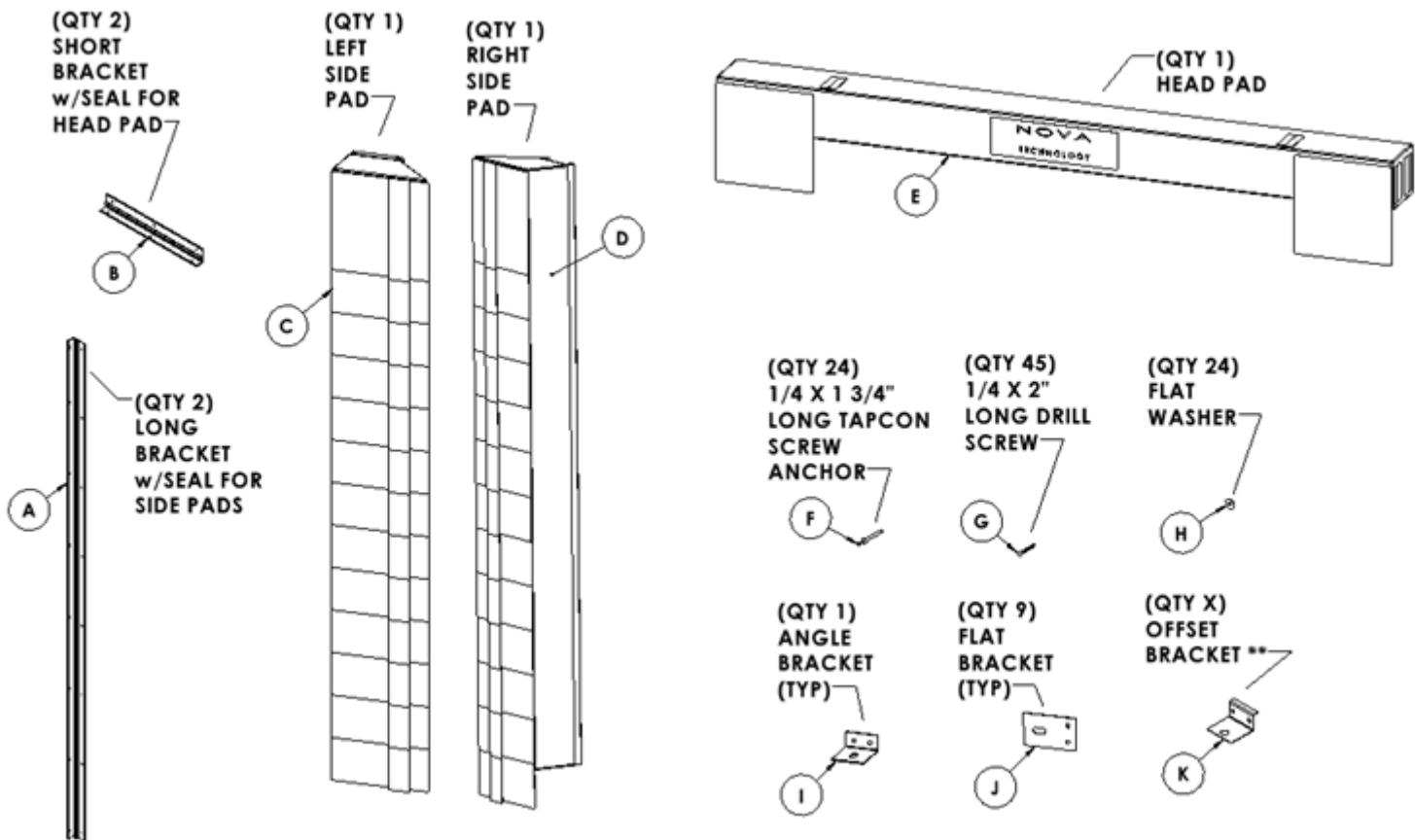


# FOREVERSEAL FOAM PAD (FP) DOCK SEAL INSTALLATION INSTRUCTIONS



(Right or left — read from outside facing building)

## PARTS LIST



ITEM NO.	DESCRIPTION	QTY
A	LONG BRACKET W/SEAL	2
B	SHORT BRACKET W/SEAL	2
C	LEFT SIDE PAD	1
D	RIGHT SIDE PAD	1
E	HEAD PAD	1
F	1/4 X 1 3/4" LONG TAPCON SCREW ANCHOR	24
G	1/4 X 2" LONG DRILL SCREW	45
H	FLAT WASHER	24
I	ANGLE BRACKET	1
J	FLAT BRACKET	9
K	OFFSET BRACKET ** Optional - see note	X

DOORS 8' OR WIDER WILL USE THE FOLLOWING BRACKETS:

- (9) FLAT BRACKETS (J)

DOORS LESS THAN 7'-4" WIDE WILL USE THE FOLLOWING BRACKETS:

- (3) FLAT BRACKETS (J)
- (6) OFFSET BRACKETS (K)

FOR DOOR WIDTHS BETWEEN 7'-4" & 8":

- SEE PACKING SLIP FOR BRACKET TYPE

### NOTICE

DO NOT OVER TIGHTEN ITEM F & ITEM G.

### NOTICE

DO NOT USE NAILS ON ANY PLASTIC PARTS;  
USE 1/4"x2" DRILL SCREWS.

