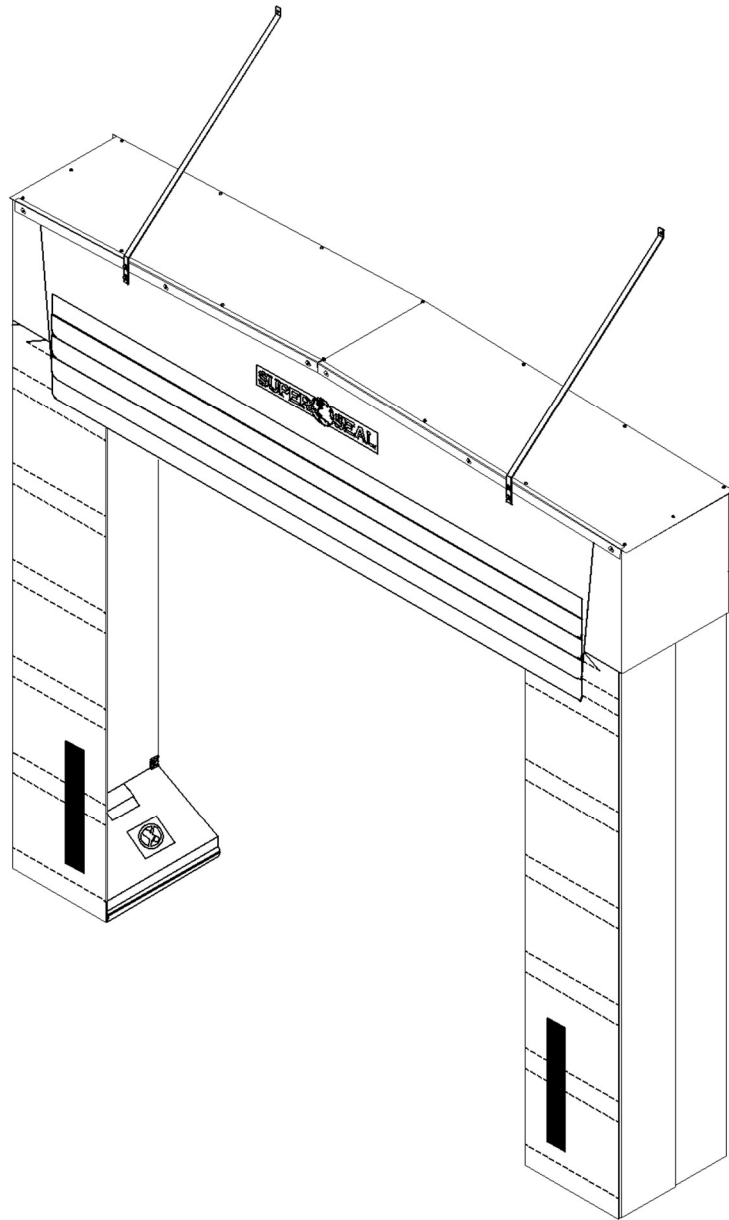


# DOCK WEDGE – STANDARD STEEL FRAME

READ ALL INSTRUCTIONS BEFORE INSTALLING SEAL. SUPER SEAL MFG. LTD. WILL NOT BE HELD RESPONSIBLE FOR IMPROPER INSTALLATION OF ANCHORING DEVICES, OR FOR INSTALLATION INTO AGED OR UNSOUND CONCRETE, CONCRETE BLOCK, OR OTHER WALL OR FLOOR MATERIAL WHICH MAY RESULT IN PREMATURE PRODUCT WEAR, PRODUCT FAILURE, PROPERTY DAMAGE, OR PERSONAL INJURY.



## Components List

### Header

No.	Description	Qty.
1	Header Canopy C/W Galvanized Steel Top Cladding	1
2	Canopy Side Supports	2
3	Header Side Curtain	2
4	Angle Trim	1
5	Head Curtain	1
6	Bungee Cable	2
7	Canopy Support Straps	2

### Header Option

No.	Description	Qty.
8	Side Support Arms (if Applicable)	2

### If Canopy Support Straps are used:

No.	Description	Qty.
7a	3/8" X 1-7/8" Sleeve Anchor	2
7b	1/4" X 1-1/2" Hex Head Tek Screw	4
7c	3/8" B.S. Washer	4

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### Verticals

No.	Description	Qty.
1	Vertical Pads C/W Foam Core & Wood Backing	2
2	Removable Inward Panel	2
3	Angle Mounting Brackets	12
4	Phantom Draft Pads	2

### Vertical Option

No.	Description	Qty.
9	Projection Boxes	2
9a	Angle Mounting Brackets	12
9b	#14 x 1-1/2" Flat Quad Screws	24

### If Side Support Arms are used:

No.	Description	Qty.
8a	5/16" (18) X 1-3/4" Hex Bolt	4
8b	3/8" B.S. Washer	4
8c	5/16" (18) Hex Nut	4
8d	5/16" Lock Washer	4
8e	3/8" x 1-7/8" Sleeve Anchor	4

