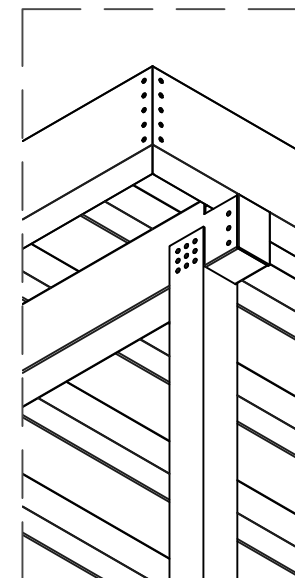
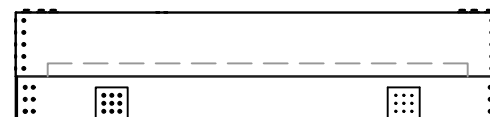
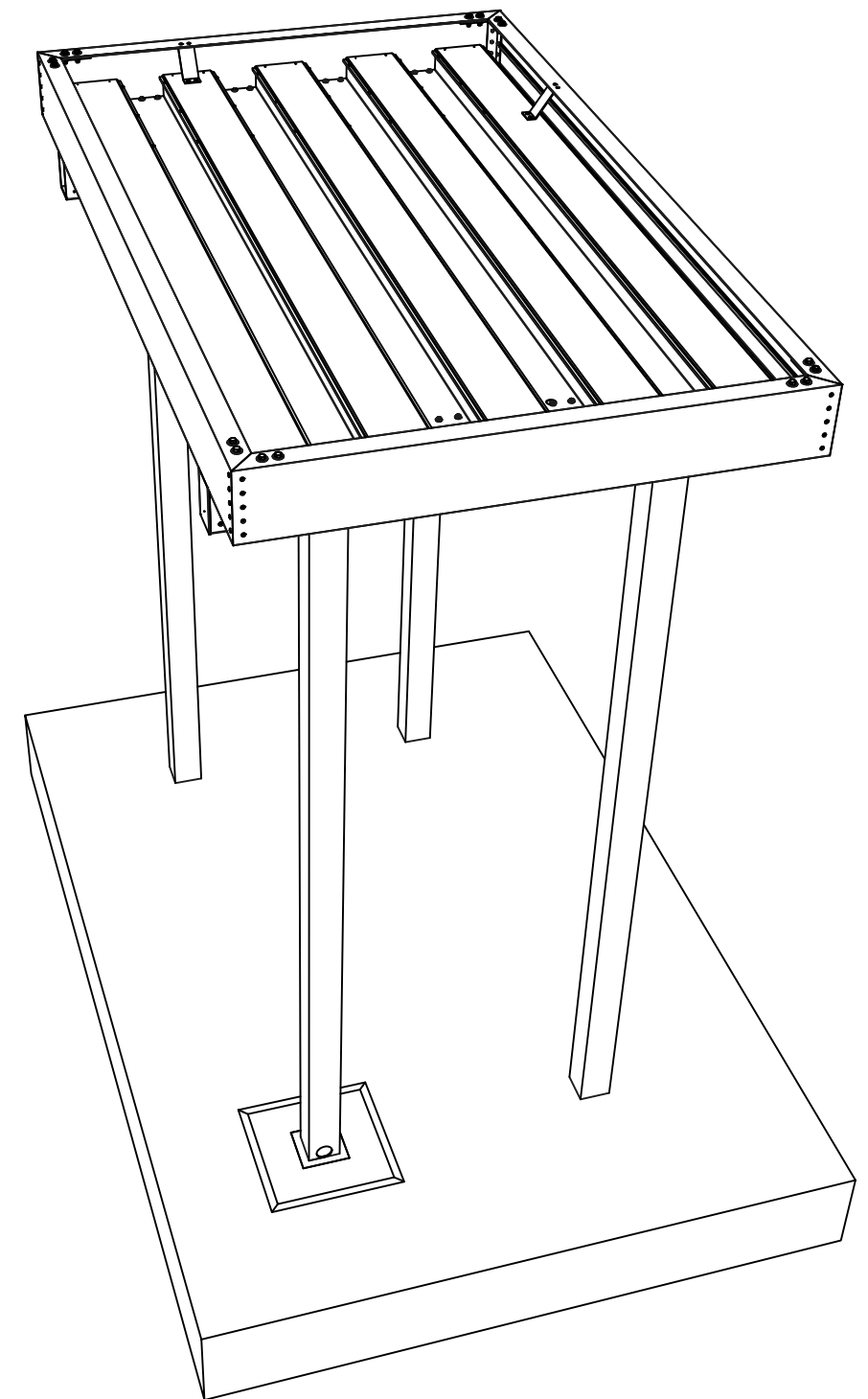
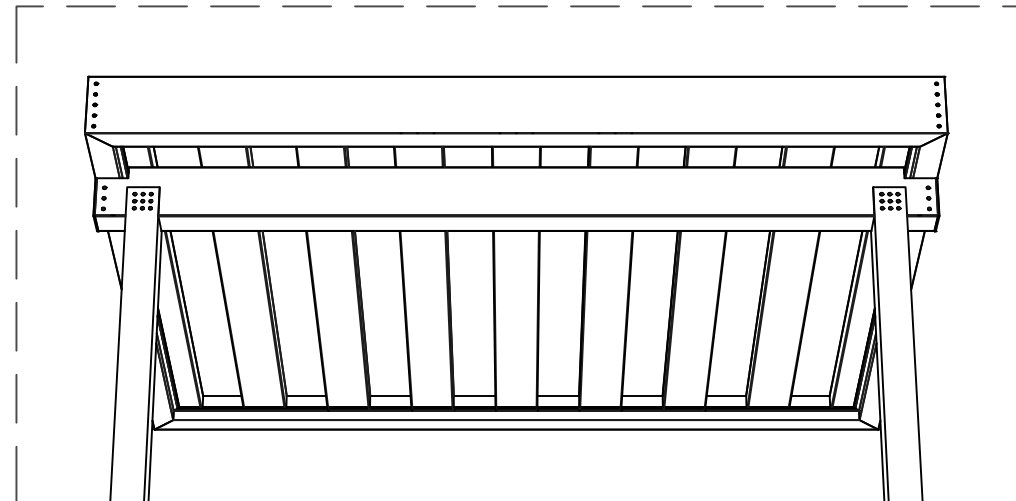
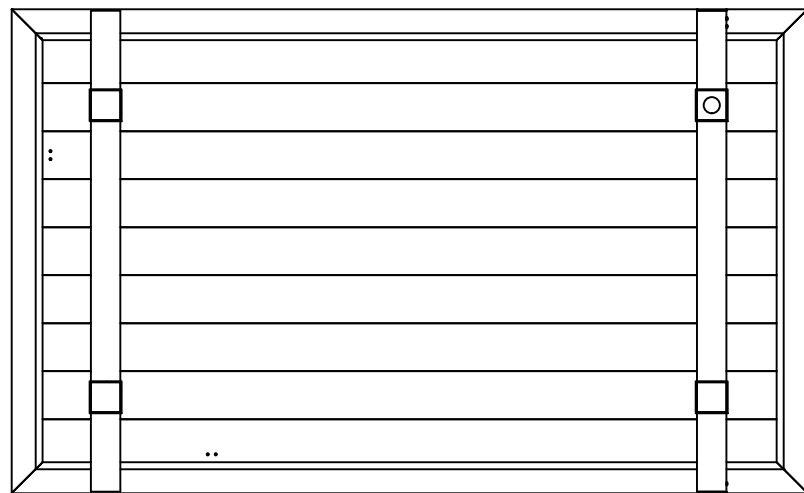


# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

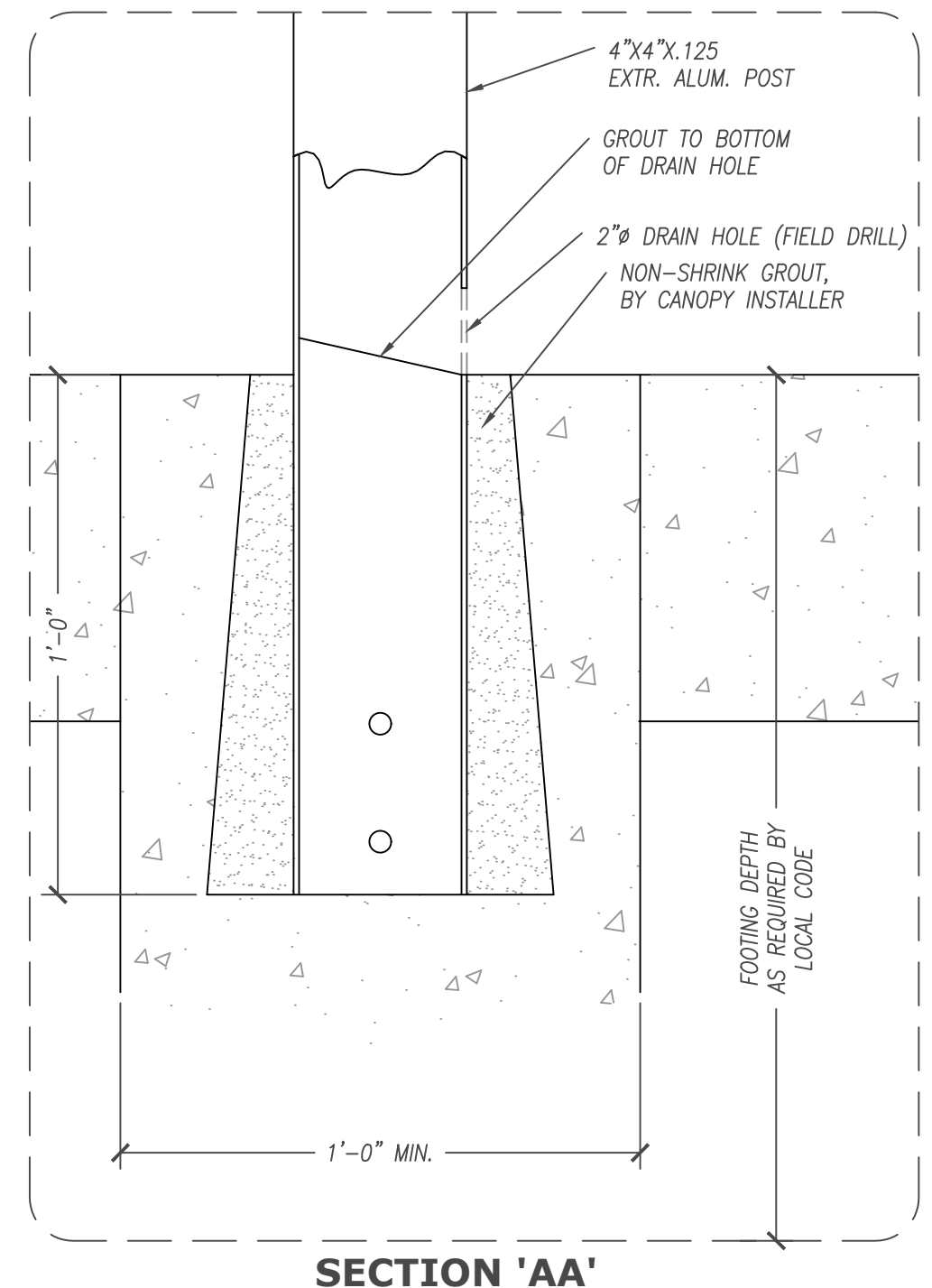
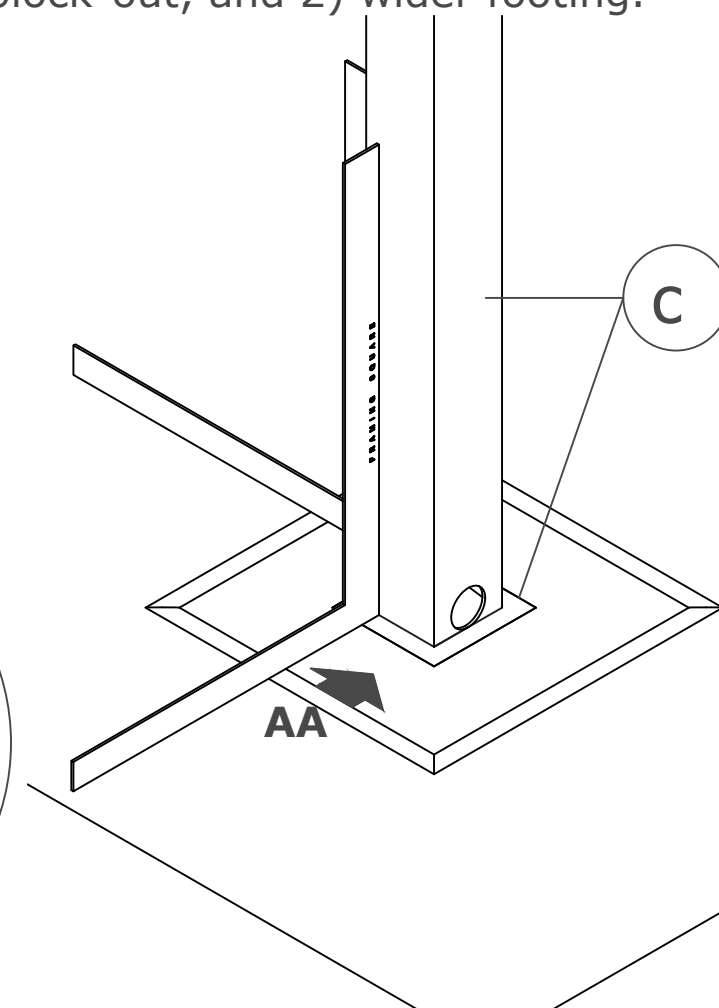
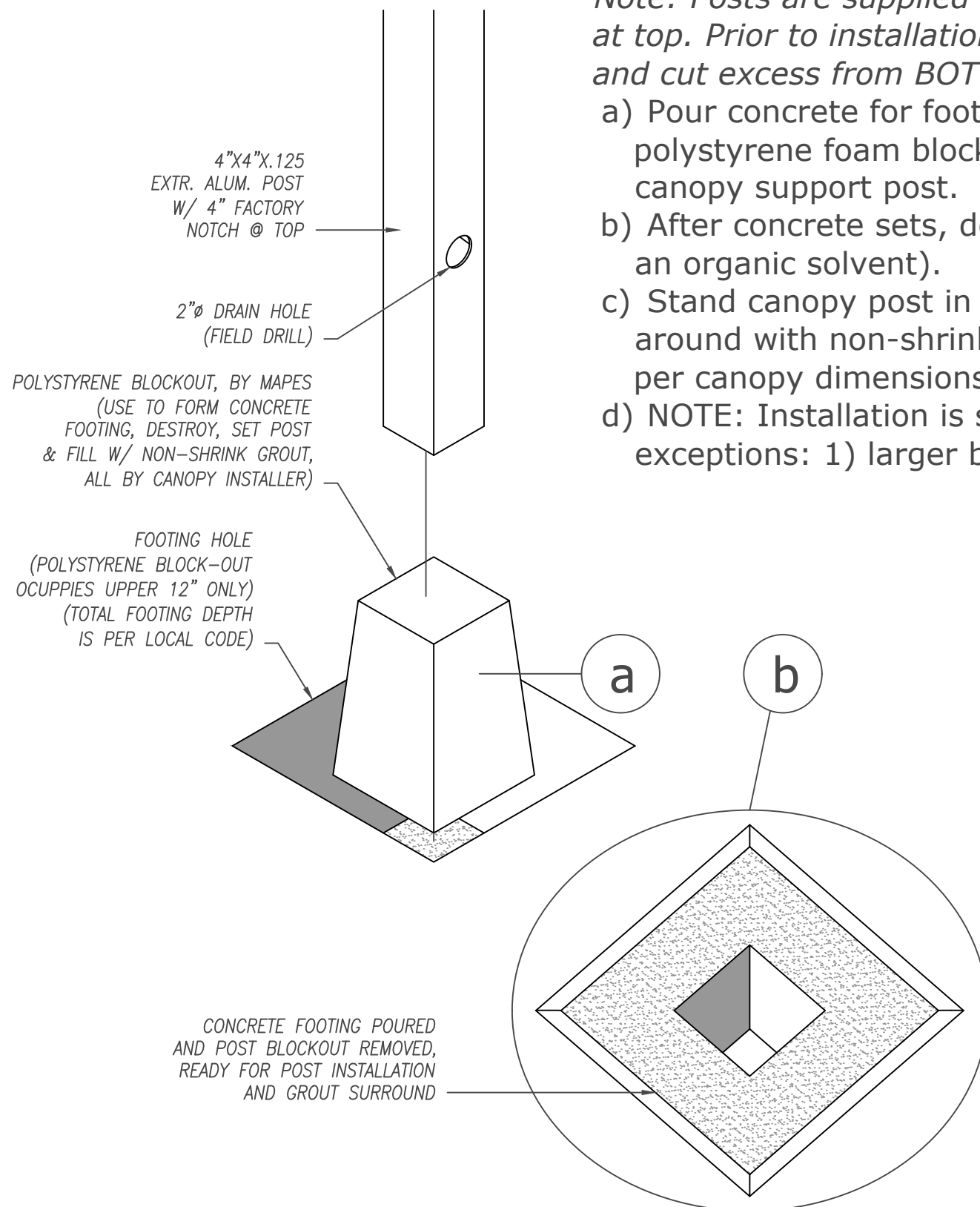


# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

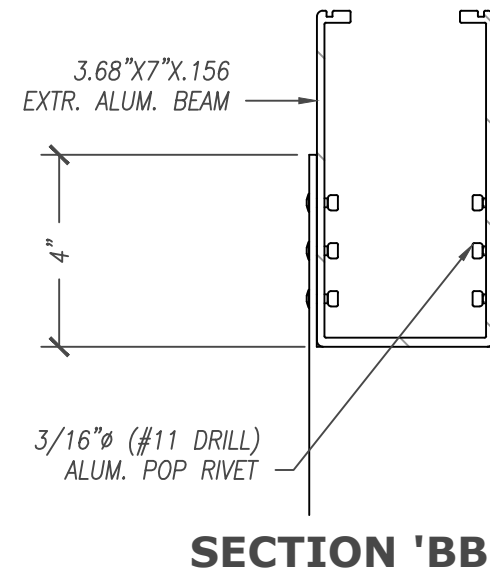
## 1. Footing for Post:

\* *Note: Posts are supplied "long" and are factory-notched at top. Prior to installation, verify required post height, and cut excess from BOTTOM end.*

- Pour concrete for footings, surrounding expanded polystyrene foam block-out to form grout well for canopy support post.
- After concrete sets, destroy block-out (usually with an organic solvent).
- Stand canopy post in the correct location and fill all around with non-shrink grout (maintain post position per canopy dimensions until grout sets).
- NOTE: Installation is similar for 6" post, with these exceptions: 1) larger block-out, and 2) wider footing.

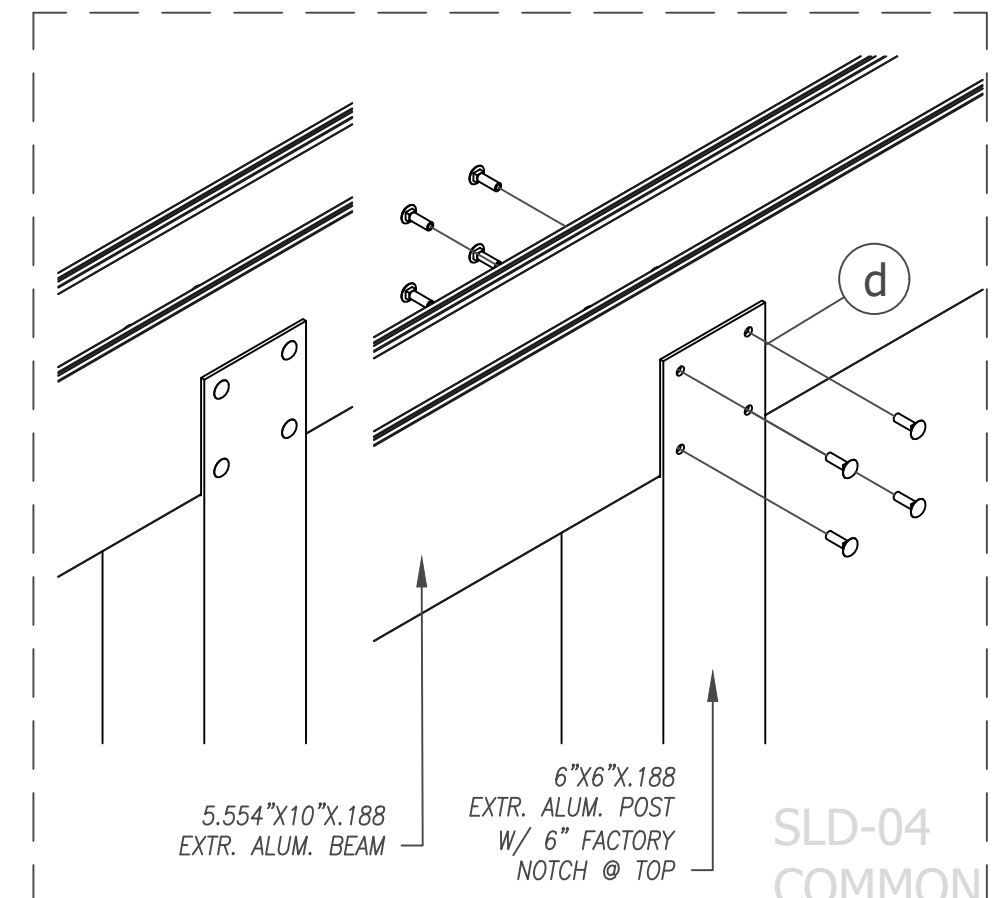
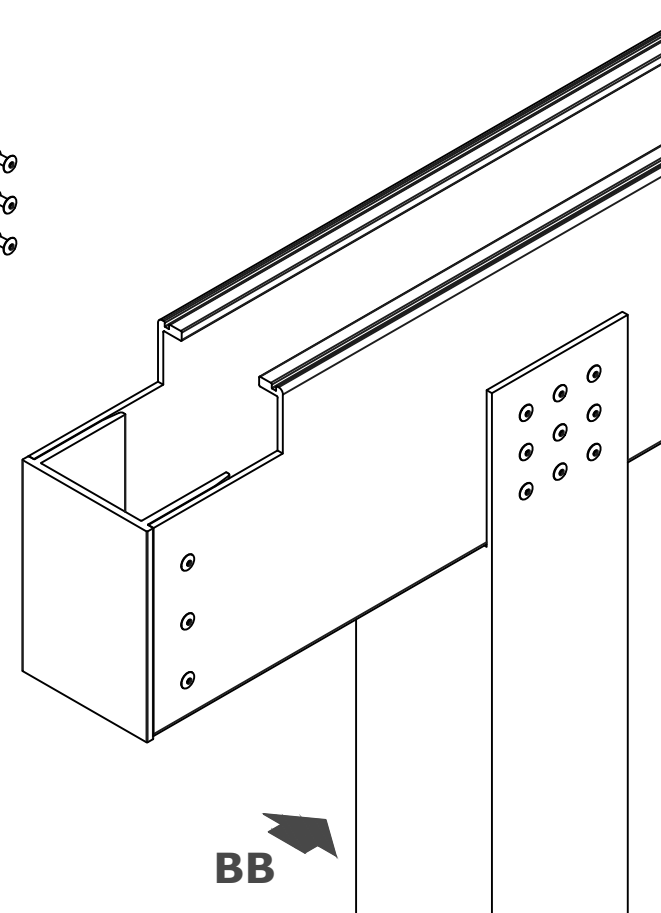
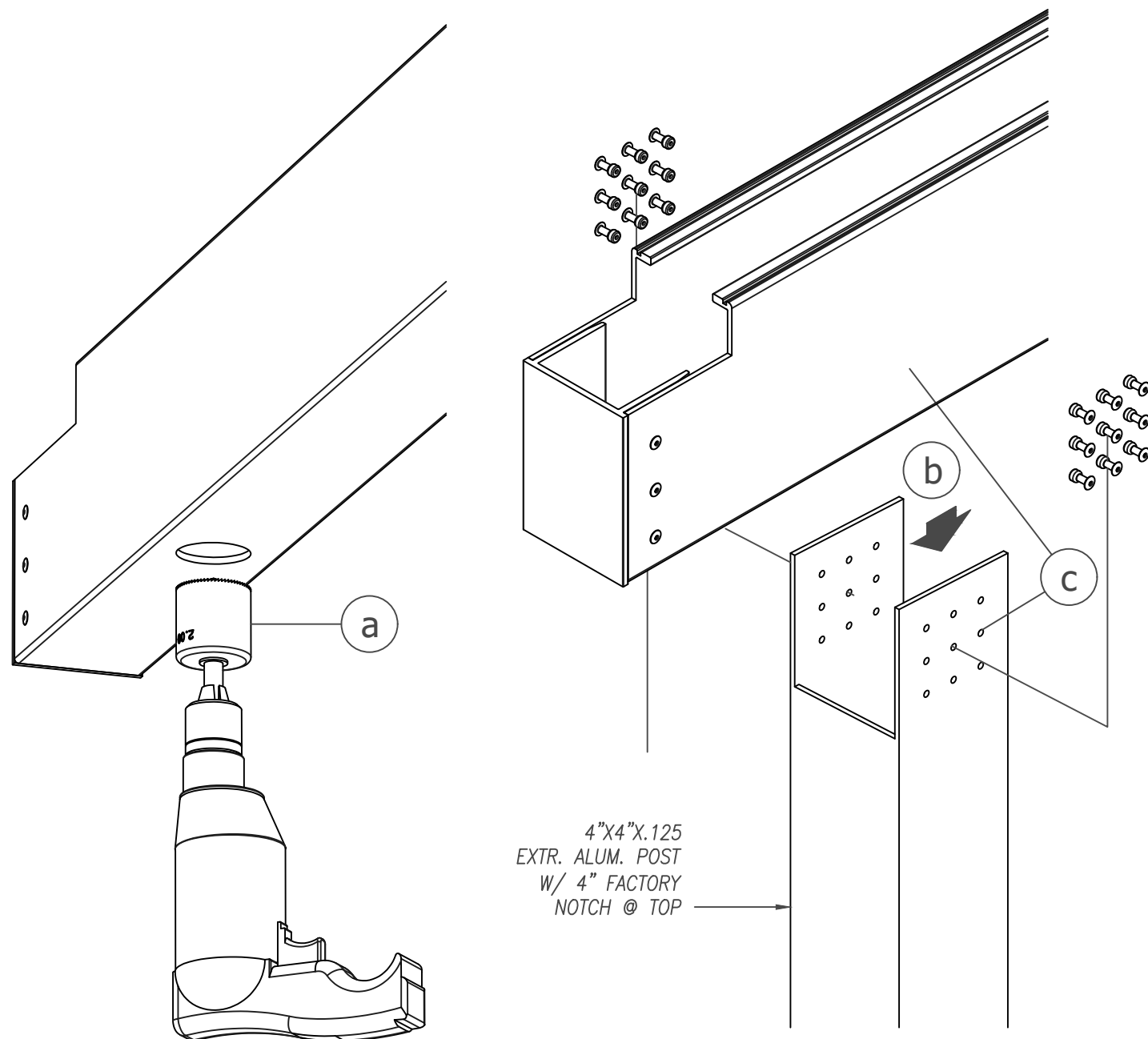


# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)



## 2. Beam to Post:

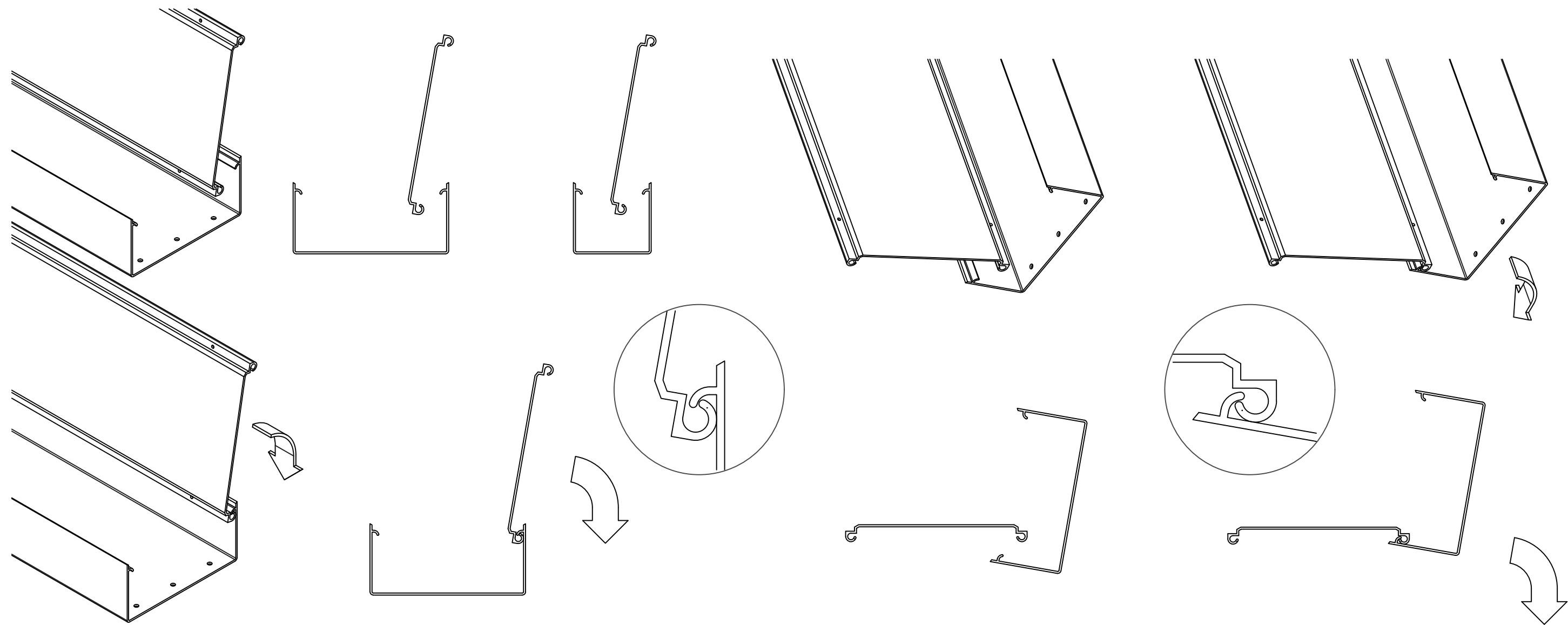
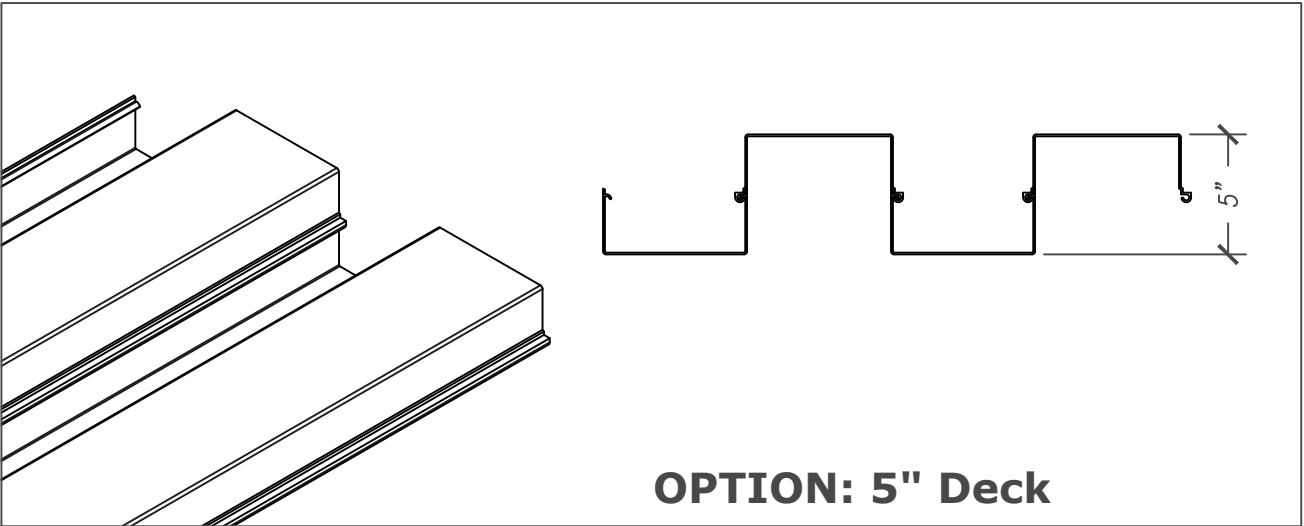
- For "standard post drainage", field-drill 2" drain hole in beam bottom at post location (if draining beam elsewhere, field-drill drain hole at that location or coordinate with other drainage system).  
**\*NOTE:** If posts are surface-mount (internal bracket), do not drain to post. "Standard post drain" not recommended.
- Set beam in factory notch at top of post.
- Using pre-drilled hole pattern at top of post, drill holes each side of beam for 3/16" pop rivets (9x each side), OR
- 3/8" carriage bolts (4x each side).