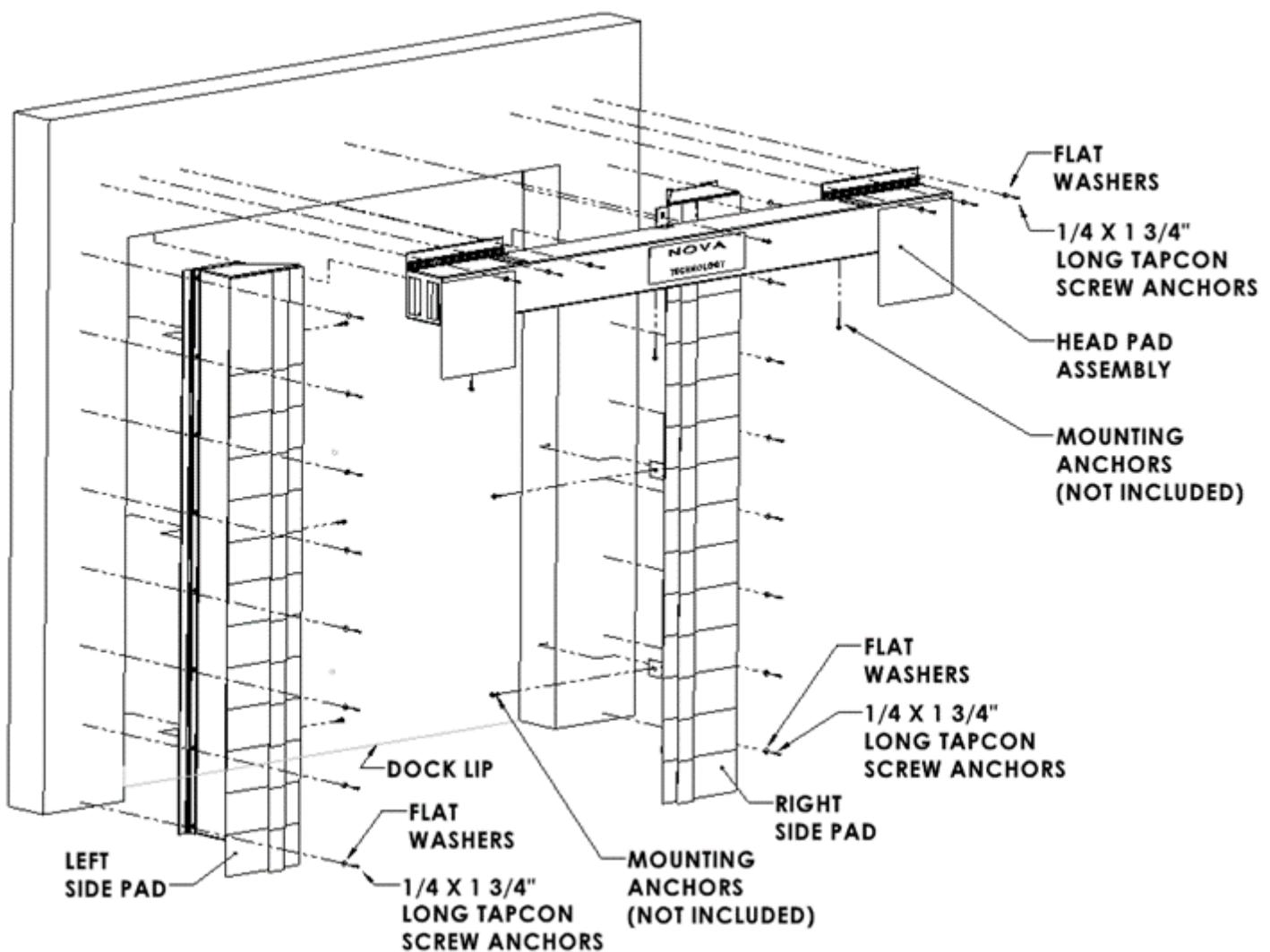
## SUGGESTED MOUNTING METHODS TO BUILDING

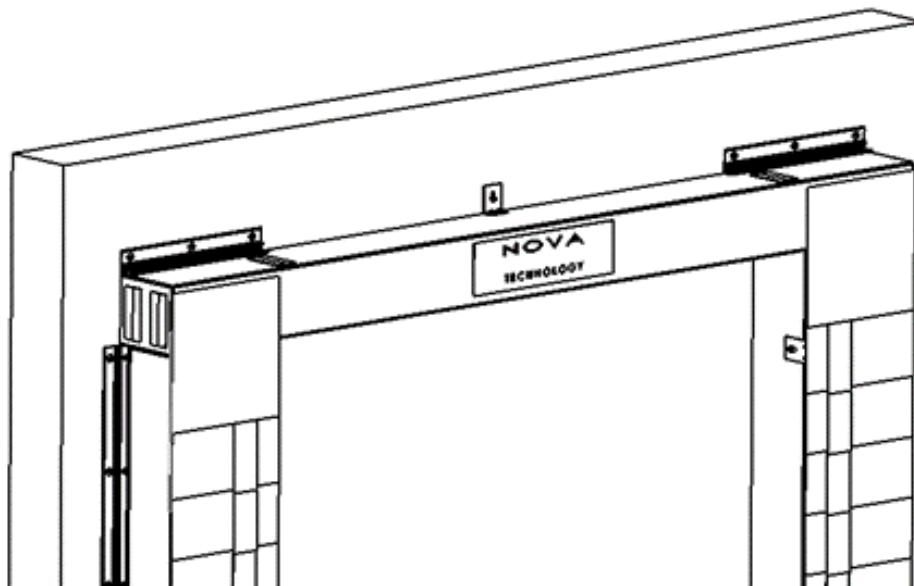
### BRICK WALL OR CONCRETE BLOCK OR PRECAST CONCRETE:

1. Use supplied 1/4"x1 3/4" Long Tapcon Screw Anchors on the Long Brackets w/Seal (on outside of Left and Right-Side Pads) and on the Short Brackets w/Seal (upper left and upper right corners of Head Pad).
2. Use contractor supplied 1/2" or 3/8" diameter x minimum 1 7/8" long anchors to connect the Flat Brackets, Offset Brackets and Angle Bracket to the building at the side and top of the door opening.
3. Use through bolt fastening (minimum 2 per frame member) if anchors will not hold - 3/8" threaded rod is recommended.