OR

## Hardware Supplied List

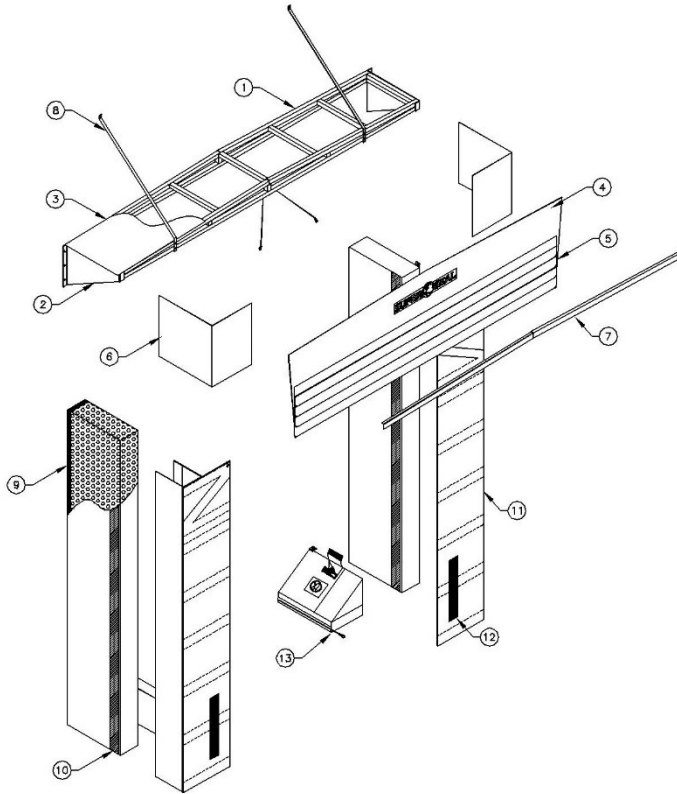
No.	Description	Qty.
1	3/8" X 1-7/8" Sleeve Anchor	18
2	3/8" Sleeve Anchor	4
3	1/4" X 1-1/2" Hex Head Tek Screw	24
4	3/8" B.S. Washer	8
5	#10 X 3/4" Hex Washer Tek Screw - Zinc	10
6	1/4" B.S. Washer	10
7	5/16" B.S. Washer	2
8	#10 X 3/4" Pan Head Socket Tek Screw	5
9	Installation Instructions	1

## Recommended Tools List (Typical Masonry Wall)

No.	Description
1	Tape Measure
2	Level
3	Pencil or Marker
4	Square
5	Power Drill
6	Caulking-Outdoor Acrylic Tape
7	1/2" Socket Wrench

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No.	Description
8	Hammer Drill
9	Hammer
10	Robertson or Philips Driver #3
11	3/8" Masonry Drill Bit
12	Caulking Gun
13	Utility Knife
14	5/16" Hex Nut Driver