SLD-04  
COMMON

**3. Fasten Decking to Beam**

- a) Assemble decking incrementally, beginning with lower deck piece. As each successive piece of interlocking deck is added to the assembly, alternate between upper and lower 6" deck pieces per drawings (and lower 3" deck piece if required by certain canopy configurations). Using the snap-fit method to create the interlocking "snap lock seam", hook curved receiving groove of upper deck piece over curved projection of lower deck piece and rotate down.
- OPTION:** 5" interlocking deck similar process.

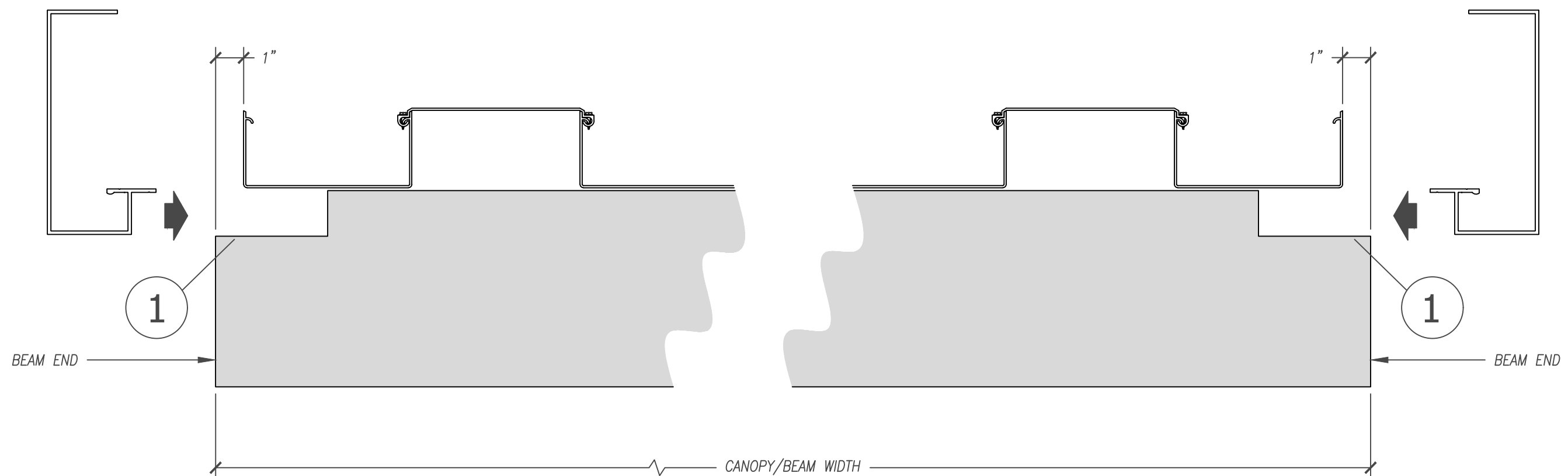


**\* POST-SUPPORTED CANOPY, PLEASE NOTE:  
FASCIA WILL BE INSTALLED AFTER DECK**

## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

### 3. Fasten Decking to Beam (continued):

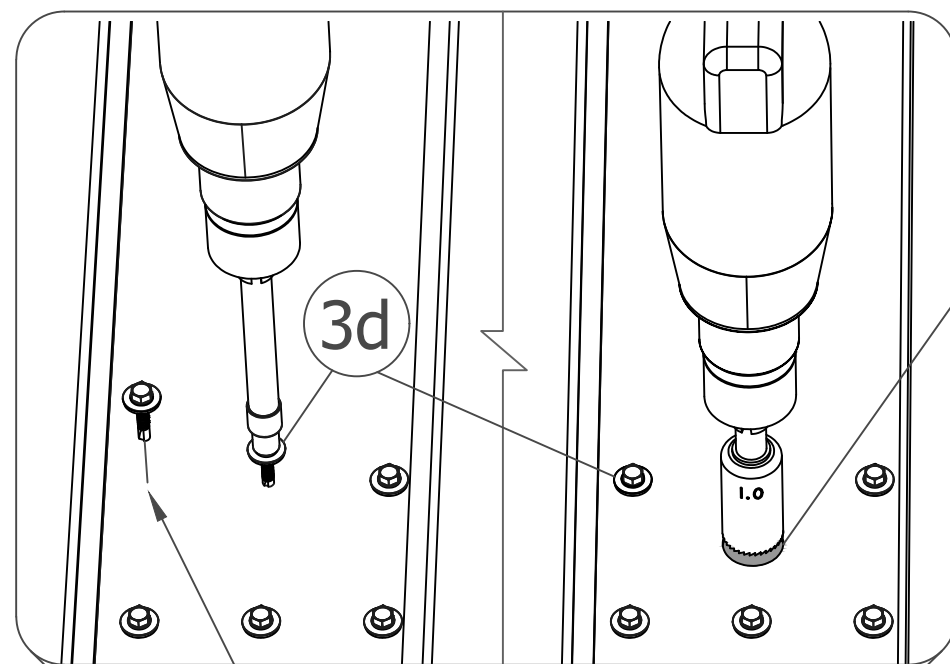
- \* Deck assembly must begin and end with a lower deck member (to capture drainage at end of canopy and avoid gap at end fascia). In some cases, the canopy width may require alternative deck series at end (see **3B**, Fascia to Deck).
- \* **Deck "offset" from beam end (and fascia) will be shown on your job-specific shop drawings.**
- \* Deck offset may vary from  $\frac{1}{4}$ " minimum to 2" maximum, depending on the width of canopy/deck.



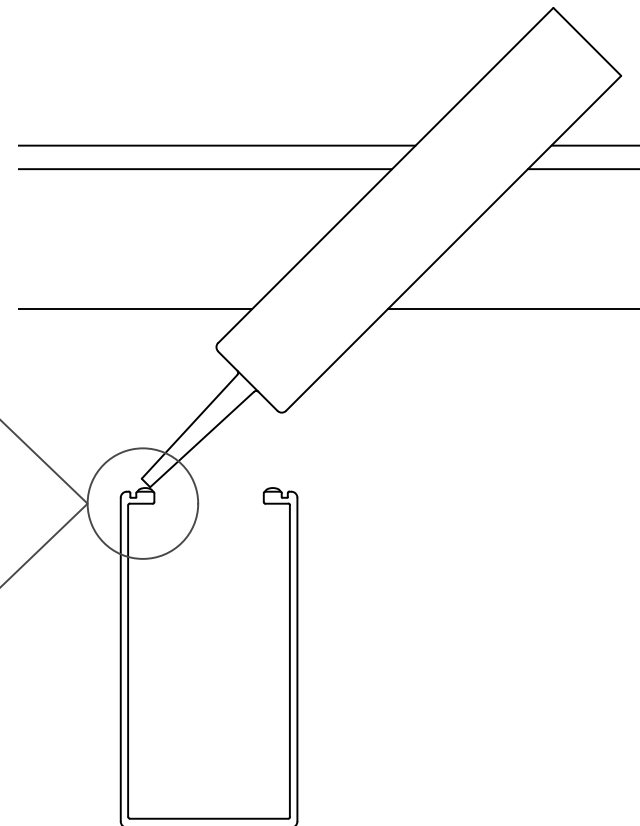
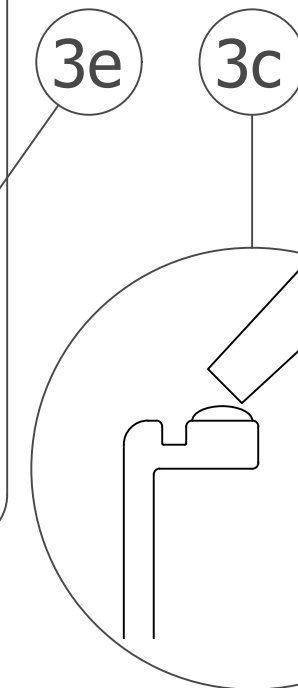
- \* **POST-SUPPORTED CANOPY, PLEASE NOTE:  
FASCIA WILL BE INSTALLED AFTER DECK**

**NOTE:**  
**1. Beam end is  
factory-notched  
for 8" fascia.**

## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)



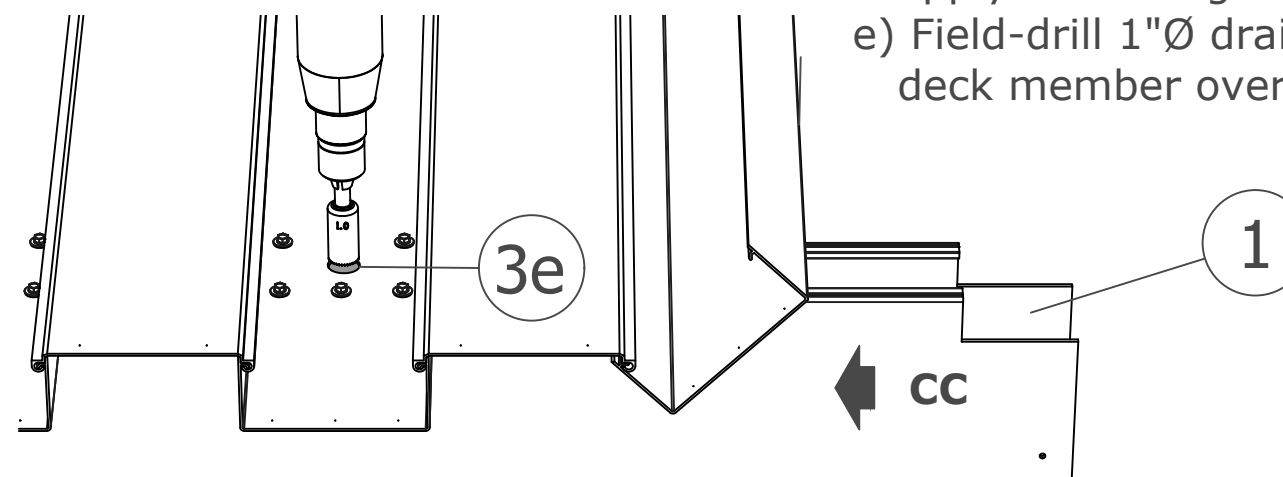
FIELD-DRILL TO ALIGN  
WITH BEAM "FLANGES"



**SECTION 'CC'**

### 3. Fasten Decking to Beam (continued):

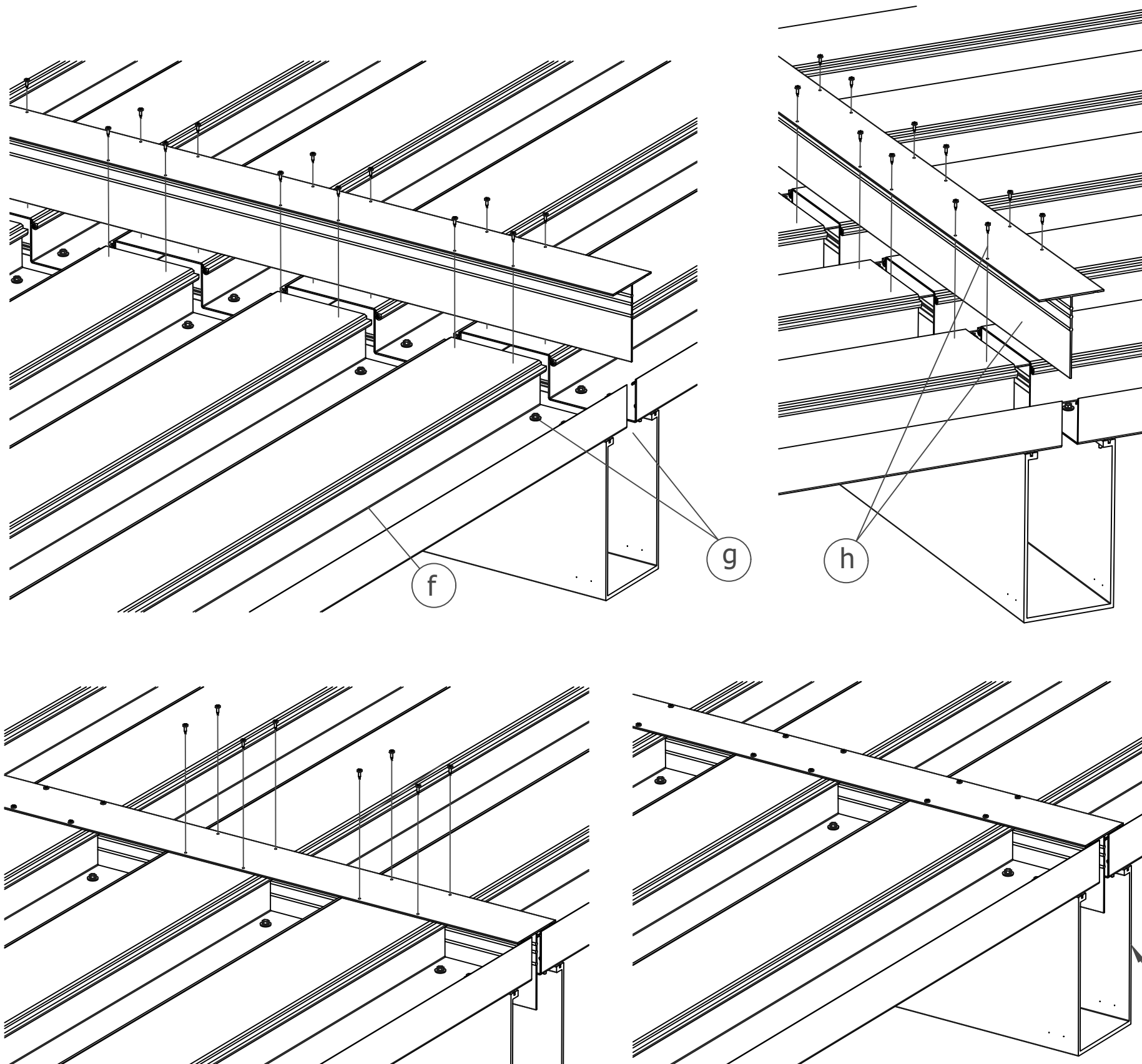
- b) Maneuver decking to match spacing on blueprints, coordinating with beam location and *fascia (to be installed later)*. Space deck at 6" between legs of lower deck piece.
- c) Field-apply sealant between deck and beam to prevent water runback ("wicking" from drain hole along bottom of deck past beam edge to become visible and/or drip from underside of deck).
- d) With #12-24 x 1 1/4" tek screws, screw lower deck pieces to beam through lower decking, aligning screws so that they penetrate top flanges of open-top beam. Fasten one end of deck assembly using correct spacing (per deck offset from end fascia in drawings). Then go to other end of deck assembly and pull to correct spacing (6" between legs of lower deck pieces) and screw down that end. Then apply remaining #12's.
- e) Field-drill 1"Ø drain hole in every lower deck member over open-top beam.



**NOTE:**  
**1. Beam end is  
factory-notched  
for 8" fascia.**

**\* POST-SUPPORTED CANOPY, PLEASE NOTE:  
FASCIA WILL BE INSTALLED AFTER DECK**

## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

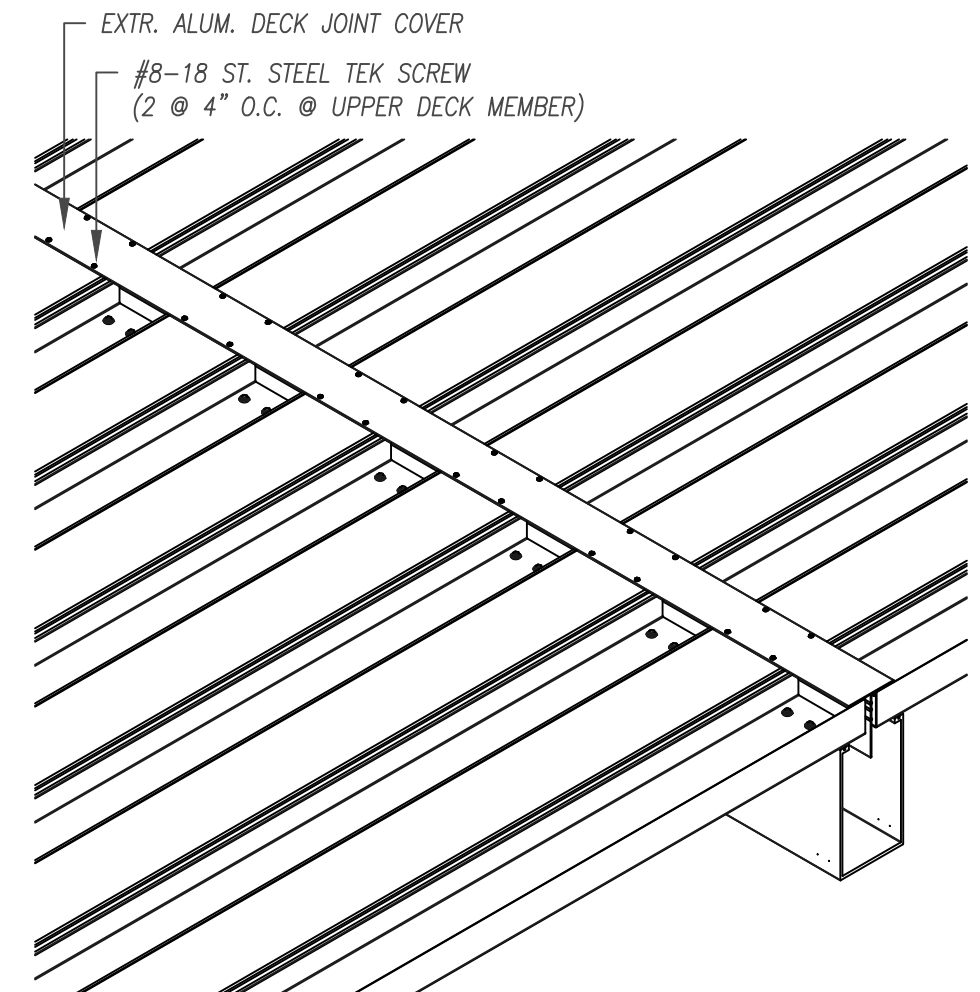


### 3A. Deck Joints:

- \* When deck configuration or length requires, deck may be "broken" over a beam, with 1" gap centered on the beam, and the deck ends fastened to the top lips of the open-top beam.

#### f) Assemble deck per Part 3, a-e.

- g) At joint, Position decking such that a 1" gap is centered over beam; fasten to beam with #12-24 tek screws.
- h) Drop Deck Joint Cover over deck break, center, and fasten to deck with #8-18 tek screws.



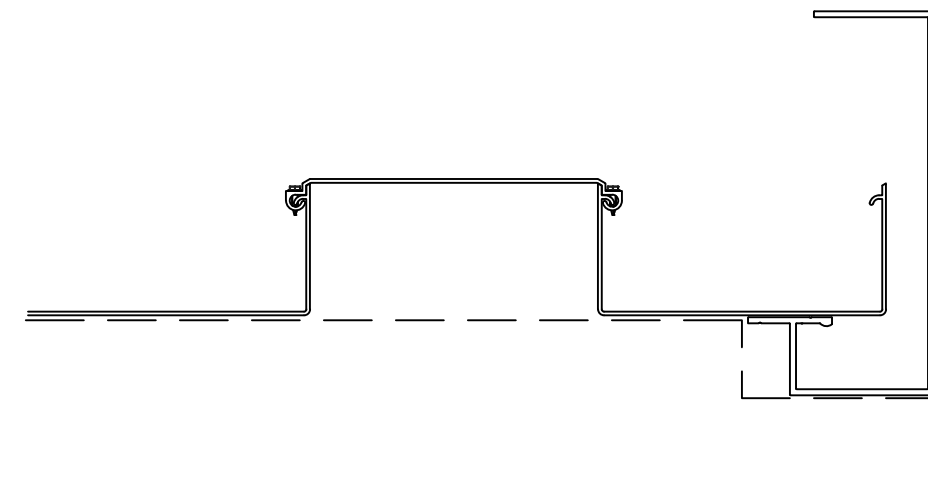
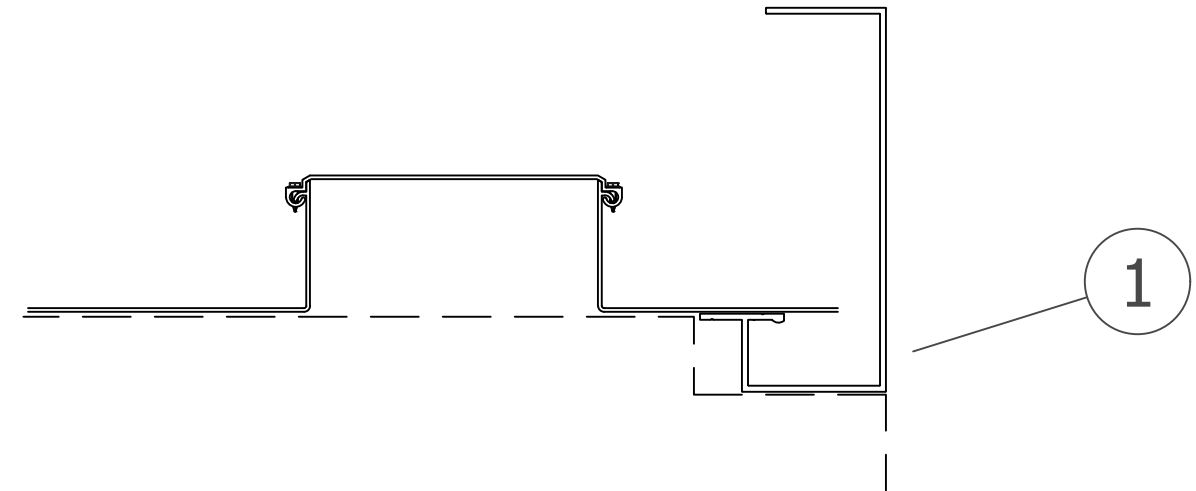
\* NOTE: BEAM END CLOSURE AND FASCIA REMOVED TO SEE DECK JOINT COVER

SLD-06A  
COMMON

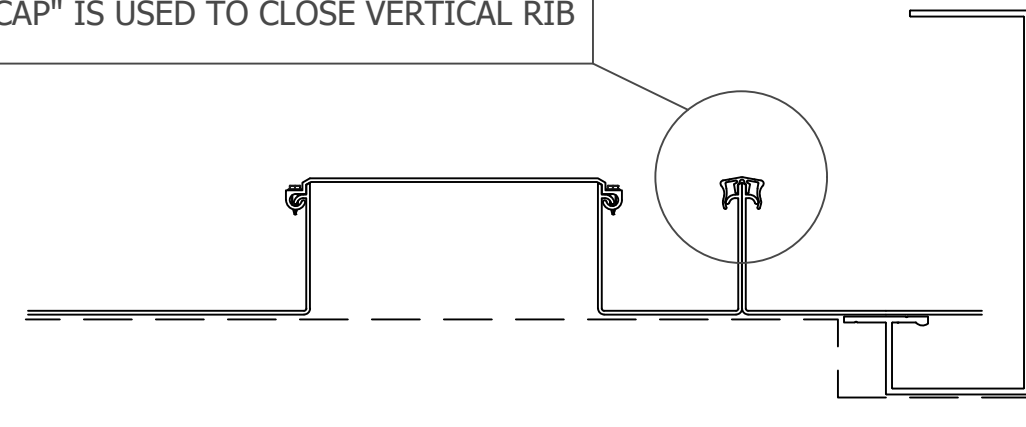
## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

### 3B. Fasten Decking to Fascia (continued):

- \* Deck assembly must end with a lower deck member (to capture drainage at end of canopy and avoid gap at end fascia). In some cases, the canopy width may require alternative deck series at end. Shown at right are solutions to the more common situations.



"SNAP CAP" IS USED TO CLOSE VERTICAL RIB

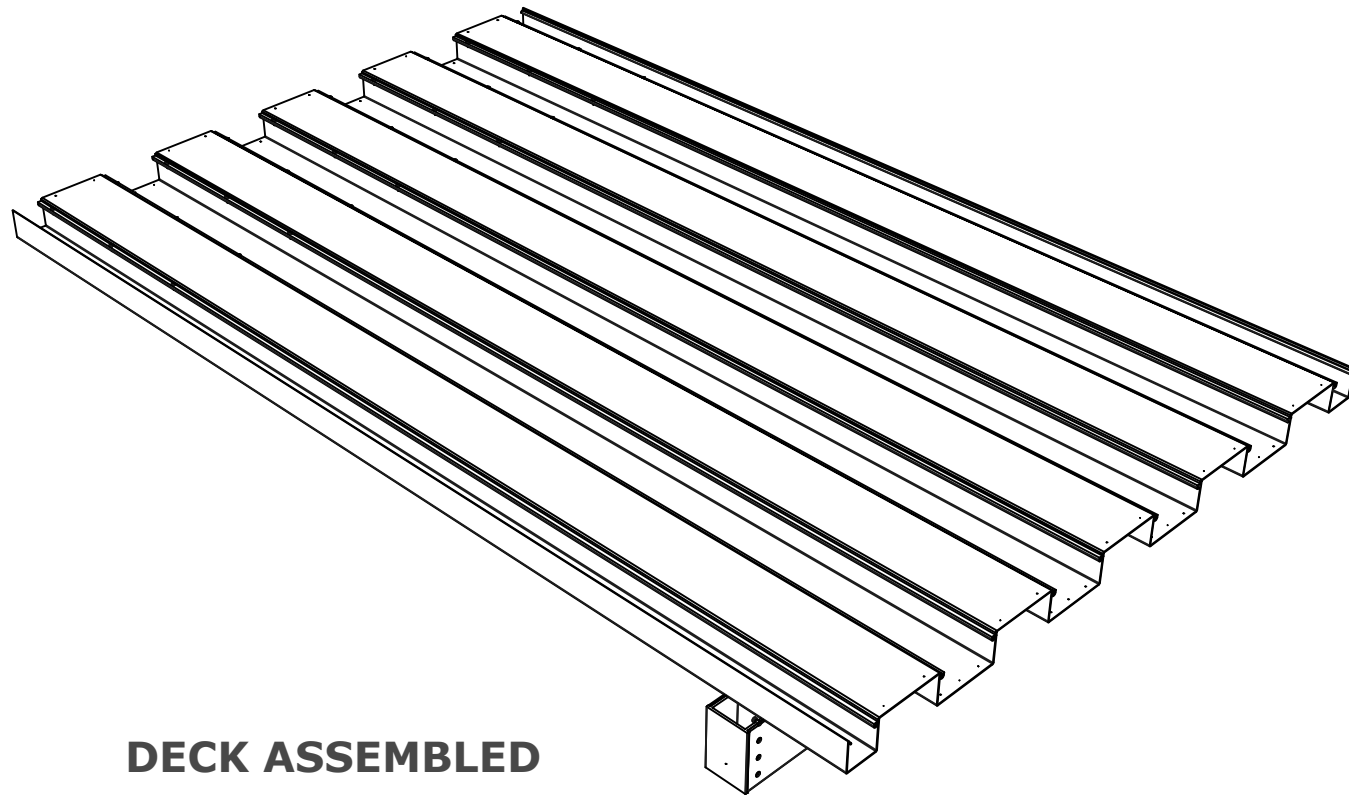


### NOTE:

1. Beam end is factory-notched for 8" fascia.

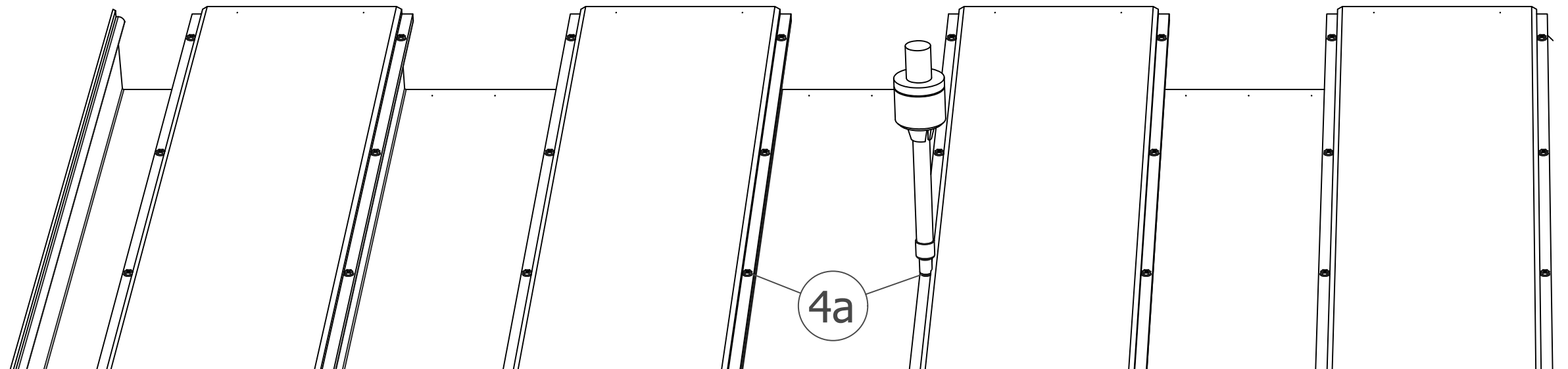


## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

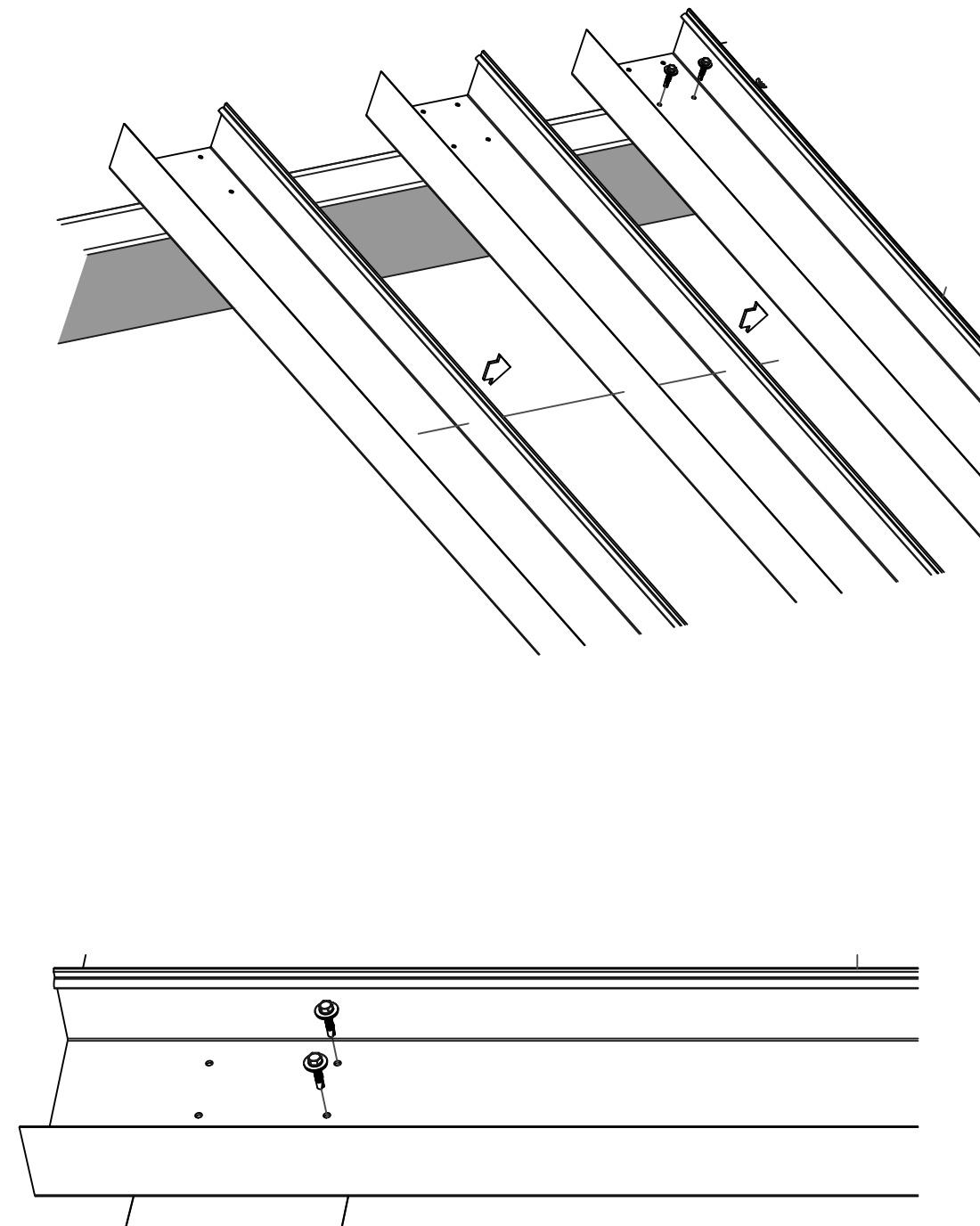


### 4. Fasten upper deck members to lower deck:

- a) Apply #8 tek screws. Use block or clamp to prevent upper deck movement when applying #8 tek screws at 9" on center through upper deck groove into flat part of tab on interior side of lower deck piece.