**METAL SKIN BUILDING:** Through bolt fastening as above. Use a back-up plate (steel or wood) to support bolts, or anchor through existing building girt or purlin when possible.

### FOREVERSEAL FOAM PAD (FP) DOCK SEAL TYPICAL ARRANGEMENT





**1. MARKINGS:**

- a. Measure the center of door opening and mark it on the building.
- b. Measure and mark the center of the Head Pad on the top side and bottom side (to be used later for head pad assembly step).

**2. INSPECT THE LONG AND SHORT BRACKETS W/SEALS (A & B) – 2 Long pieces & 2 Short pieces:**

- a. A seal is factory attached to each bracket.
- b. Inspect the (2) Long Brackets w/Seals (A) to confirm that the seal is held tightly to the bracket along the full length.
- c. If the seal is not held tightly to the bracket at any point along the length, then press the seal tightly at this point ensuring the seal and bracket are flush as shown below (Figure 1). Repeat for any area that is not held tightly.
- d. Repeat steps 2b-2c for the (2) Short Brackets w/Seals (B).

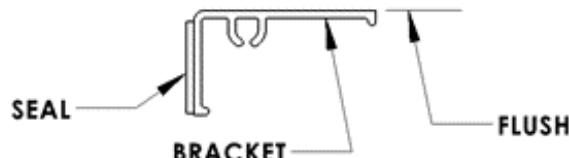


FIGURE 1

**3. ATTACH LONG BRACKET w/ Seal (A) TO RIGHT SIDE PAD (D):**

- a. Place the Long Bracket w/Seal (A) next to the Right-Side Pad (D), ensuring that the ends of the bracket are flush with the ends of the Side Pad Backer.
- b. Fastener quantity will vary depending on the length of Side Pad (see below). For 9' Side Pads, use a total of 8 mounting fasteners: 1 near the top, 1 near the bottom, and 6 equally spaced in between.

**(7) FASTENERS TO BE USED ON 8' SIDE PADS.**  
**(8) FASTENERS TO BE USED ON 9' SIDE PADS.**  
**FOR ALL OTHER SIDE PAD LENGTHS, SPACE FASTENERS UNIFORMLY 14"-16" APART.**

c. Mark the screw locations on the short side lip of the bracket for the fasteners, as shown (Figure 2 & Figure 3). Fasteners need to be spaced 14-16" apart. Ensure the new screw locations are not in line with the existing screws on the side of the Right-Side Pad (D).

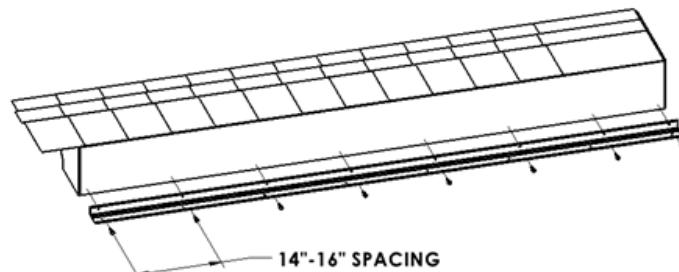


FIGURE 2

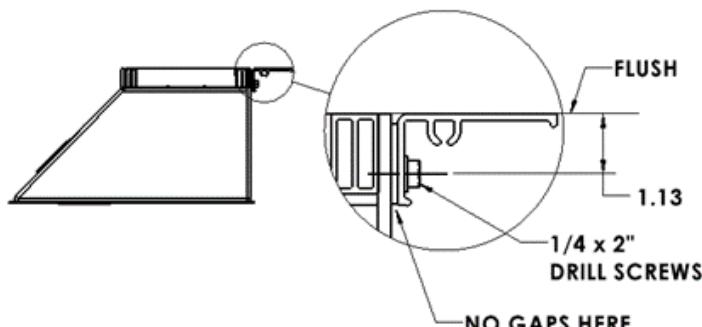


FIGURE 3

d. Use the markings above to screw the Long Bracket w/Seal (A) to the Right-Side Pad (D) using the supplied 1/4"x2" Long Drill Screws (G). Make sure the back side of the Long Side Bracket w/Seal and back side of the Right-Side Pad are flush, as shown (Figure 3). Also, ensure that there are no gaps between them.

#### 4. ATTACH LONG BRACKET w/Seal (A) TO LEFT SIDE PAD (C):

- Place the Long Bracket w/Seal (A) next to the Left-Side Pad (C), ensuring that the ends of the bracket are flush with the ends of the Side Pad Backer.
- Fastener quantity to be the same as used on the Right-Side Pad.
- Mark the screw locations on the short side lip of the bracket for the fasteners, as shown (Figure 4 & Figure 5). Fasteners need to be spaced 14"-16" apart. Ensure the new screw locations are not in line with the existing screws on the side of the Left-Side Pad (C).