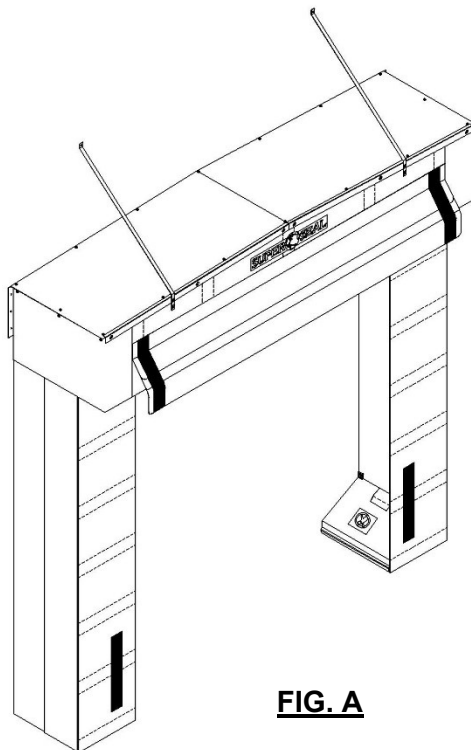


## DOCK WEDGE COMBO-2 (DOUBLE PAD)

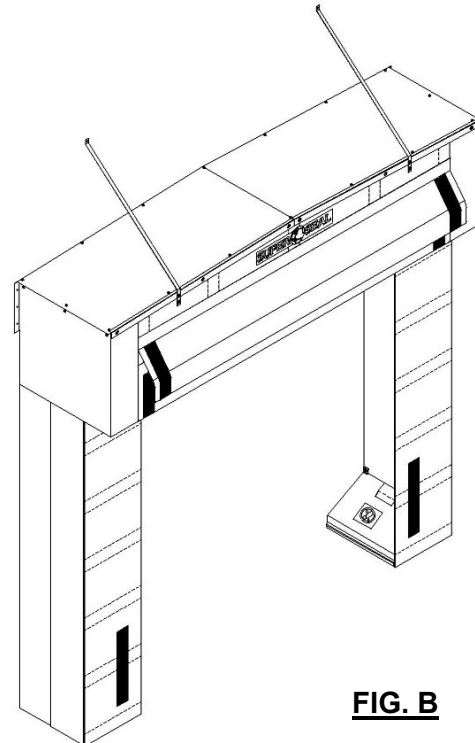
1. Steel canopy
2. Galvanized color steel cladding
3. Side supports
4. Front curtain
5. Full width flaps
6. Side curtain
7. Finish angle trim
8. Canopy support strap
9. Vertical pad – foam core / wood backing
10. Velcro
11. Removable inward panel
12. 4" W x 14"H yellow guide stripe
13. Phantom draft pad / no step

### NOTE: Dock Wedge Configurations

- I. Dock Wedge Combo-2 (Single Pad) (Fig. A)
- II. Dock Wedge Combo-2 (Double Pad) (Fig. B)



**FIG. A**



**FIG. B**

## 1. CHECK ORDER

### a. Measure door opening width.

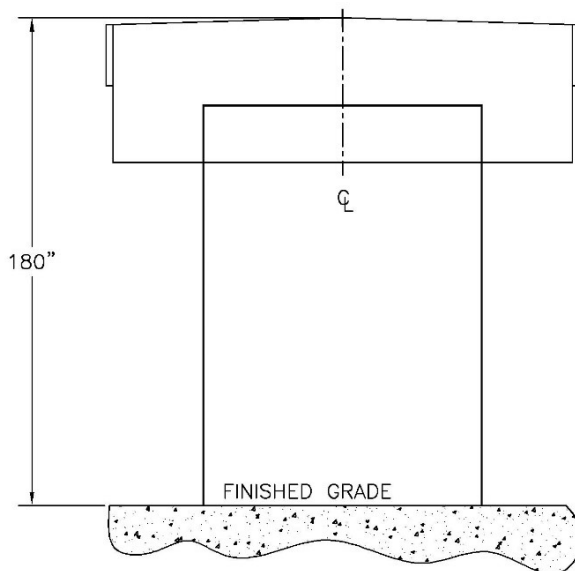
- Seal door opening varies according to the dimensions of existing door.
- Make sure dimensions match purchase order.
- Make sure there is enough space to install.  
Check for existing:
  - dock seals
  - bollard and obstacles
  - lights and conduit
  - drains

### b. Check *Components List* and *Hardware Supplied List* to make sure all listed are present (Page 2).

### c. Check *Recommended Tools List* and make sure all are available (Page 2).

### d. Determine method of mounting shelter to wall.

- Super Seal* supplies 3/8" sleeve anchors with the shelter. **The customer must supply any other mounting hardware.**



**FIG. 1**

Recommended methods for:

#### A. **Concrete block, pre-cast concrete or brick wall:**

Use 3/8" sleeve anchors (supplied by *Super Seal*)

#### B. **Metal siding:** Use through-bolt fastening (supplied by others). Another alternative is to use wood lags with back plate from inside the building to back of seal.

**NOTE: SUPER SEAL IS NOT RESPONSIBLE FOR INSTALLATION AND ANY DAMAGE OR INJURY CAUSED BY INSTALLATION OR THE PRODUCT. SAFE AND PROPER WORK PROCEDURES SHOULD BE FOLLOWED.**

## 2. MARK CENTERLINE

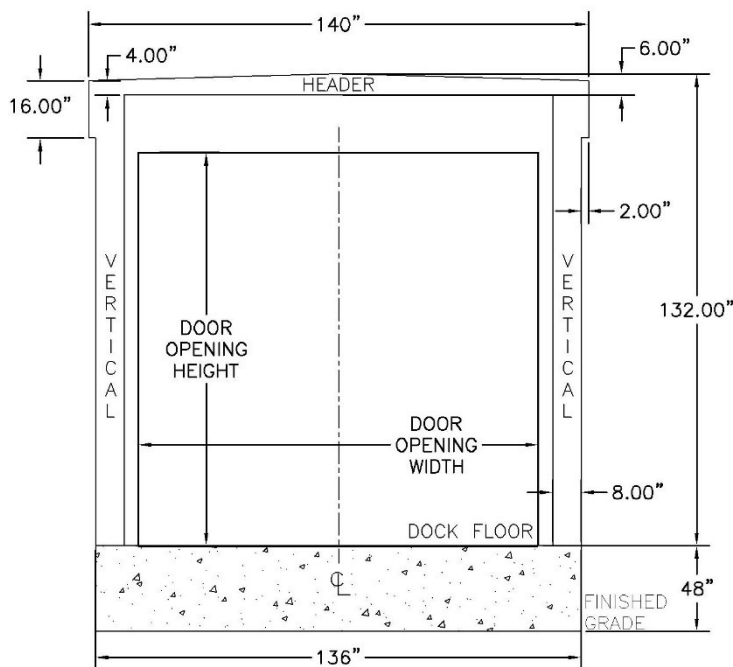
- Locate the centerline of the door opening and mark on dock floor.
- Mark centerline on lintel above door (Fig. 1).
- Measure head frame width and mark.
- Extend line 180" above finished grade.

