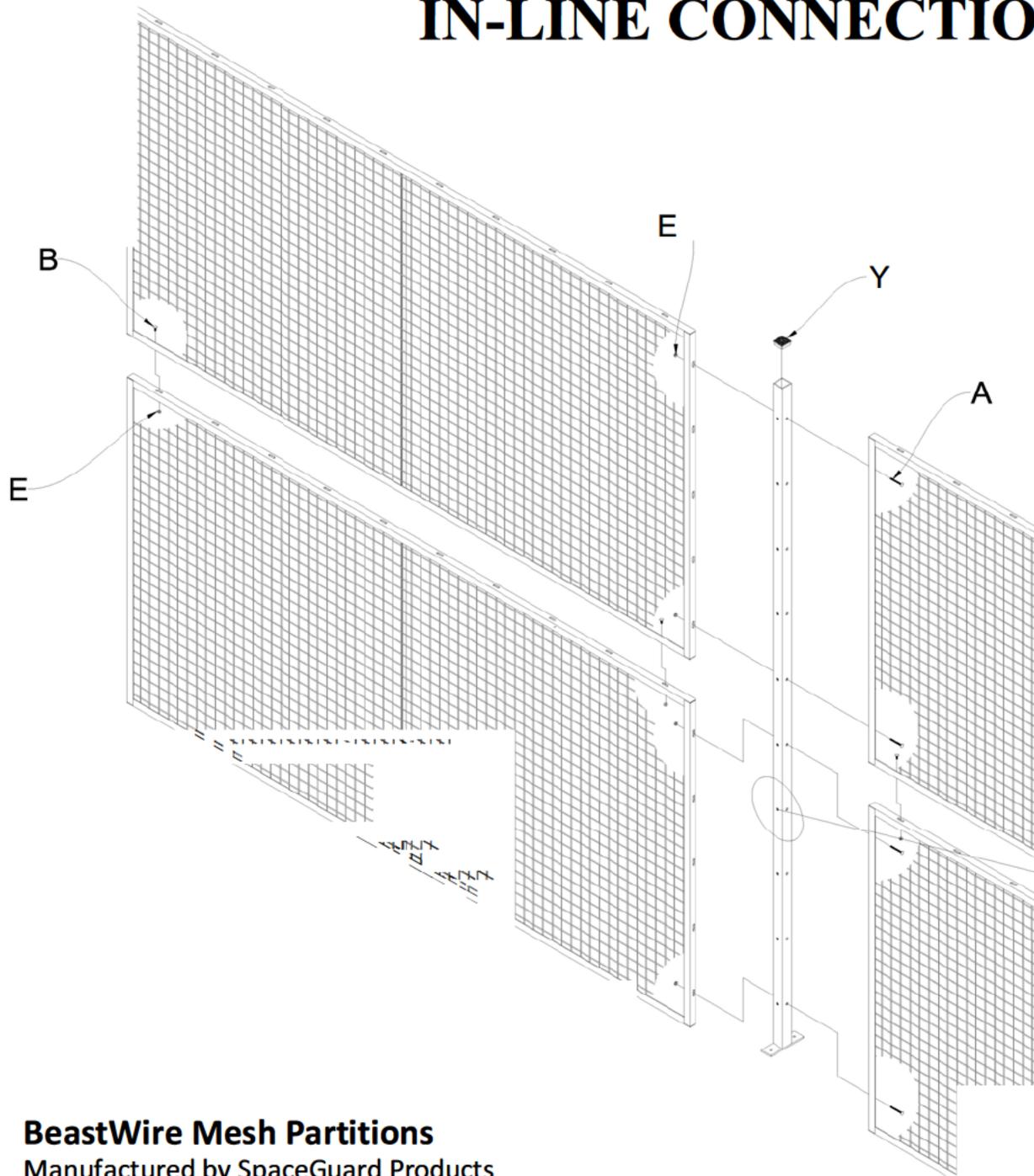
HARDWARE

<p>A</p>  <p>Carriage Bolt 5/16" X 2-3/4"</p>	<p>B</p>  <p>Carriage Bolt 5/16" X 1"</p>	<p>C</p>  <p>Carriage Bolt 5/16" X 1-1/4"</p>	<p>D</p>  <p>Hex Head Bolt 5/16" X 1"</p>	
 <p>Flanged Hex Nut 5/16"</p>	<p>F</p>  <p>Flanged Hex Nut 1/4"</p>	<p>G</p>  <p>Self Tapping Screw 5/16" X 1"</p>	<p>H</p>  <p>Flat Head Screw 1/4" X 3/4"</p>	 <p>Carriage Bolt 1/2" X 1 1/4"</p>
 <p>Flat Washer 1/2"</p>	<p>K</p>  <p>Hex Nut 1/2"</p>	<p>L</p>  <p>5/16" Angle Bolt</p>	<p>M</p>  <p>Flat Washer 5/16"</p>	

HARDWARE

<p>N (Not to scale)</p>  <p>Padlock Receiver</p>	<p>O (Not to scale)</p>  <p>Padlock Lug</p>	<p>P (Not to scale)</p>  <p>Shelf Support Bracket</p>	<p>Q (Not to scale)</p>  <p>Track Clamp</p>
<p>R (Not to scale)</p>  <p>1-1/2" X 2" Angle Bracket</p>	<p>S (Not to scale)</p>  <p>1-1/2" X 3" Angle Bracket</p>	<p>T (Not to scale)</p>  <p>Track Bracket</p>	<p>U (Not to scale)</p>  <p>4 Wheel Trolley</p>
<p>W</p>  <p>5/16" Dome Plug</p>		<p>X (Not to scale)</p>  <p>2" Square Washer</p>	<p>Y (Not to scale)</p>  <p>2" Post Cap</p>
<p>Z</p>  <p>Slide Door Guide</p>			

IN-LINE CONNECTIONS



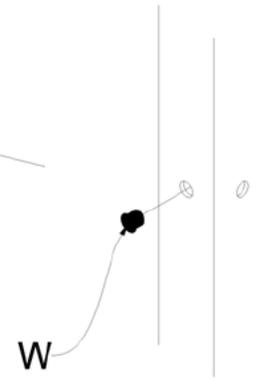
Important If Growth plates are being utilized to eliminate factory set 2" sweep space, proceed to page 23 before doing tightening any hardware. If not included with your order, continue on.

1. Bolt panel to panel through post using A & E. Only 2 bolts per panel are provided.

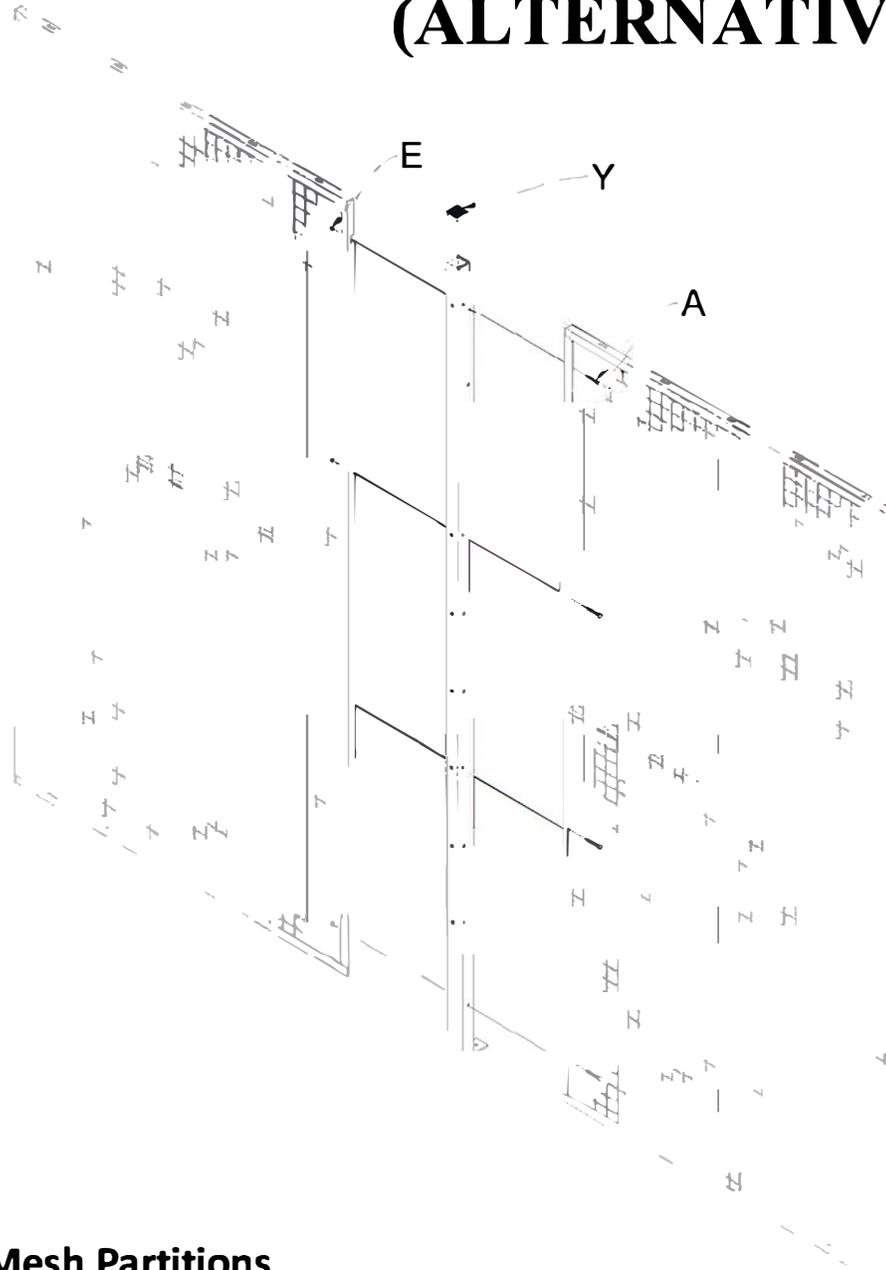
2. Bolt top panel to bottom panel using B & E. Only 2 bolts per panel are provided.

3. Insert Y into the top of the post (**If partition exceeds stock height, complete instructions on Pg. 19 before completing this step.)