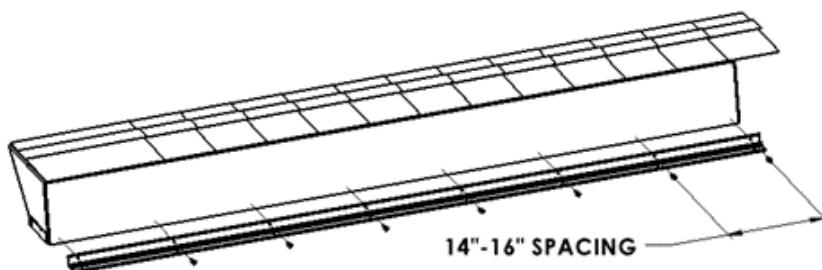


FIGURE 4

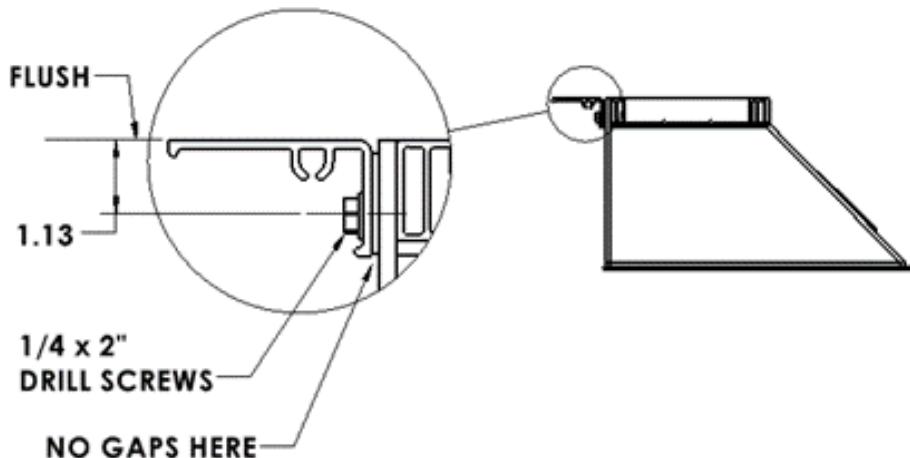


FIGURE 5

- d. Use the markings above to screw the Long Bracket w/Seal (A) to the Left-Side Pad (C) using the supplied 1/4"x2" Long Drill Screws (G). Make sure the back side of the Long Side Bracket w/Seal and back side of the Left-Side Pad are flush, as shown (Figure 5). Also, ensure that there are no gaps between them.

5. **ATTACH BRACKETS (J or K) TO BOTH SIDE PADS:** Attach (3) Brackets (J or K) to each Side Pad. See the Parts List page to determine which bracket type is used to connect each Side Pad to the side of the door frame opening. Each bracket will be attached with (2) 1/4"x2" Long Drill Screws (G). Mount the edge of the bracket 1 1/2" off the edge of the Side Pad as shown (Figure 6).

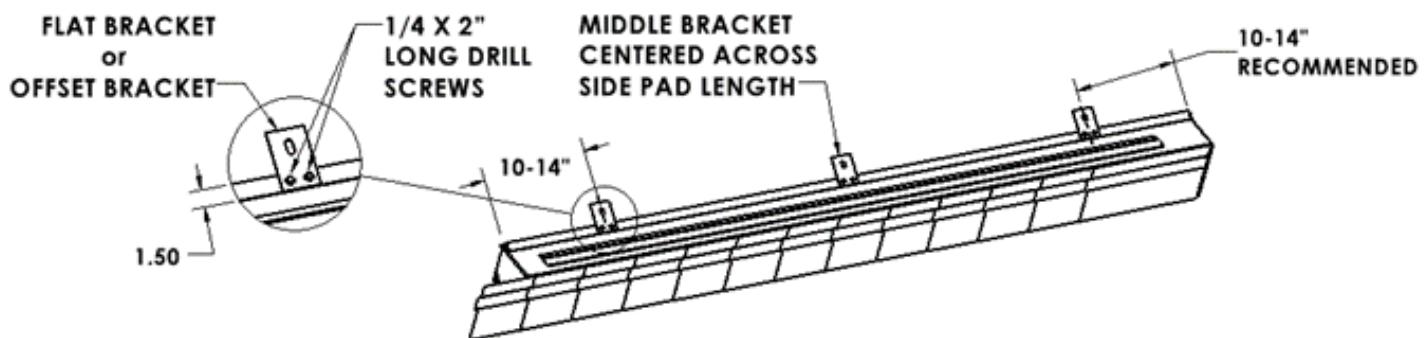


FIGURE 6

## NOTICE

**DO NOT USE NAILS ON ANY PLASTIC PARTS; USE 1/4" X 2" DRILL SCREWS.**

6. **MOUNT RIGHT SIDE PAD (D) TO WALL:**

- a. Ensure the building's mounting surface is cleaned of any previous equipment, wall anchors, etc.
- b. Mount the Right-Side Pad (D) on the inside edge of the door jamb ensuring the bottom of the Side Pad Backer is flush with the dock floor (Figure 7 & Figure 8).