**NOTE: Mounting footprint for 140" W x 132"H (Standard unit size) (Fig. 2)**

## 3. MOUNTING HEAD FRAME

### a. Prepare frame.

- Determine front from back on head frame.
- The front has an angle trim. Remove angle from front edge.



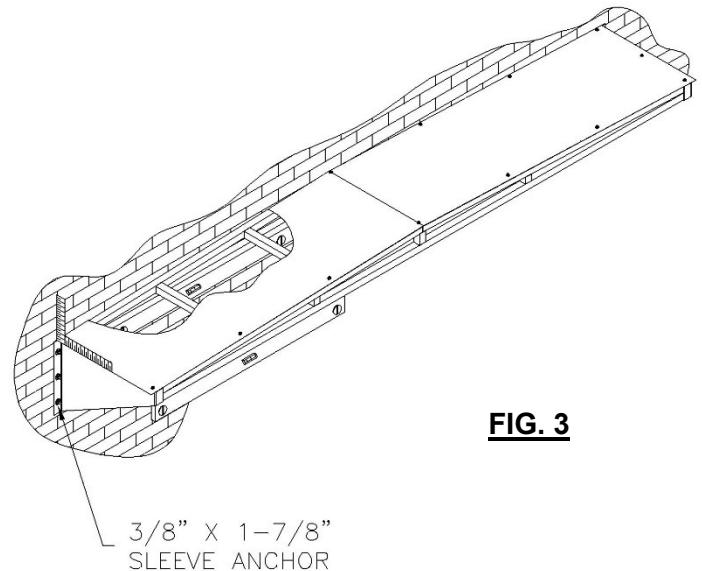
**FIG. 2**

## b. Lift head frame above opening.

**NOTE: USE SAFE AND APPROPRIATE LIFTING METHOD.**

- i. Place head frame on marks on wall (Fig 3).
- ii. Position head frame flush to wall.
- iii. Insert 3" sleeve anchors through back of head frame back board.
- iv. Insert 1-7/8" sleeve anchors or other mounting hardware into holes on the side canopy support.
- v. Tighten and secure.
- vi. Repeat for left and right support brackets.

**NOTE: THIS SHELTER MUST BE PLUMB, LEVEL AND SQUARE IN ORDER TO FUNCTION PROPERLY.**

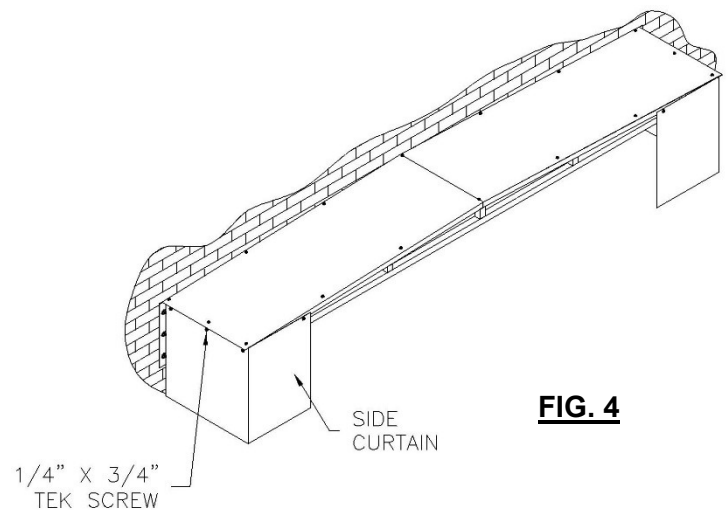


**FIG. 3**

## 4. ATTACH HEAD CURTAIN TO HEAD FRAME

### a. Attach side curtains (Fig 4).

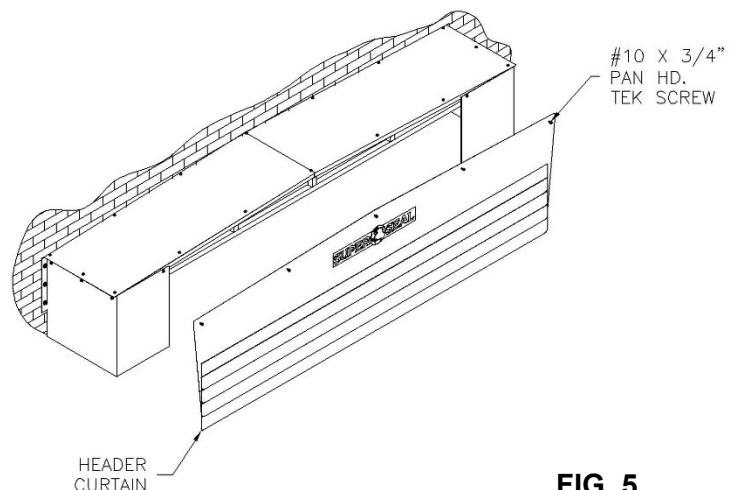
- i. Use TEK screws to attach side curtains flush to wall.