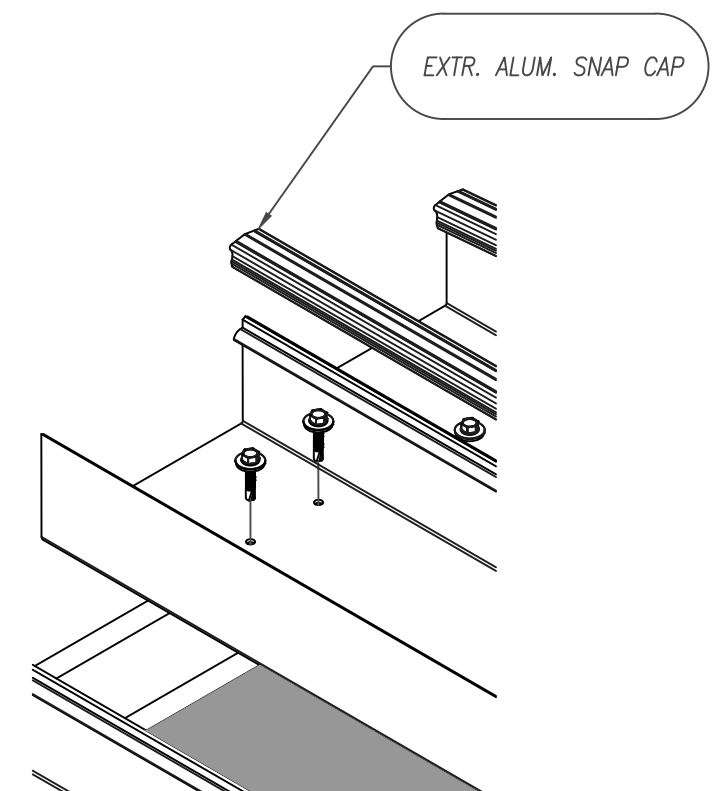


\* **POST-SUPPORTED CANOPY, PLEASE NOTE:  
FASCIA WILL BE INSTALLED AFTER DECK**



## 5. **OPTION: Flat Soffit Deck**

- a) Assemble deck to beam as in step 3b-3d, except **without** upper deck member between lower deck members. Instead, "lower" deck members are arranged **side by side** to create a standing "rib" (seam), which is covered with full-length SNAP CAP. Seal and fasten decking to beam as directed.



\* **POST-SUPPORTED CANOPY, PLEASE NOTE: SLD8-08**  
**FASCIA WILL BE INSTALLED AFTER DECK**

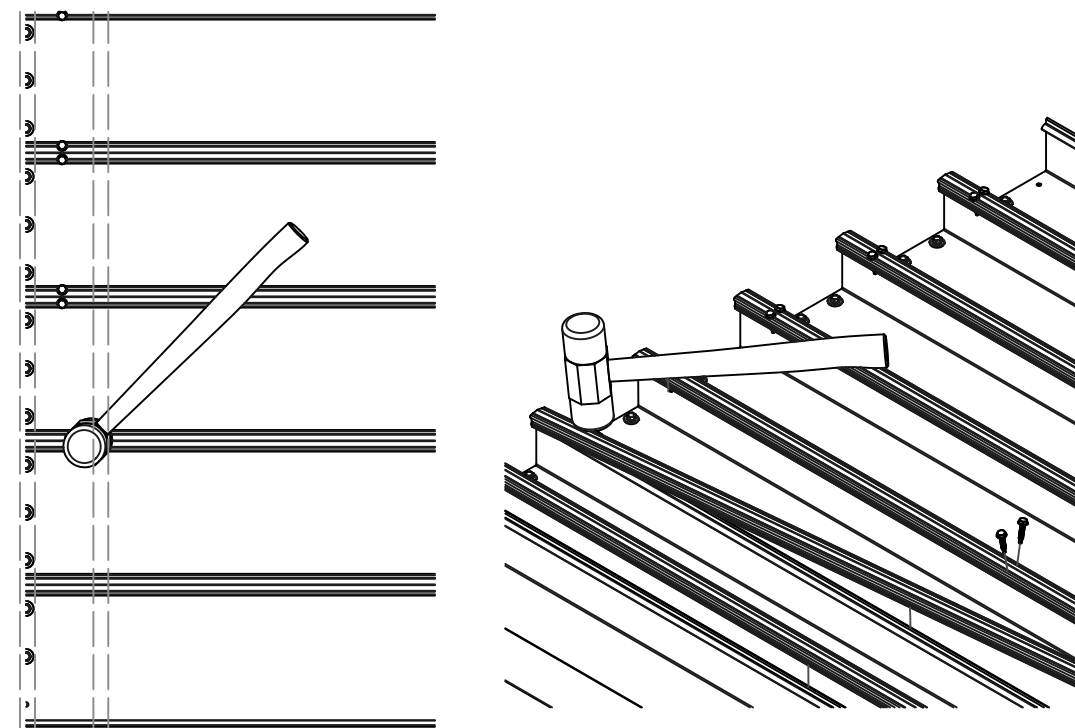
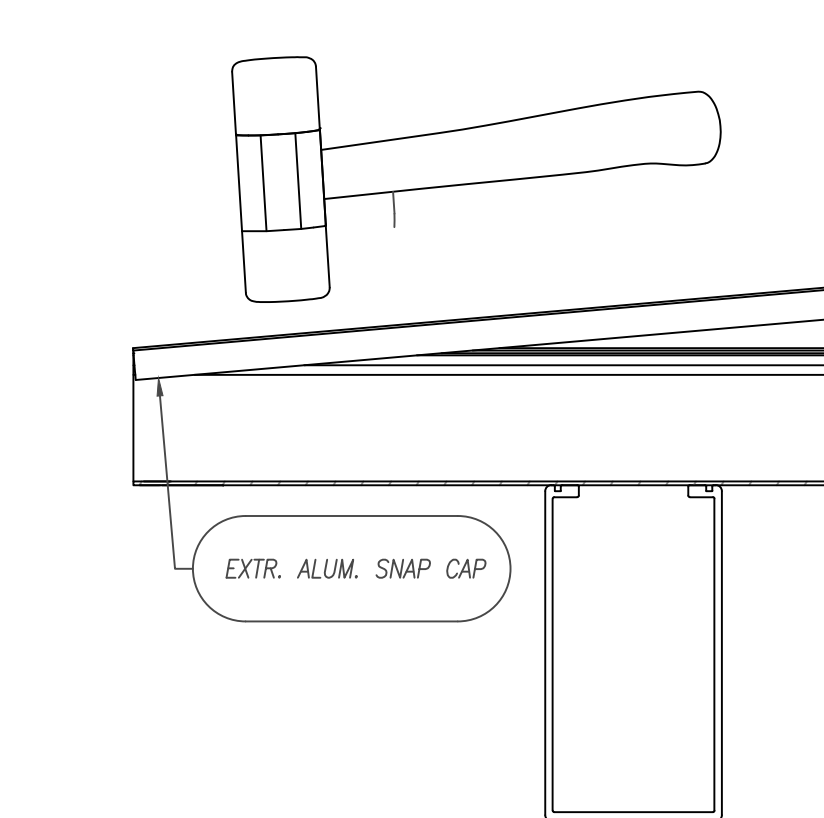


Figure 5b

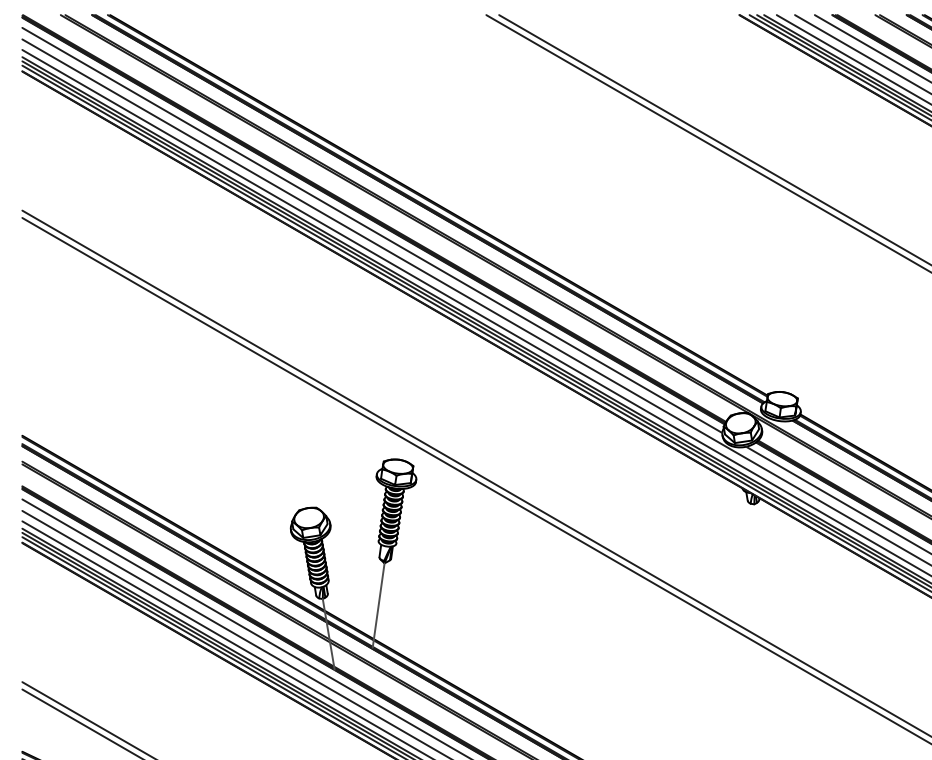
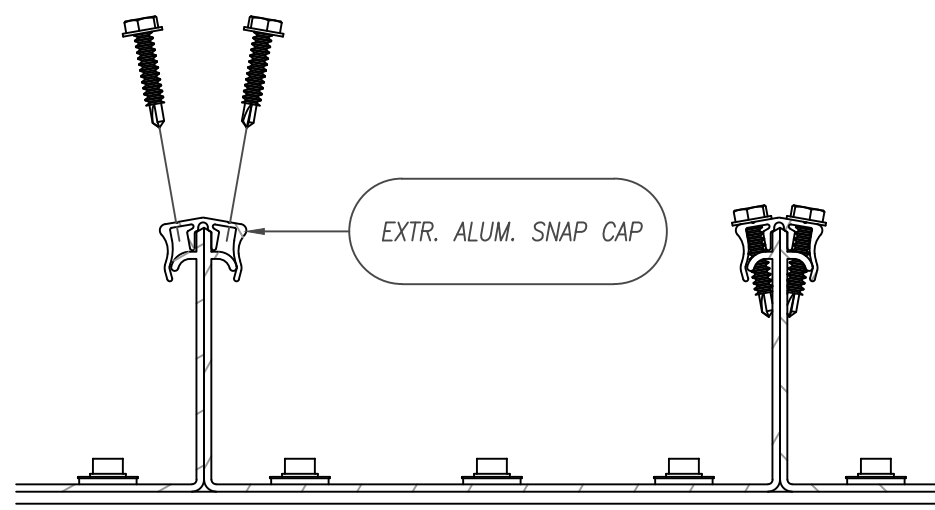
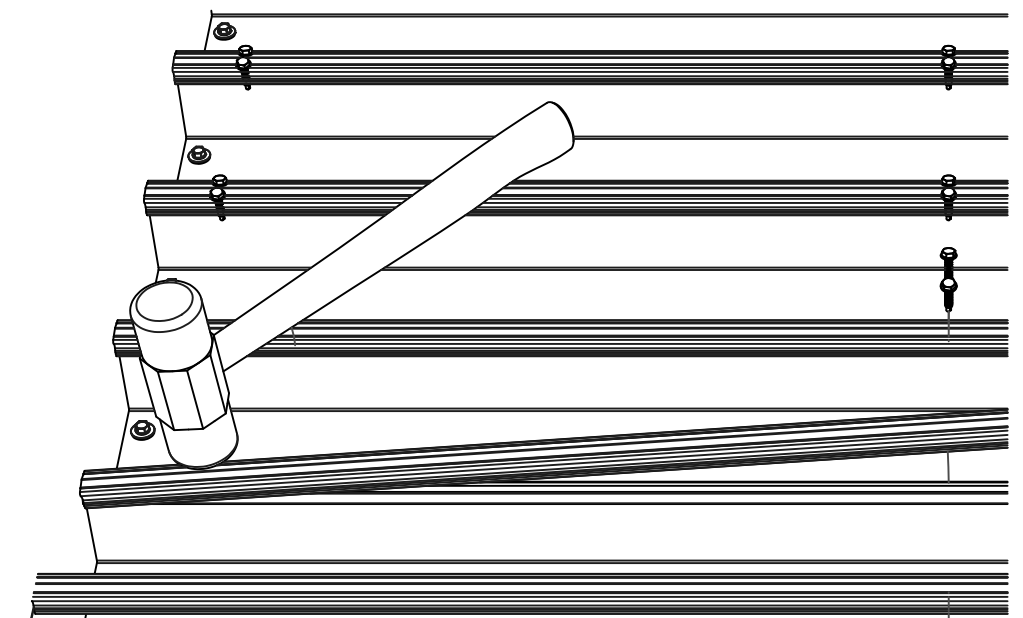


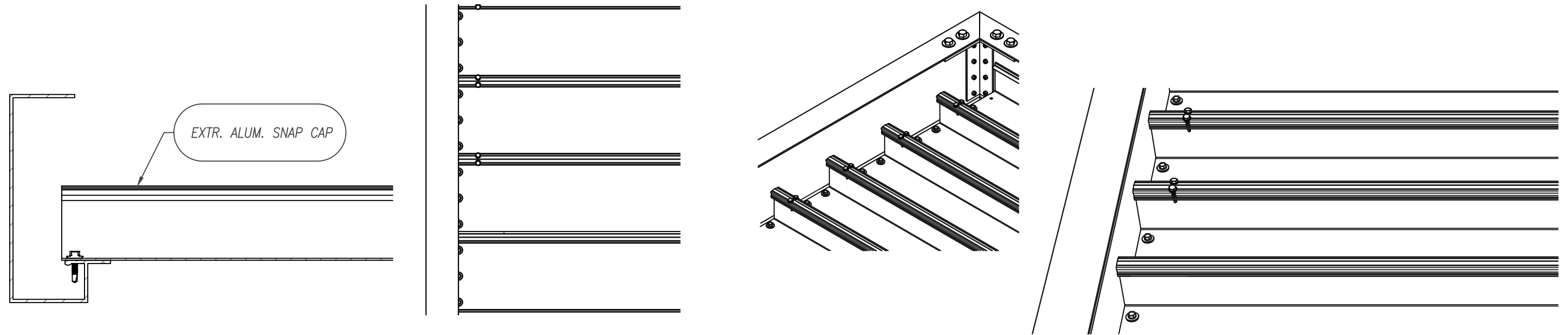
Figure 5c



## 5. OPTION: Flat Soffit Deck, continued:

- b) Using a rubber mallet, put on SNAP CAP. (Hammer one end on, then work your way down, hammering every foot until you get the whole piece to snap on).
- c) Apply #10-16 tek screws to snap cap at 24" on center on both sides of the peak. Pay attention when screwing, so screw grabs both snap cap and deck flare, or snap cap may be pushed up. If it does, back out screw (snap cap will go back down) then screw right back in.

\* **POST-SUPPORTED CANOPY, PLEASE NOTE: FASCIA WILL BE INSTALLED AFTER DECK**



**5. OPTION: Flat Soffit Deck, continued:**  
d) Attach fascia to deck as per Step 6, using (3) #12-24" tek screws through deck into inside lower lip of fascia (to hide screw and to place deck penetration over fascia trough).

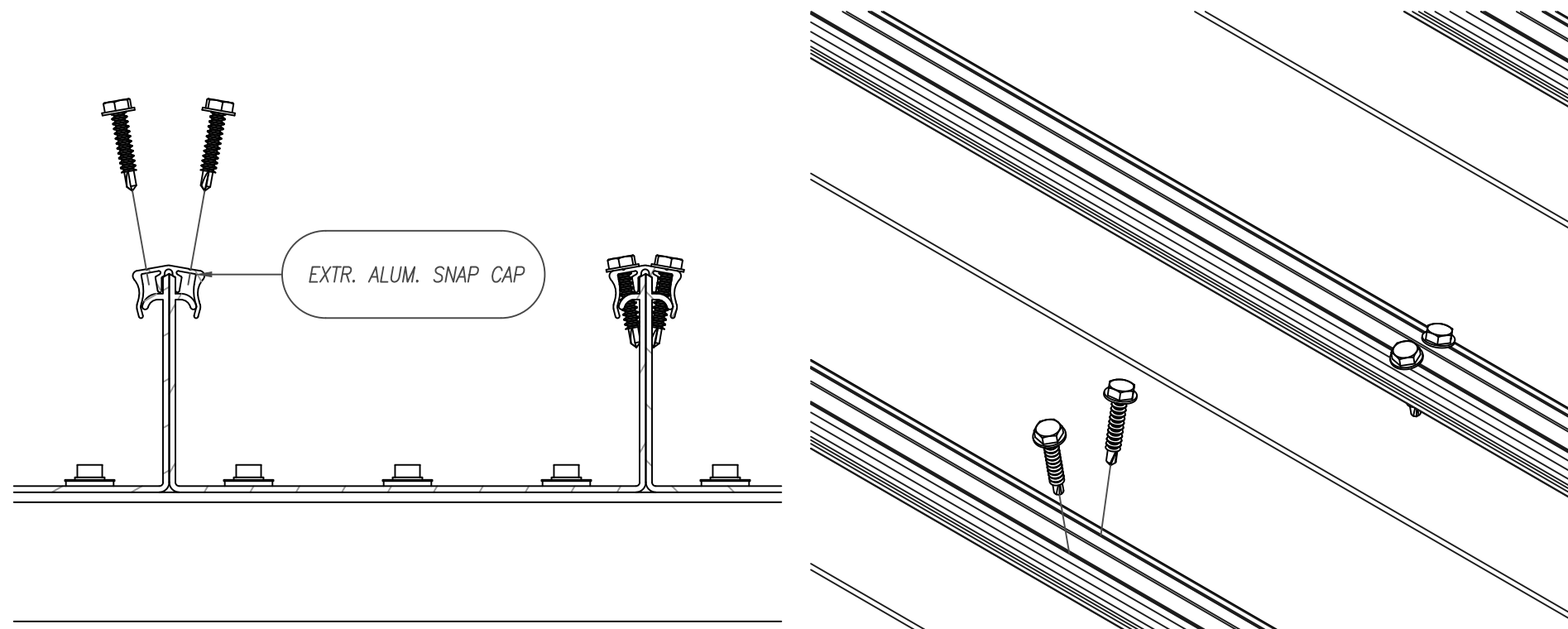
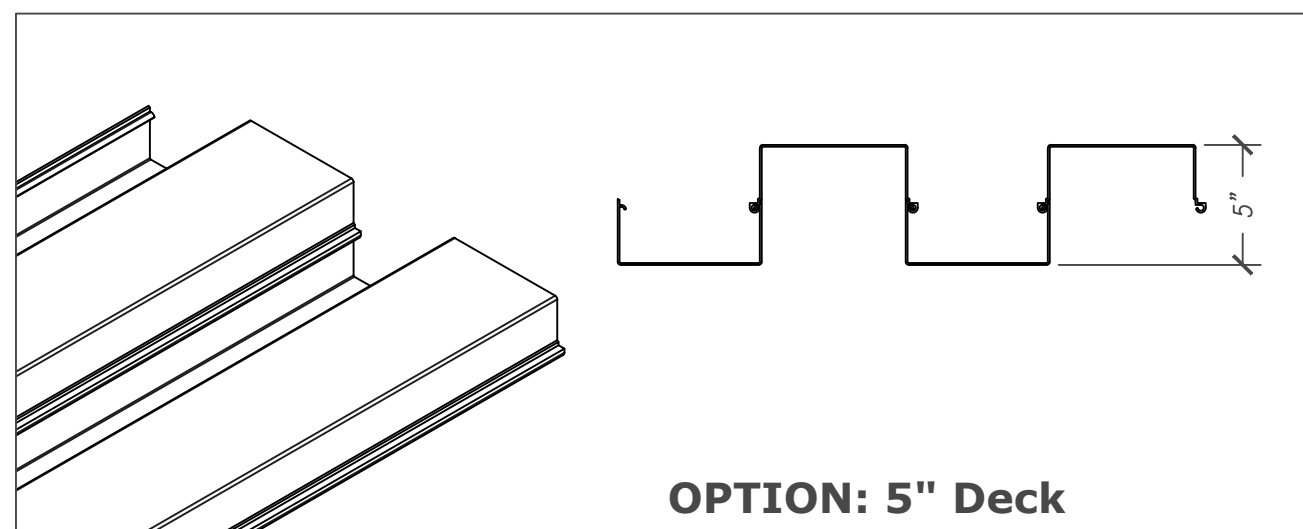
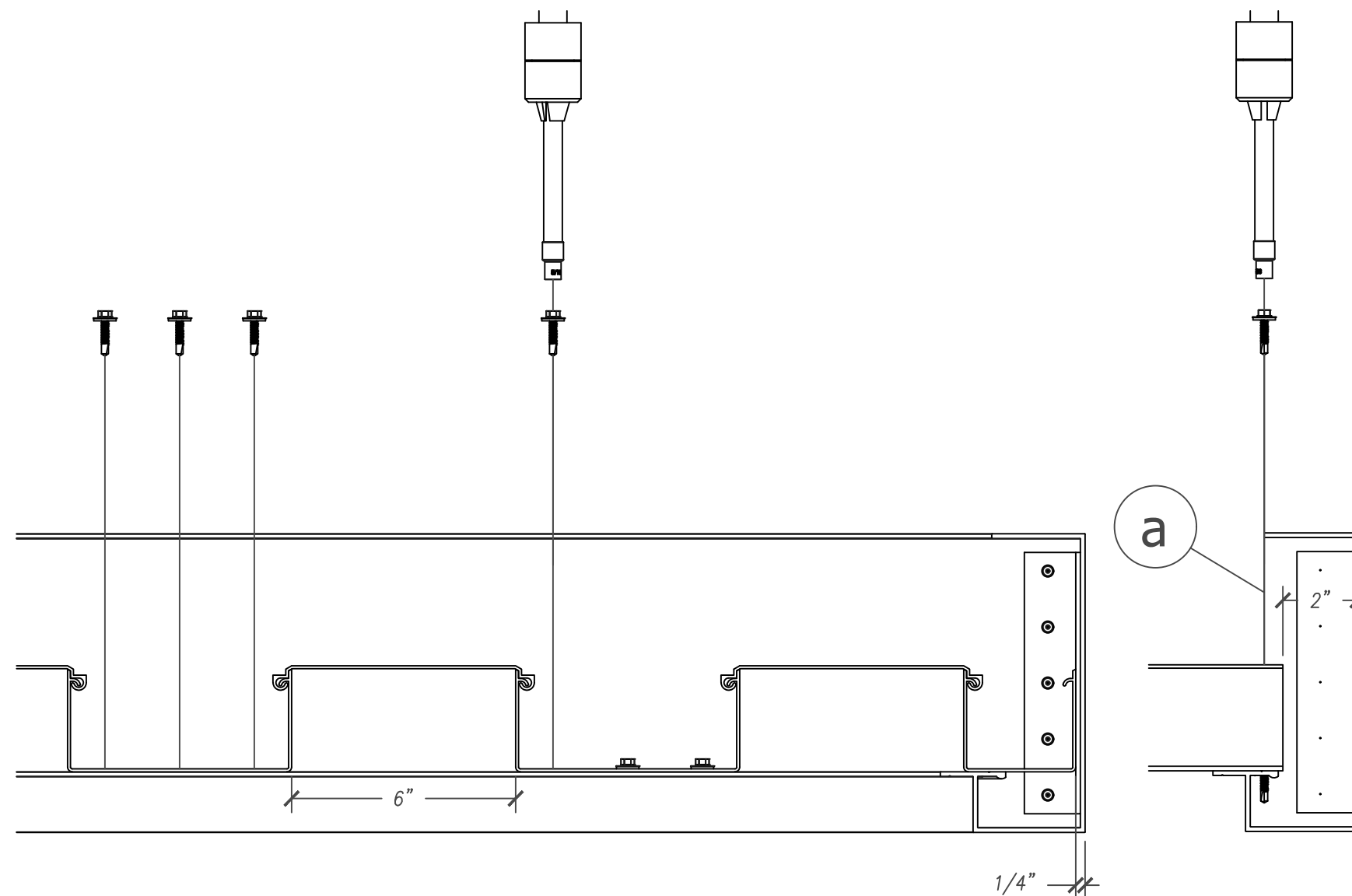
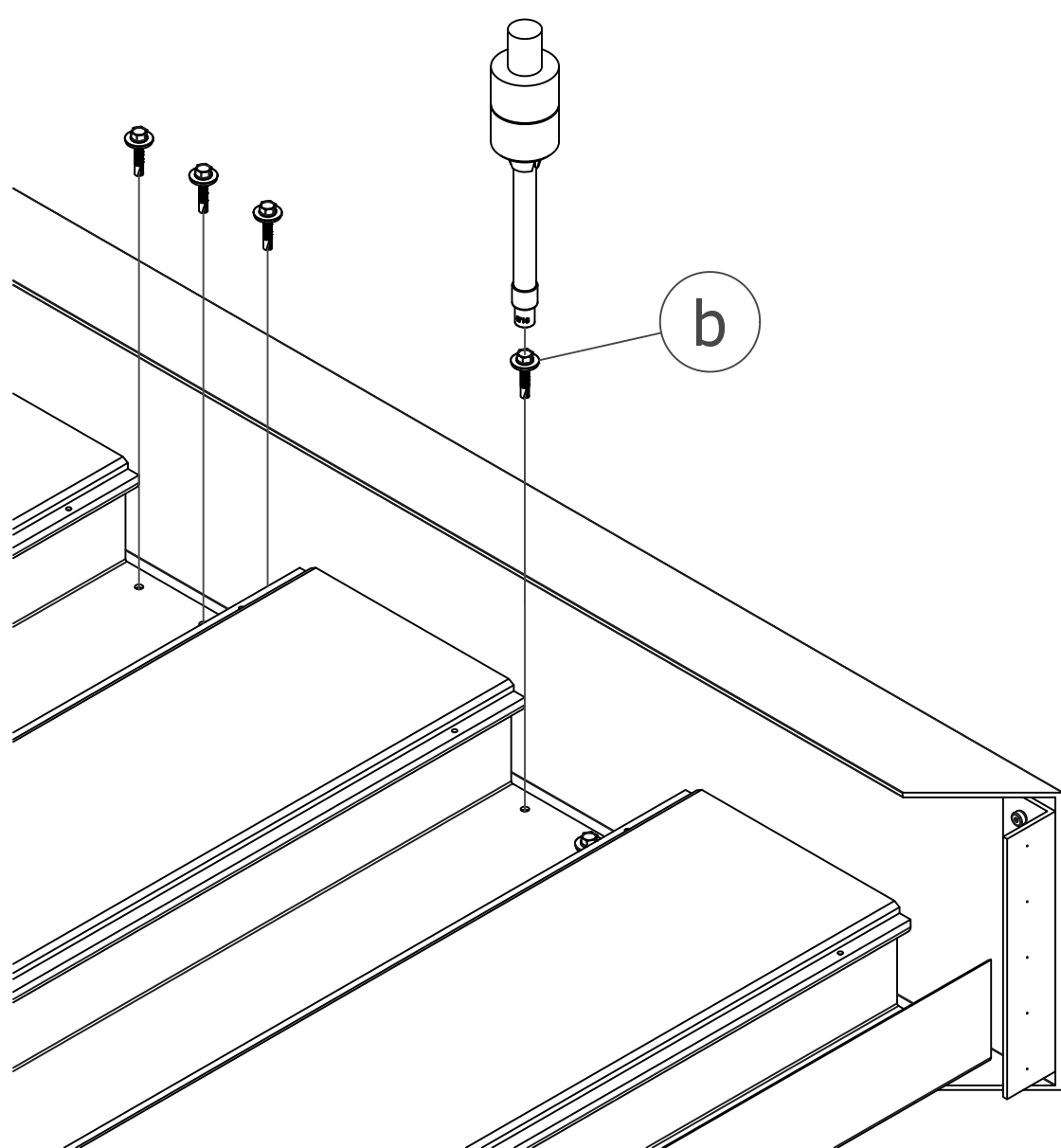