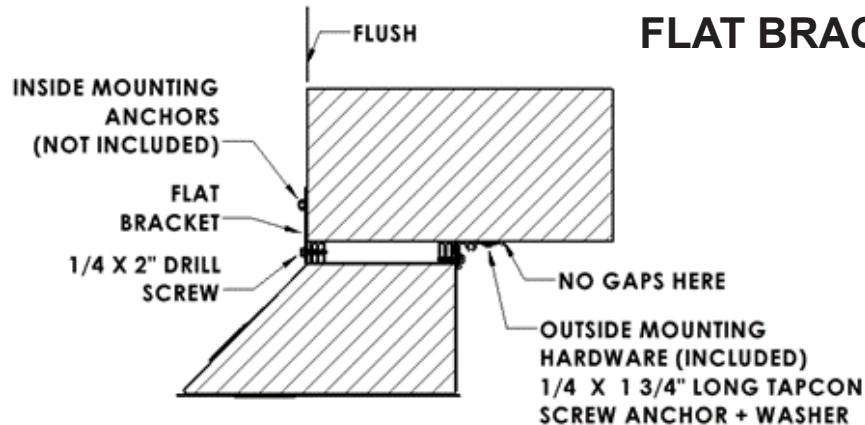


FIGURE 7

OR

OFFSET BRACKET INSTALL

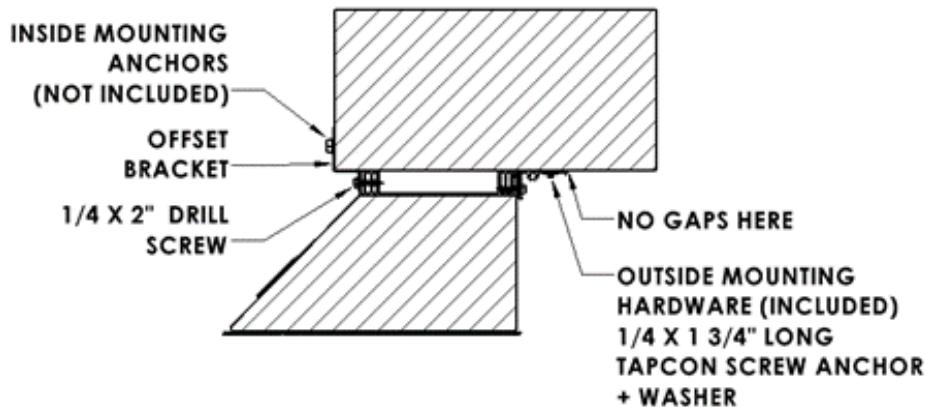


FIGURE 8

- c. Make sure the Right-Side Pad (D) is perfectly plum. Drill the inside mounting holes for the Flat Brackets (J) or Offset Bracket (K) depending on mounting style. Use 1/2" or 3/8" diameter anchors that are at least 1 7/8" long (supplied by the contractor) to connect the Flat Brackets or the Offset Brackets to the side opening of the door on the inside—use 1 fastener per bracket.
- d. The Right-Side Pad (D) will be secured to the building using 1/4"x1 3/4" Long Tapcon Screw Anchors (F) and Flat Washers (H). Fastener quantity will vary depending on the length of Side Pad (see below). For 9' Side Pads, use a total of 8 mounting fasteners: 1 near the top, 1 near the bottom, and 6 spaced in between.

**(7) FASTENERS TO BE USED ON 8' SIDE PADS.**  
**(8) FASTENERS TO BE USED ON 9' SIDE PADS.**  
**FOR ALL OTHER SIDE PAD LENGTHS, SPACE FASTENERS UNIFORMLY 14"-16" APART.**

- e. The anchors with washers should be spaced 14"-16" apart and ideally placed in mortar joints when possible. Drill the holes into the bracket and wall for the Tapcon Screw Anchors using a 3/16" diameter masonry drill bit. Fasten each anchor with washer as shown (Figure 7, Figure 8 & Figure 9).

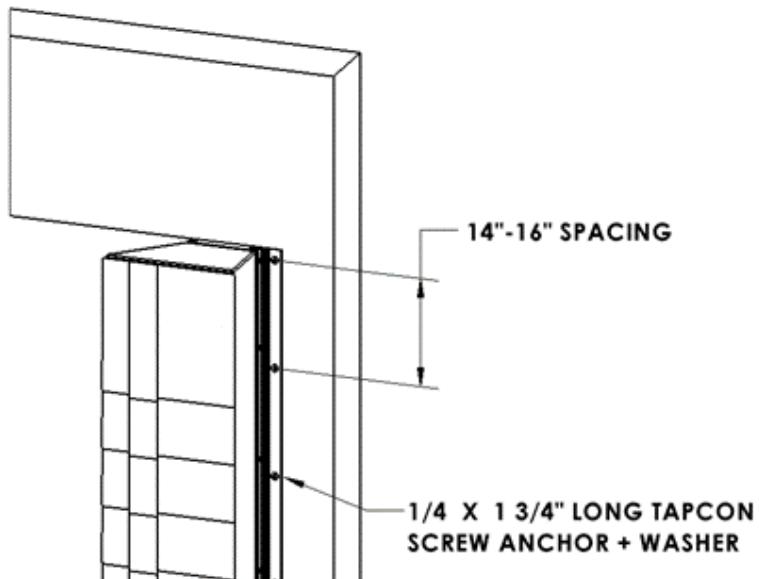


FIGURE 9

- f. Ensure no gaps exist between the side bracket and wall.

**7. MOUNT LEFT SIDE PAD (C) TO WALL:** Same process as Right-Side Pad mounting.

**8. ATTACH MOUNTING BRACKETS TO HEAD PAD (E):**

- a. Mount (3) Flat Brackets (J) to the bottom side of the Head Pad (E) as shown (Figure 10 & Figure 11). The middle flat bracket will be centered across the length of the Head Pad. The end brackets should be positioned 8-12" inside each left and right-side door jamb. All (3) Flat Brackets mount 1 1/2" from the back face of the Head Pad as shown (Figure 11). Ensure the new screw locations are not in line with the existing screws on the bottom side of the Head Pad. In rare instances, the Head Pad will mount above the top of the door opening. These instances will use (3) Offset Brackets (K) instead of the (3) Flat Brackets (J) to connect the Head Pad above the door frame opening (see Fig 8 for reference).