**FIG. 4**

### b. Position and secure header curtain.

- i. Logo is on front of header curtain.
- ii. Match the top center of header curtain with top of center head frame (Fig. 5).
- iii. Place raw edge flush to frame edge.
- iv. Secure with TEK screws.
- v. Spread the rest of header curtain along head frame.
- vi. Keep flush with edge, ensuring a tight fit.



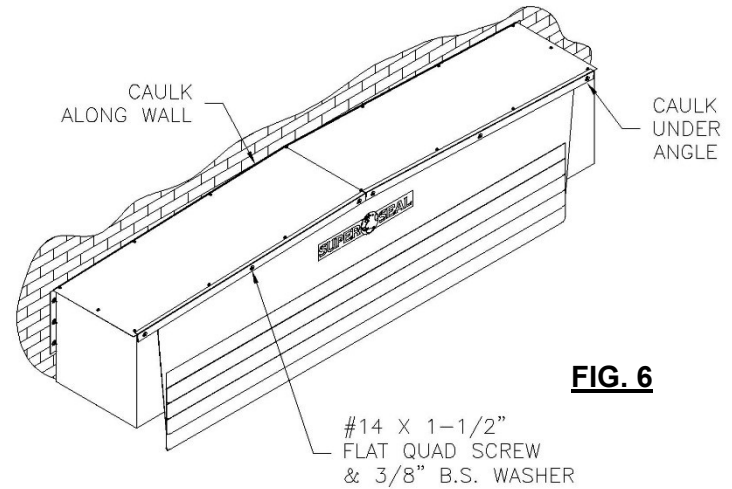
**FIG. 5**

**c. Re-attach angle to front edge of head frame.**

- i. Match holes in angle with header curtain stays.
- ii. Insert screws and 3/8" washer into holes (Fig. 6).
- iii. Secure.

**d. Attach header curtain to bottom frame member.**

- i. Insert screws and 3/8" washer through header curtain stays.



**FIG. 6**

**5. FINISHING INSTALLATION**

**a. Install canopy support straps.**

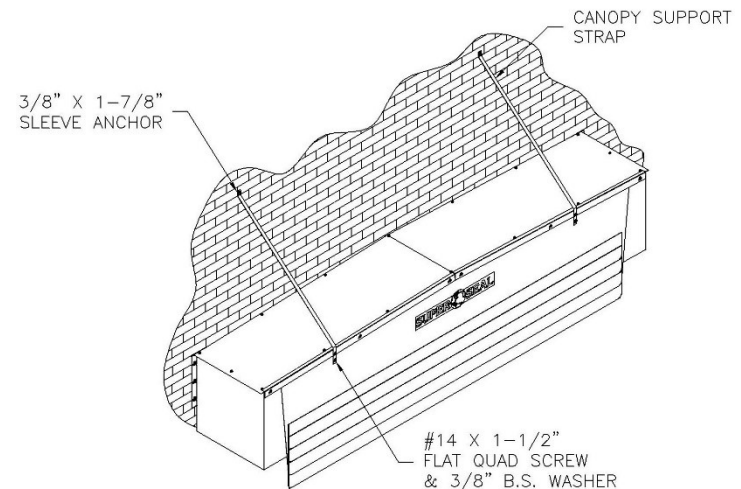
- i. Screw support straps to front of canopy.
- ii. Anchor straps to wall.

**b. Caulk between head frame and wall.**

An outdoor acrylic type caulking is recommended.

Caulk any gaps along:

- i. Cut side of head frame along wall.
- ii. Head frame angle.
- iii. Fill in any gaps remaining gaps around unit as needed.