4. After all of partition is set up, Insert W into remaining open holes. (Note: **Delay this step** due to potential Three Way intersections, Door brackets, etc. **Dome Plugs by design are difficult to remove.**)



IN-LINE CONNECTIONS (ALTERNATIVE)

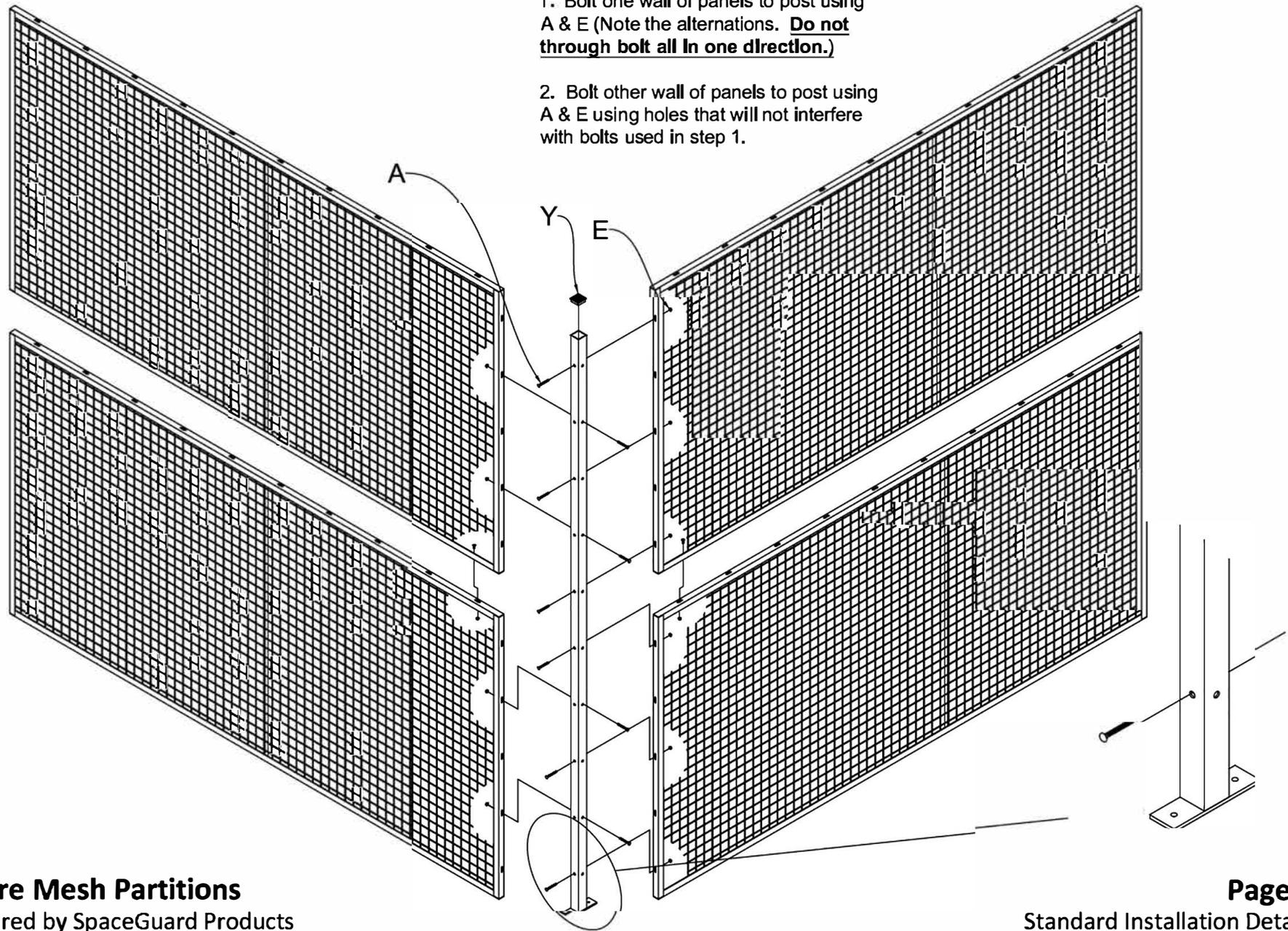


Important If Growth plates are being utilized to eliminate factory set 2" sweep space, proceed to page 23 before doing tightening any hardware. If not included with your order, continue on.

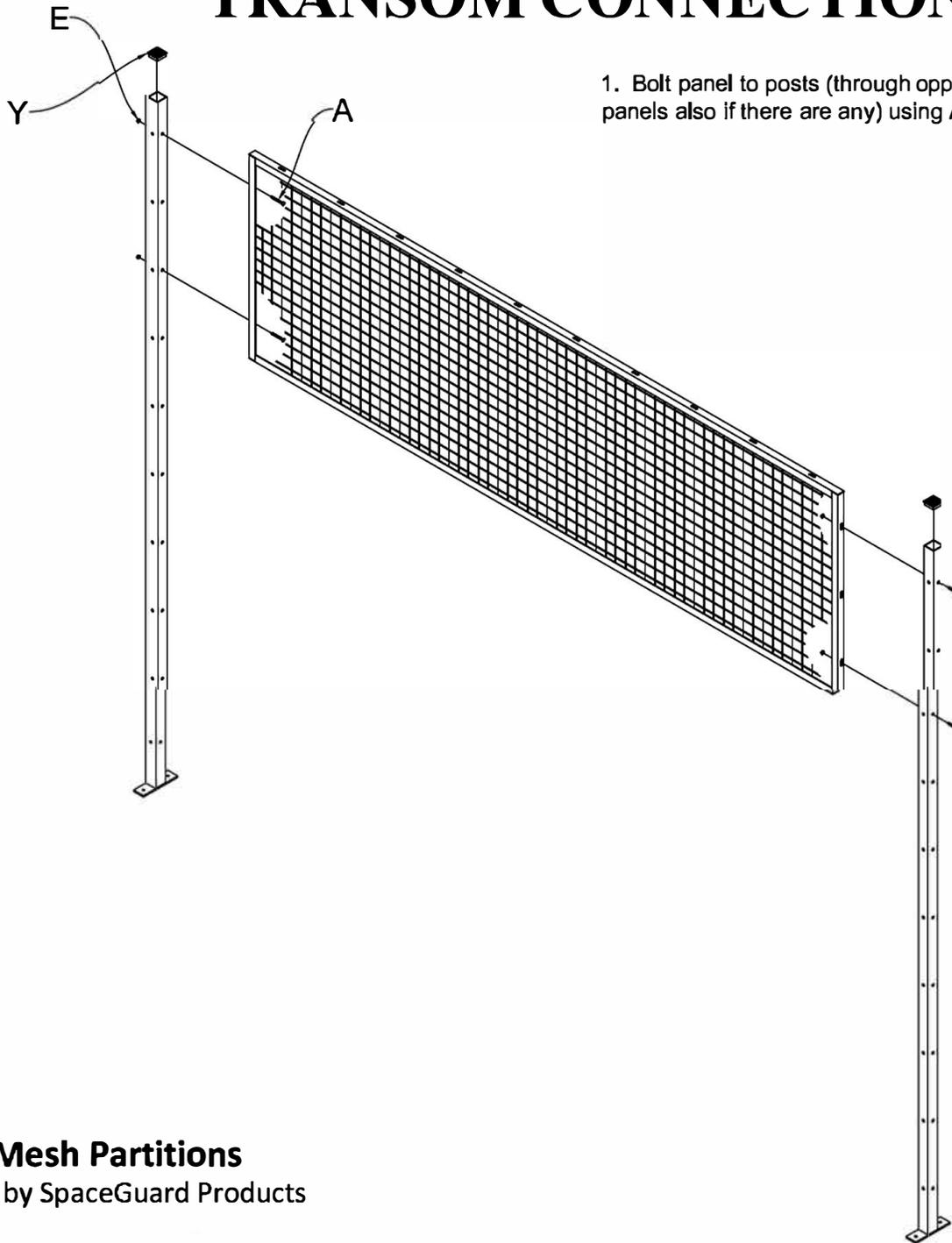
1. Bolt panel to panel through post using A & E. 4 bolts per panel are provided.
2. After all of partition is set up, Insert W into remaining open holes. (Note: Delay this step due to potential Three Way intersections, Door brackets, etc. Dome Plugs by design are difficult to remove.)

CORNER CONNECTION

1. Bolt one wall of panels to post using A & E (Note the alternations. **Do not through bolt all in one direction.**)
2. Bolt other wall of panels to post using A & E using holes that will not interfere with bolts used in step 1.

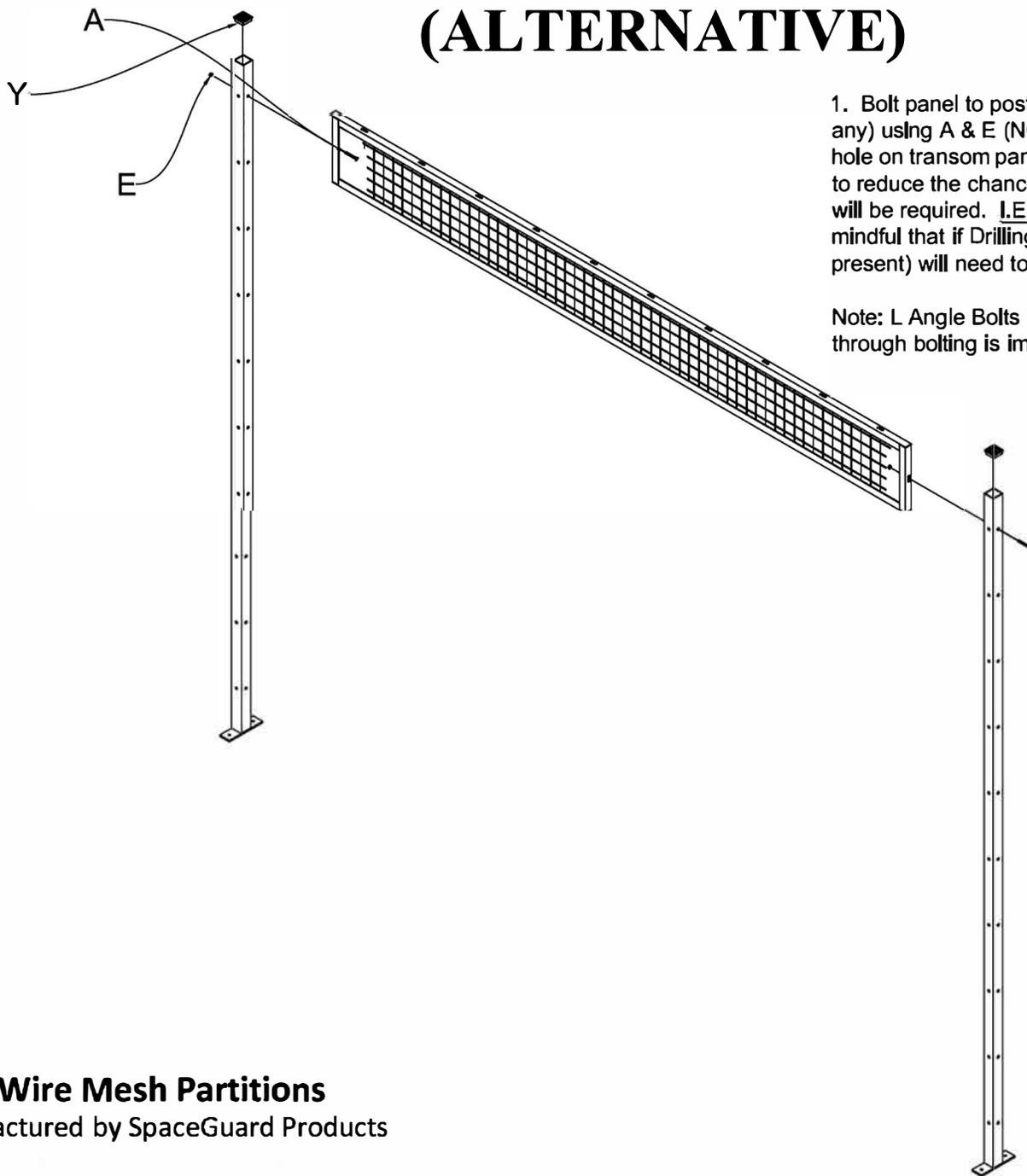


TRANSOM CONNECTION



1. Bolt panel to posts (through opposite panels also if there are any) using A & E.

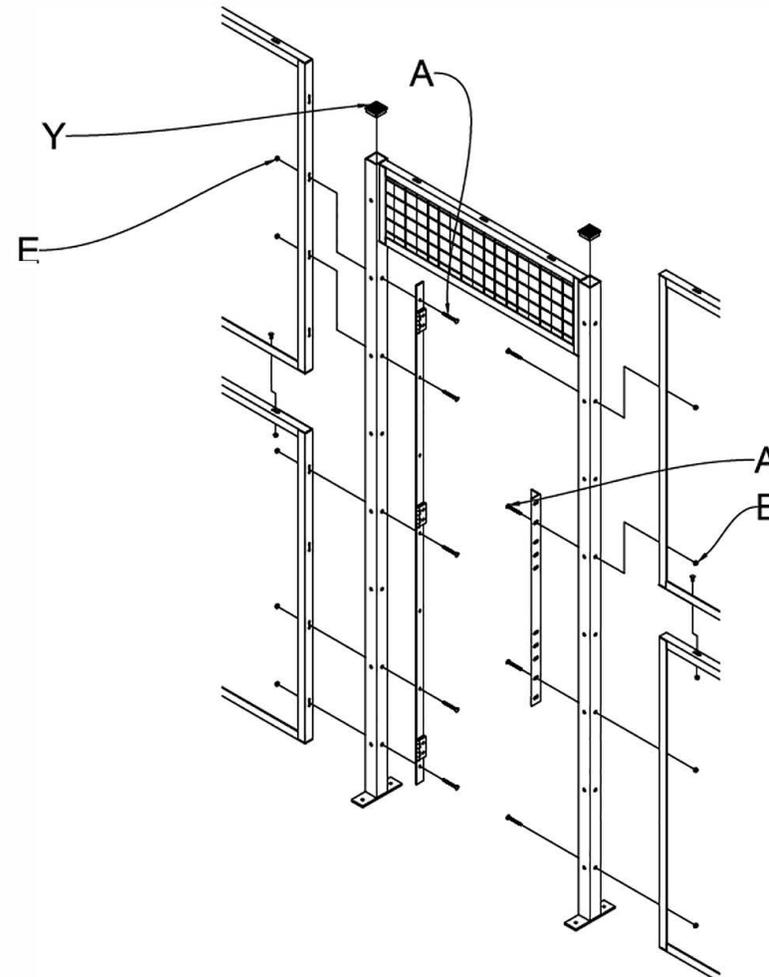
TRANSOM CONNECTION (ALTERNATIVE)



1. Bolt panel to posts (through opposite panels also if there are any) using A & E (NOTE: On 1' High Transom Panels, only 1 bolt hole on transom panels provided. If additional holes are required to reduce the chance of the panel spinning, installer modifications will be required. I.E. Self tapping, or drilling and bolting. Be mindful that if Drilling and bolting is desired, adjacent panels (if present) will need to be drilled with same holes.

Note: L Angle Bolts have been provided for applications where through bolting is impossible.

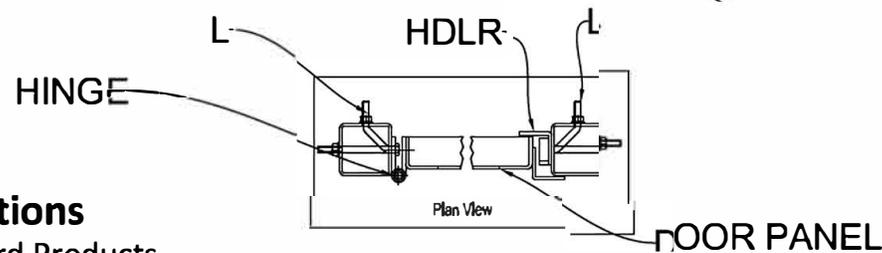
STANDARD HINGE DOOR (OUT-SWINGING MORTISE STYLE LOCK)



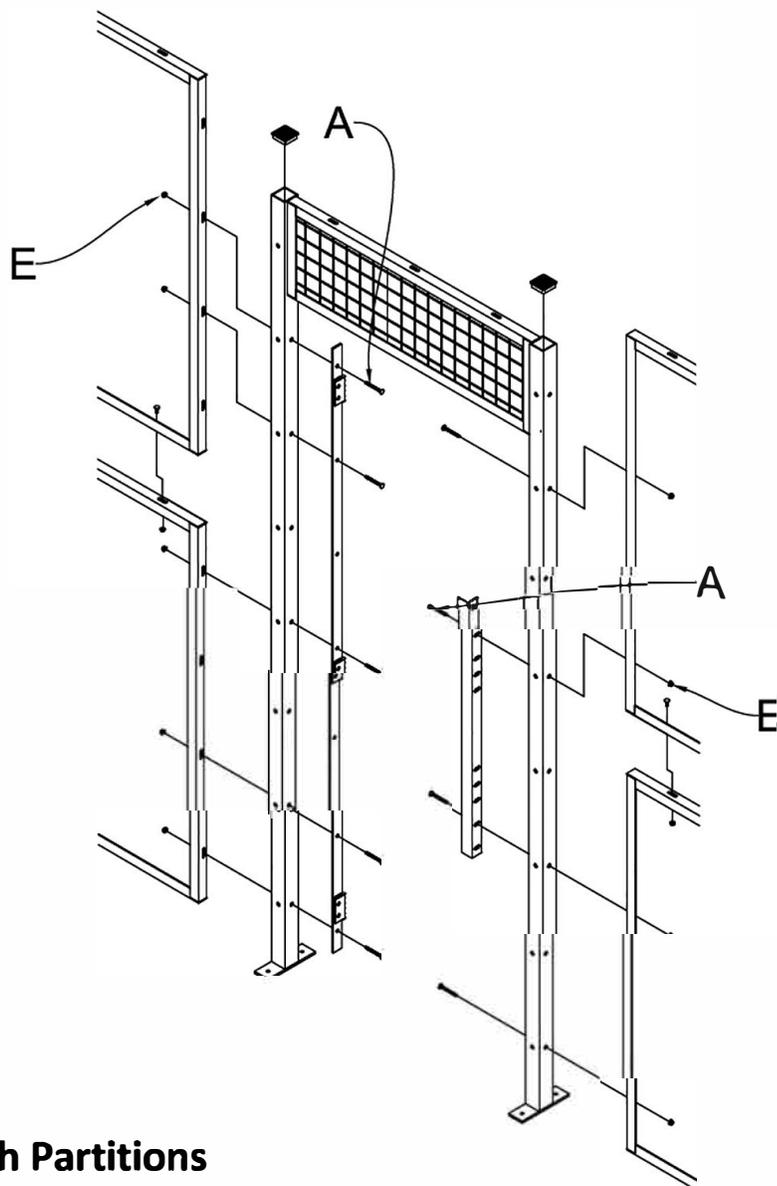
1. Bolt flat side of hinge assembly to post (through adjacent panels additionally) using A & E. Check to make sure that the swing direction (I.E. Left, right, & in, out) is that which is desired. (Note. Middle hinge is not centered intentionally.) Use as many bolts as desired.

2. Bolt receiver to opposite post in appropriate configuration (see Pg. 12 for Swing in doors.) (through adjacent panels additionally) using A & E.
Note: Completion of hanging door can be postponed until after all partition walls erected. See page 14 for Hanging of Door.

Note: L Angle Bolts have been provided for applications where through bolting is impossible.



STANDARD HINGE DOOR (IN-SWINGING MORTISE STYLE LOCK)



1. Bolt flat side of hinge assembly to post (through adjacent panels additionally) using A & E. Check to make sure that the swing direction (I.E. Left, right, & in, out) is that which is desired. (Note. Middle hinge is not centered intentionally.) Use as many bolts as desired.

2. Bolt receiver to opposite post in appropriate configuration (see Pg. 11 for Swing out doors.) (through adjacent panels additionally) using A & E. Note: Completion of hanging door can be postponed until after all partition walls erected. See page 14 for Hanging of Door.

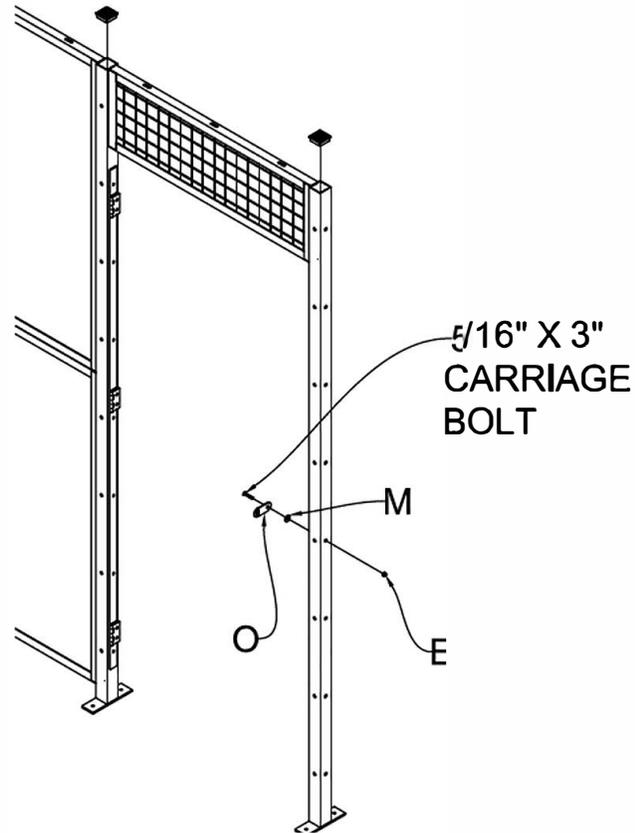
3. L Angle Bolts have been provided for applications where through bolting is impossible.

STANDARD HINGE DOOR (PADLOCK CONFIGURATION)

1. Bolt flat side of hinge assembly to post (through adjacent panels additionally) using A & E. Check to make sure that the swing direction (I.E. Left, right, & in, out) is that which is desired. (Note. Middle hinge is not centered intentionally.) Use as many bolts as desired.

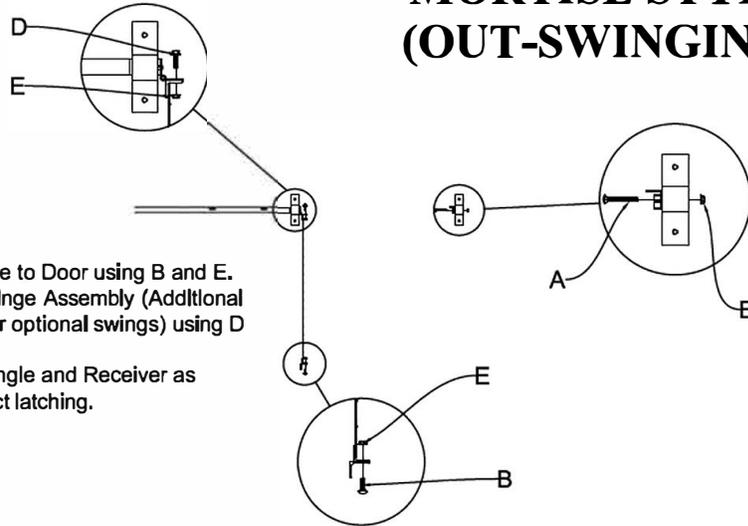
2. Bolt O to opposite post (through adjacent panels additionally) using 5/16" X 3" Carriage Bolt & E.

Note: (3) M Washers have been provided to act as spacers for Lug. Up to 3 can be used on Swing out doors, and up to 1 can be used on Swing In doors.



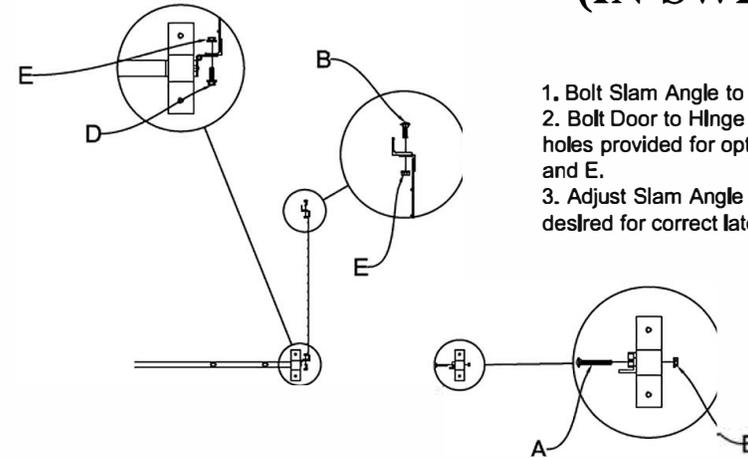
HANGING THE HINGE DOOR

MORTISE STYLE (OUT-SWINGING)



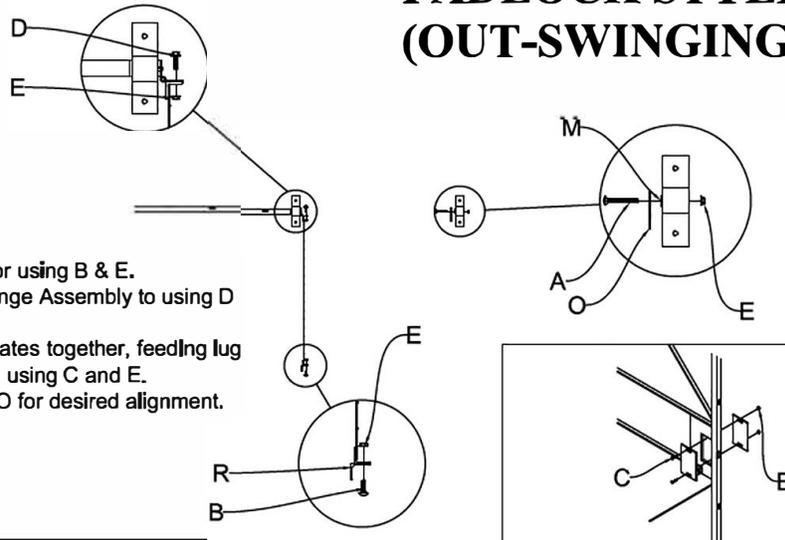
1. Bolt Slam Angle to Door using B and E.
2. Bolt Door to Hinge Assembly (Additional holes provided for optional swings) using D and E.
3. Adjust Slam Angle and Receiver as desired for correct latching.

MORTISE STYLE (IN-SWINGING)



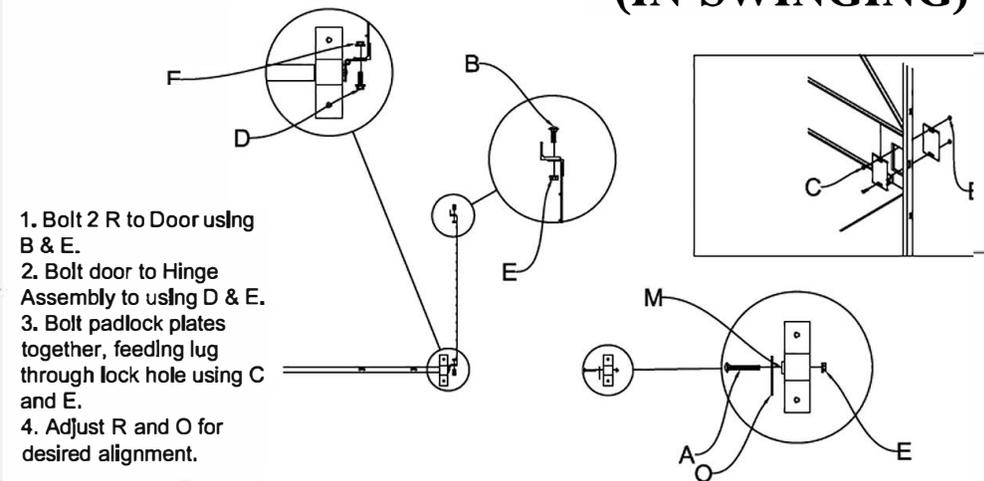
1. Bolt Slam Angle to Door using B and E.
2. Bolt Door to Hinge Assembly (Additional holes provided for optional swings) using D and E.
3. Adjust Slam Angle and Receiver as desired for correct latching.

PADLOCK STYLE (OUT-SWINGING)



1. Bolt 2 R to Door using B & E.
2. Bolt door to Hinge Assembly to using D & E.
3. Bolt padlock plates together, feeding lug through lock hole using C and E.
4. Adjust R and O for desired alignment.

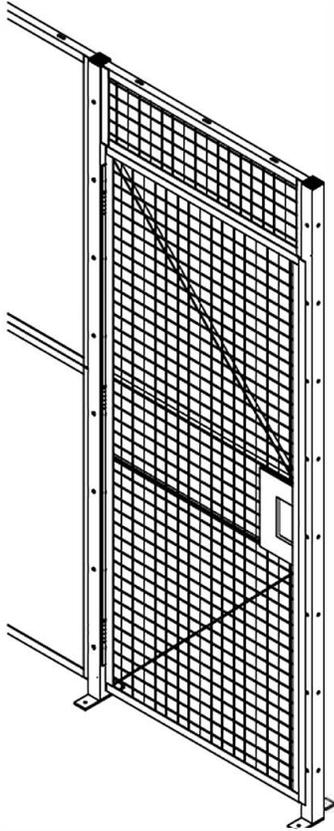
PADLOCK STYLE (IN-SWINGING)



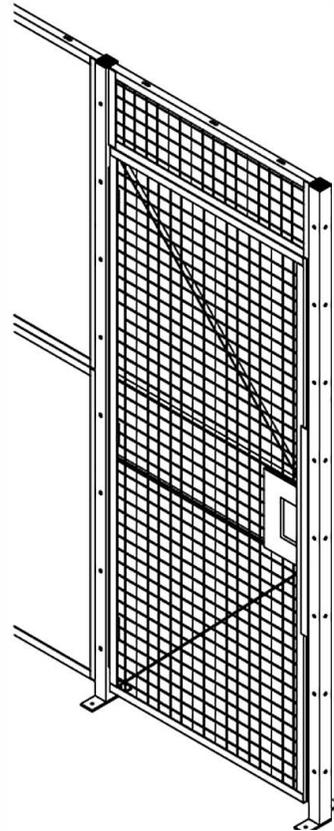
1. Bolt 2 R to Door using B & E.
2. Bolt door to Hinge Assembly to using D & E.
3. Bolt padlock plates together, feeding lug through lock hole using C and E.
4. Adjust R and O for desired alignment.

ASSEMBLED HINGE DOOR

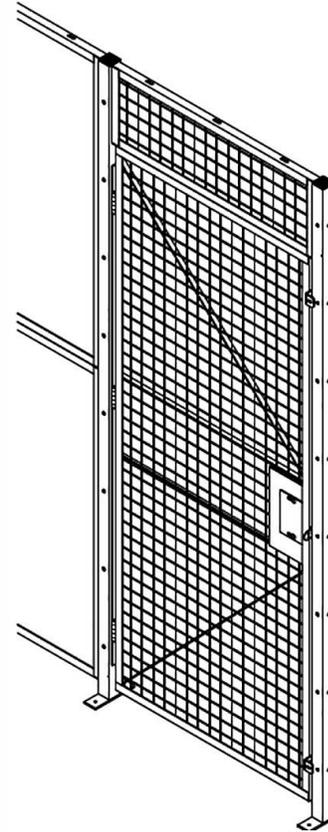
Out Swinging Mortise Style:
-Slam Angle to exterior
-Receiver leg to interior



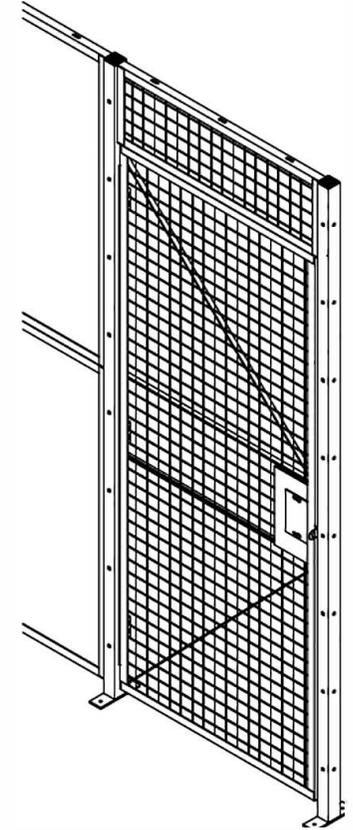
In Swinging Mortise Style:
-Slam Angle to interior
-Receiver leg to exterior



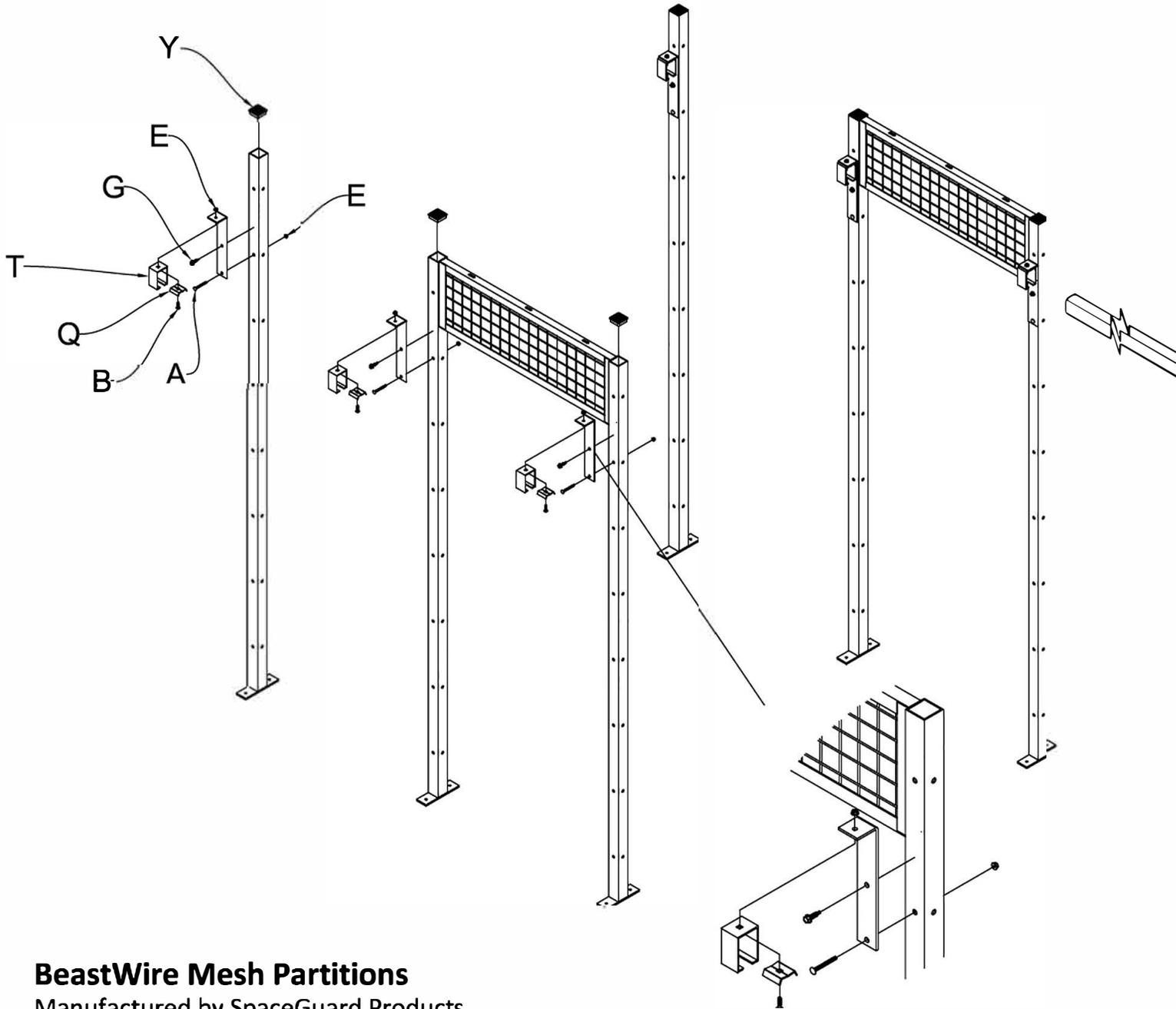
Out Swinging Padlock Style:
-Lugs to Exterior
-Angle Brackets on Exterior



In Swinging Padlock Style:
-Lugs to Exterior
-Angle Brackets on Interior



STANDARD SLIDE DOOR



1. Insert Q into T. Bolt this assembly to 12" L Bracket using B & E. (Note: WCLIPs are meant to grip door track. If these are too tight, they may not grip door track properly.)

2. Repeat step 1 twice, once for each 12" L Bracket provided.

3. Bolt Assembly to post using A and E. (Note only bottom hole in 12" L Bracket will line up with hole in post. If additional mounting point is desired, self tap screws and carriage bolts are provided. If carriage bolts are used, installer will be responsible for drilling post in field for additional bolt.)

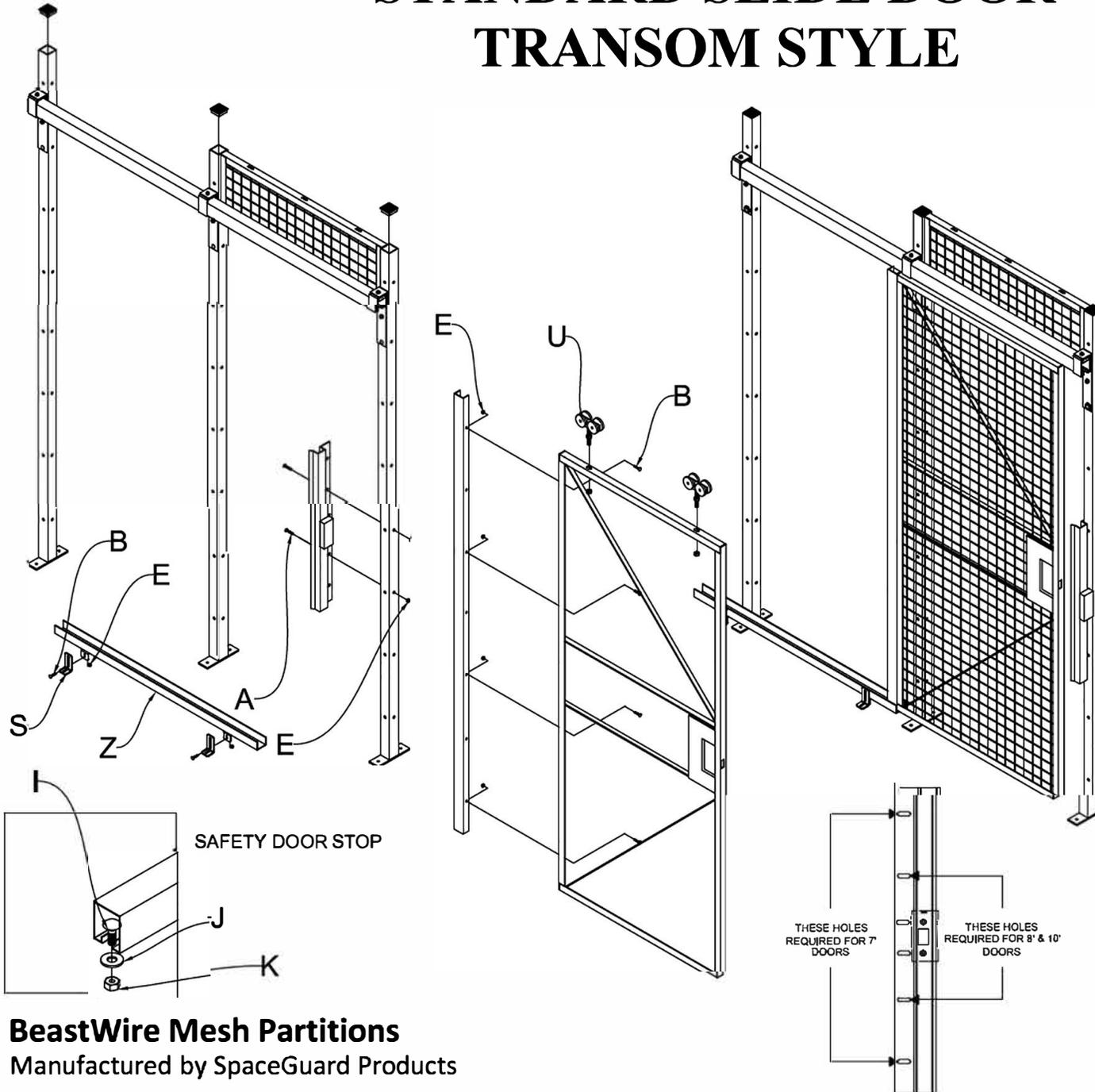
4. Repeat step 3 twice, once for each assembly.

5. If for any circumstance, One or more of the assemblies cannot attach to a post and must attach to the mesh of a panel, see page 20 for further information.

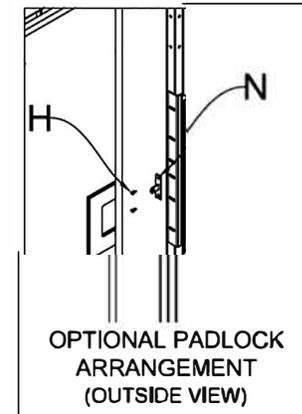
6. Slide Track into bracket assemblies. Use a rubber mallet if necessary.

Note: L Angle Bolts have been provided for applications where through bolting is impossible.

STANDARD SLIDE DOOR TRANSOM STYLE



1. Bolt Growth plate to inactive side of door using B & E.
2. Bolt 2 U to door using attached nuts. See page 18 for further instructions on retention.
3. Bolt receiver to post using A & E (be mindful that panels will be bolted here as well).
4. Slide door trolleys into track.
5. Install safety door stop using I, J, & K on non active side of door track.
6. If padlock arrangement style was ordered, see below.
7. If Mortise style was ordered, see lock manufactures details for installation into door.
8. Door Guide: Bolt (2) S to Z using B & E. Select location (can vary due to site conditions) and anchor to floor. Channel should encompass growth plate on inactive door side & slotted angle along bottom of door (see pg. 19).

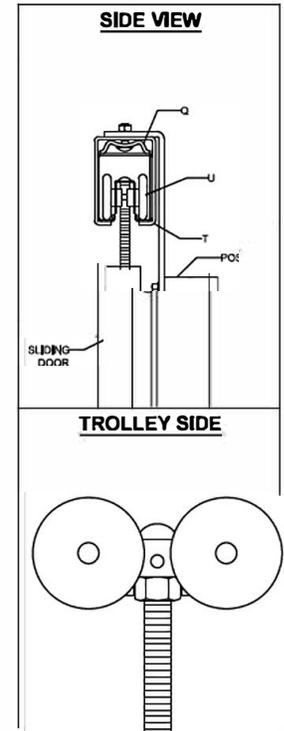
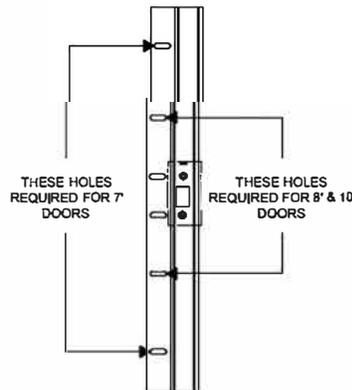
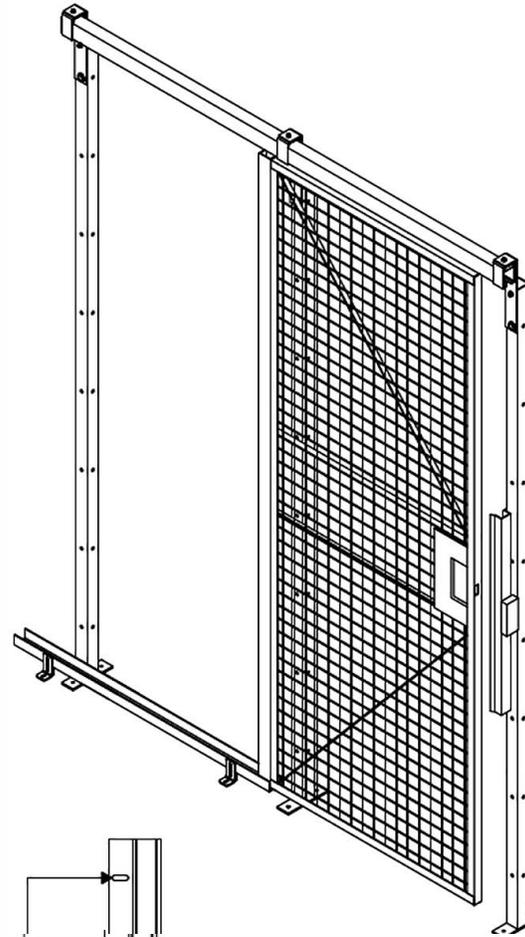
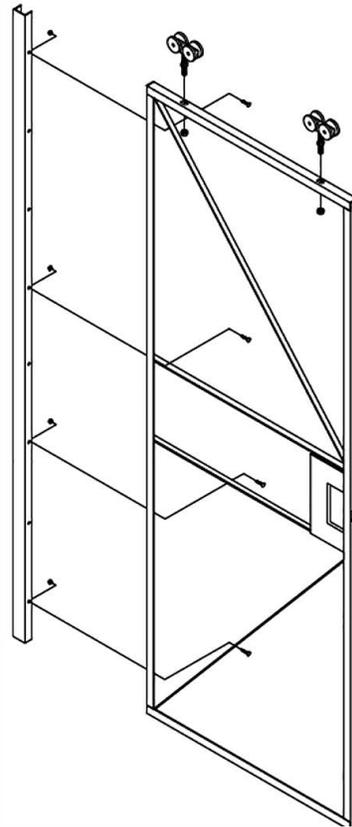
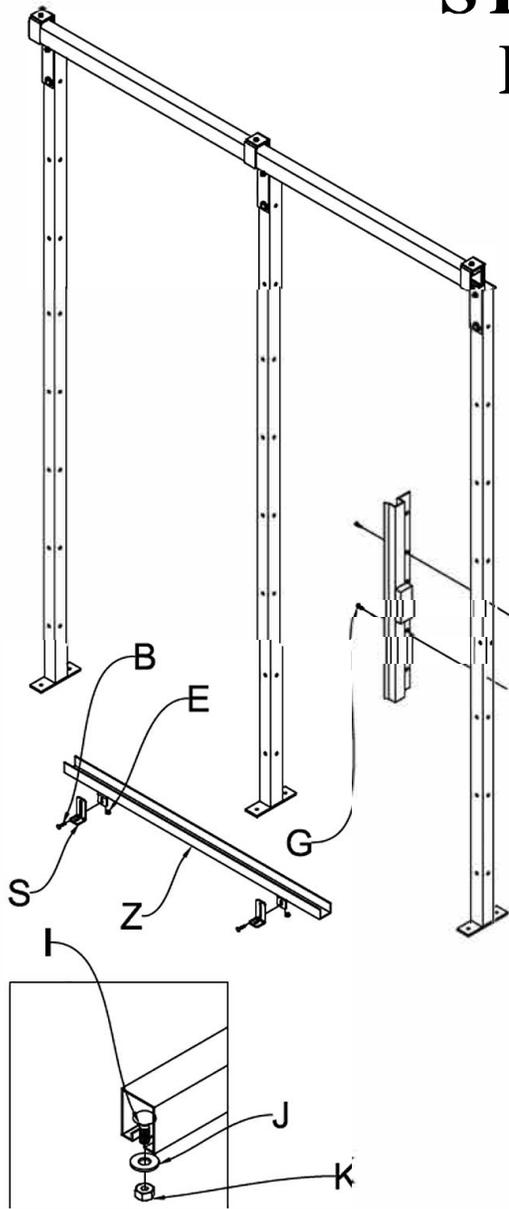


BeastWire Mesh Partitions
Manufactured by SpaceGuard Products

STANDARD SLIDE DOOR FULL HEIGHT STYLE

1. See Pg. 17 for installation of trolleys, growth plate on door.

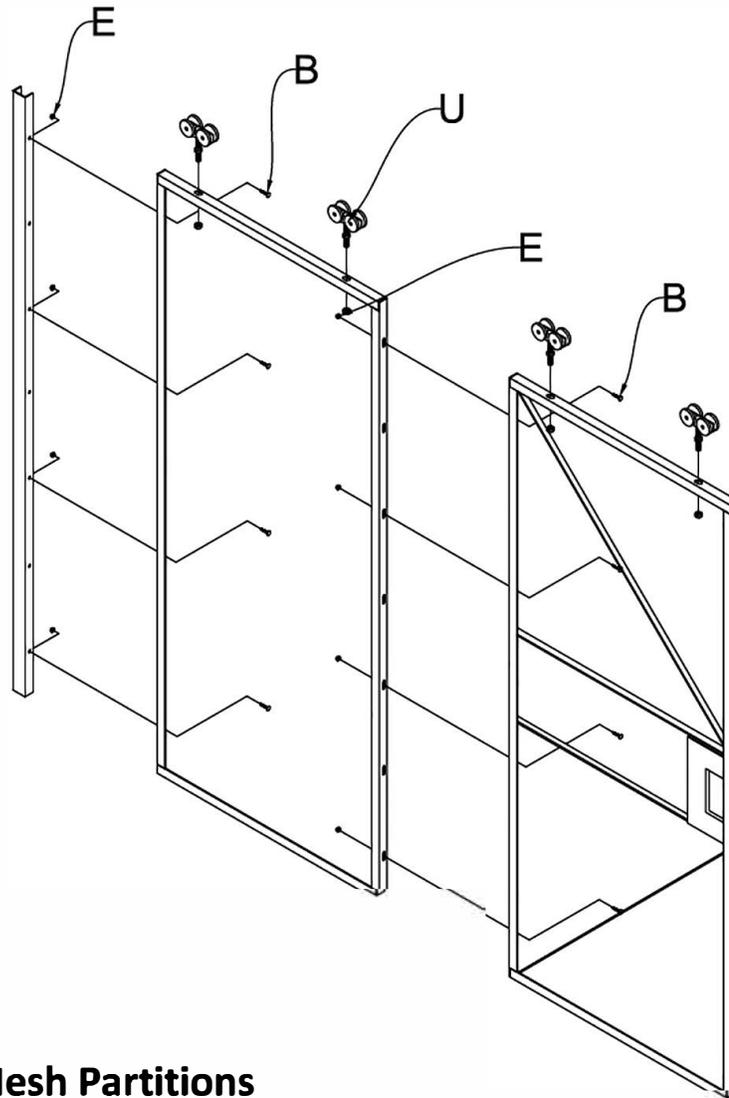
2. Self tap receiver to Post @ correct height.



BeastWire Mesh Partitions
Manufactured by SpaceGuard Products

Page 18
Standard Installation Details
Updated 3/31/2017

STANDARD SLIDE DOOR >5' WIDE



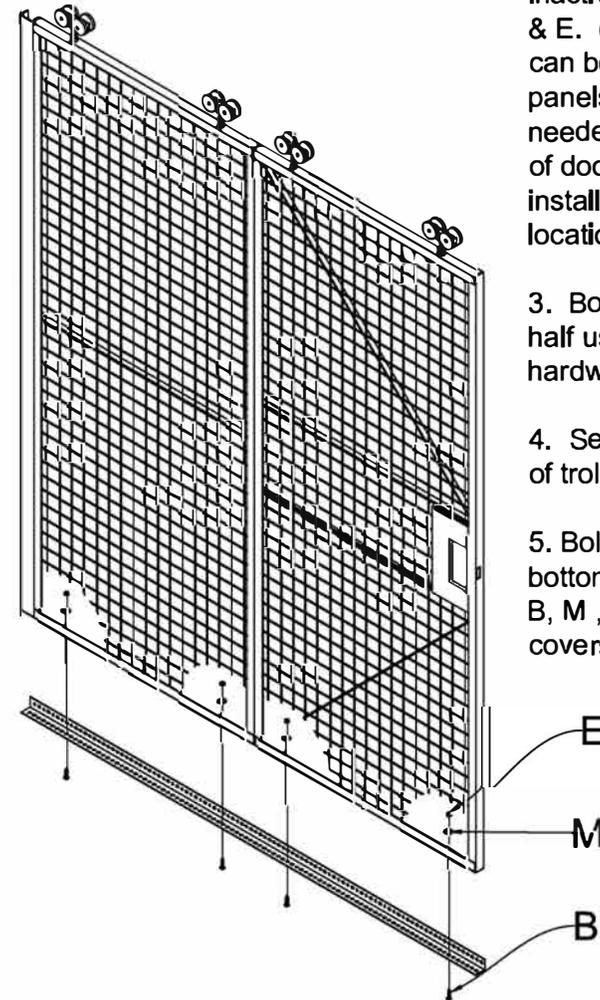
1. Bolt both panels together using B & E.

2. Bolt growth plate to inactive side of door using B & E. (Note: Growth plate can be bolted between the 2 panels. Growth plate is needed for proper function of door, but it is up to installer discretion as to location.)

3. Bolt 2 U to each door half using attached hardware.

4. See Pg. 18 for retention of trolleys in track.

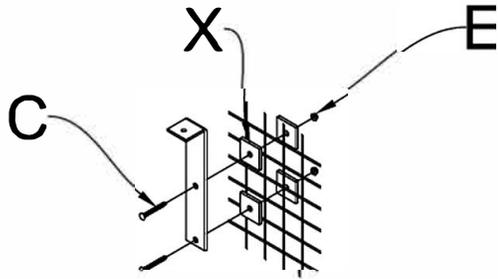
5. Bolt Slotted angle to bottom of door panels using B, M, & E. Ensure Angle covers growth plate.



SQUARE WASHERS FOR MESH MOUNTING

Case 1: Transom style mounting

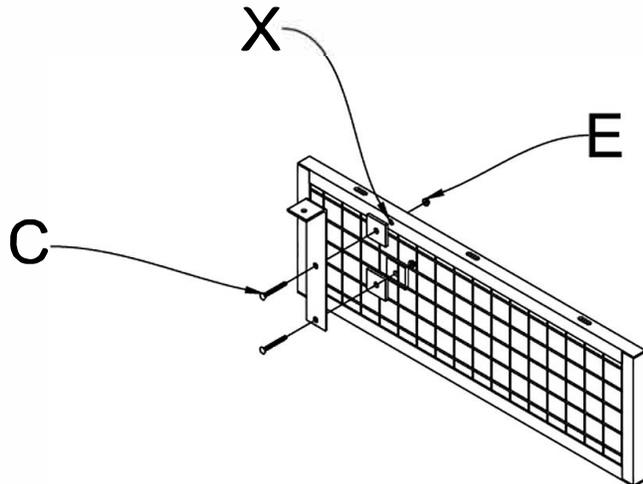
1. Bolt L12 bracket to mesh using 2 X for each mounting hole and C & E. Sandwich the mesh between the 4 X.



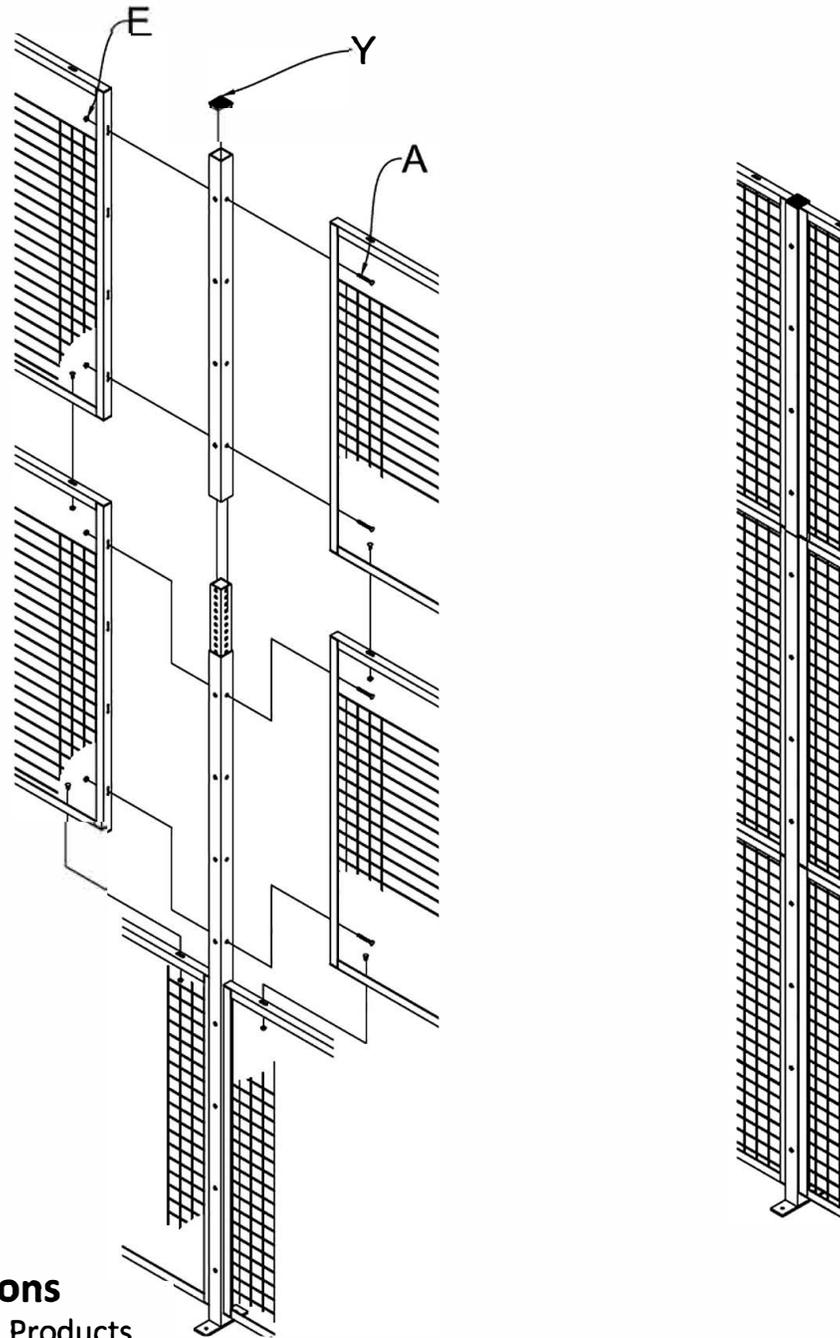
Case 2: Full height mounting

1. Bolt bottom hole identical as case 1 above.

2. For top hole, use one X on exterior of panel. Drill through angle of panel. Use C & E to bolt through bracket, X, and angle of panel.



POST EXTENSIONS



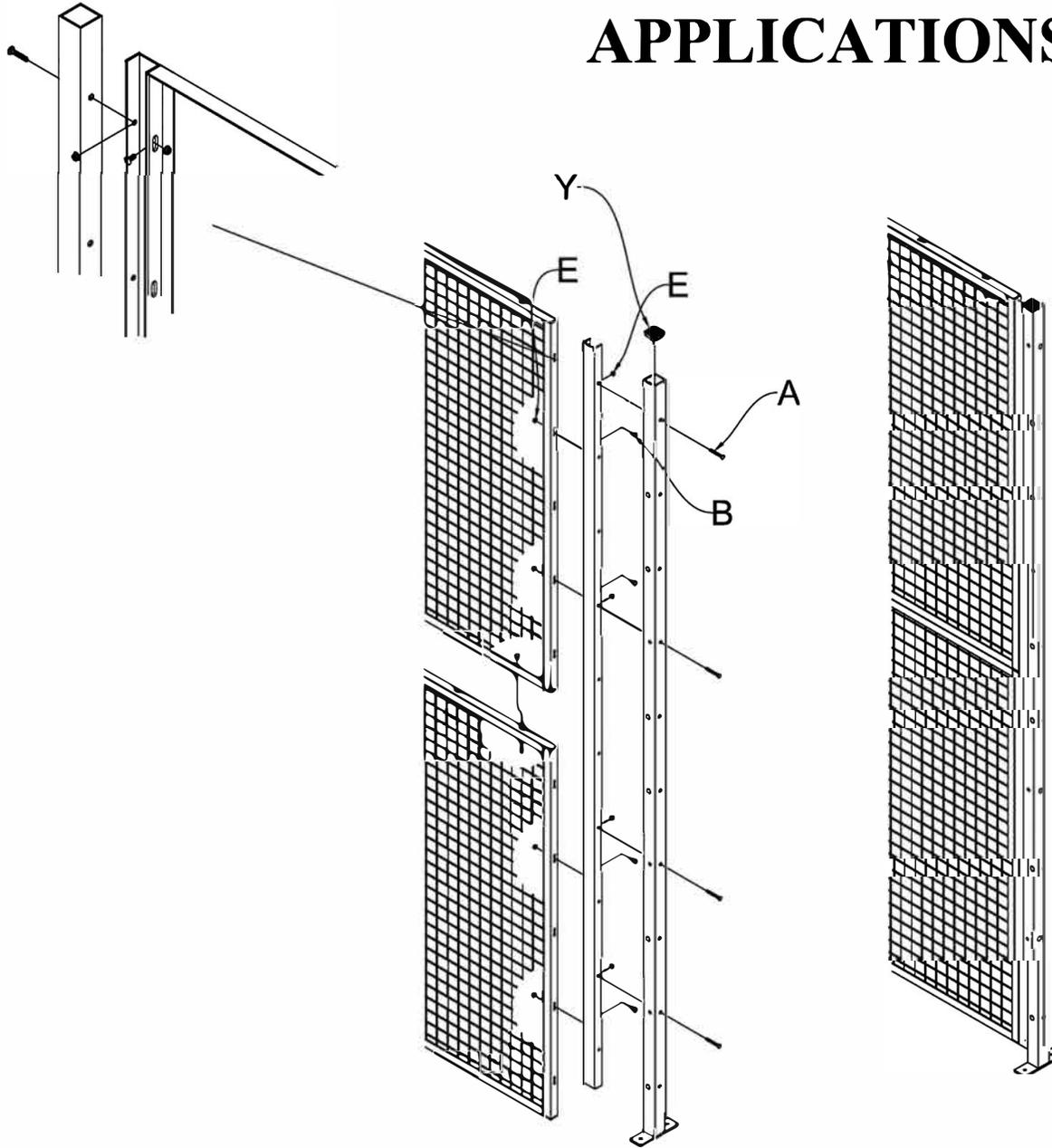
1. Insert perforated tube into top of post. Bolt through post, insert, & Panels using A & E

2. Slide post extension over top of insert.

3. Bolt through panels, post extension, and Insert using A & E.

Note: Caution-Do not Drop Post insert into in Post during installation.

GROWTH PLATE APPLICATIONS

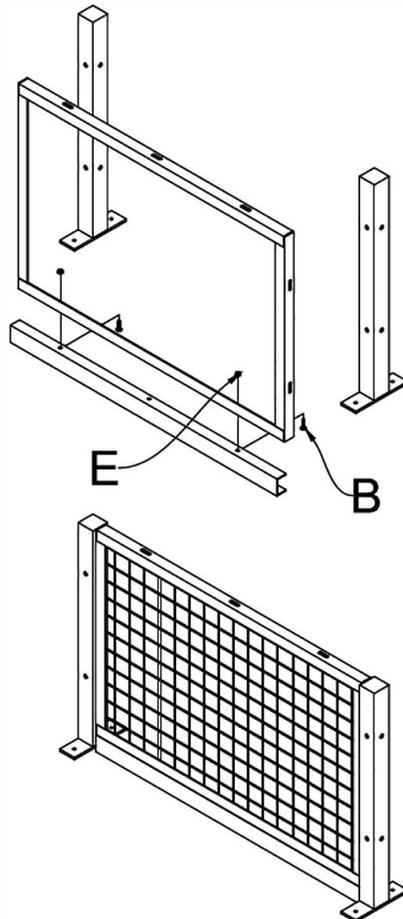


Applies for all applications of growth plates.

Note: All Growth plates provided in 8' & 10' Sections (7' Exclusively for Slide Door applications only). If other lengths of Growth plate are desired, installer will be responsible for cutting provided 8' or 10' sections to desired lengths.

1. Bolt one leg of growth plate to panels using B & E.
2. Bolt opposite leg of Growth Plate to Post using A & E.

GROWTH PLATE APPLICATIONS



Growth Plate can be used as a 'Sweep Cover' as well, but the following considerations need to be made.

-Growth plates, if included with order, should be installed this way prior to tightening all hardware that attaches panels to posts.

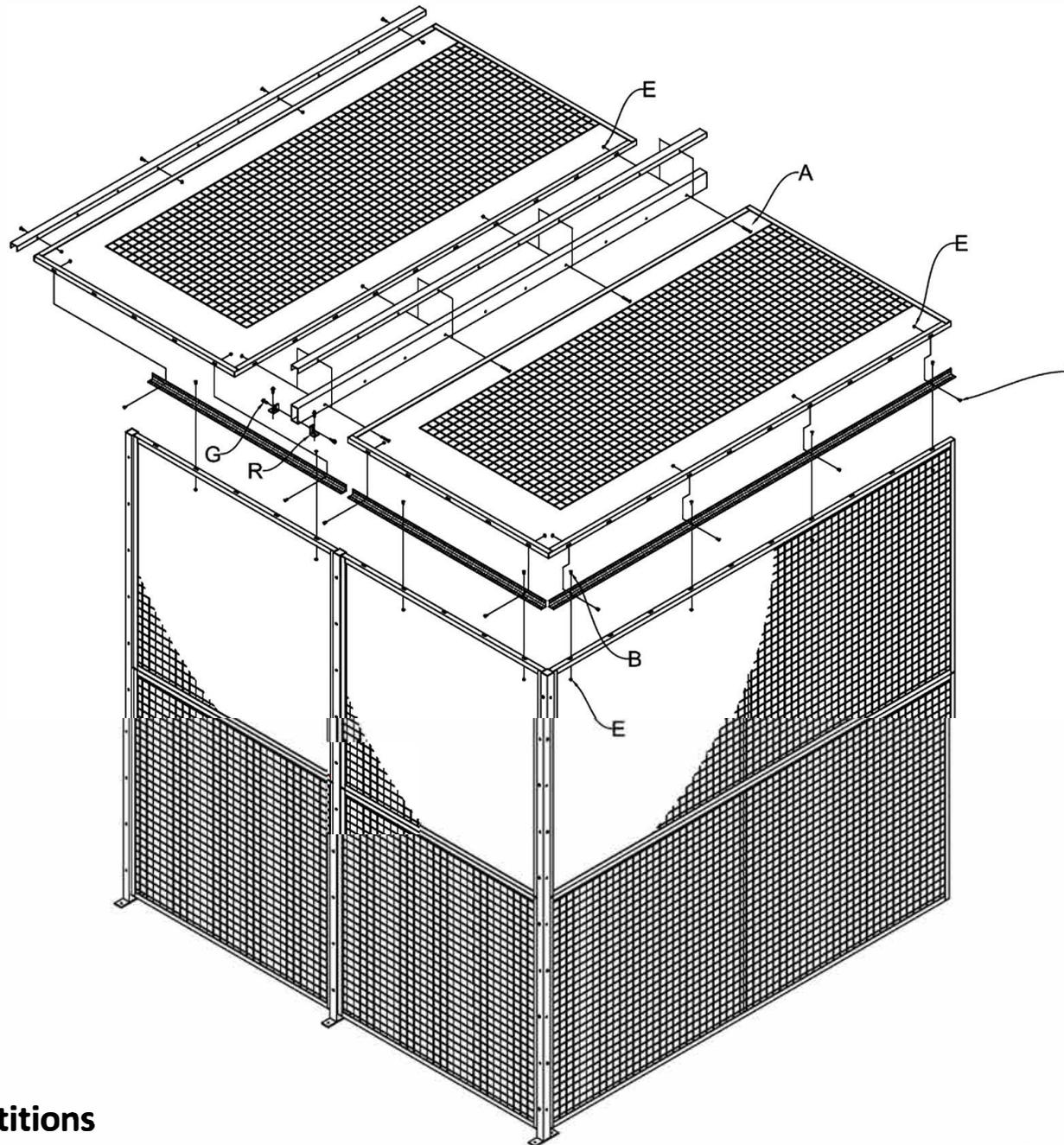
-If growth plate is used on a corner, Growth plate will interfere with standard base plate in one direction. Installer will be responsible for modifications to either the afore mentioned Base plate or Growth Plate.

-If Growth Plate is used on a substantially tall cage that requires larger base plates, the above mentioned interference will be at all locations under panels.

-If floor is uneven, Growth Plate will show an uneven floor far more easily than using a typical sweep space. This can result in undesired space beneath Growth Plate, or can cause panels/posts to be misaligned during installation. These potential for problems must be considered when requesting minimal sweep space.

-Growth plate is **NOT RECOMMENDED** to be used to cover sweep under doors. Space is required under doors for proper function. If growth plate is used to cover sweep on doors, liability falls upon installer for modifications to door, Growth plates, base plates, floor Anchors, or any combination of the listed components. If a sweep cover is desired on doors, Spaceguard recommends looking at flexible weather stripping material such as brushes or bulbs. Incorporation of this material onto doors will be installers responsibility.

CEILING CONNECTIONS



(Note: Do not begin Ceiling assembly until wall partitions are set in place and anchored to floor. This step, depending on ceiling size, will likely require 3+ people to install. Refer to provided ceiling layout prior to start of ceiling installation.)

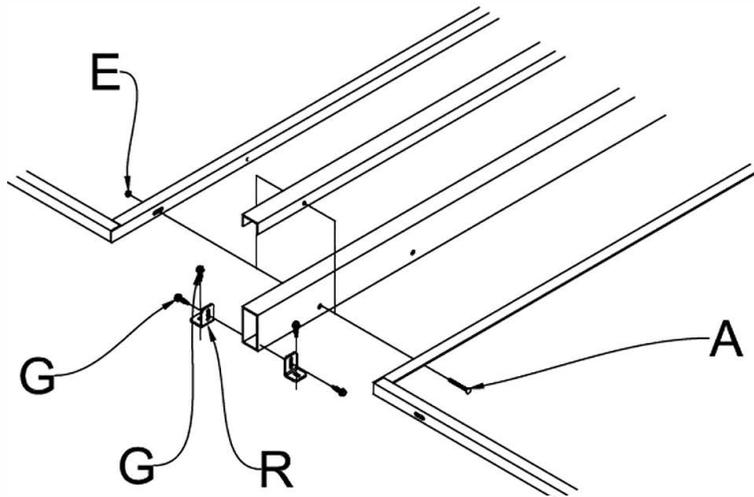
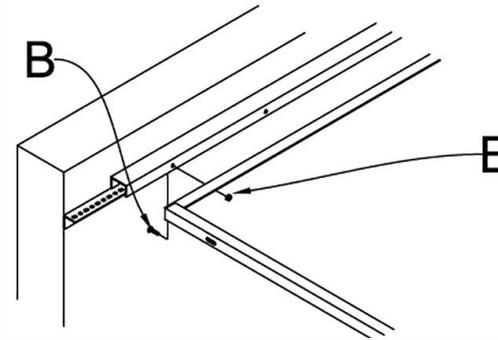
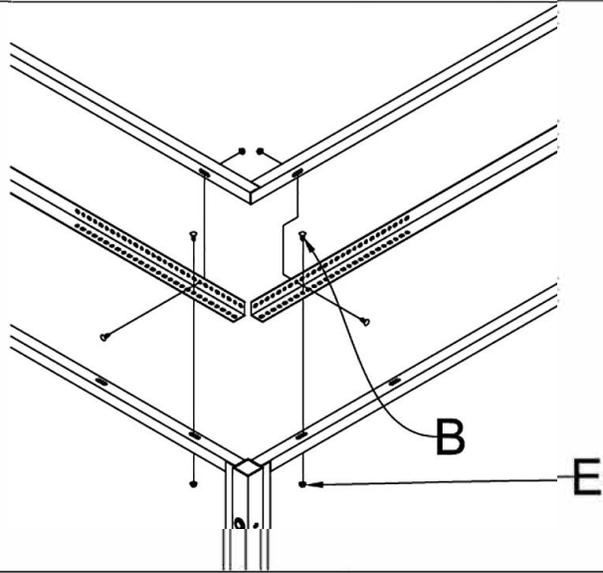
1. Bolt perimeter angle to exterior partition walls using B & E. Perimeter angle shipped in 10' Sticks. Installer will have to cut for other sizes if required.

2. Bolt ceiling panels to perimeter angle using B & E.

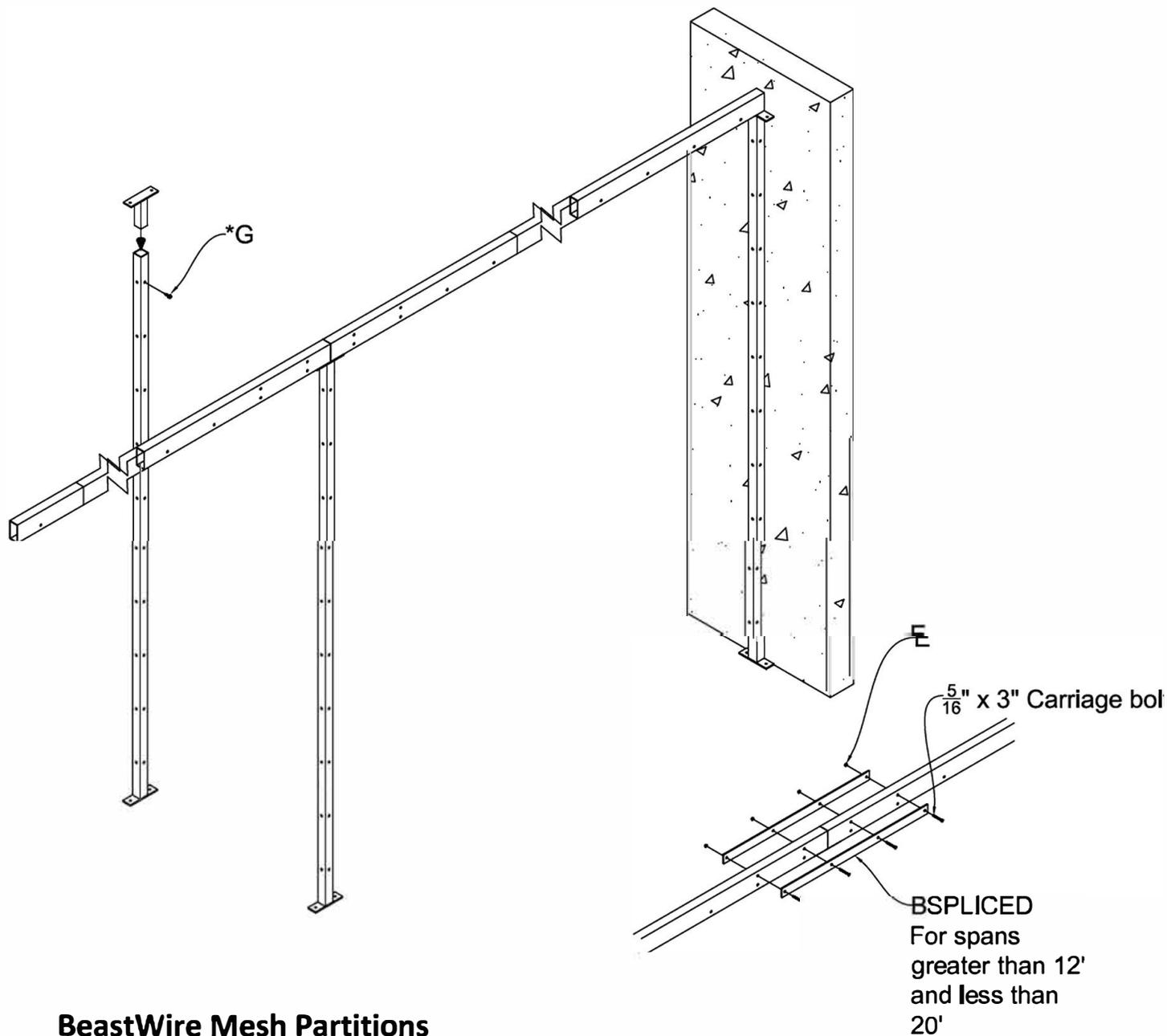
3.A. (If required) Bolt panels to beam using A & E. Self tap R to beam and panels @ where beam rests on Partition Wall Posts. See Pg. 28 for further Beam support.

3.B. Growth Plate can be used in lieu of Beam on smaller ceiling applications.

CEILING CONNECTIONS



BEAM CONFIGURATIONS



BeastWire Mesh Partitions
Manufactured by SpaceGuard Products

For Ceilings >20' Spans

1. Determine where support Posts are needed. Refer to supplied layout for recommended locations of internal support posts.

2. Insert the 6" Insert into post. Self tap (*G) or field Drill and bolt 6" Insert to Post. Hardware provided for Either Option.

3. Span Beam across Partition. Supports typically provided @ Beam intersections &/or Against walls. Support Beam appropriately with post as shown.

For Ceilings 12'-20'

1. Splice Beams (using top set of holes) together using 2 BSPLICED Plates, $\frac{5}{16}$ " x 3" Carriage Bolts & E.

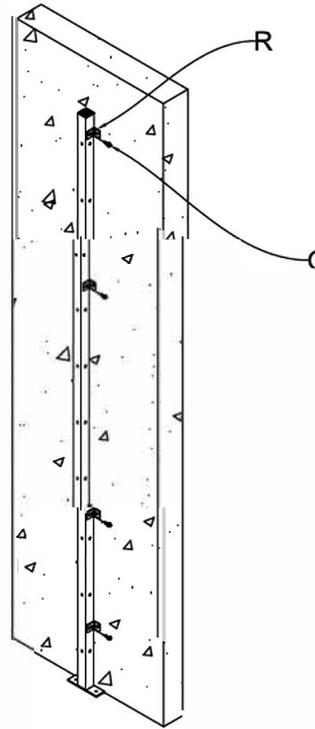
2. Anchor post appropriately when support is stabilized.

NOTES FOR ALL BEAM LENGTHS:

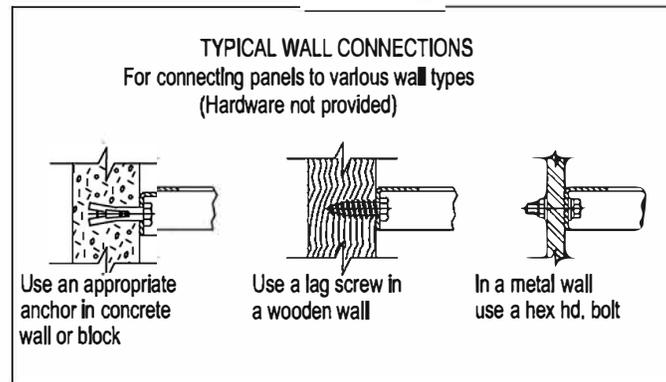
-Installer may need to field cut beams. Cuts to be made on ends that don't have BSPLICED mounting holes.

OPTIONAL WALL BRACING

(PARTS SOLD SEPARATELY FROM POSTS)



1. Self tap R to Post using G.
2. Attach to wall however may work for your application, see bottom for different options.



This guide covers basic installations using stocked items only.

Your particular enclosure may not be covered by details contained within this guide and may require field modifications not described. If you have questions regarding your particular installation, please locate the order number on your packing list and call the phone number below to speak with a customer service representative.

THANK YOU FOR CHOOSING
BEASTWIRE MESH PARTITIONS!

 **Material Handling USA**
800-326-4403