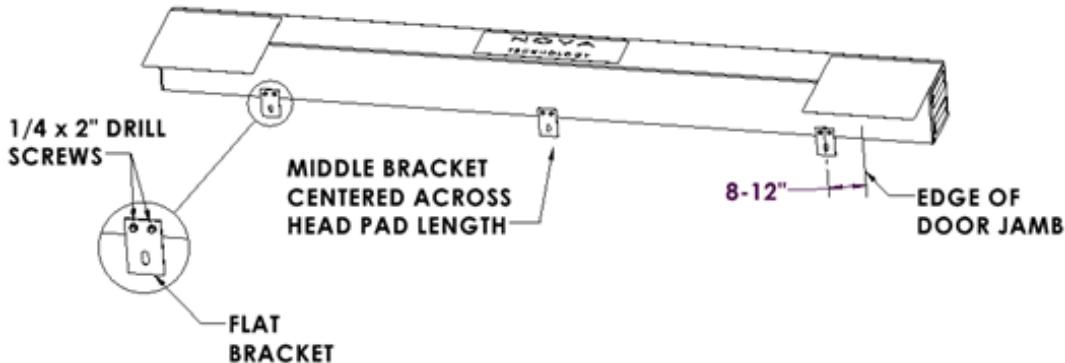


FIGURE 10

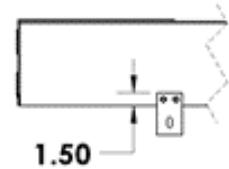


FIGURE 11

- b. Mount (1) Angle Bracket (I) to the top side of the Head Pad (E) centered across the length of the Head Pad. The back face of the Angle Bracket is to be flush with the back face of the Head Pad (Figure 12 & Figure 13). Ensure the new screw locations are not in line with the existing screws on the top side of the Head Pad.

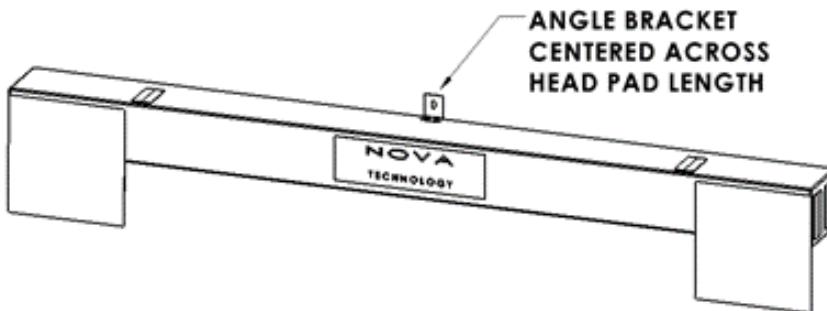


FIGURE 12

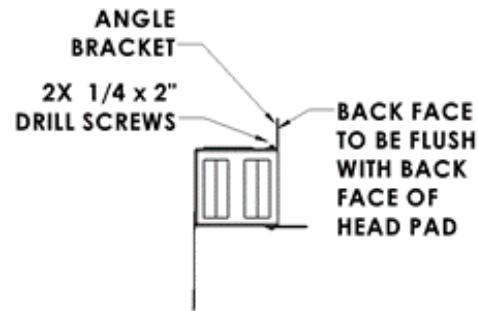


FIGURE 13

- c. Mount (2) Short Brackets w/Seal (B) to the top ends of the Head Pad (E). Position the first Short Bracket w/Seal on the top left side of the Head Pad flush with the end face of the Head Pad backer. The back face of the Short Bracket w/Seal needs to be flush with the back face of the Head Pad (Figure 14). The seal side has to lay flat on top of the Head Pad. Mark the (3) drilling locations at each end of the horizontal bracket leg, 1 1/8" from the back face, and then secure the Short Bracket w/Seal using the provided fasteners as shown below (Figure 15). Ensure the new screw locations are not in line with the existing screws on the top of the Head Pad. Repeat this process for attaching the Short Bracket w/Seal on the right end of the Head Pad.