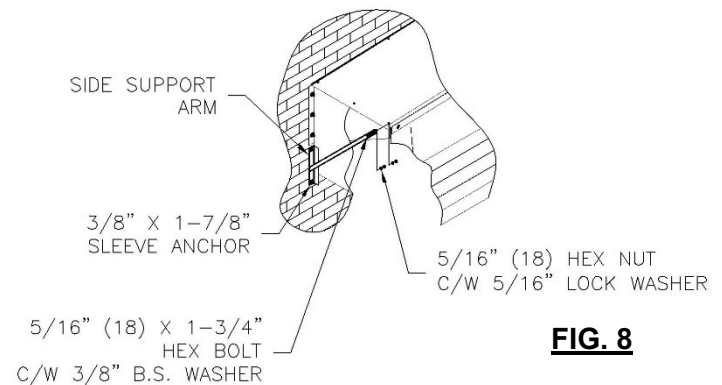


**FIG. 7**

**NOTE: IF MOUNTING ON SIDING OR ON PRE-CAST CONCRETE, FILL IN GAPS WITH POLYURETHANE FOAM.**

**NOTE: IF SIDE SUPPORT ARMS ARE PROVIDED INSTEAD OF CANOPY STRAPS SEE FIG. 8**

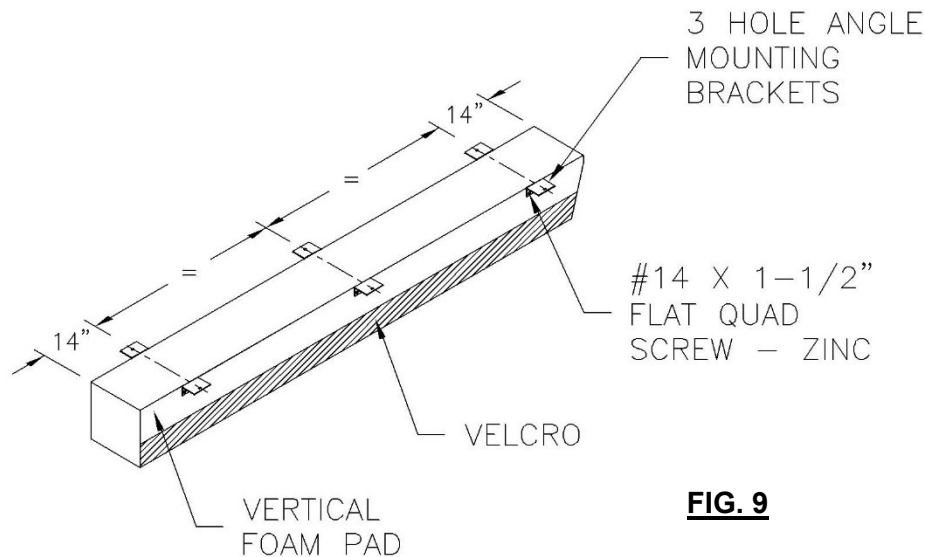
**NOTE: LOCATION OF SIDE SUPPORT ARM TO BE DETERMINED ON SITE AS TO ENSURE FLUSH MOUNTING AGAINST WALL AND HEADER FRAME.**



**FIG. 8**

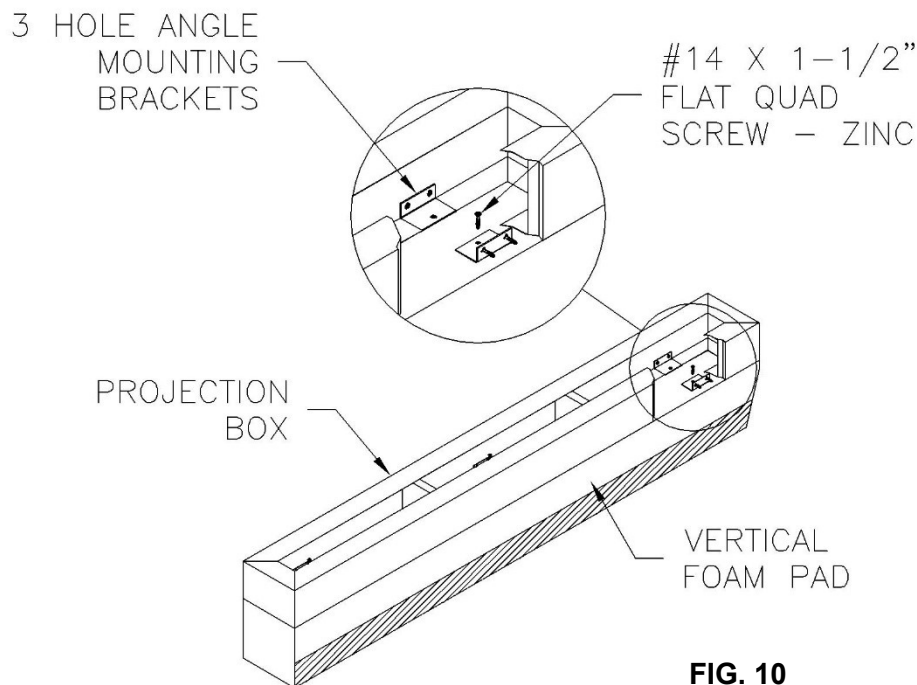
## 6. MOUNTING BRACKETS TO VERTICAL PADS

- i. Fasten galvanized steel angle brackets, using No. 14 wood screws, to the inside and outside perimeter of each vertical pad (Fig. 9).