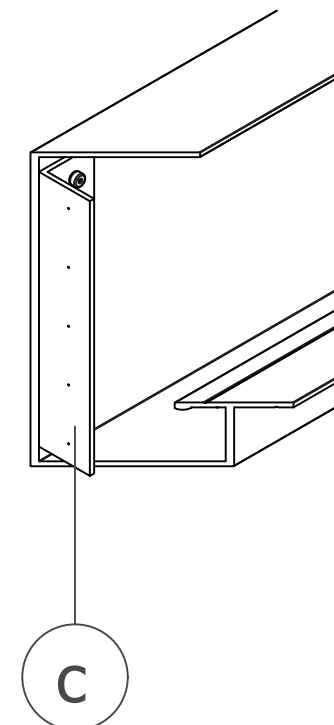
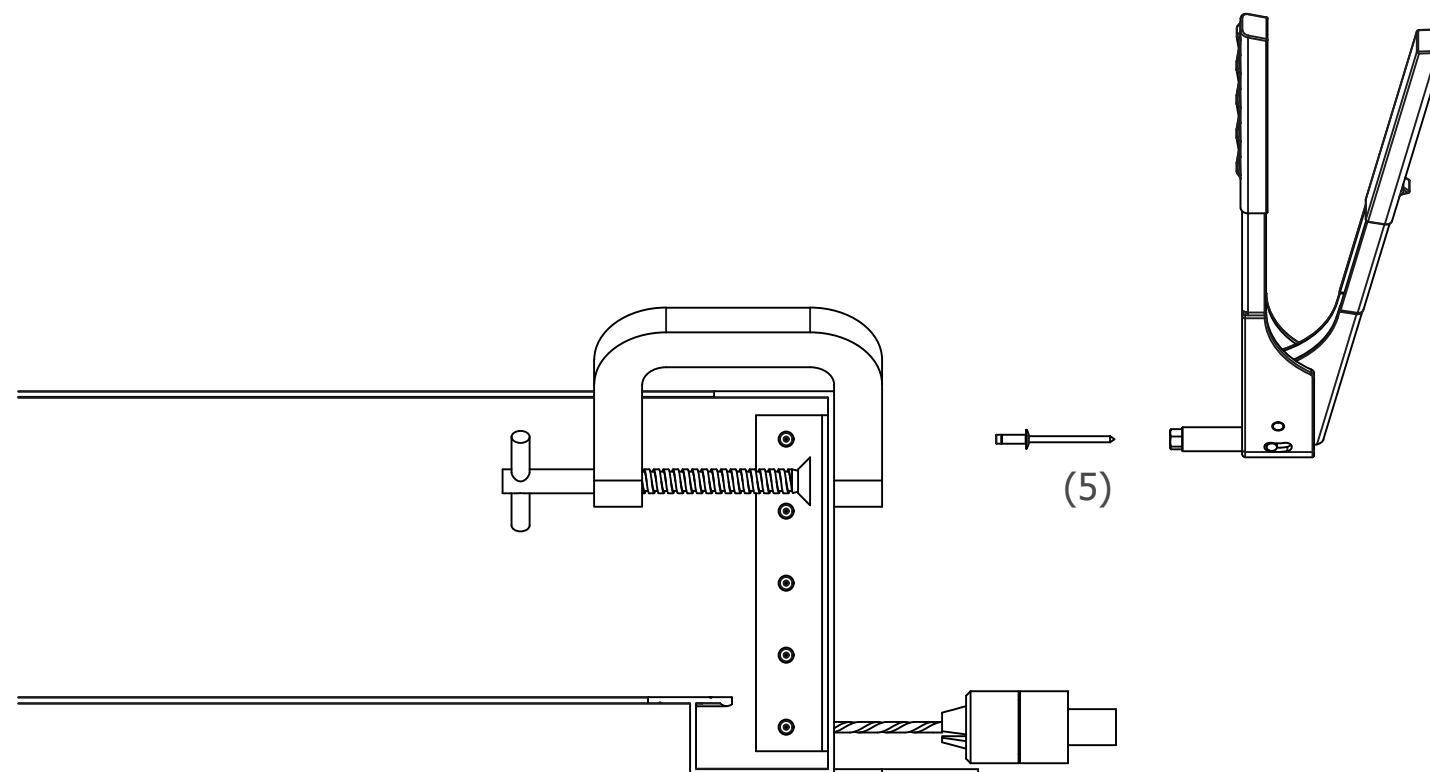
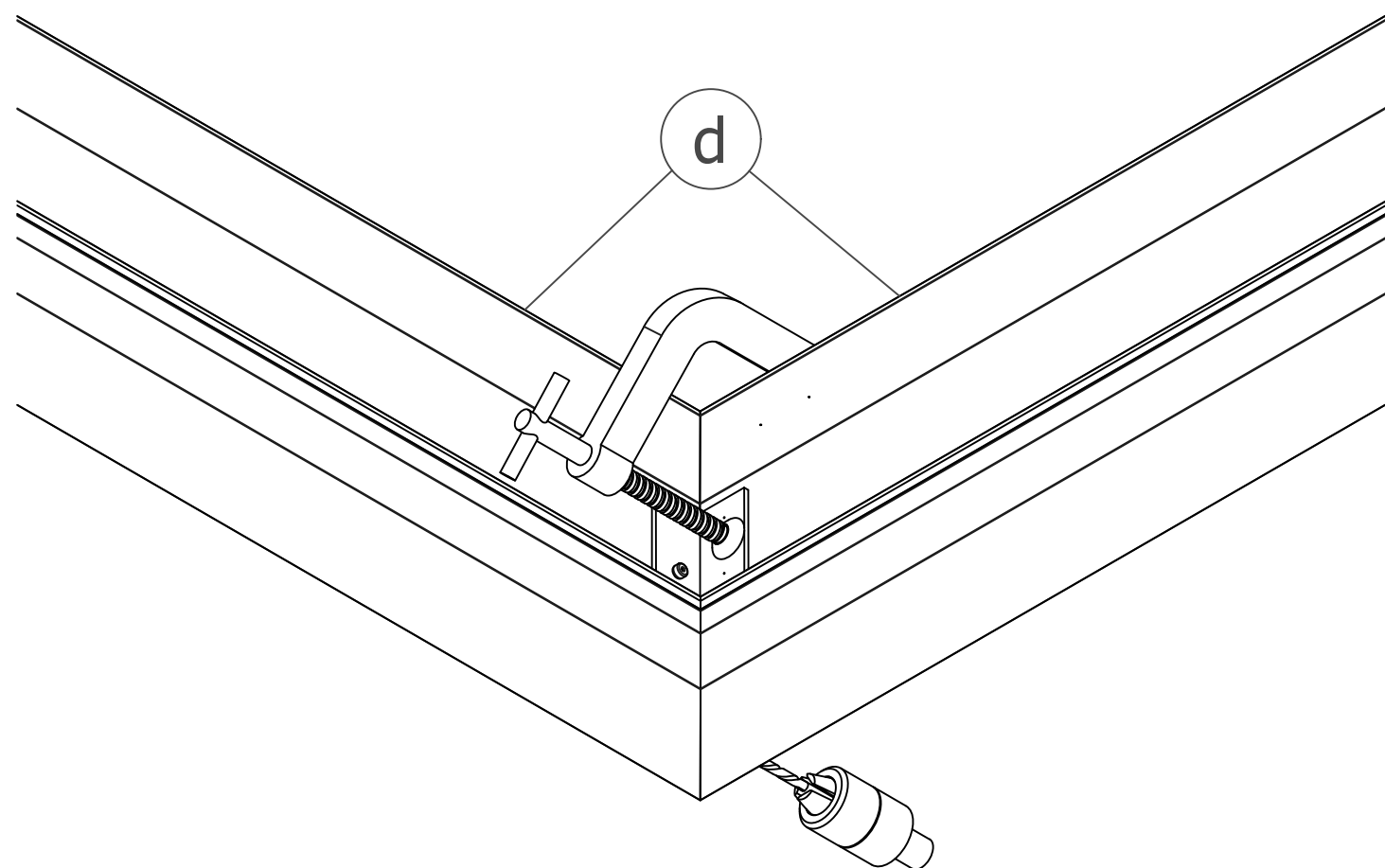
Figure 5d



**OPTION: 5" Deck**

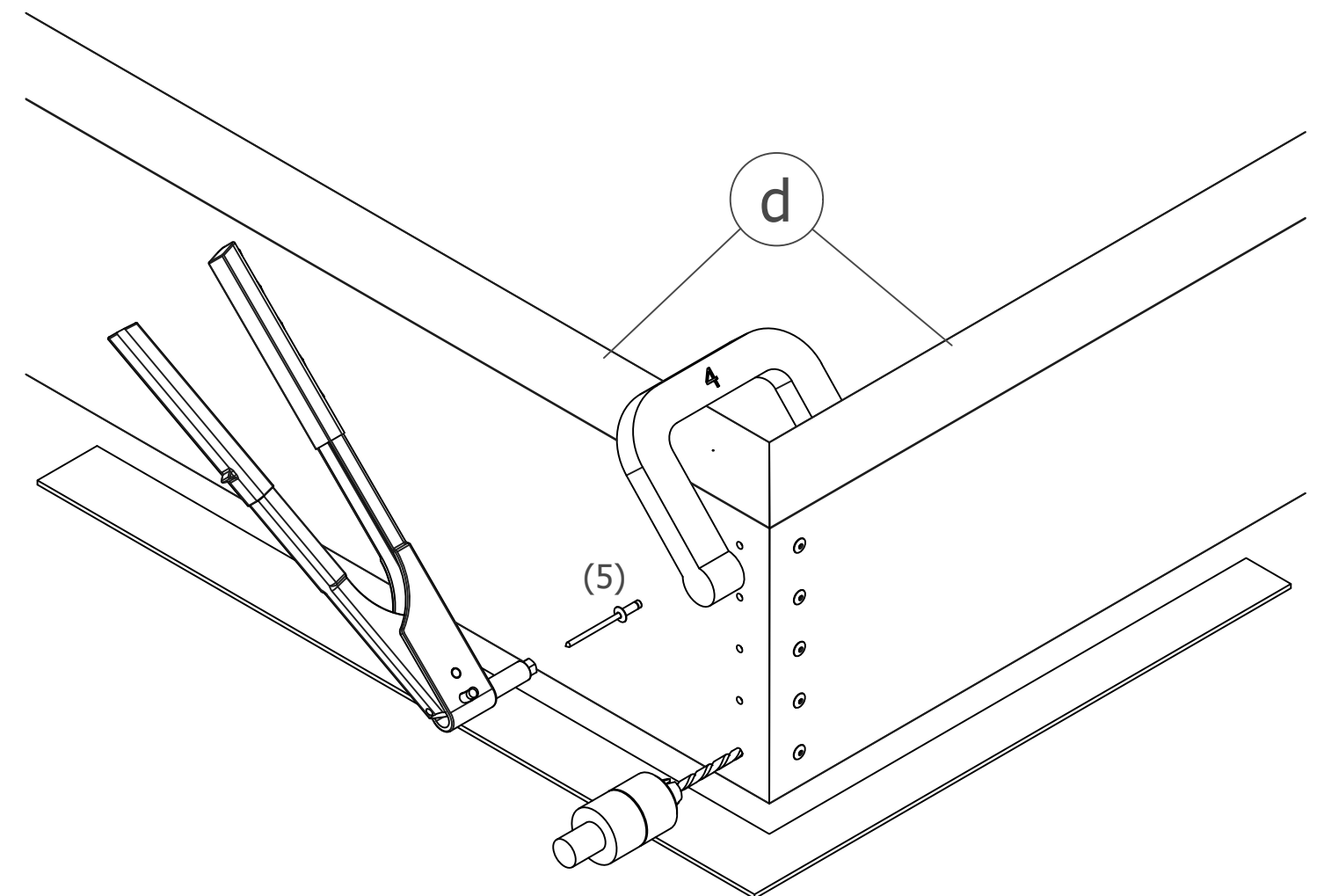
## 6. Fasten Fascia to Deck (continued):

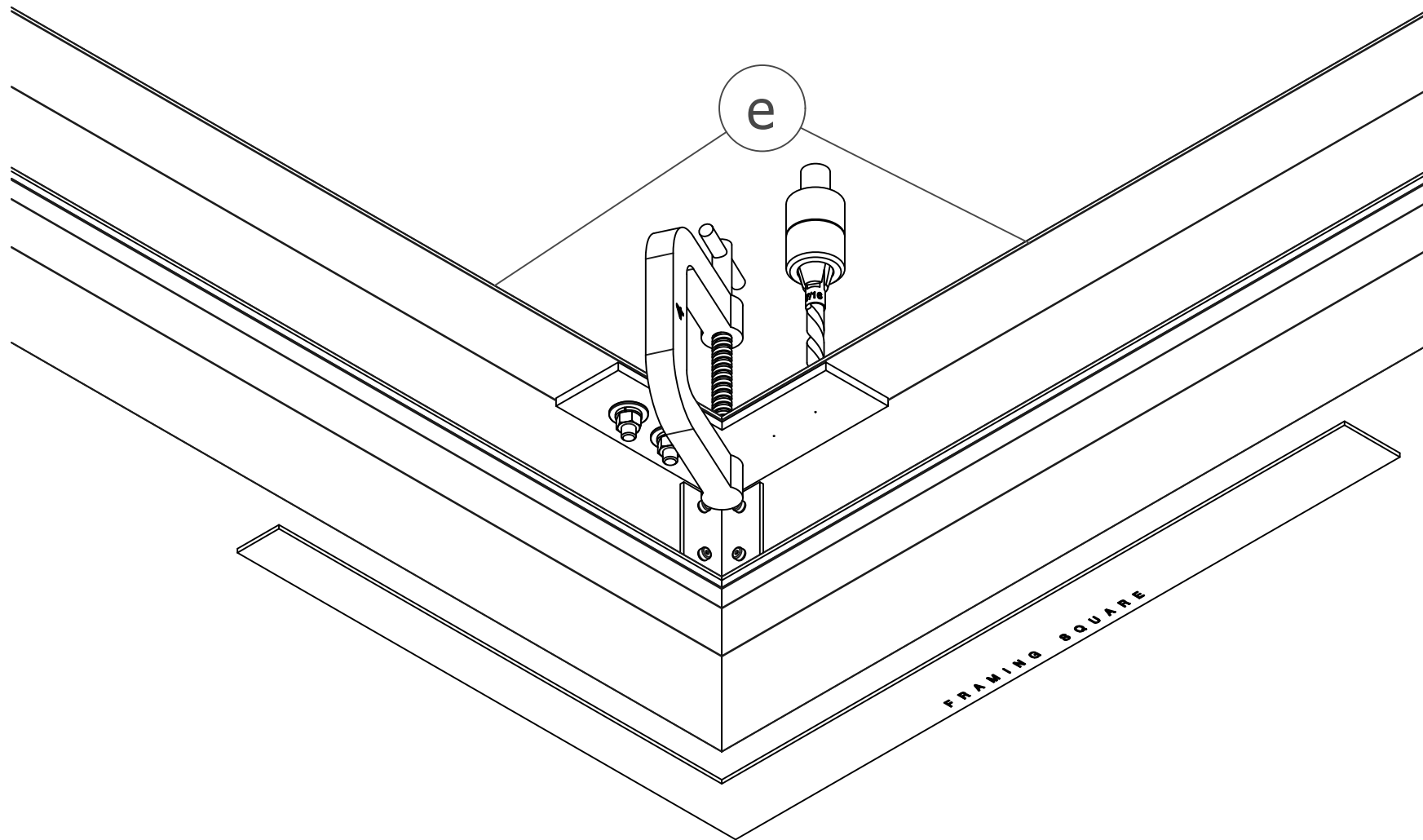
- Using blueprints as guide, position and clamp fascia to deck, holding to maximum 2" offset, deck edge to fascia face.
- With #12-24 x 1 1/4" tek screws, screw lower deck pieces to fascia using pre-punched holes on lower decking.



## 6. Fasten Fascia to Deck (continued):

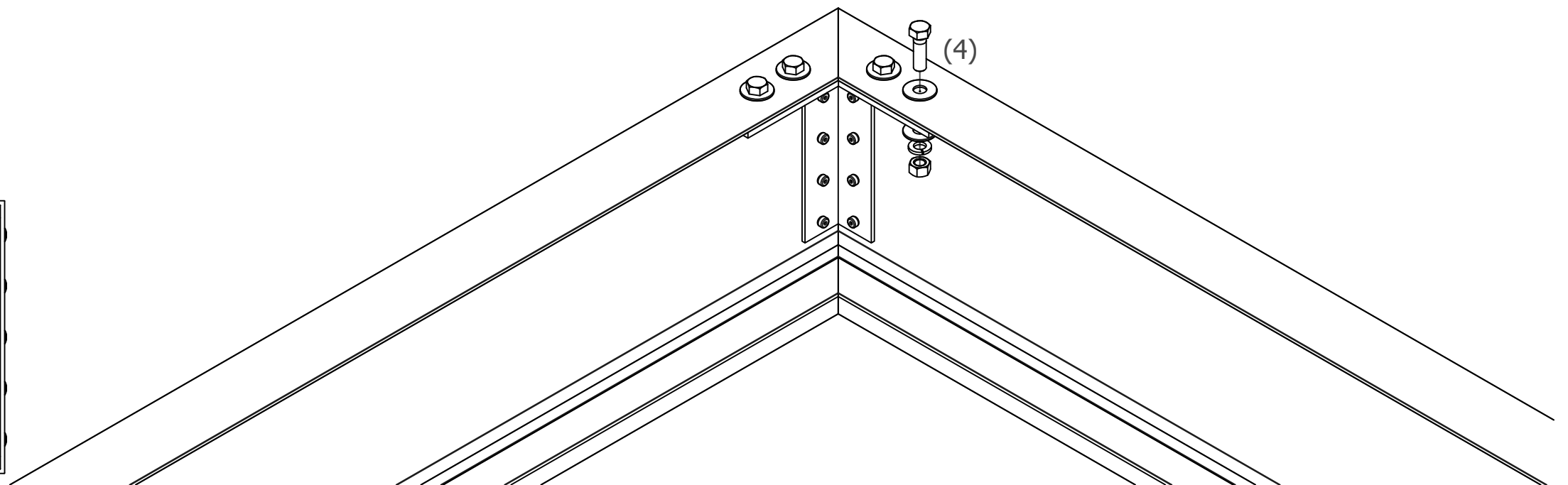
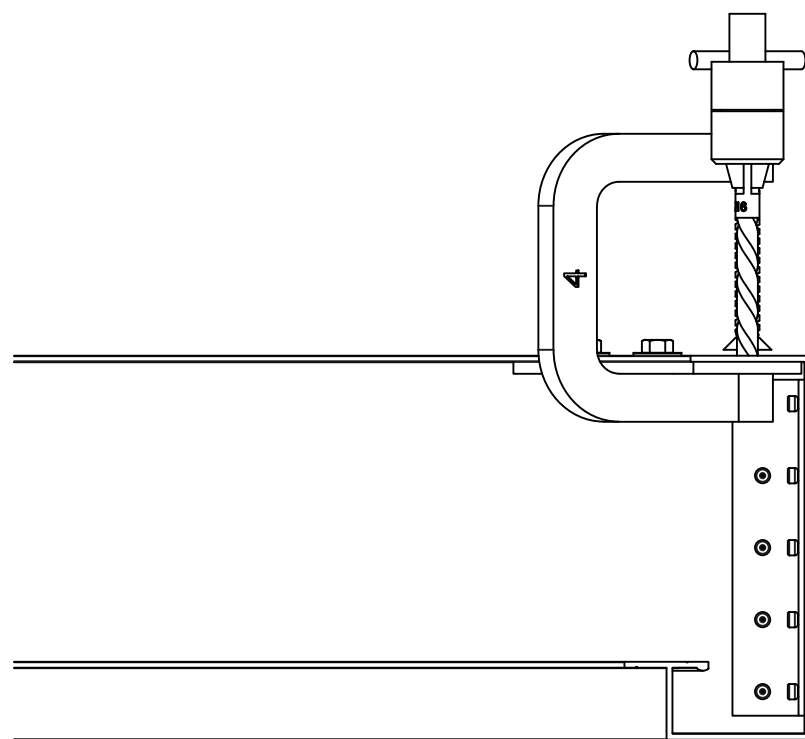
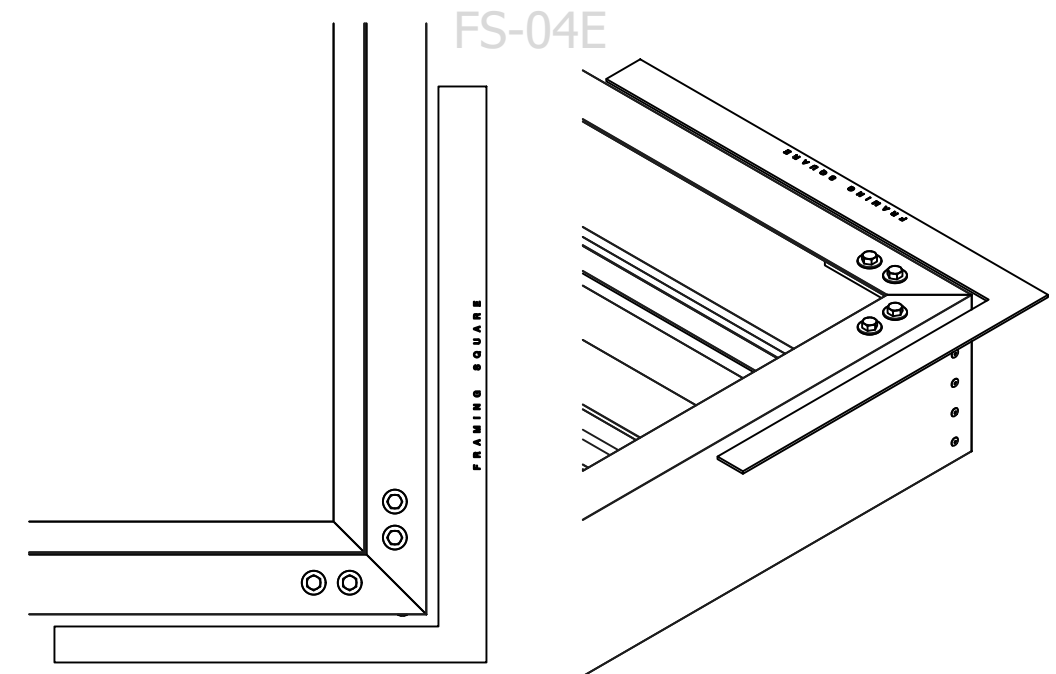
- c) 1 1/2" x 1 1/2" inside corner angles are already assembled to fascia on 1 side.
- d) Clamp together side and wall fascia pieces to make corner. Drill through factory holes in side fascia into 1 1/2" x 1 1/2" angle and use (5) 3/16" self-sealing rivets.

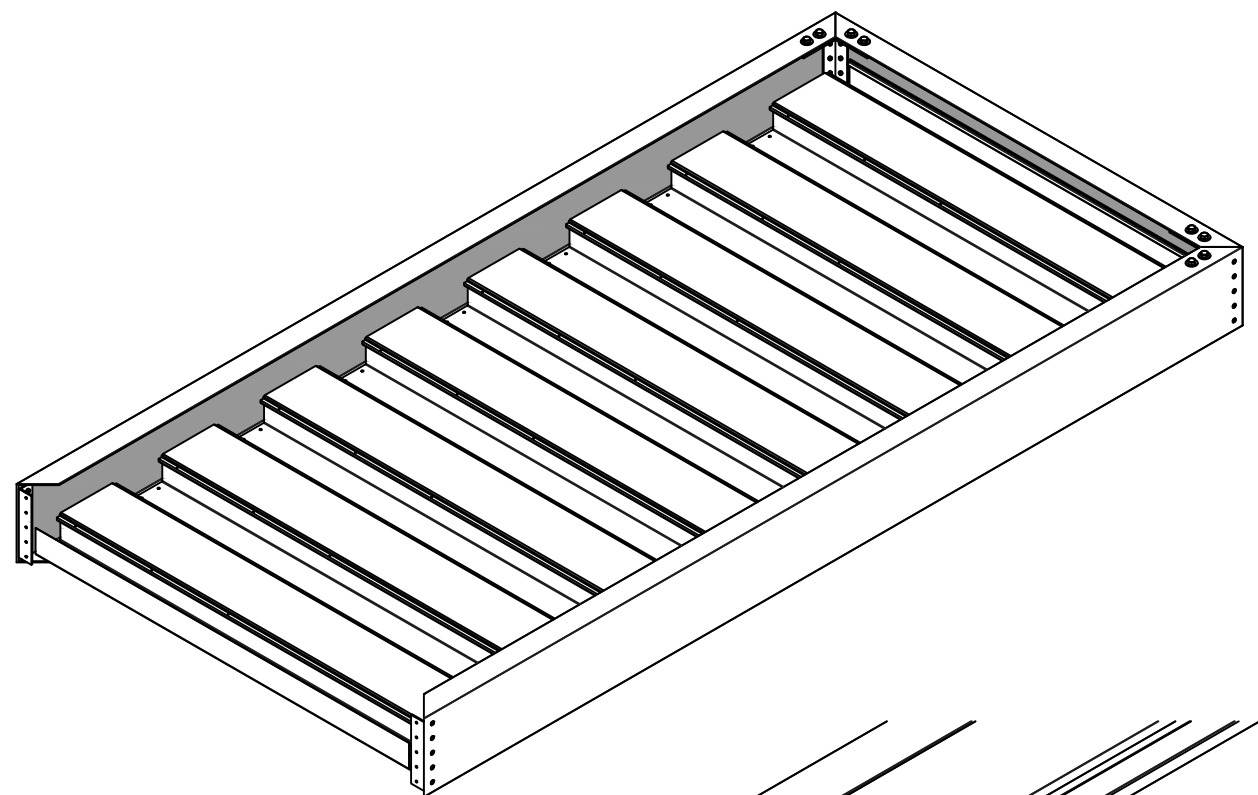




## 6. Fasten Fascia to Deck (CONTINUED):

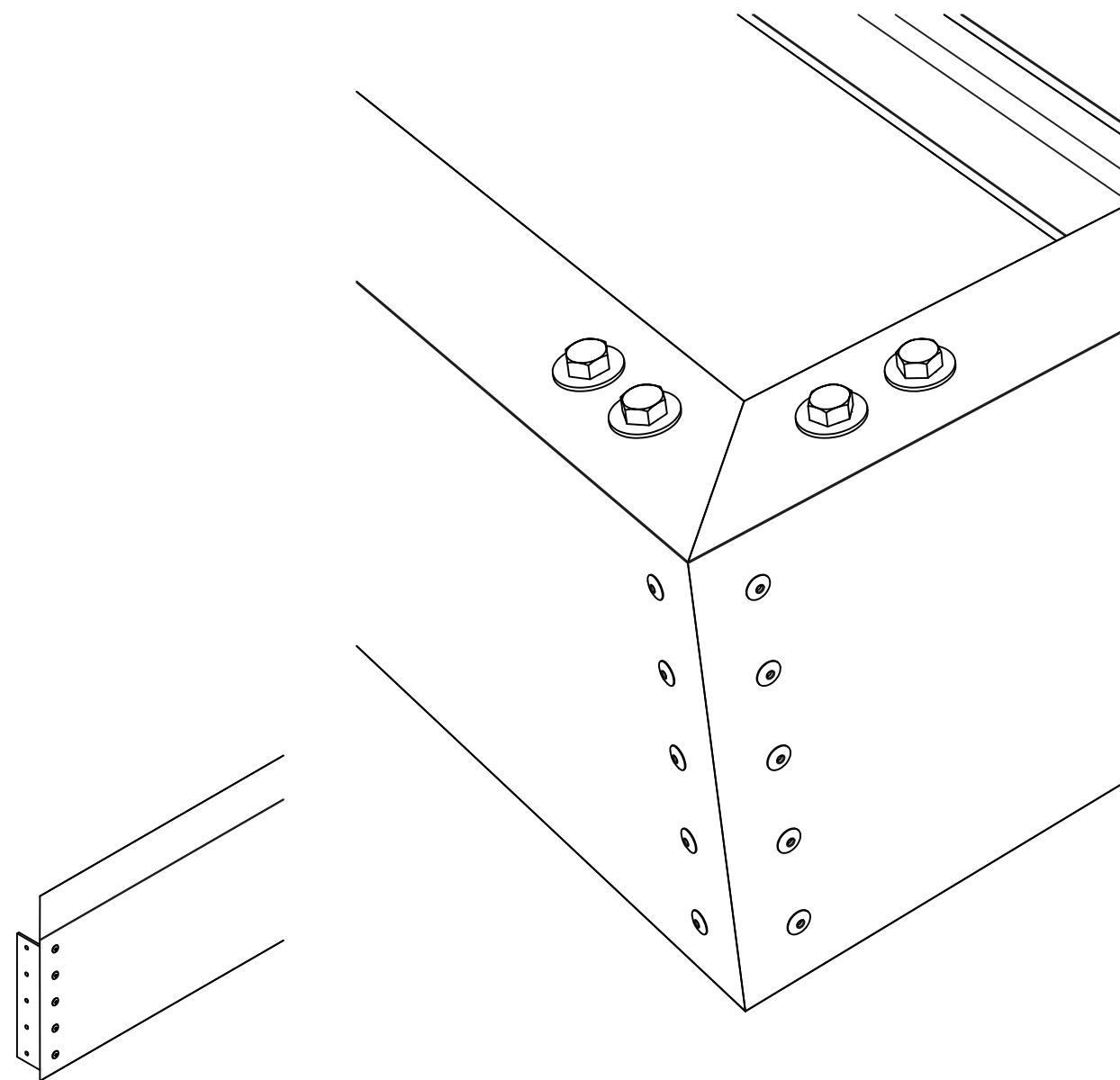
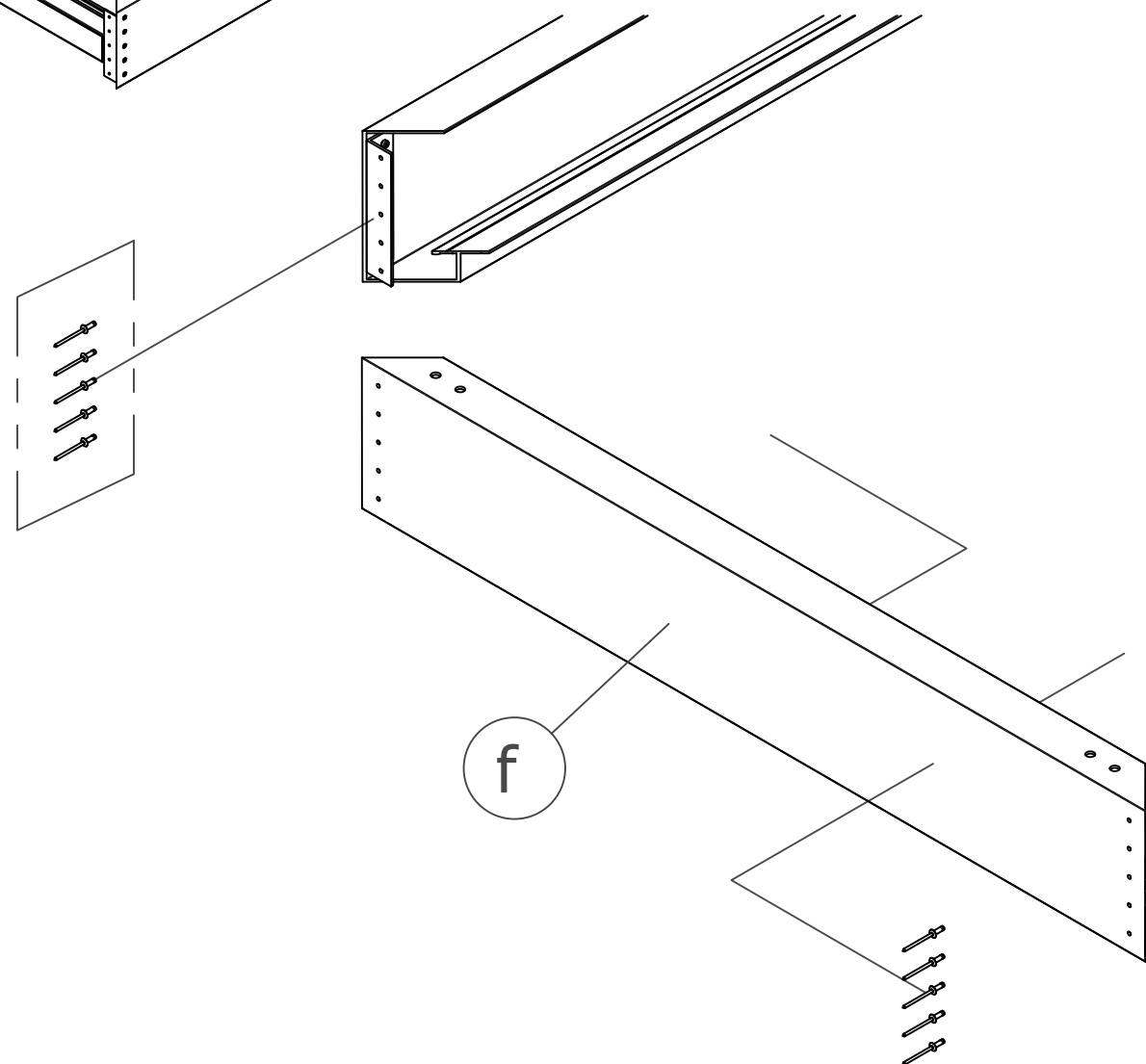
e. Clamp and drill 7/16" holes through fascia top lip and 6" x 6" corner plates and fasten corner plate underneath top lip of fascia using (4) 3/8" machine bolt assemblies to complete corner.



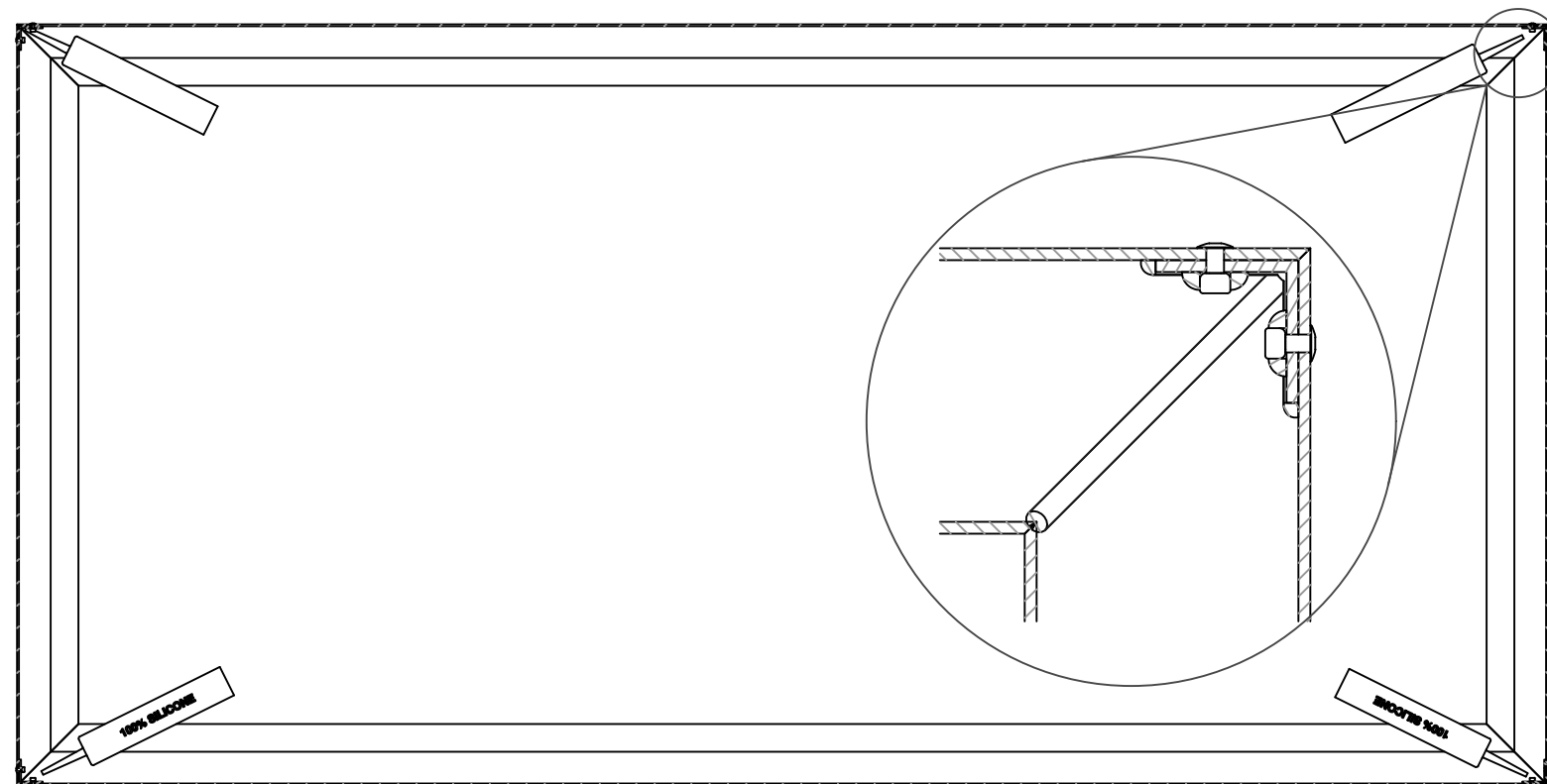


## 6. Fasten Fascia to Deck (continued):

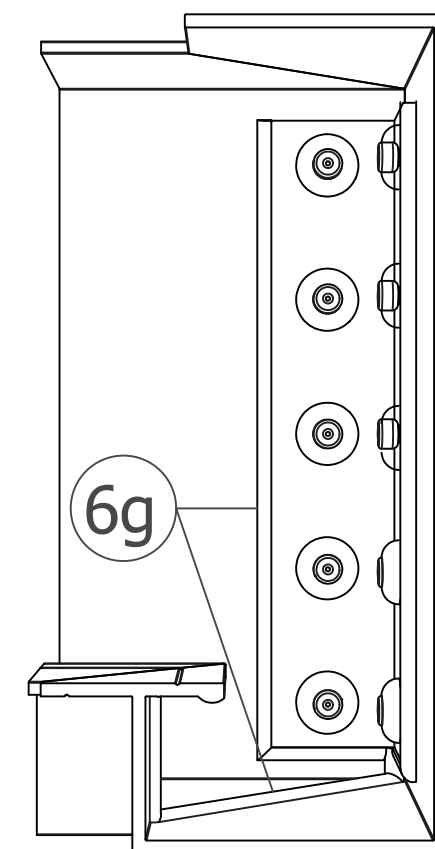
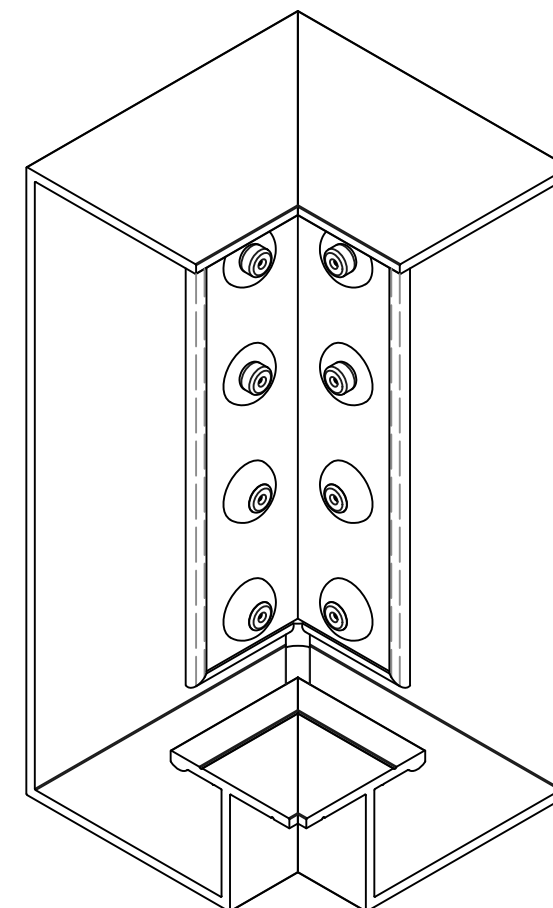
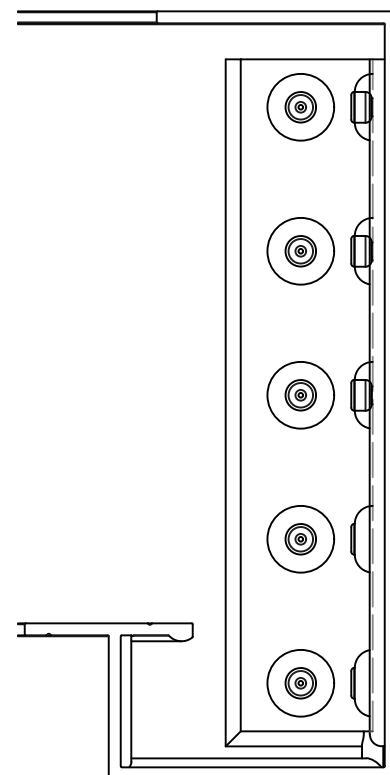
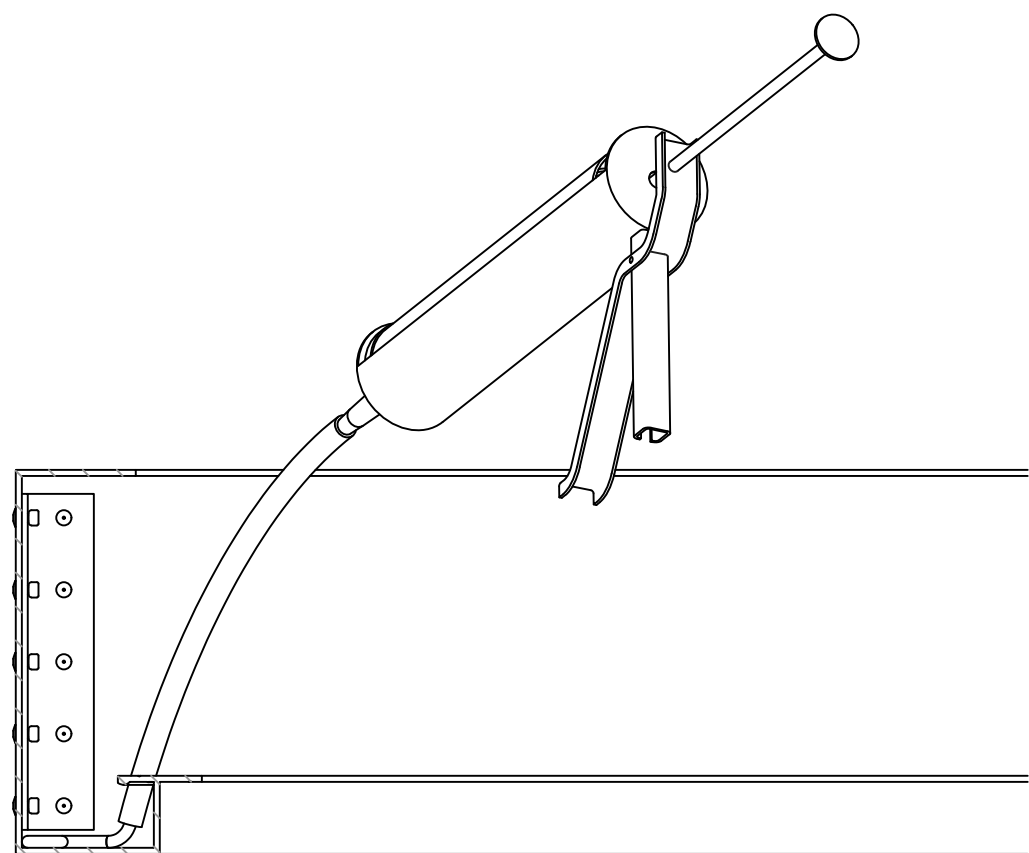
f) Assemble last side fascia piece to complete fascia frame. Seal corners per #6g.



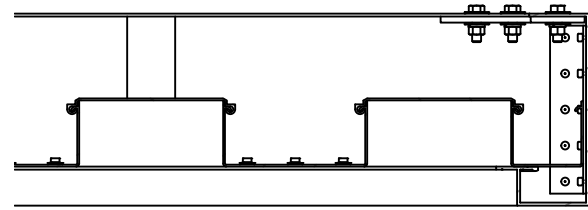




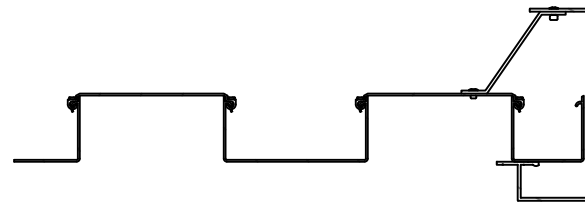
**6. Fasten Fascia to Deck (continued):**  
 g) Apply continuous sealant either side of the corner angle from top down, across bottom of trough at seam and back up to fascia inside lip. Use flexible hosing to direct silicone into tight corners. Also, seal in joint band at all fascia breaks (if present).



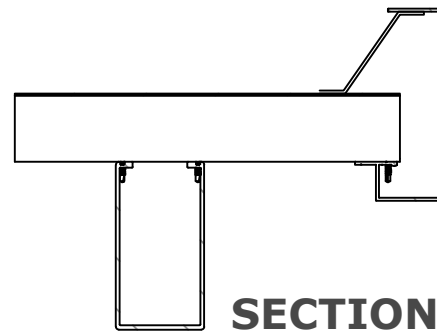
## Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)



**SECTION 'EE'**



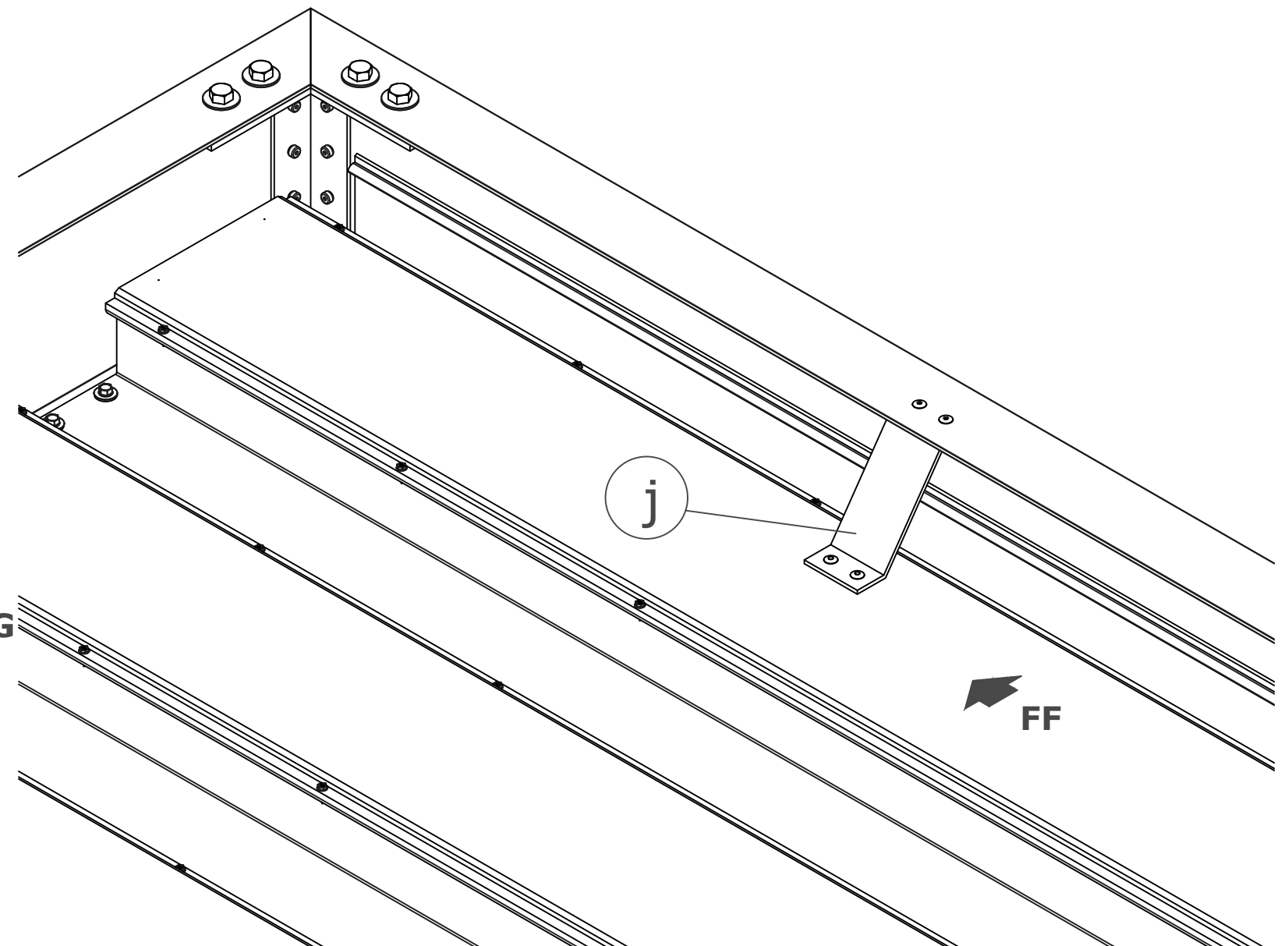
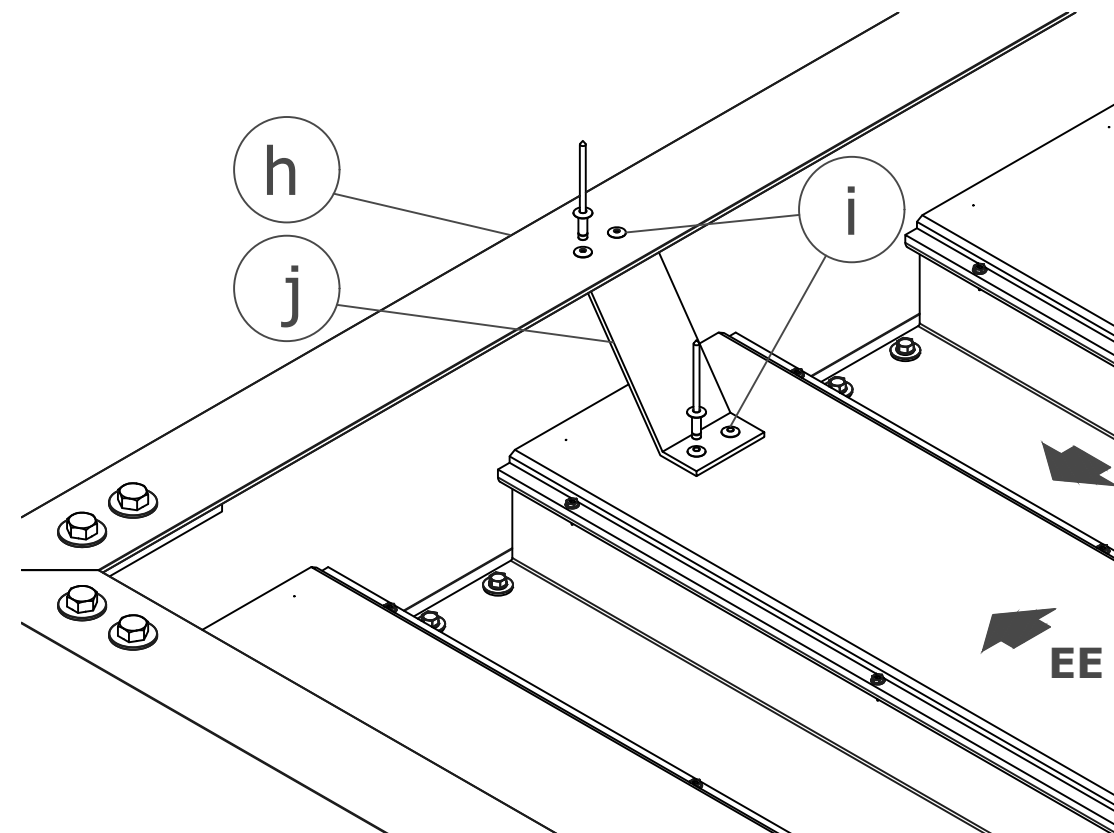
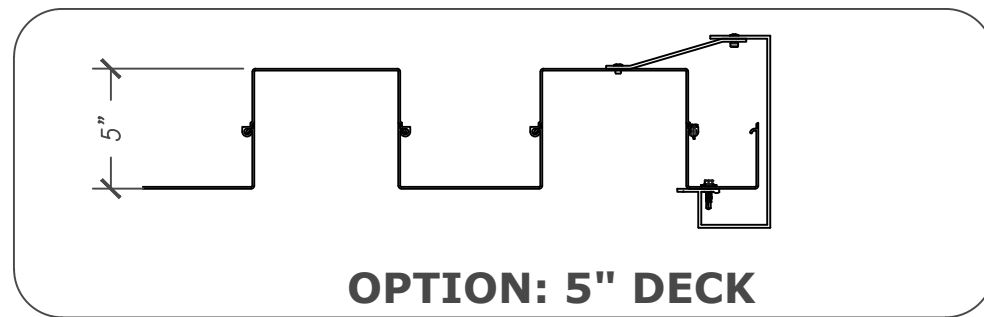
**SECTION 'FF'**



**SECTION 'GG'**

### **6. Assemble Fascia (cont.), Support Bracket:**

- h) Attach 8" fascia to deck perimeter per 6.a thru 6.g.
- i) Field-drill holes for 3/16" rivets in fascia top lip and upper deck member.
- j) Install fascia support bracket from upper deck member to top lip of fascia. Use self-sealing rivets through deck.



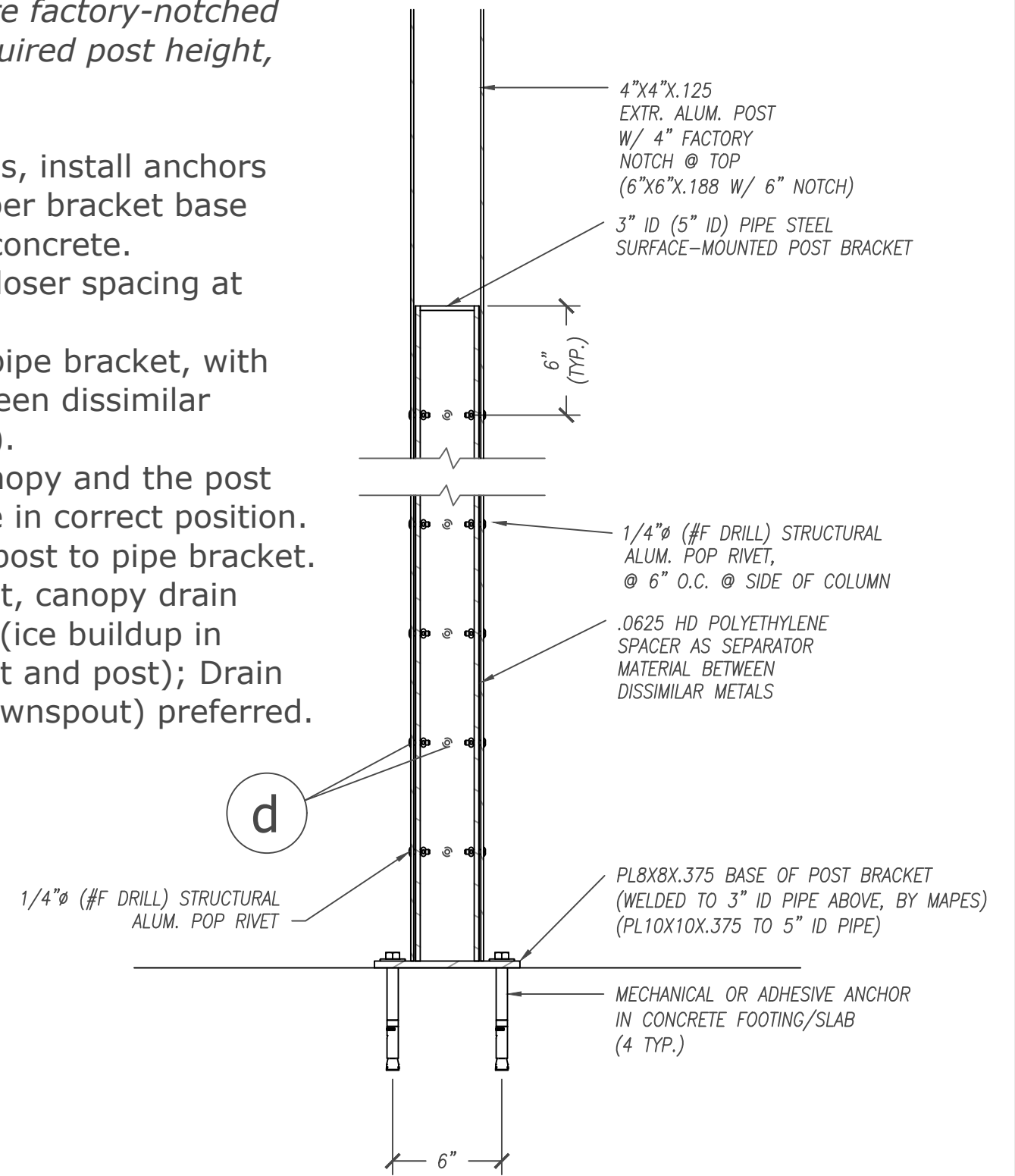
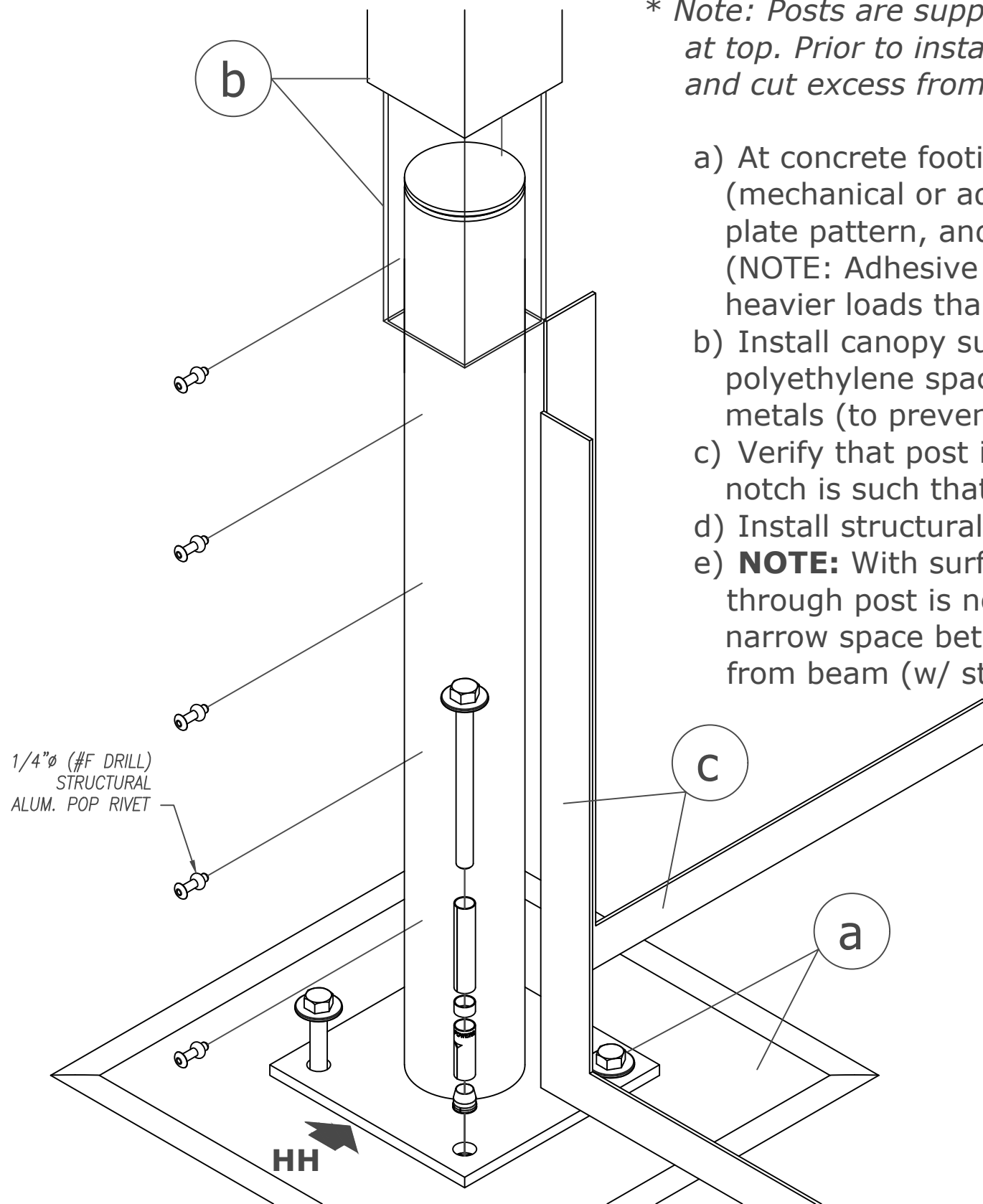
## Canopy Assembly Instructions:

### Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

### OPTION, Surface-Mounted Post:

*\* Note: Posts are supplied "long" and are factory-notched at top. Prior to installation, verify required post height, and cut excess from BOTTOM end.*

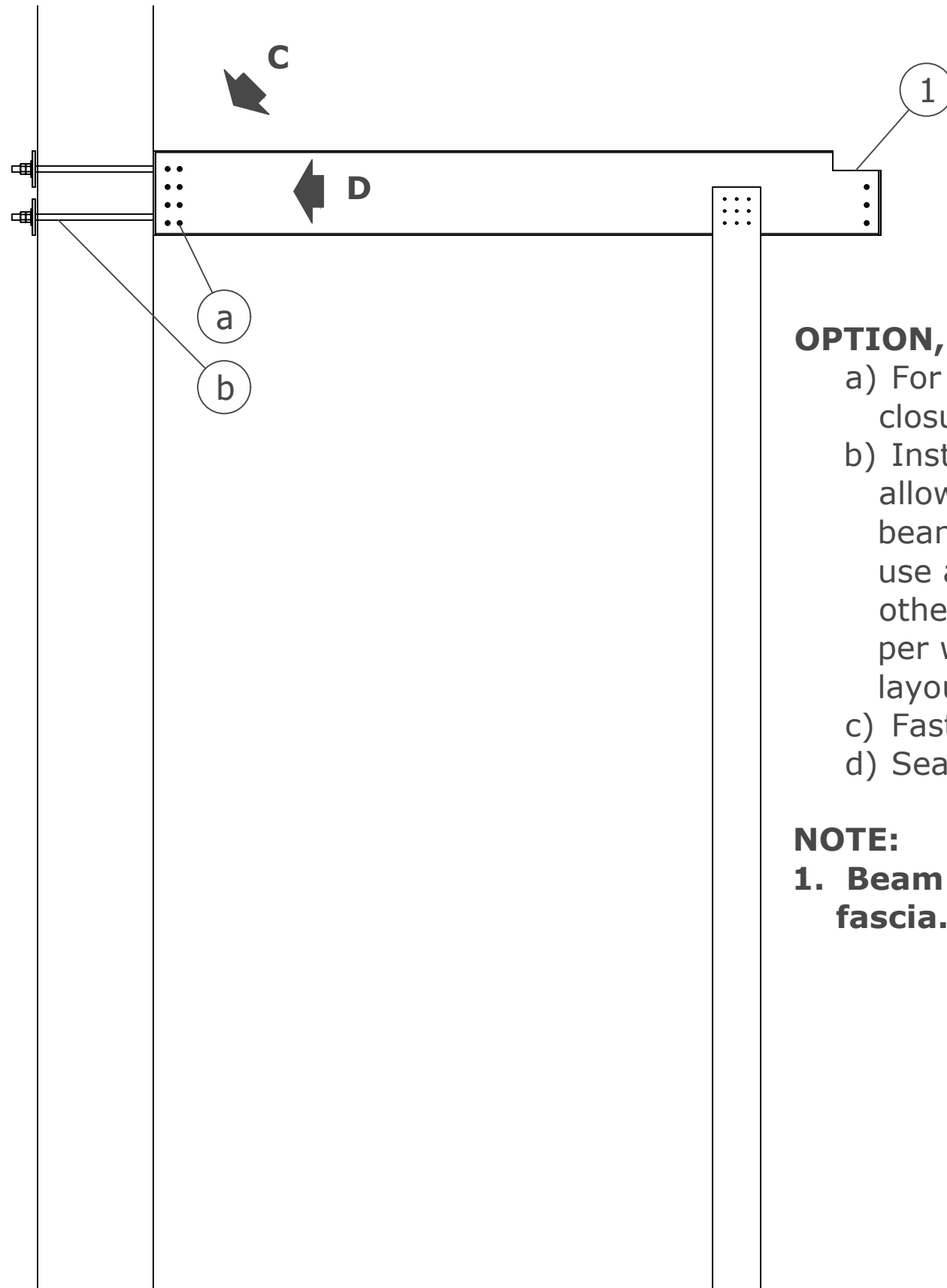
- a) At concrete footing / post locations, install anchors (mechanical or adhesive system) per bracket base plate pattern, and secure base to concrete.  
(NOTE: Adhesive anchors permit closer spacing at heavier loads than mechanical).
- b) Install canopy support post over pipe bracket, with polyethylene spacer material between dissimilar metals (to prevent galvanic action).
- c) Verify that post is square with canopy and the post notch is such that the beam will be in correct position.
- d) Install structural rivets to secure post to pipe bracket.
- e) **NOTE:** With surface-mounted post, canopy drain through post is not recommended (ice buildup in narrow space between post bracket and post); Drain from beam (w/ stub/scupper or downspout) preferred.



## SECTION 'HH'

SLD-11  
COMMON

# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

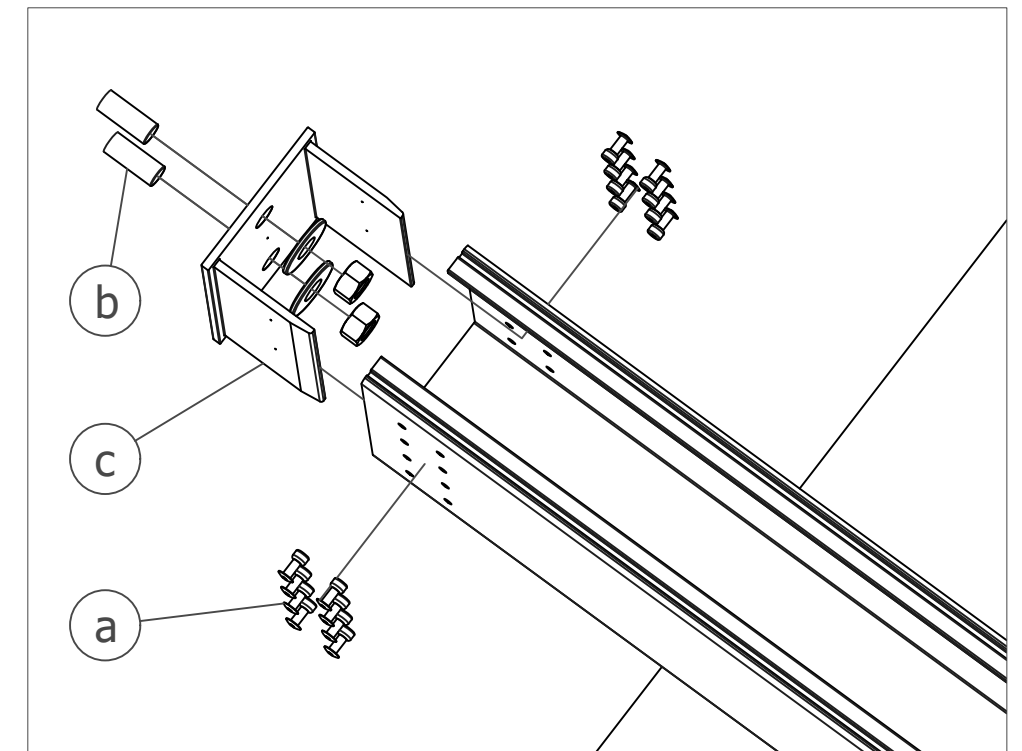


## OPTION, Wall-Mounted Beam:

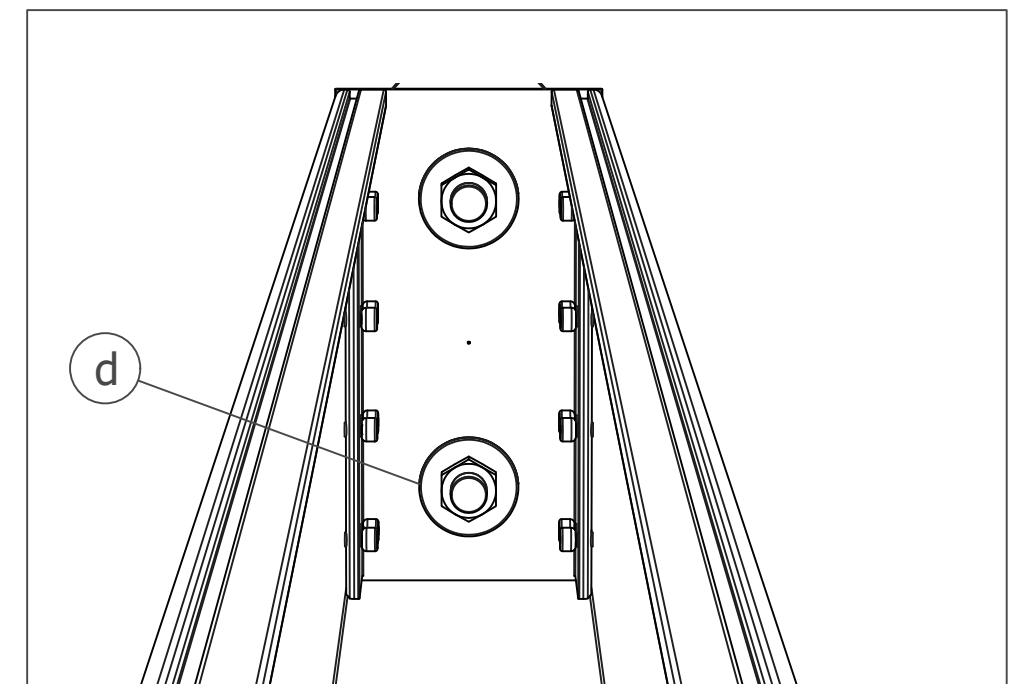
- a) For wall-mount application, beam end closure will have 2x rows of 4 rivets.
- b) Install wall bolts at beam location, allowing 1" minimum protrusion. (If beam end closure has factory holes, use as template for wall bolts; otherwise, field-drill beam end closure per wall bolt spacing, keeping bolt layout within the beam end area).
- c) Fasten beam end closure to wall bolts.
- d) Seal wall bolts.

## NOTE:

- 1. Beam end is factory-notched for 8" fascia.

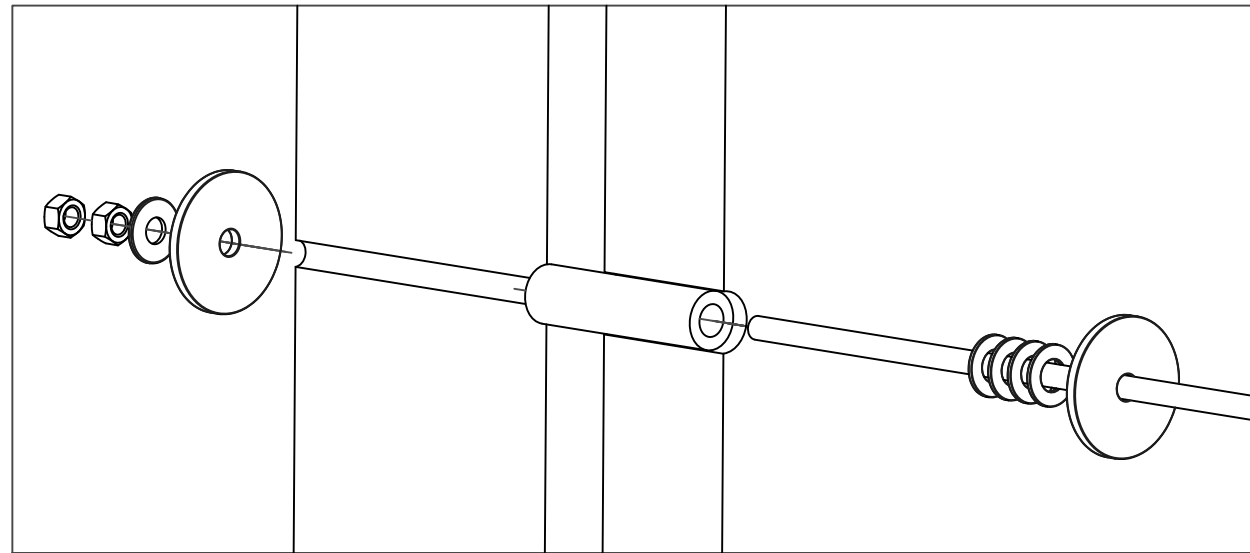


VIEW 'C'



VIEW 'D'

## Canopy Assembly Instructions: Crush Sleeve Assembly



### Crush Sleeve Application:

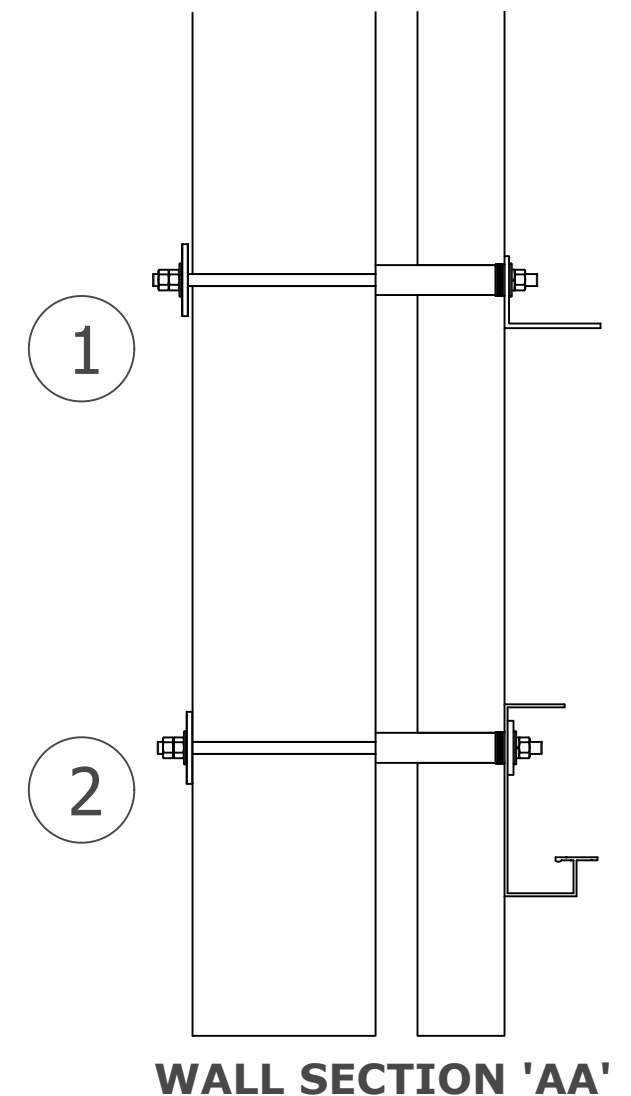
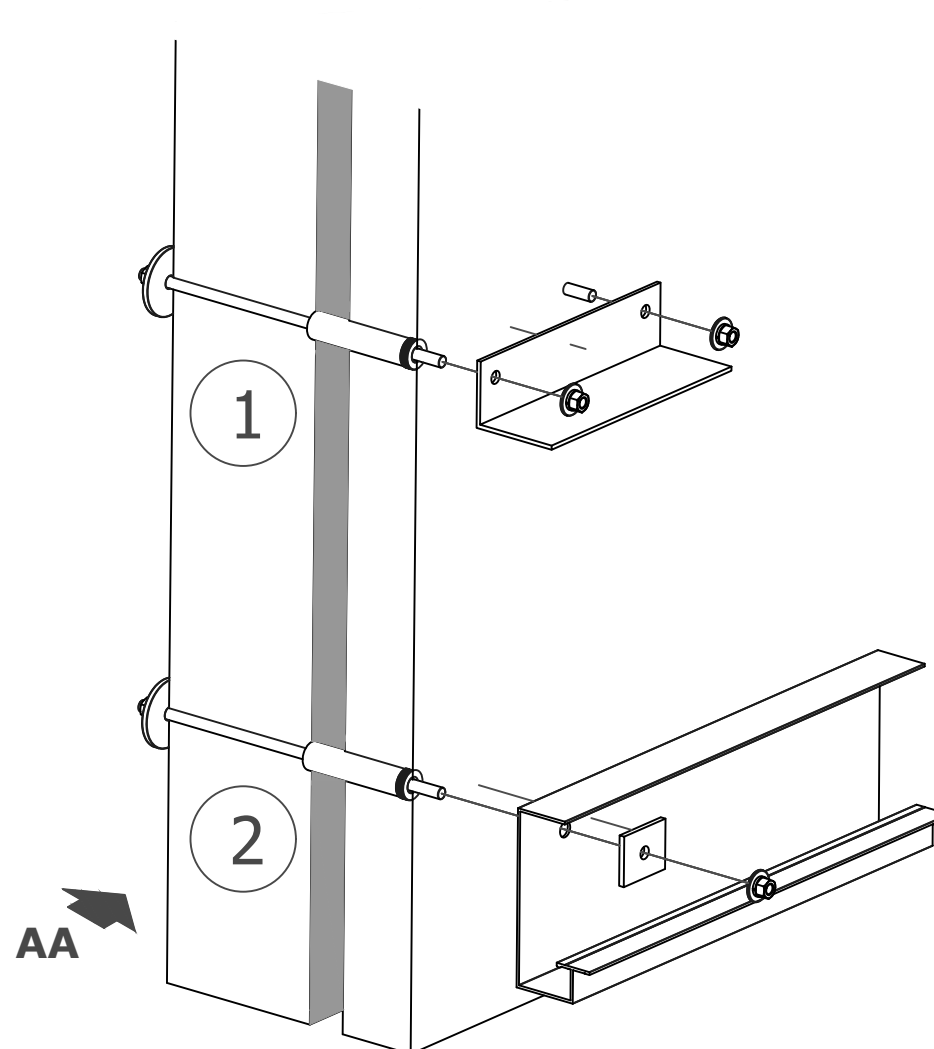
On certain wall types, to prevent damage to the wall cladding or veneer, a "crush sleeve" assembly is added. Installed w/ the wall bolt, sleeve functions as a "ferrule" through wall cladding and transfers the canopy load to the building structure beyond.

#### 1. Beam or deck Connection:

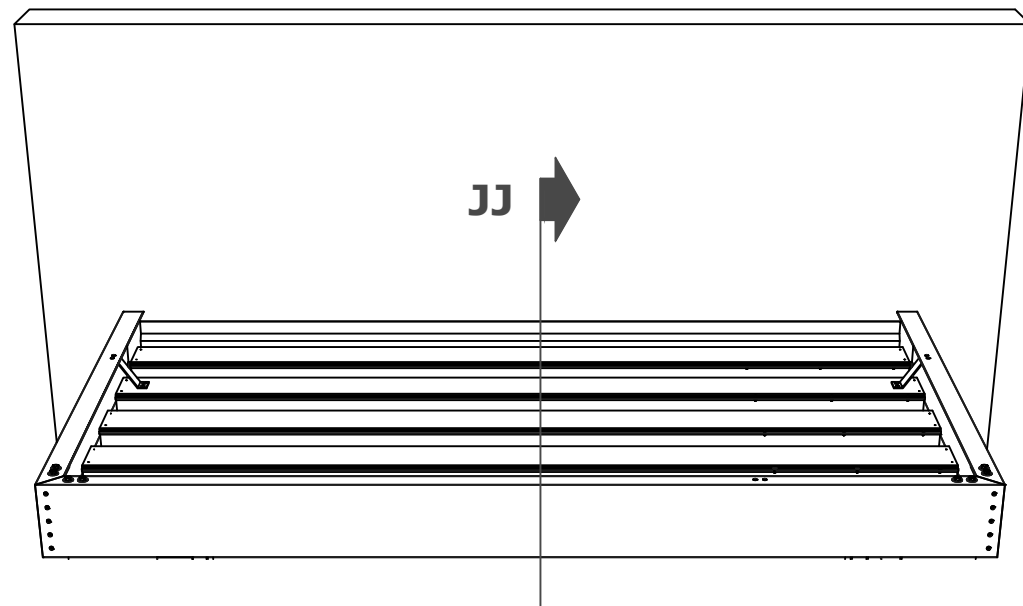
1/2"Ø Threaded rod w/ washers, nuts & 3"ØX.25 backing plate (w/ 1 1/4" OD x 11/16" ID tubing as crush sleeve (w/ 2 to 4 flat washers to bring assembly to wall face) through wall)

#### 2. Fascia Connection:

Same assembly as above, and may include a 3" washer or other plate under front nut to reinforce hole in fascia.



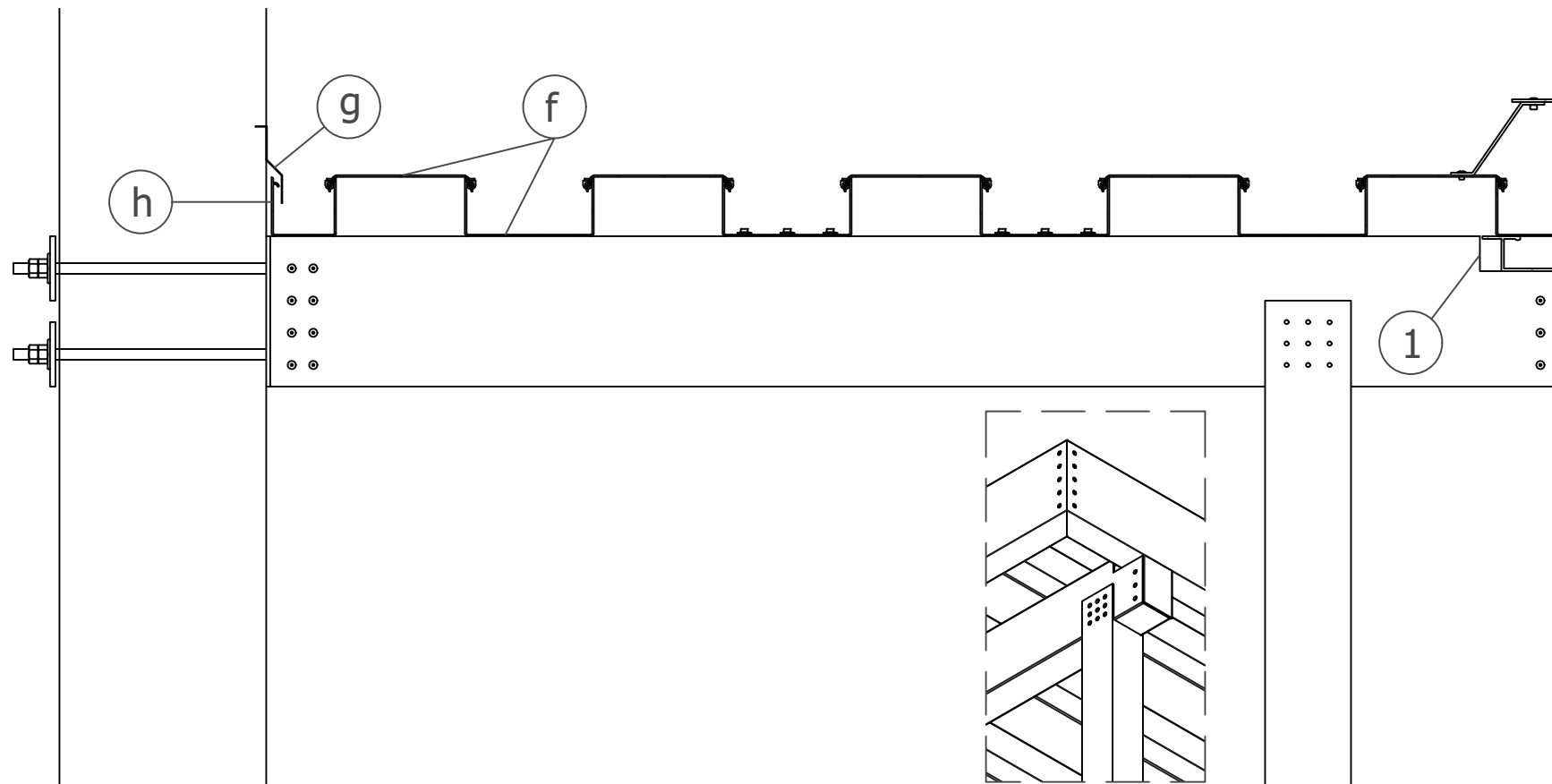
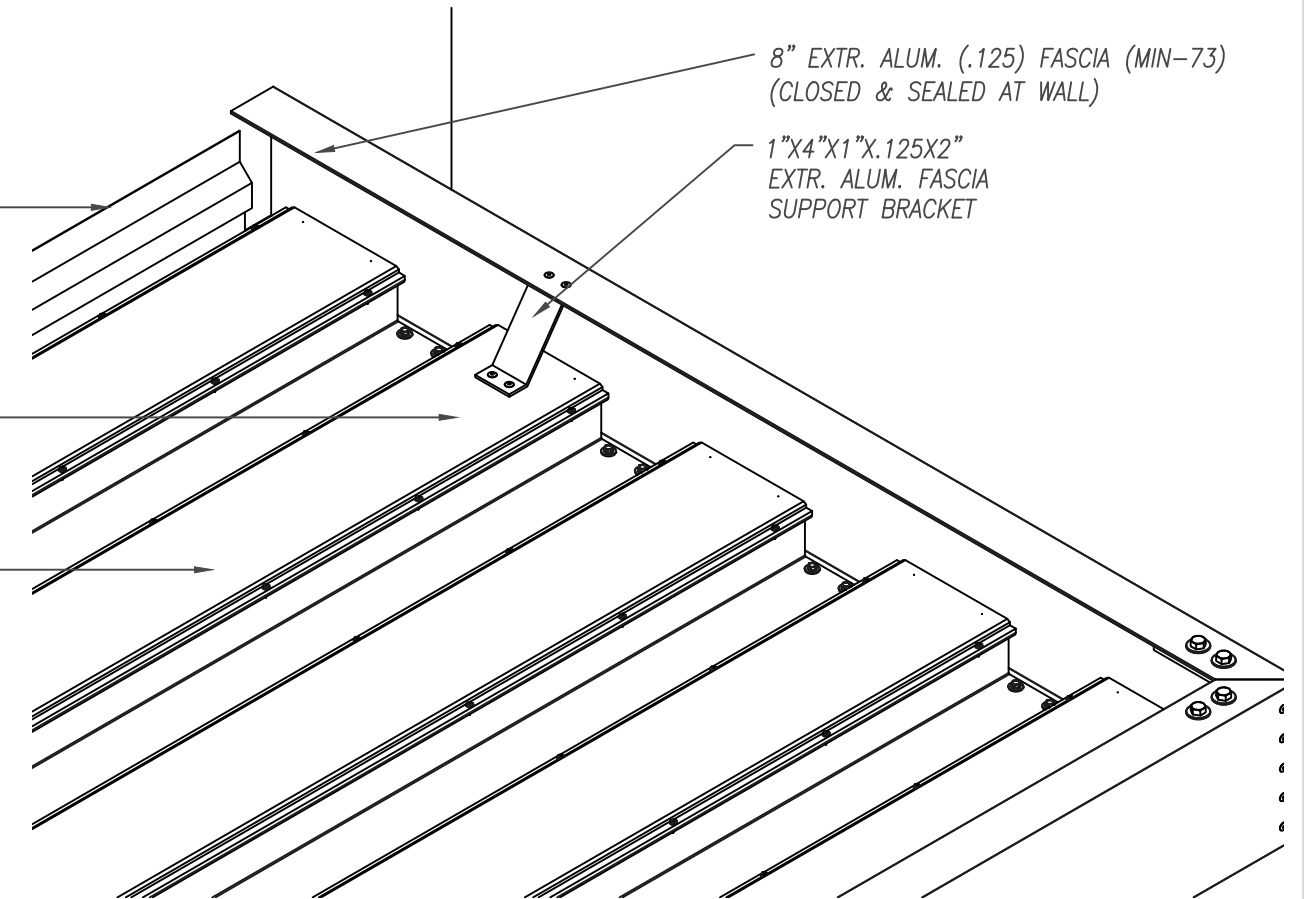
# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)



FLASHING BY MAPES  
\* PLEASE NOTE FLASHING IS SENT LONG,  
AND IS NOTCHED IN FIELD, TYP.

3/16"Ø (#11 DRILL) SELF-SEALING  
ALUM. POP RIVET

2 3/4"X6"X.078 EXTR. ALUM.  
INTERLOCKING DECKING



SECTION 'JJ'

## NOTE:

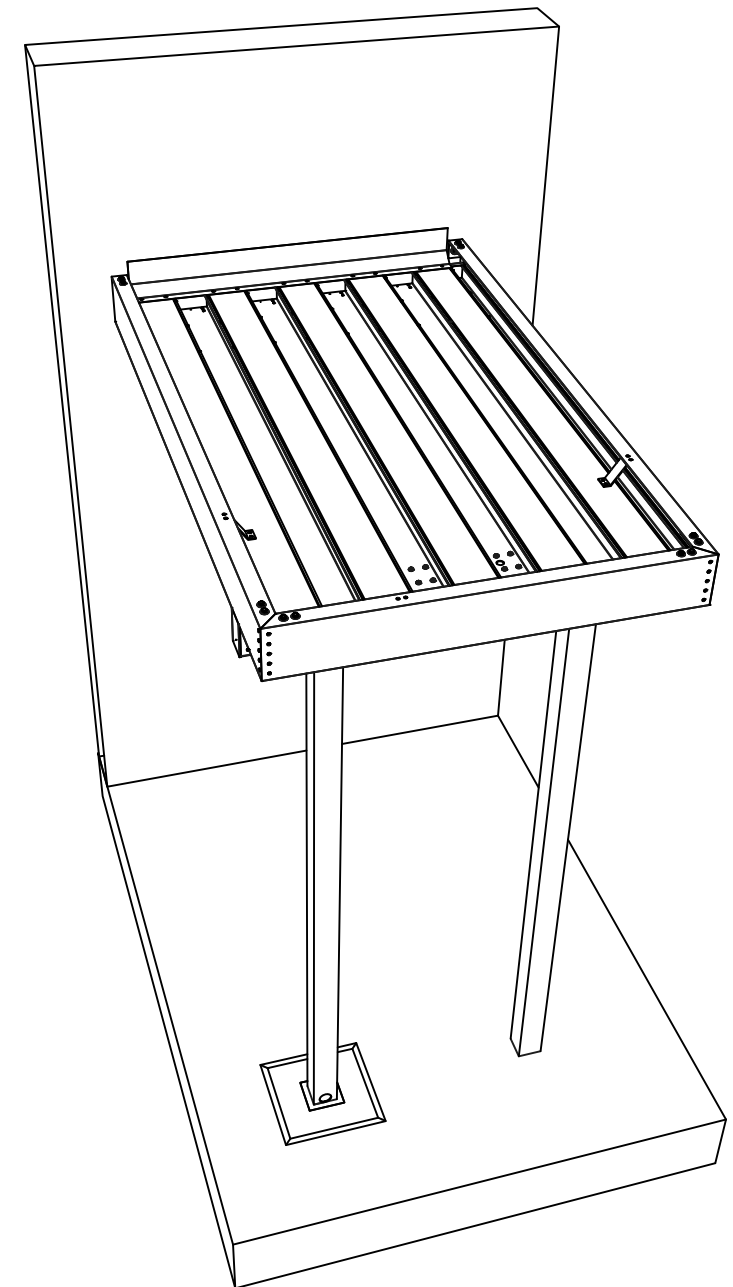
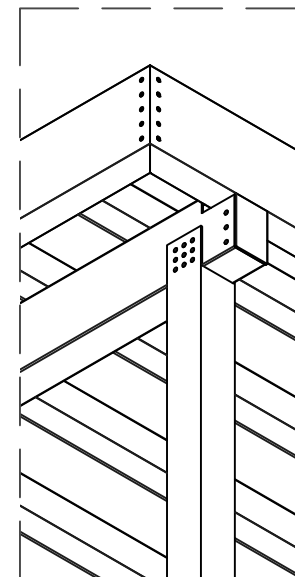
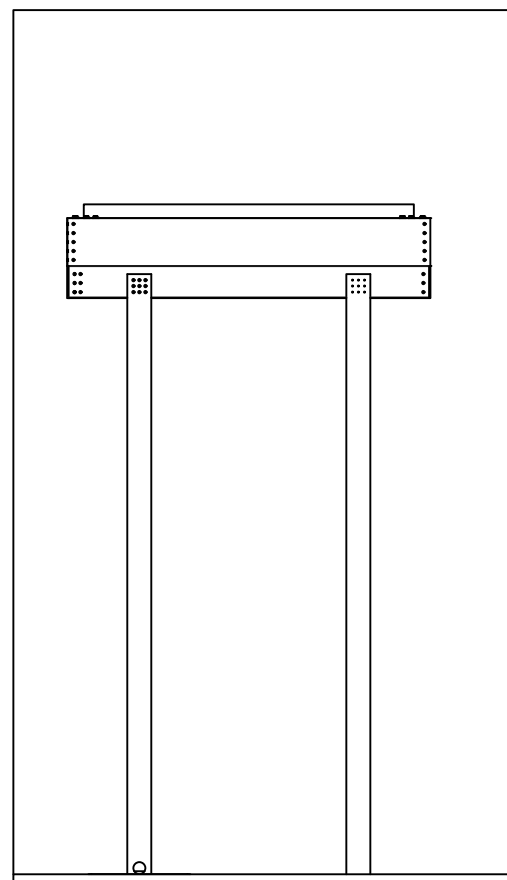
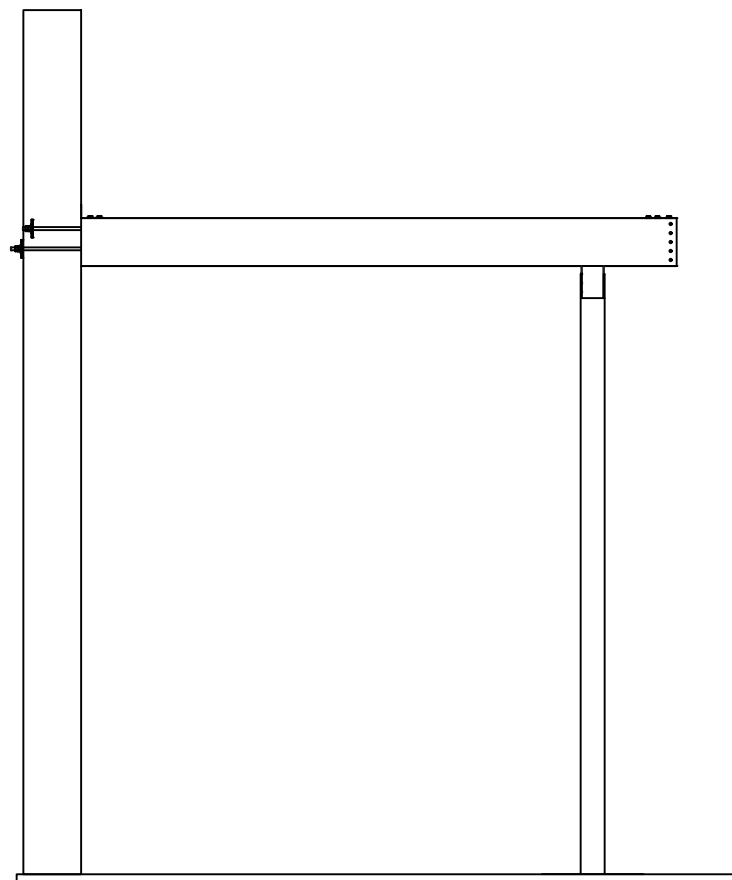
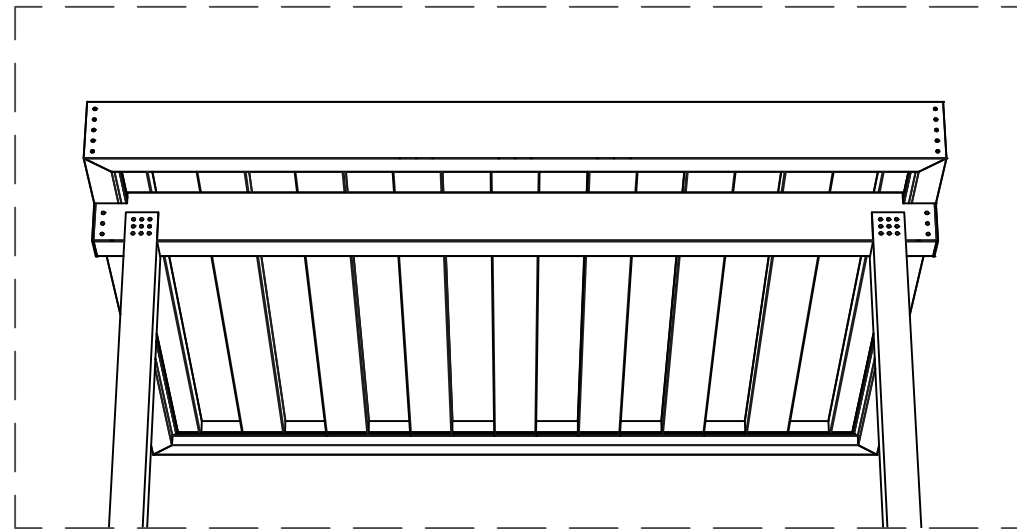
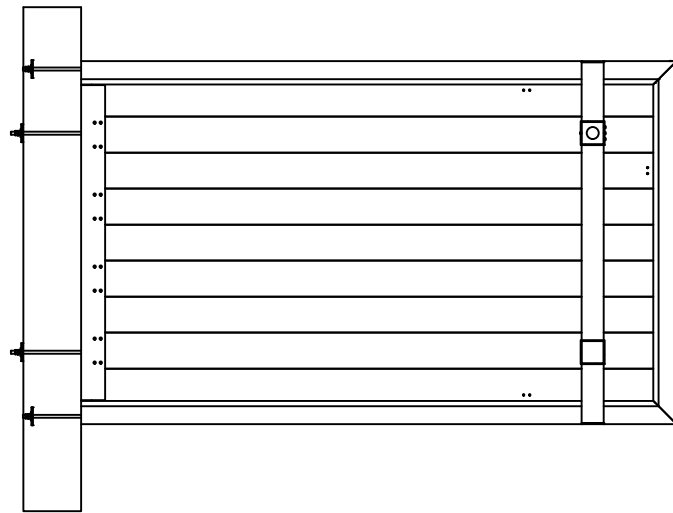
1. Beam end is factory-notched for 8" fascia.

## OPTION, Wall-Mounted Beam (continued):

- e) When canopy beams are perpendicular to wall, decking will be parallel to wall.
- f) Install deck as per deck assembly in steps 3, 4, 5.
- g) Install flashing over leg of deck piece at wall. (NOTE: Flashing is sent long and notched in field)
- h) Sealant by installer. Seal continuous behind deck leg at wall, and behind and atop flashing at wall. Seal or anchor flashing to wall.

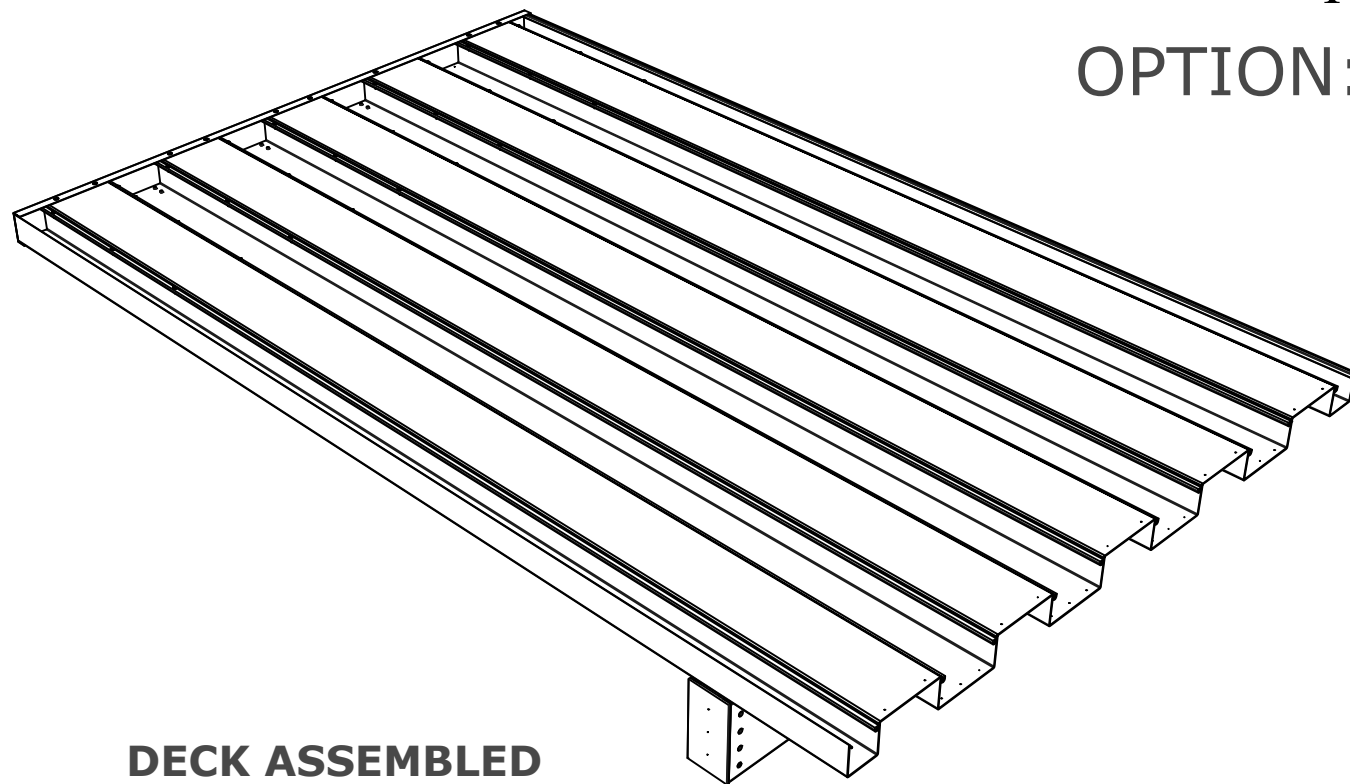
Canopy Assembly Instructions:  
Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

OPTION: Wall-Mounted Deck



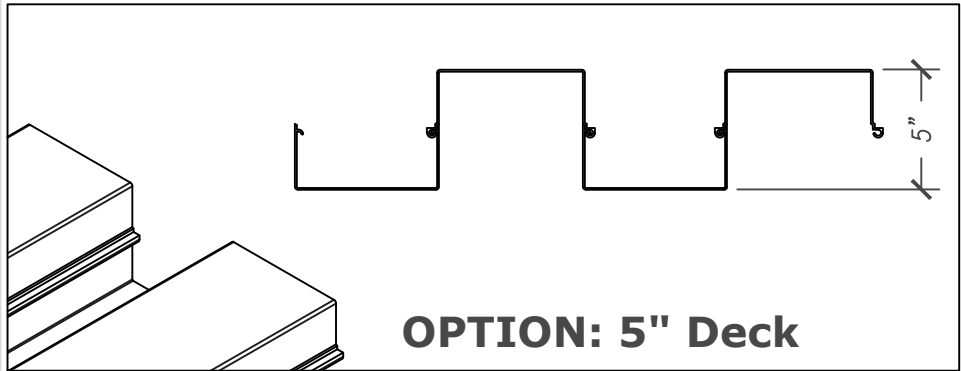
# Canopy Assembly Instructions: Post-Supported Super Lumideck

## OPTION: Wall-Mounted Deck

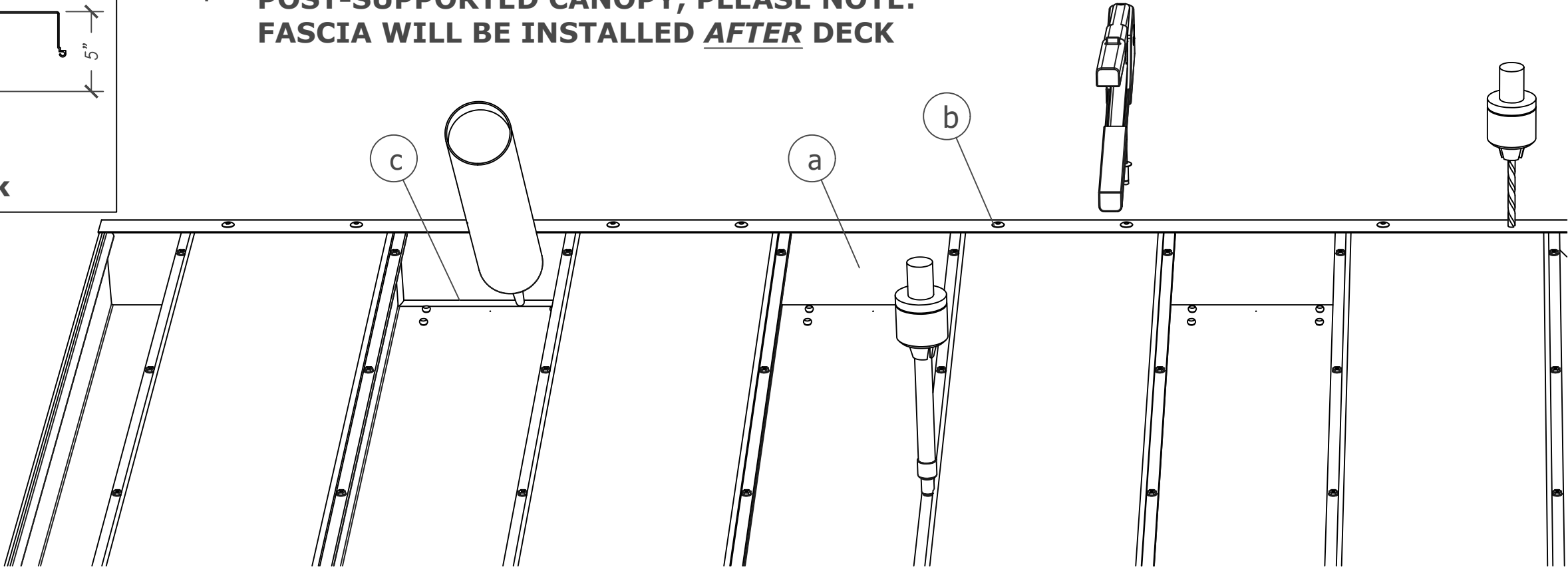


### Attach Deck End Closure:

- a) Wall-mounted deck (no fascia at wall) requires the deck to be enclosed and sealed at end. Drainage is then only toward the front.
- b) Fasten top lip of deck closure to upper deck member.
- c) Apply continuous sealant to both legs and bottom of lower deck member at end closure.
- d) Continue assembly and install flashing as directed on next page.



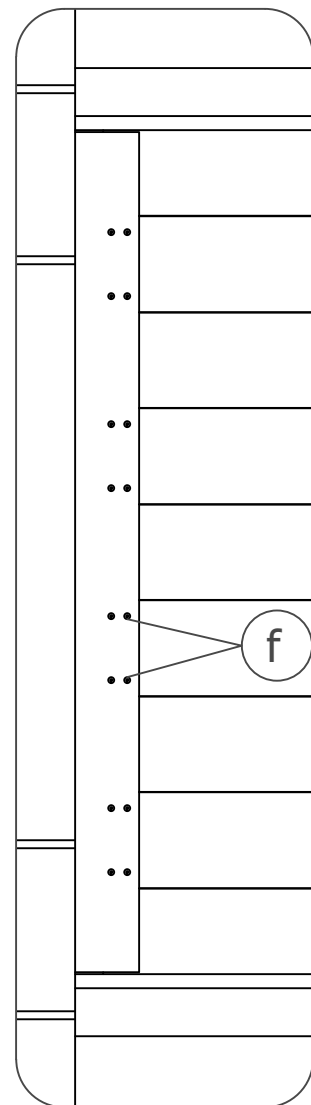
**\* POST-SUPPORTED CANOPY, PLEASE NOTE:  
FASCIA WILL BE INSTALLED AFTER DECK**



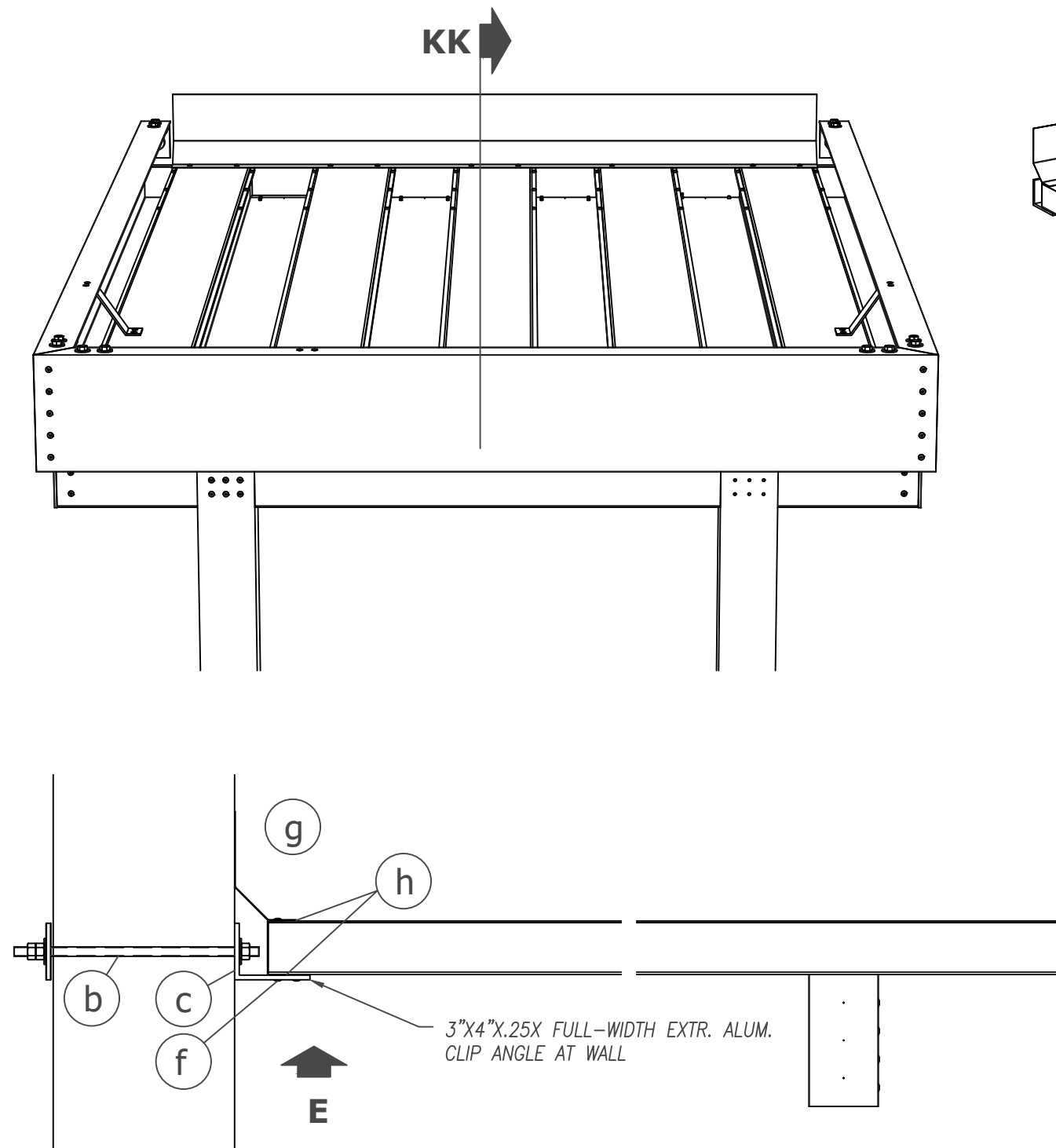


# Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

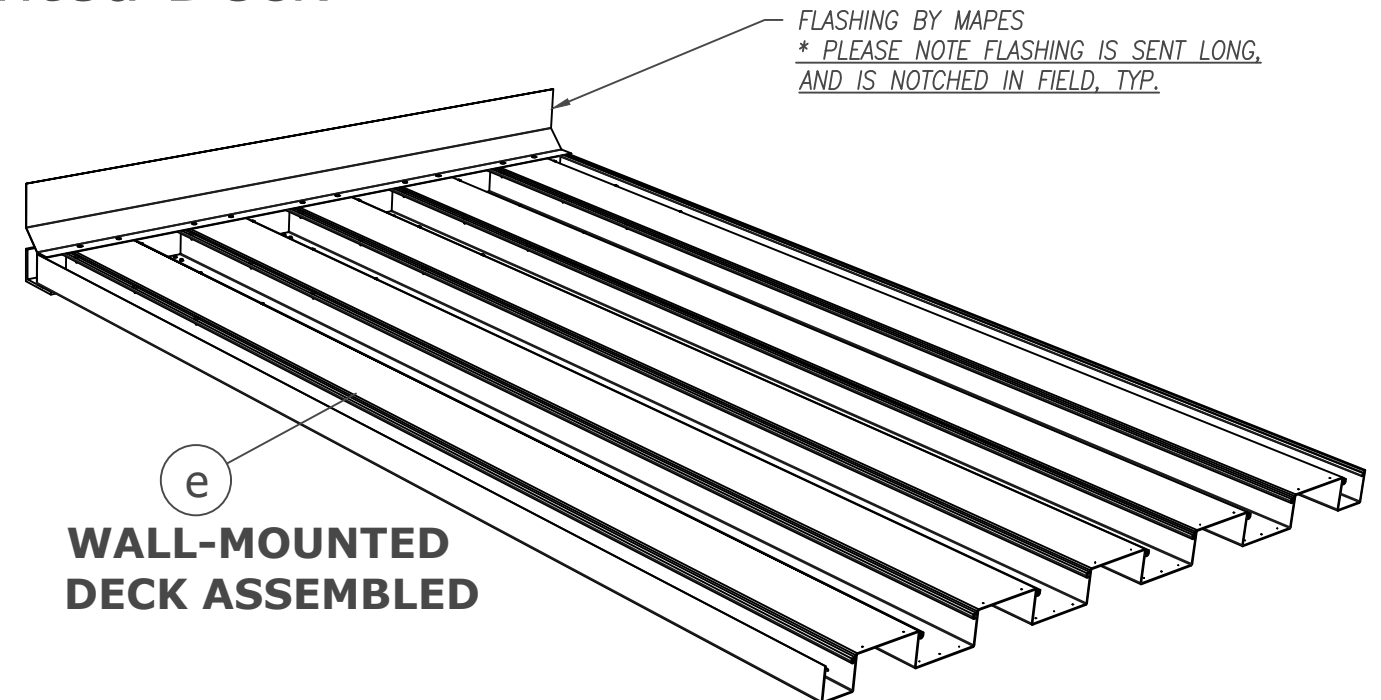
## OPTION: Wall-Mounted Deck



**VIEW 'E'**



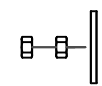
**SECTION 'KK'**



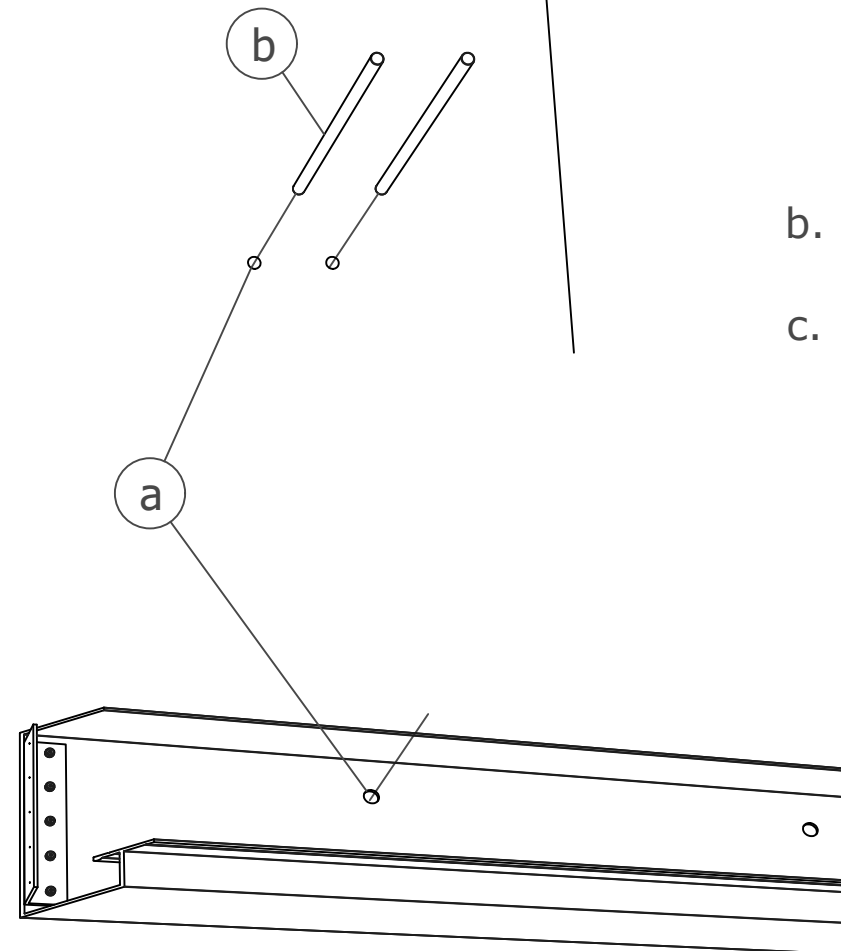
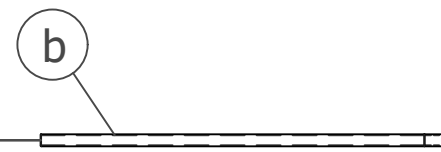
**WALL-MOUNTED  
DECK ASSEMBLED**

### OPTION, Wall-Mounted Deck:

- For wall-mount deck, lower deck members are supported by horizontal rear clip angle mounted to wall at rear of canopy.
- Install wall bolts at rear clip location, allowing 1" minimum bolt protrusion. (If rear clip angle has factory holes, use as template for wall bolts; otherwise, field-drill rear clip per wall bolt spacing).
- Fasten rear clip angle to wall bolts.
- When canopy beams are parallel to wall, decking will be perpendicular to wall.
- Install deck as per deck assembly in steps 3, 4, 5.
- Fasten each lower deck member to rear clip with (4) 3/16" self-sealing rivets
- Install flashing (sent long; field-notched) over deck end closure at wall. Installer seal behind and top edge of flashing at wall; h) Rivet leading edge of flashing to top lip of rear deck closure and deck.

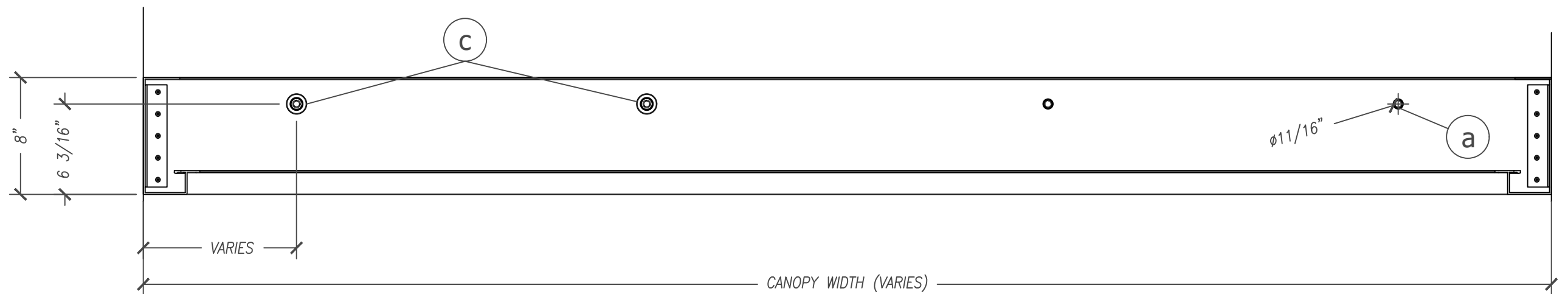
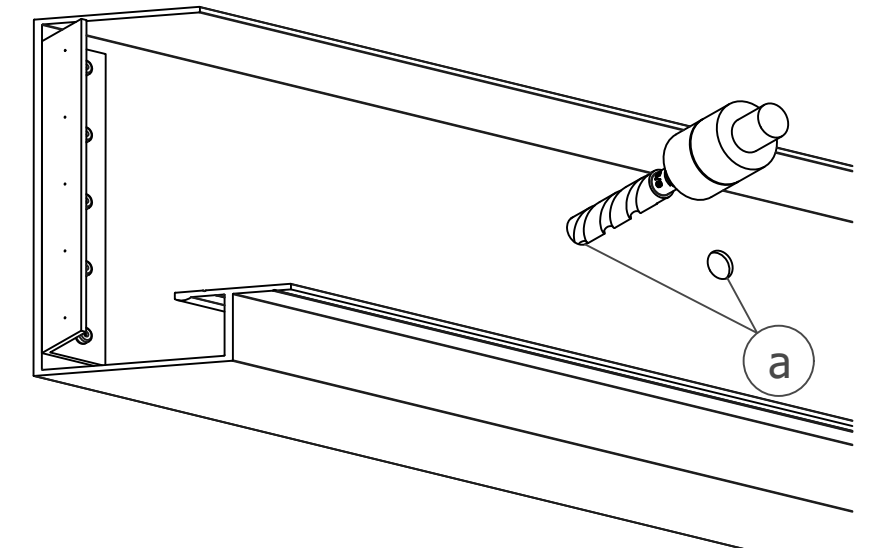


\* Threaded rod and crush sleeve sent long to be field-cut.



### OPTION, WALL-MOUNTED FASCIA:

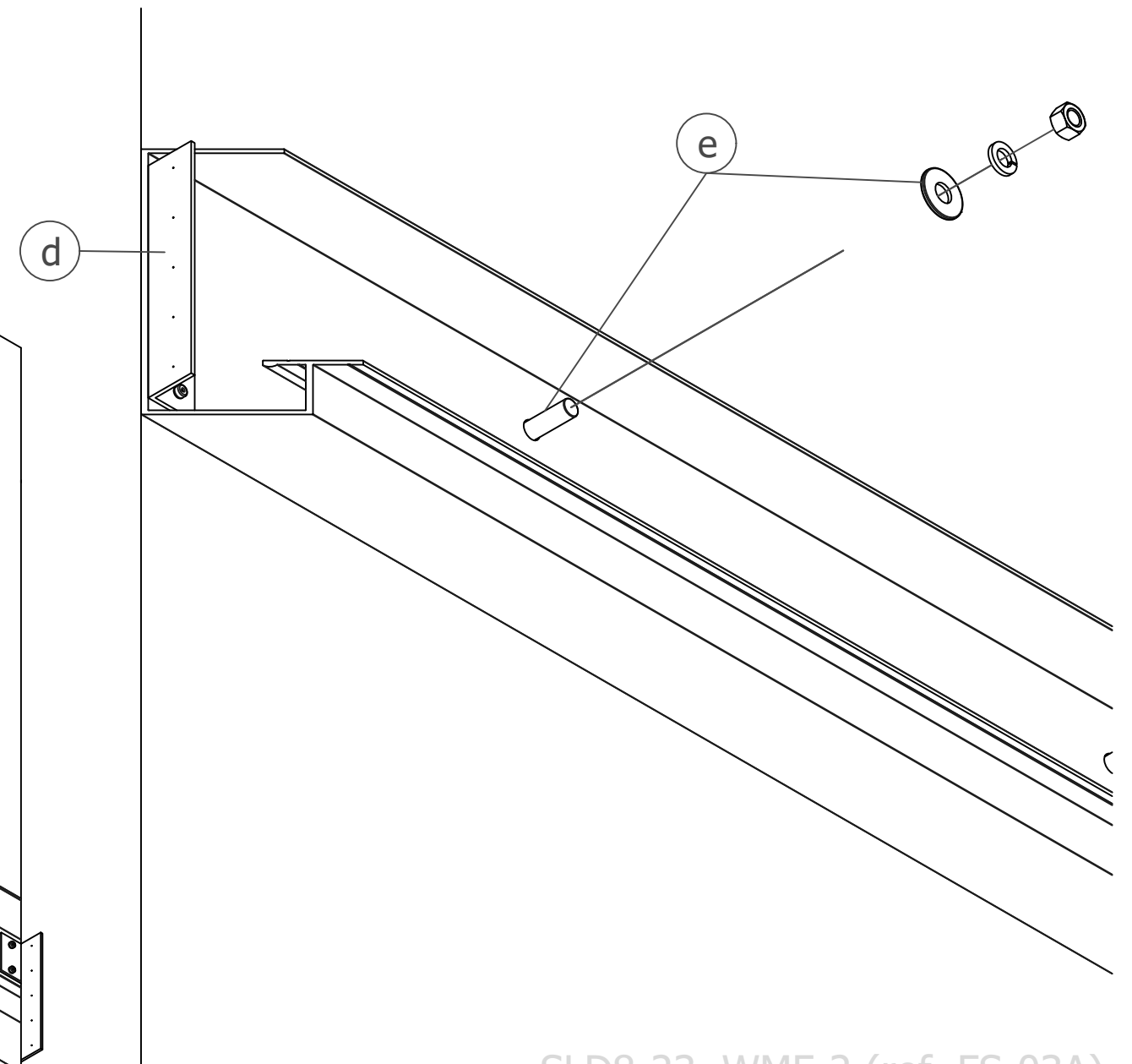
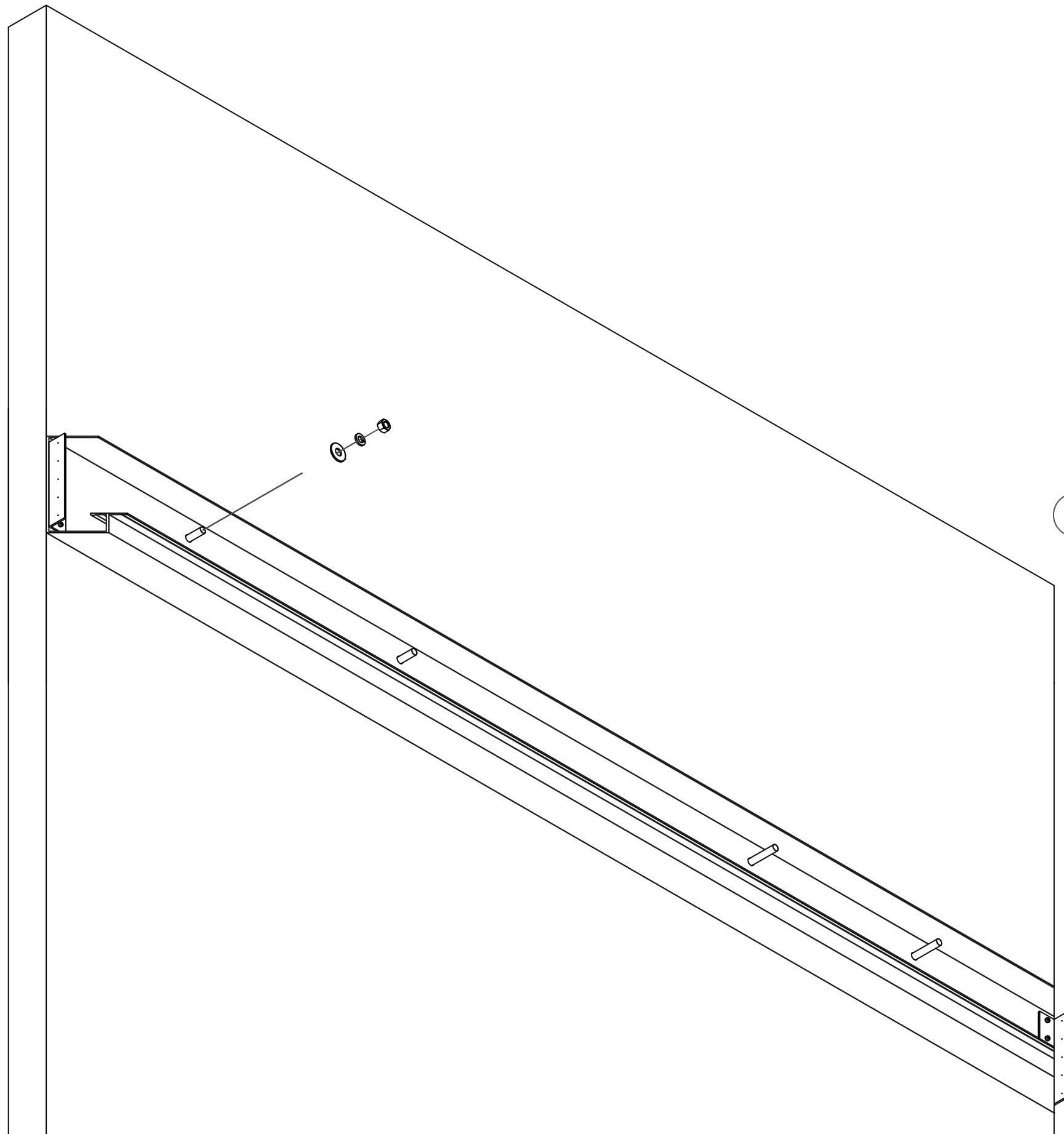
- Using approved shop drawings as guide, measure and locate hole spacing in wall to correspond to rear fascia hole spacing. Drill  $11/16"$  holes in fascia for easier fit when sliding fascia over the wall anchors. Use a center punch for accurate drilling.
- Install wall anchors for canopy: threaded rod, nuts and backing plates.
- Seal all around wall penetrations.



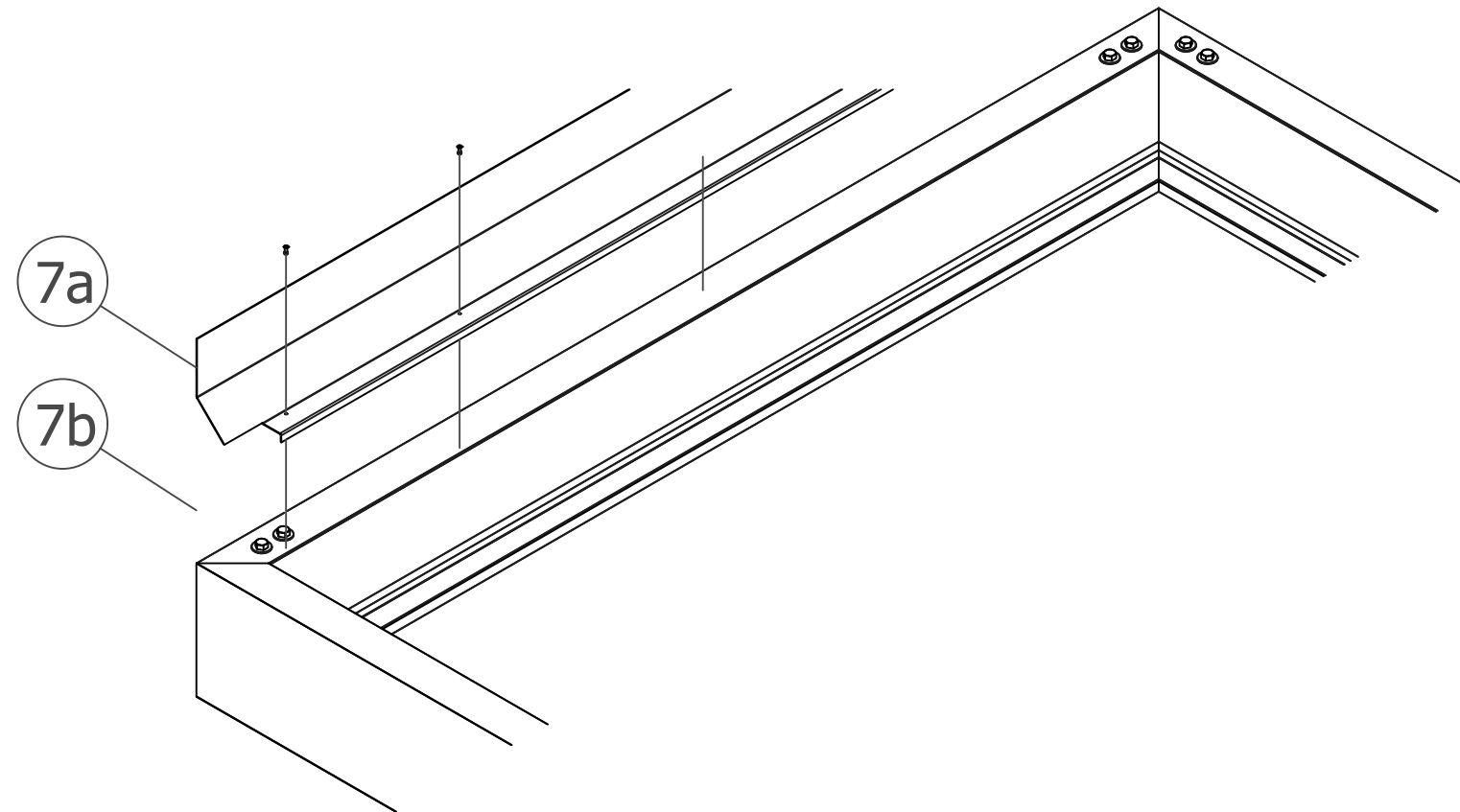
**OPTION, WALL-MOUNTED FASCIA  
(continued): Attach Back Fascia to wall:**

d. 1 1/2" x 1 1/2" inside corner angles are already assembled to fascia on 1 side.

e. Fasten rear fascia to wall with nuts & washers over threaded rod.

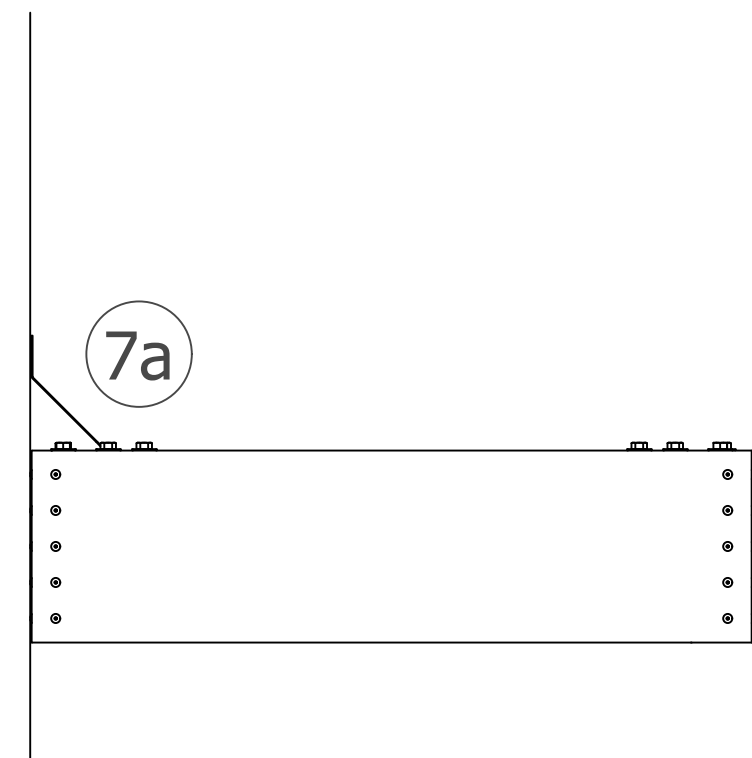


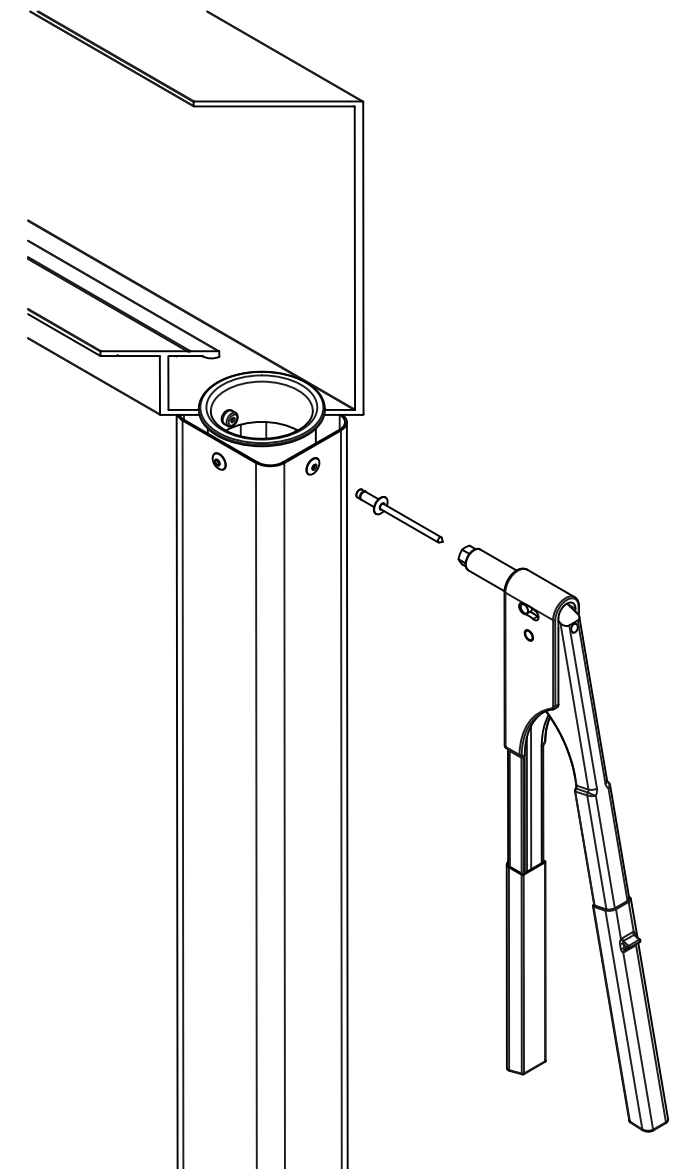
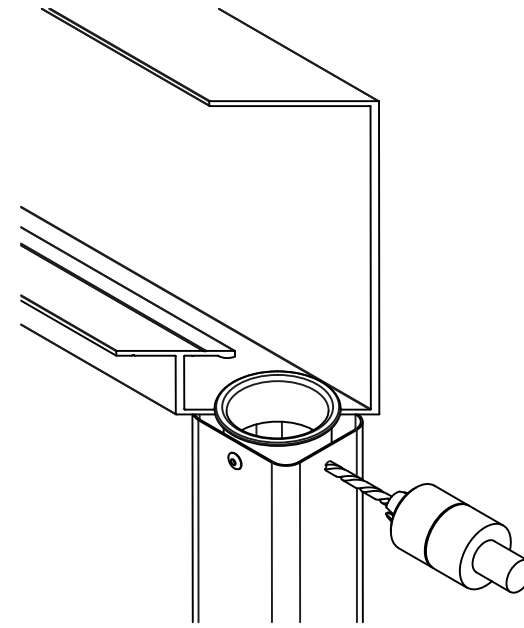
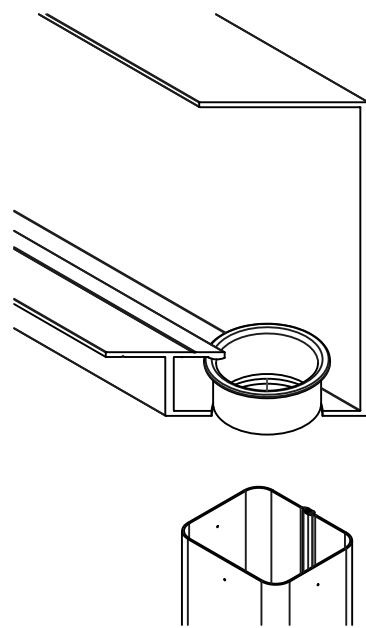
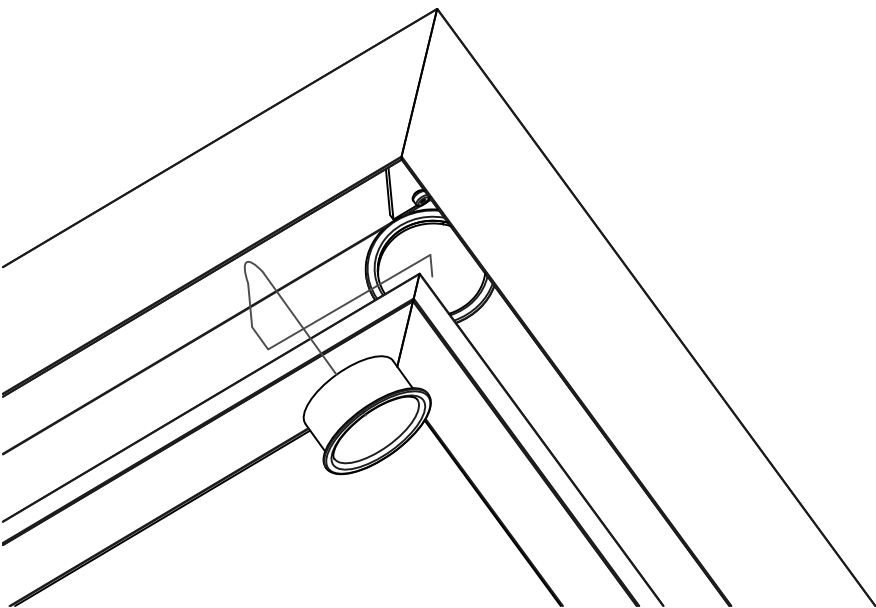
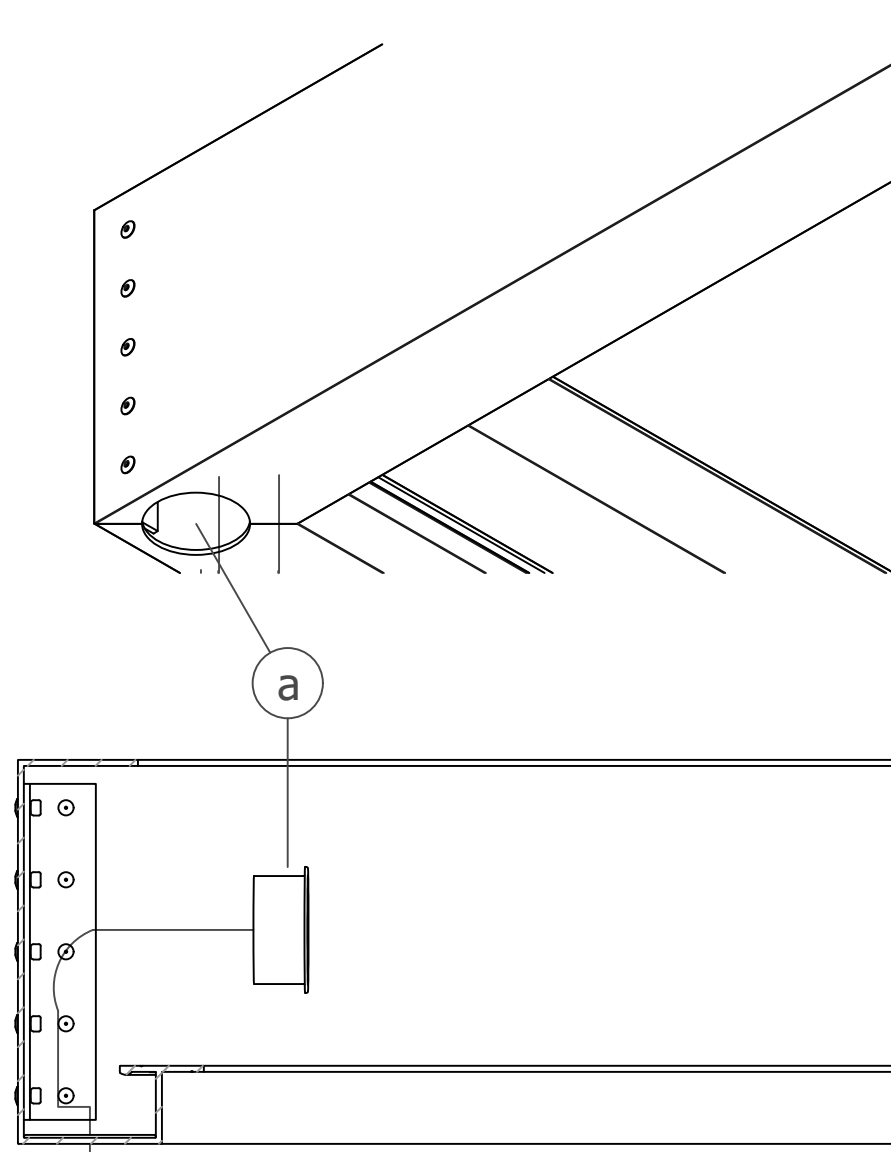
SLD8-23, WMF-2 (ref. FS-03A)



## 7. Flash and Seal

- a) Flashing provided by Mapes. (*Flashing is sent long; notch for length and fascia lip in field*).
- b) After canopy is up, start from one end. Make flashing flush with the back of fascia at wall, notch/cut off the lower leg of flashing so it fits/funnels into the canopy. Put a rivet down the middle part of flashing into the top of rear fascia (one rivet every 12"). If you have multiple overlapping pieces of flashing, then silicone at every joint. Once you finish at the other end of canopy, put thick bead of silicone behind/against the flashing/wall and to also do one at the top edge of the flashing at wall. The point is to prevent seepage or wicking down wall behind canopy and flashing.



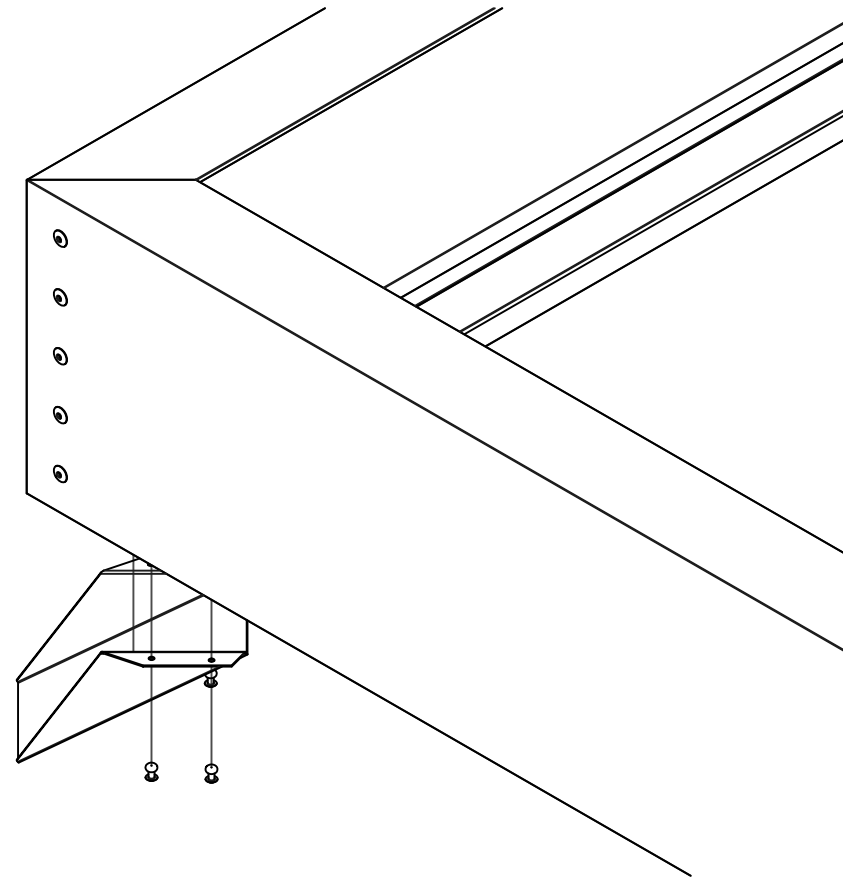
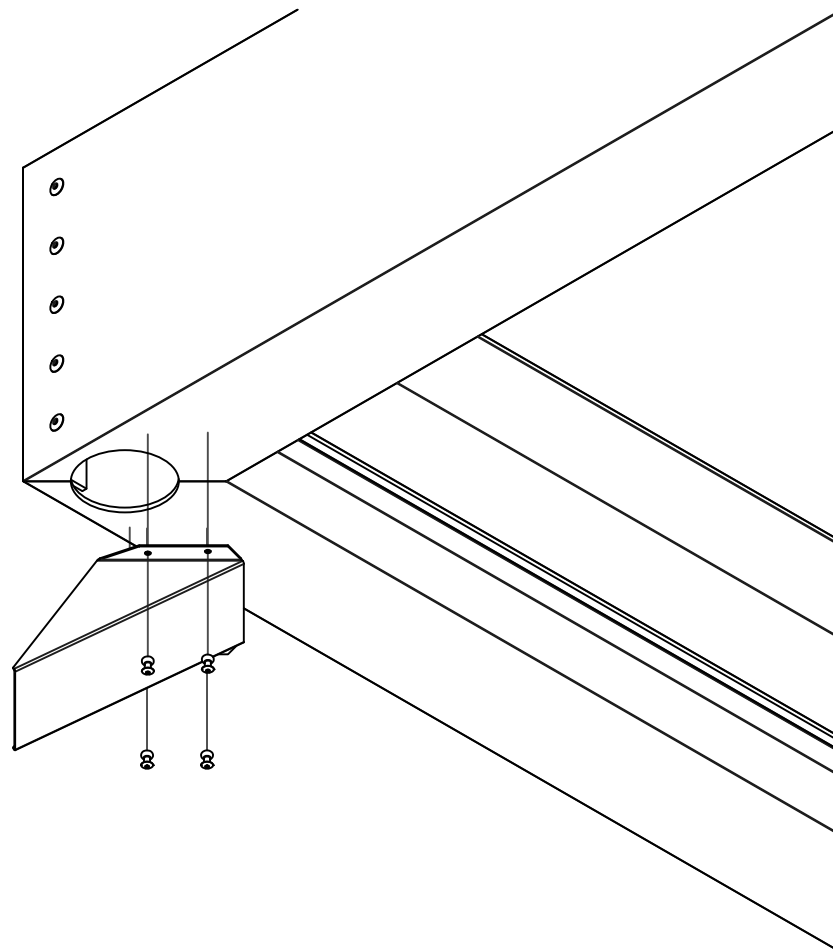


**OPTION, FASCIA DRAIN:**  
**Drill Proper Drainage Holes in Fascia**  
**(and Fascia extension assembly, if**  
**Applicable),**  
**DRAIN STUB:**

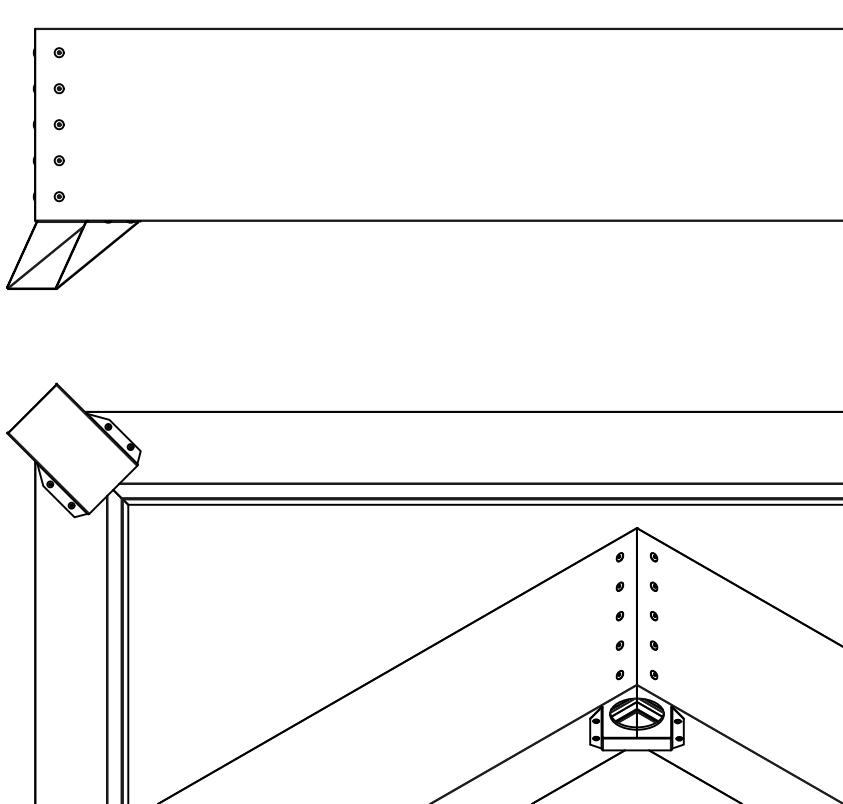
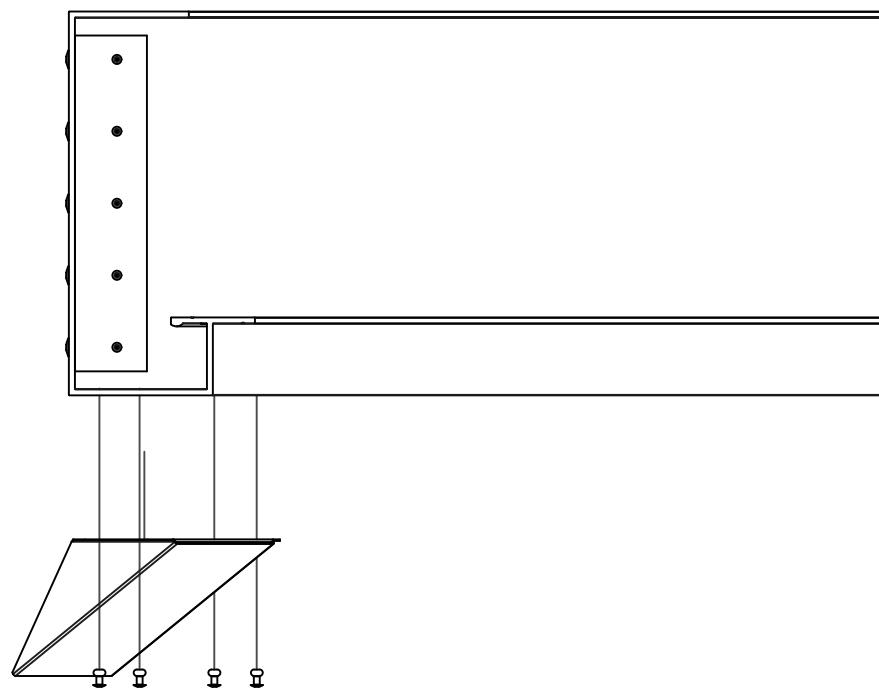
a) Drill  $2 \frac{5}{16}$ " hole in fascia trough at desired drain location and install  $2 \frac{1}{4}$ " pressed aluminum drain stub.

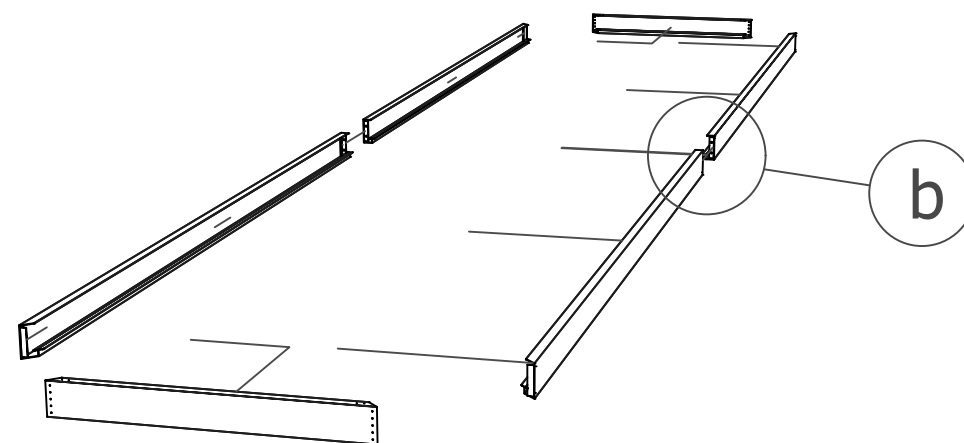
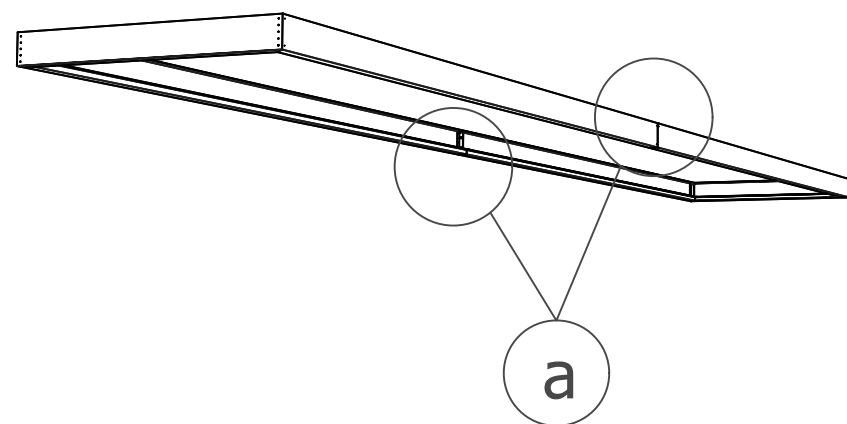
**DOWNSPOUT:**

a) If using downspout, drill  $2 \frac{5}{16}$ " hole in fascia trough for drain stub and attach downspout with downspout elbows and tie backs using  $\frac{3}{16}$ " self-sealing rivets.  
 ( Modifications of drain stub may apply in some instances. )

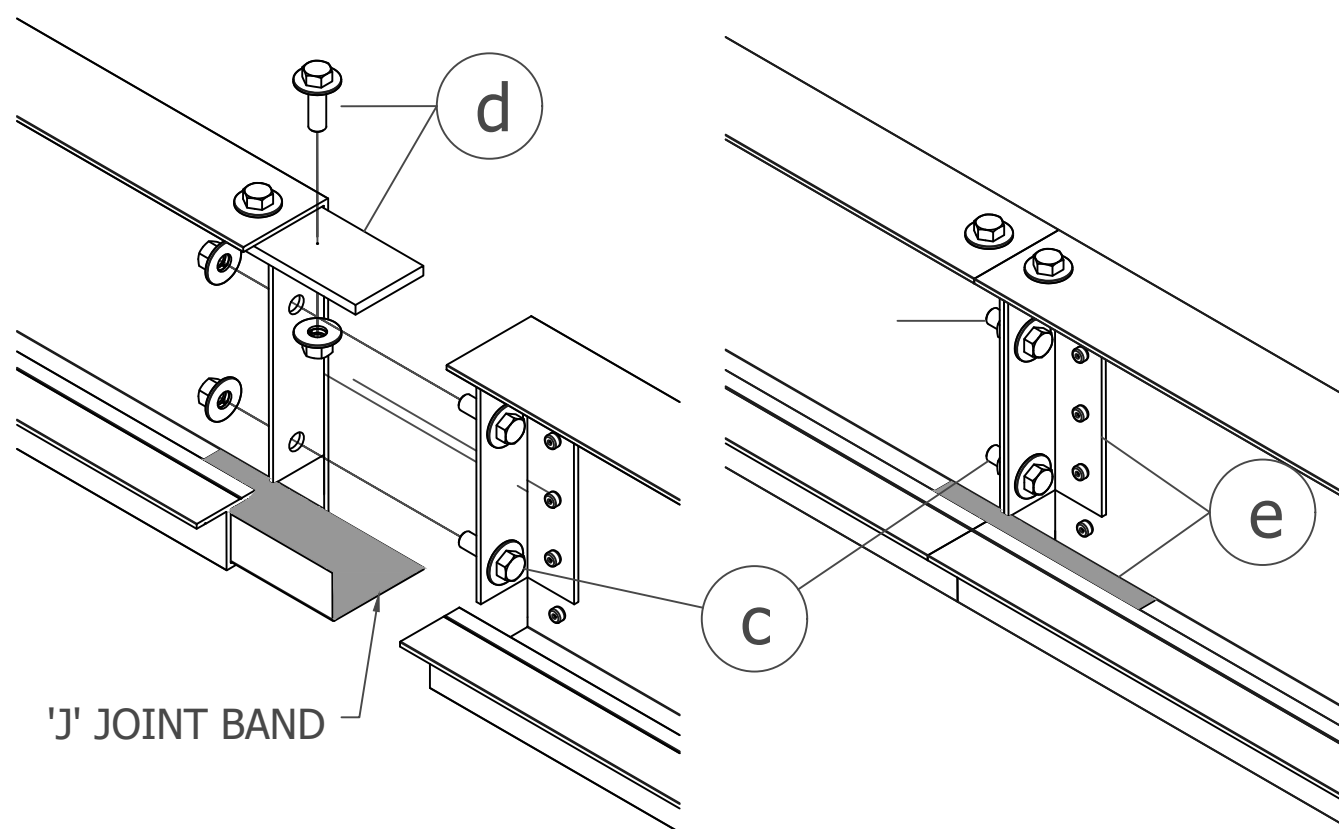


\* **OPTIONAL "DEFLECTOR-STYLE" SCUPPER:**  
 a) If using scuppers, drill 2" hole in fascia trough and use (4) self-sealing rivets to attach.





### TYPICAL COMPONENTS, FASCIA FRAME WITH JOINTS



FASCIA SPLICE ASSEMBLY



### OPTION: Fascia Splice:

**a.** On long canopies, fascia runs may be fabricated in shorter sections, due to length or handling restrictions, and are assembled on site.

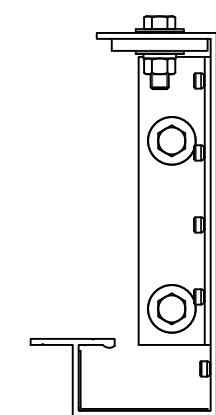
**b.** Fascia pieces are preassembled with 1 1/2" x 1 1/2" angles at splice location.

### At fascia "break" locations:

**c.** Mate fascia pieces using 3/8" machine bolt assemblies to draw joint angles together for a tight splice.

**d.** Clamp and drill 7/16" holes through fascia top lip and 2" x 6" top splice plate and fasten top splice plate underneath top lip of fascia using (2) 3/8" machine bolt assemblies to join fascia pieces.

**e.** Seal in joint band and joint angles at all fascia breaks.



BOTTOM 'DUMMY' RIVET MAY BE NEEDED TO FILL PRE-PUNCHED BOTTOM HOLE (IF PRESENT) IN FASCIA END (SEAL ALL AROUND)

SECTION 'CC'

SLD8-26  
(FSH-05A  
COMMON)