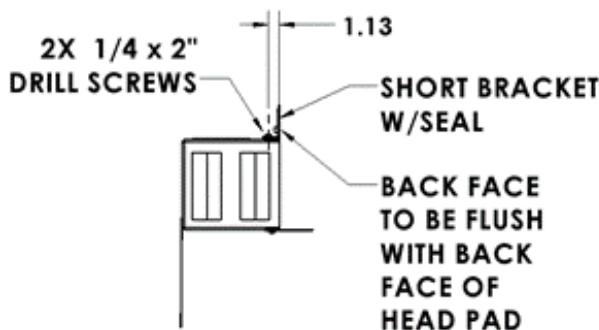


FIGURE 14

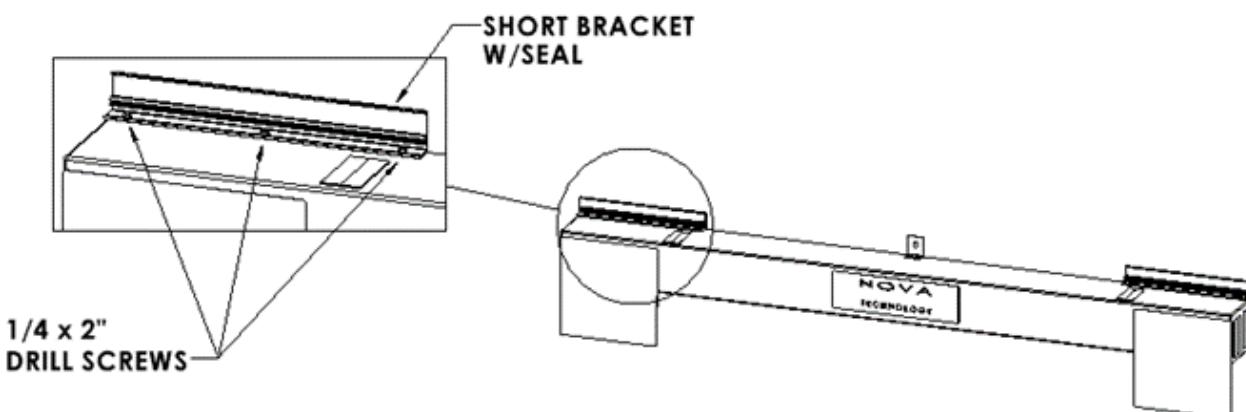


FIGURE 15

## NOTICE

DO NOT USE NAILS ON ANY PLASTIC PARTS;  
USE 1/4"x2" DRILL SCREWS.

**9. MOUNT HEAD PAD ASSEMBLY TO WALL:**

- a. Place the Head Pad Assembly on the top of the Side Pads. Shift the Head Pad Assembly horizontally until the center mark on the Head Pad Assembly aligns with the center marking on the building (Step 1). The ends of the Head Pad Assembly should be flush with the Side Pads. Use 1/2" or 3/8" diameter anchors that are at least 1 7/8" long (supplied by the contractor) to secure the (3) Flat Brackets to the top of the door opening on the inside—use 1 fastener per bracket. (Figure 16).

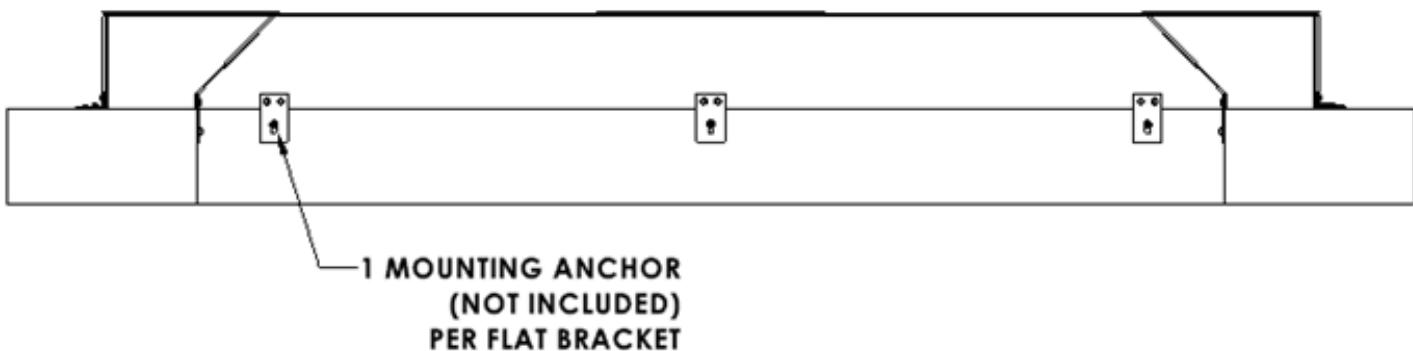


FIGURE 16

- b. Use a 1/2" or 3/8" diameter anchor that is at least 1 7/8" long (supplied by the contractor) to secure the (1) Angle Bracket (!) to the outside of the door opening—use 1 fastener (Figure 17).
- c. Use a 3/16" diameter masonry drill bit to drill 3 holes in the left-side Short Bracket w/Seal (B) and wall. Next, drill 3 holes into the right-side Short Bracket w/Seal (B) and wall. Fasten each anchor with washer as shown (Figure 17).

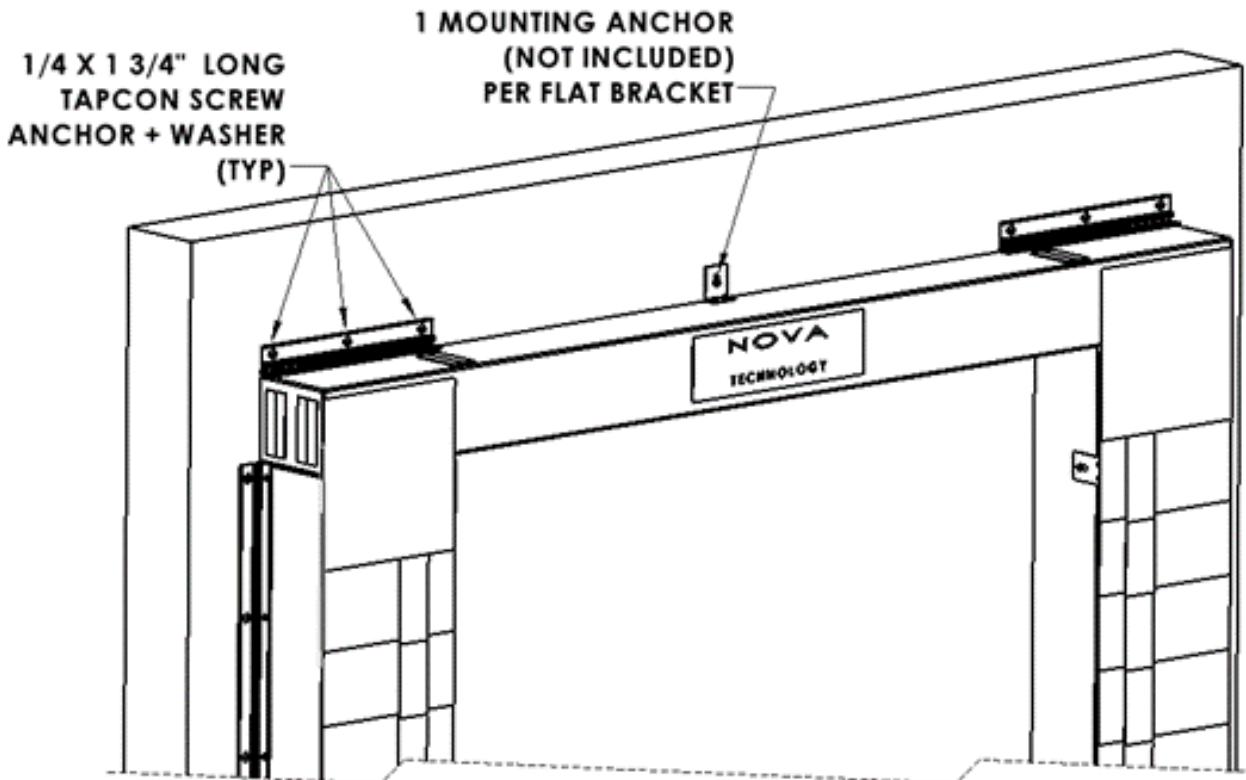


FIGURE 17

**10. SEAL PERIMETER:** Apply sealant to all outer edges (Figure 18). Vulkem® 116 is our recommended sealant for best results.

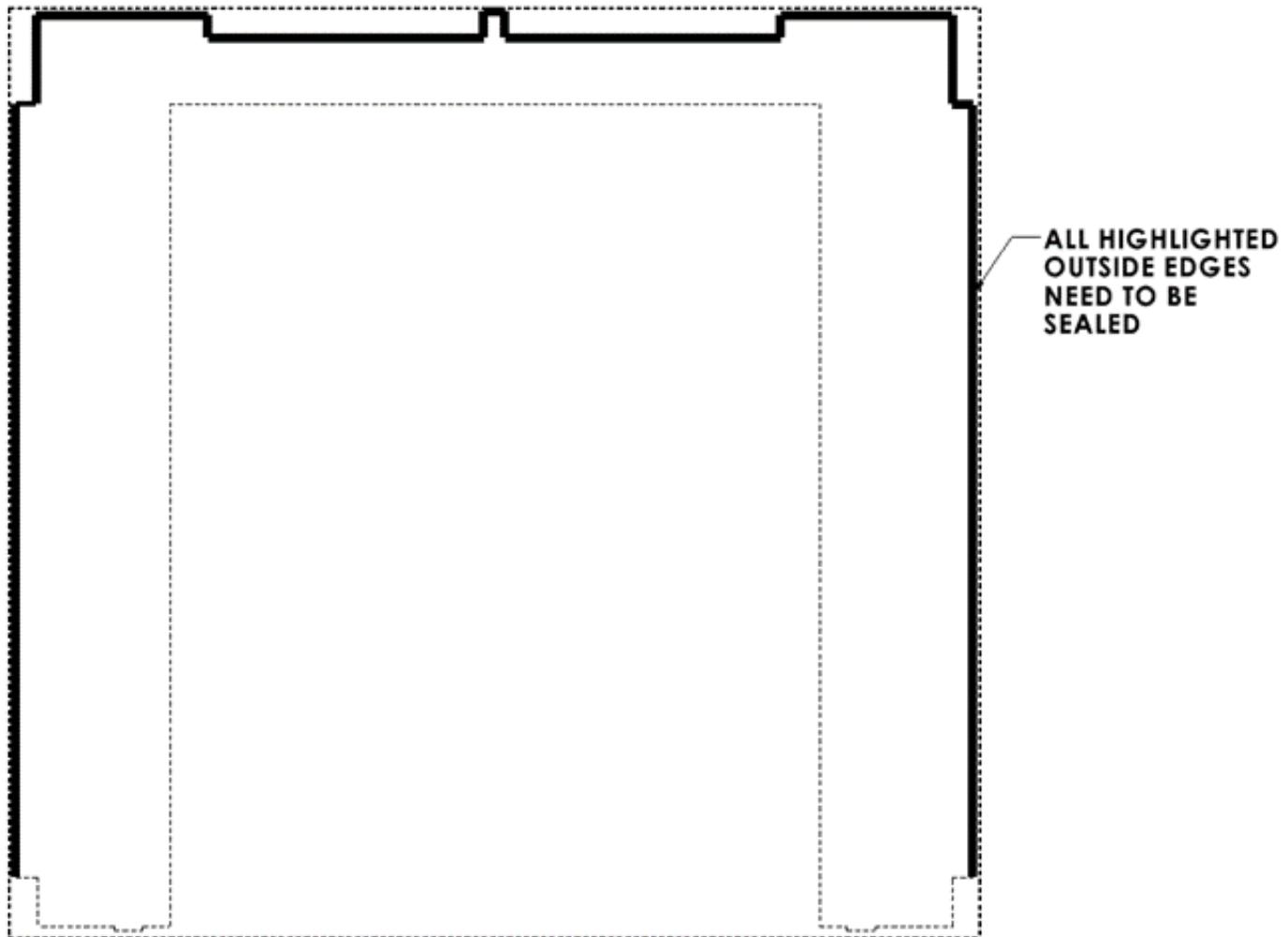


FIGURE 18



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