**FIG. 9**

**NOTE: IF PROJECTION BOXES ARE PROVIDED, ATTACH FOAM VERTICALS TO PROJECTION BOXES WITH ANGLE BRACKETS FIRST, THEN USE THE ANGLE BRACKETS ON THE BACK FACE OF THE PROJECTION BOX (FIG. 10).**



**FIG. 10**

**NOTE: FINAL LOCATION OF BRACKET TO BE DETERMINED BY INSTALLER (FIG. 10) MOUNTING DIMENSIONS ARE A REFERENCE ONLY, TO SUIT SPACING OF THE MORTAR JOINTS OR OTHER WALL CONFIGURATIONS.**

## 8. VERTICAL INSTALLATION – POSITION VERTICAL PADS

- i. The outside dimension of the vertical pads is determined by measuring the overall header width minus four inches (4").
- ii. Typical vertical mounting is 48" high above Finished Grade.

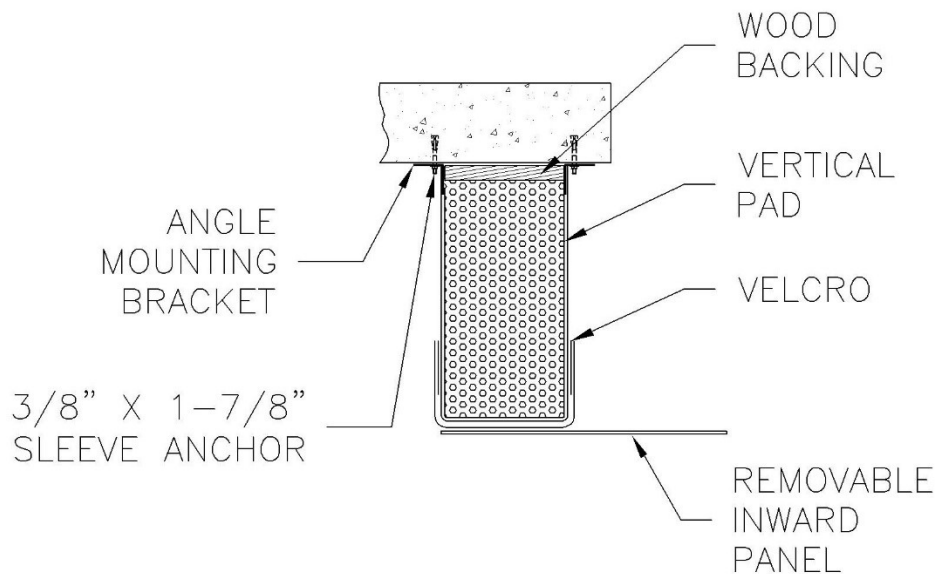
**NOTE: ASSUME HEIGHT FROM FINISHED GRADE TO DOCK IS 48" HIGH**

- iii. The bottom of the wood backing of the vertical pads should be even with the dock flood or at the top of the "above dock bumpers" on low docks.
- iv. Vertical pads must be plumb from top to bottom.

**NOTE: LOCATION OF THE VERTICAL PADS SHOULD BE CHECKED AND CONFIRMED WITH CUSTOMER OR SALES AGENT IN ORDER TO ENSURE PROPER LOCATION.**

## 9. FINISHING INSTALLATION OF VERTICALS: MOUNT VERTICAL PADS TO WALL

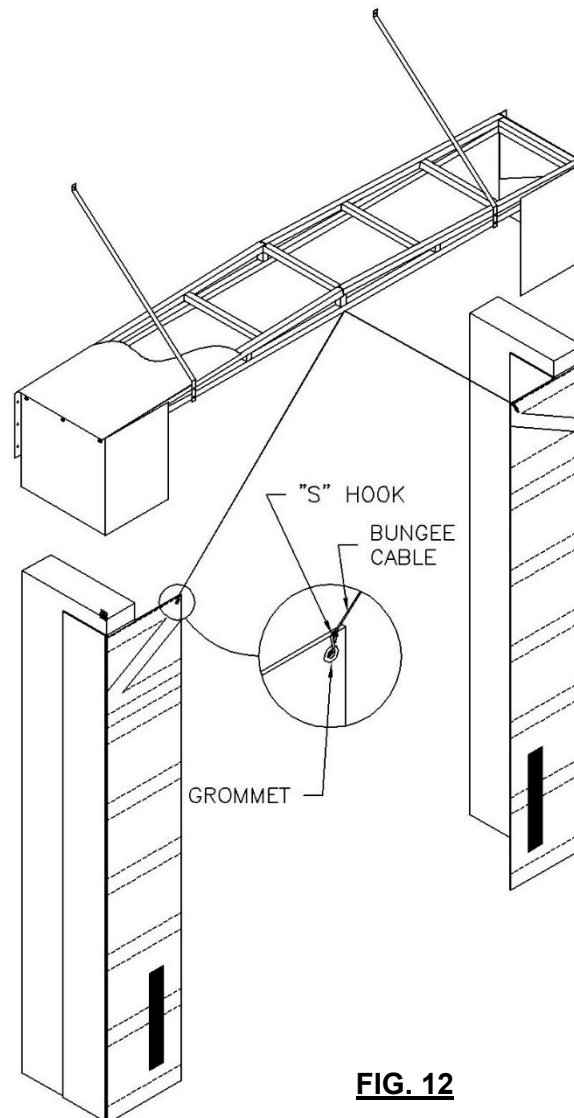
- i. Once the vertical pad is in position, drill a 3/8" hole into the mounting location and then drive a 3/8" sleeve anchor bolt (Fig. 11) through each bracket (**use holes provided**).
- ii. Once complete, repeat for remaining vertical pad.



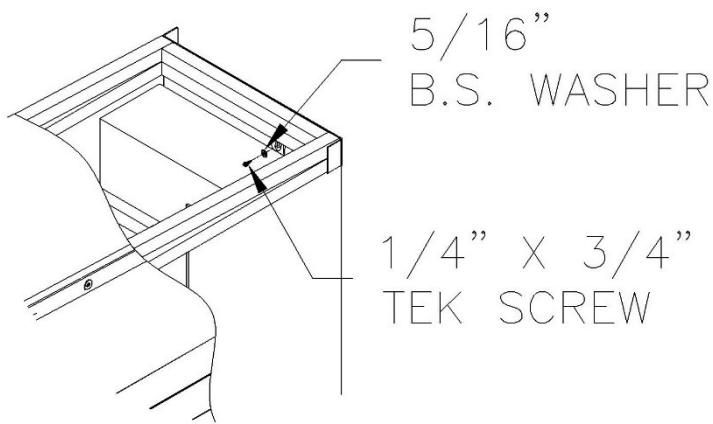
**FIG. 11**

- iii. Attach removable inward panels along the Velcro running the length of the vertical foam pad FLUSH form the bottom.

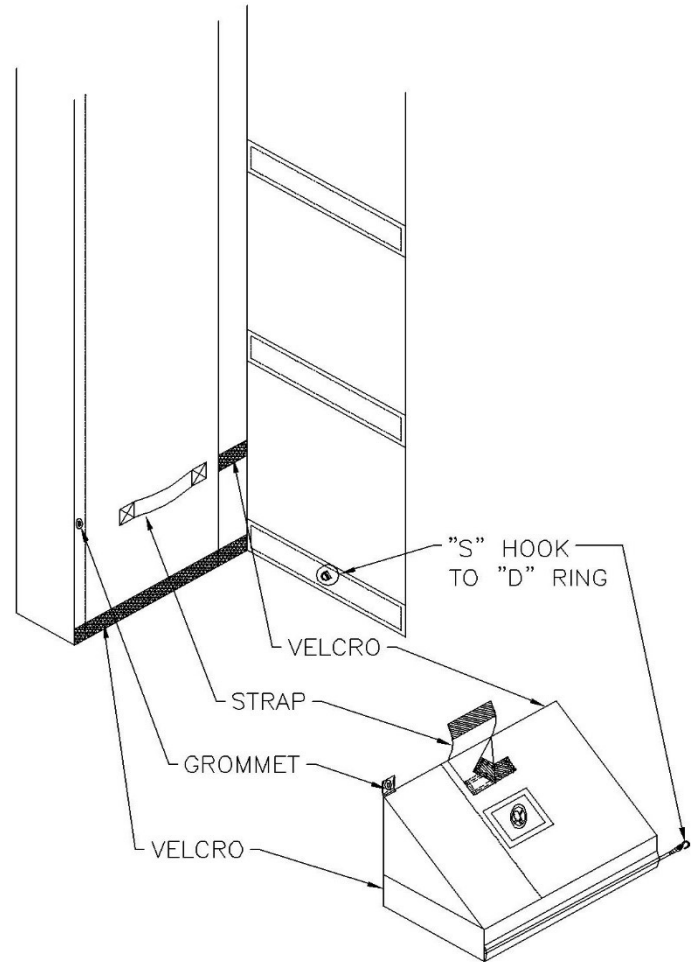
- iv. Attach the bungee cables to the removable inward panel by hooking the "S" hook through the grommets at the top corners of the left and right removable inward panels (Fig. 12).



- v. Secure verticals to header side supports by using 1/4" tek screws & 5/16" washers through the tabs at the top corners of vertical pads (Fig. 13).



**FIG. 13**



**FIG. 14**

- vi. Attach phantom draft pad to bottom inside of vertical pads. **FIRST**, attach the back face of the phantom draft pad to the inside face of the vertical pad. **SECOND**, pull strap on phantom draft pad through loop on inside face of vertical pad and Velcro back onto phantom draft pad top face., attach the phantom pad bungee cables to the removable inward panels by hooking the "S" hook through the grommet on the back of the removable panel (Fig 14).

**NOTE: IF MOUNTING ON SIDING OR ON PRE-CAST CONCRETE, FILL IN GAPS WITH POLYURETHANE FOAM.**

**CAULK ALONG:**

- i. Sides of vertical pads along wall.
- ii. Vertical mounting brackets.
- iii. Fill in any remaining gaps around unit as needed.



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## NOTES: