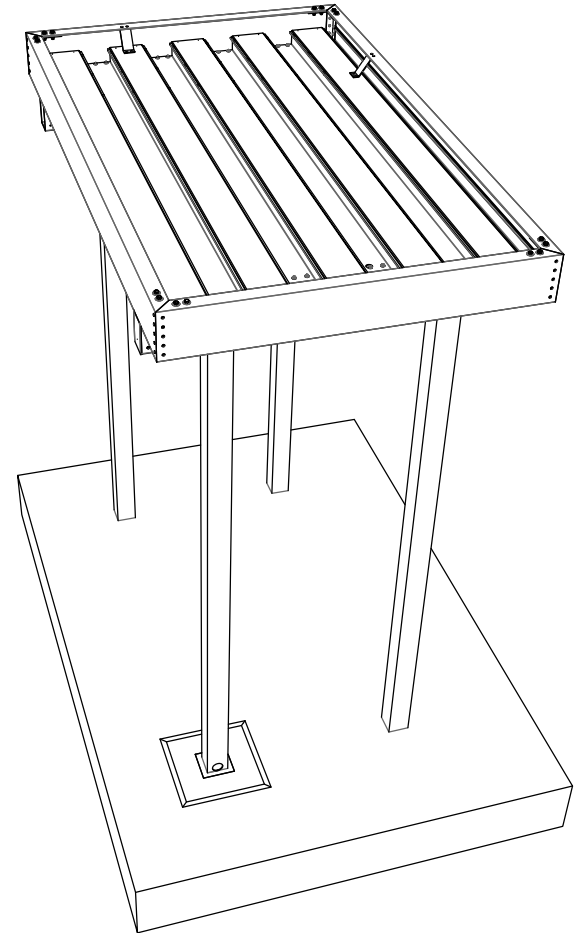
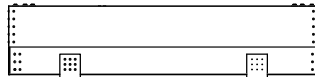
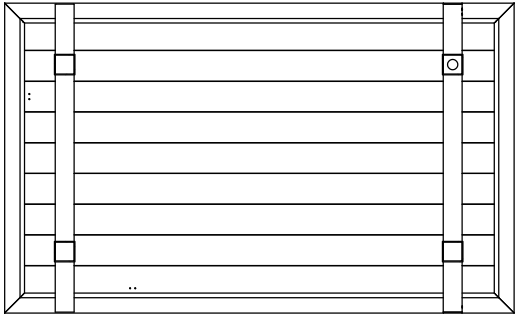


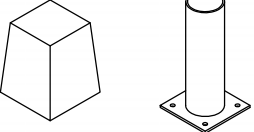
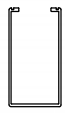

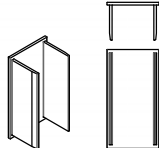
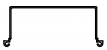

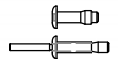
Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)


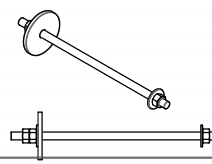

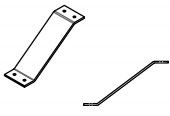





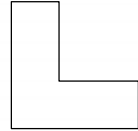


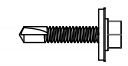

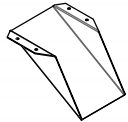




S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:33 PM, mpowers, DWF6 ePlot.pc3

SLD8-01

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

	A1 A2	Footing Blockout or Post Bracket
	B	Beam
	C	Post
	D	Beam End Closure
	E	5" Deck Upper Member
	F	3/8" Carriage Bolt
	G	Structural Rivet

	H	#10-16 Tek Screw
	I	1/2" Threaded Rod Assembly
	K	Deck End Closure
	M	Fascia Support Bracket
	N	8" Fascia
	O	3/16" Pop Rivet
	P	3/8"x1 1/4" Machine Bolt Assembly

	Q	Fascia Corner Support Plate
	R	6"x2 3/4"x.078 Lower Deck
	S	7"x.078 Upper Deck
	T	#12-24 5pt Tek Screw
	U	#8-18 Tek Screw
	V	Drain Scupper
	W	Drain Stub
	X	2 1/2"x3" Downspout
	Y	Flashing
	Z	3"x2 3/4"x.078 Lower Deck

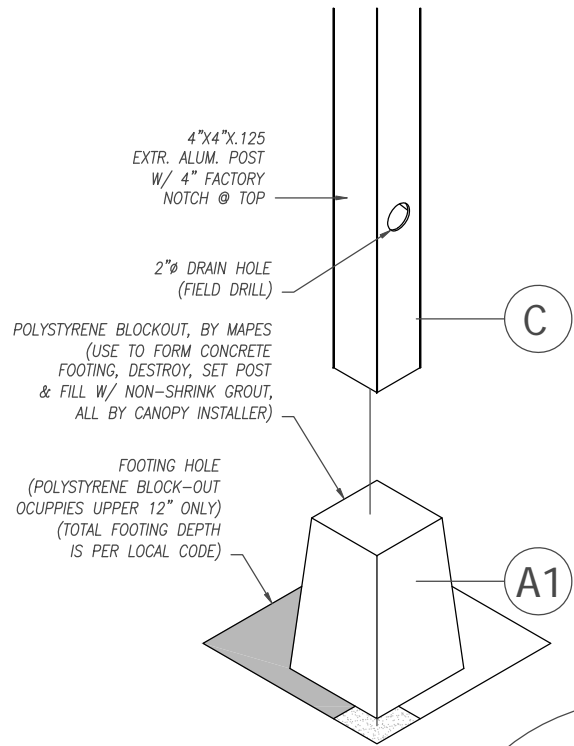
S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:35 PM, mpowers, DWF6 ePlot.pc3

SLD8-02

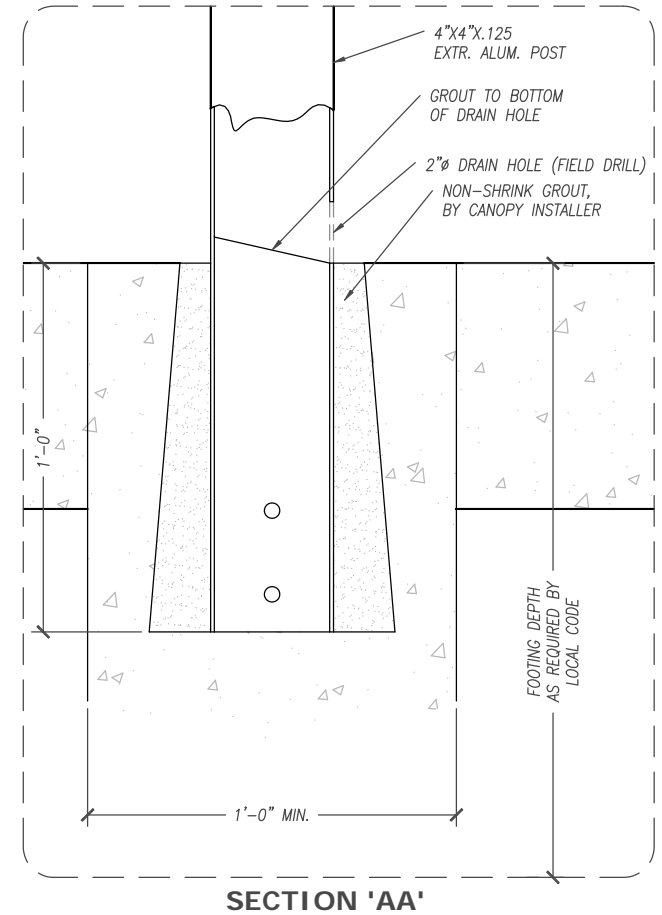
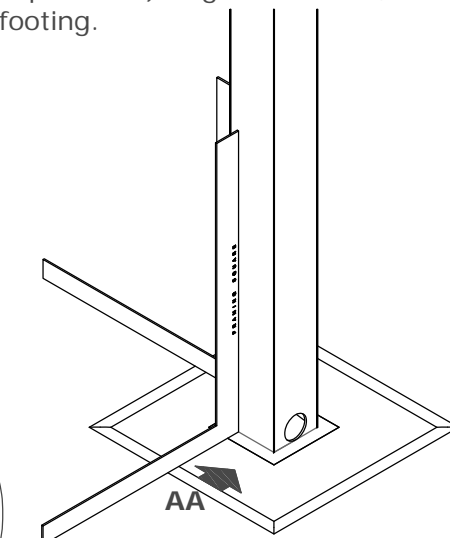
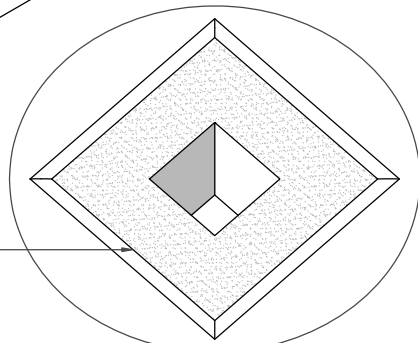
Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)

1. Footing for Post:

- Pour concrete for footings, surrounding expanded polystyrene foam block-out (A1) to form grout well for canopy support post.
- After concrete sets, destroy block-out (usually with an organic solvent).
- Stand canopy post (C) 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.



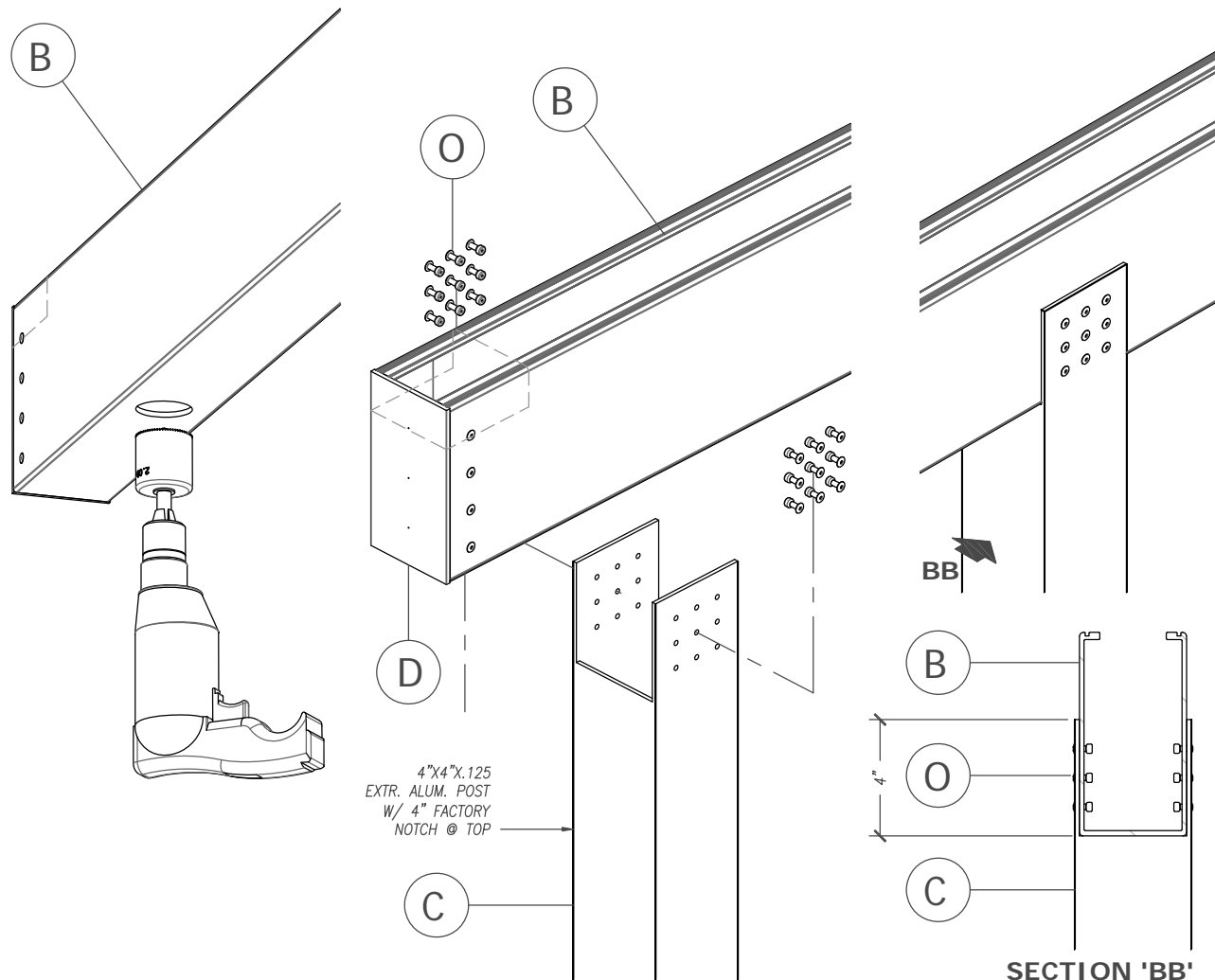
CONCRETE FOOTING POURED
AND POST BLOCKOUT REMOVED,
READY FOR POST INSTALLATION
AND GROUT SURROUND



S:\CAD\Powers IPT Library\ - INSTRUCTION DETAILS - Powers\ - SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:36 PM, mpowers, DWF6 ePlot.pc3

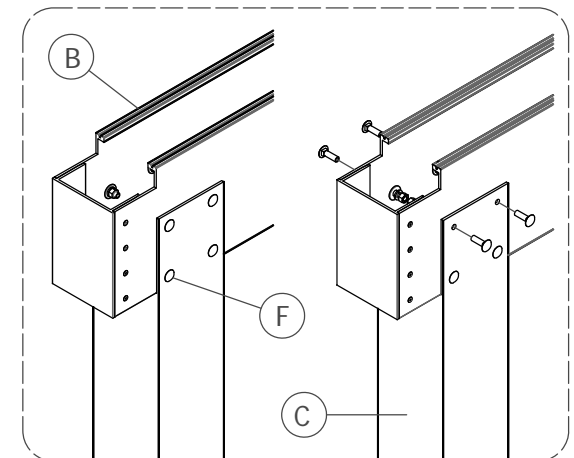
SLD-03
COMMON

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



2. Beam to Post:

- a) 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).
- b) Set beam in factory notch at top of post.
- c) Using pre-drilled hole pattern at top of post, drill for 3/16" pop rivets (9x each side).
- d) NOTE: Beam end closures are factory-installed.
- e) NOTE: Beam end is factory-notched for 8" fascia (where occurs).
- f) **OPTION: 6"x6" post and 6"x10" beam** are assembled using 3/8" carriage bolts instead of rivets (beam end closures, too).



OPTION: 6" beam, 6" post

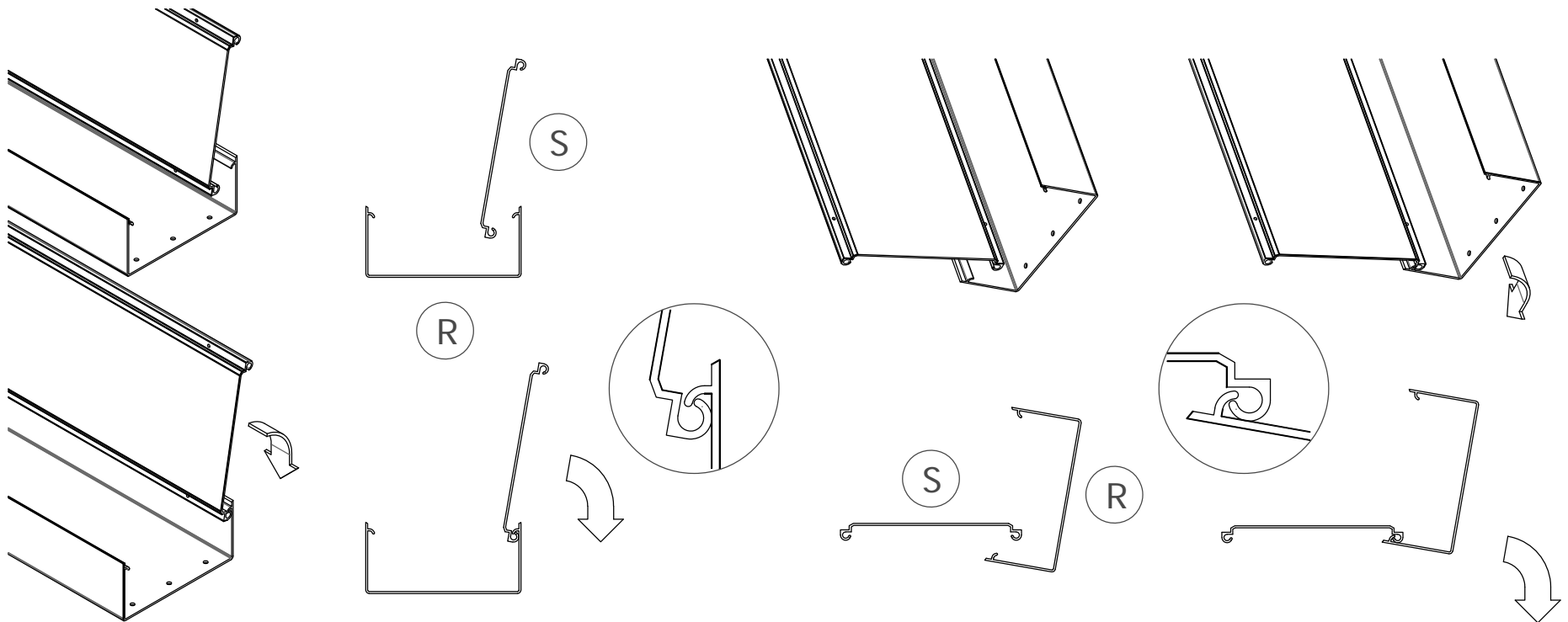
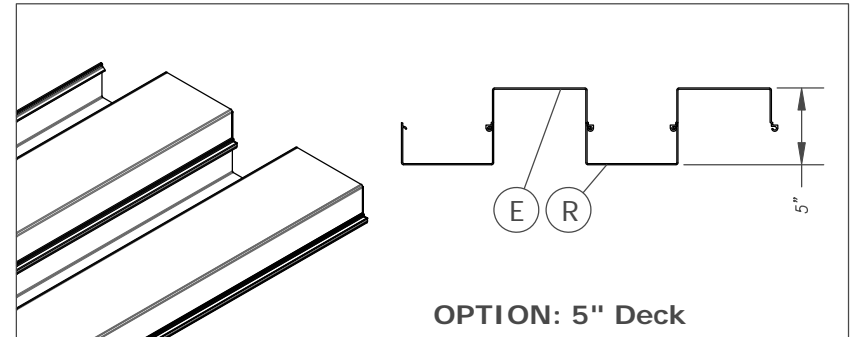
S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:36 PM, mpowers, DWF6 ePlot.pc3

SLD8-04

3. Fasten Decking to Beam

a) Assemble decking incrementally, beginning with lower deck piece (R) or (Z). As each successive piece of interlocking deck is added to the assembly, alternate between upper (S) and lower (R) 6" deck pieces per drawings (and lower 3" deck piece (Z) 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 (S) piece over curved projection of lower deck piece (R) and rotate down.

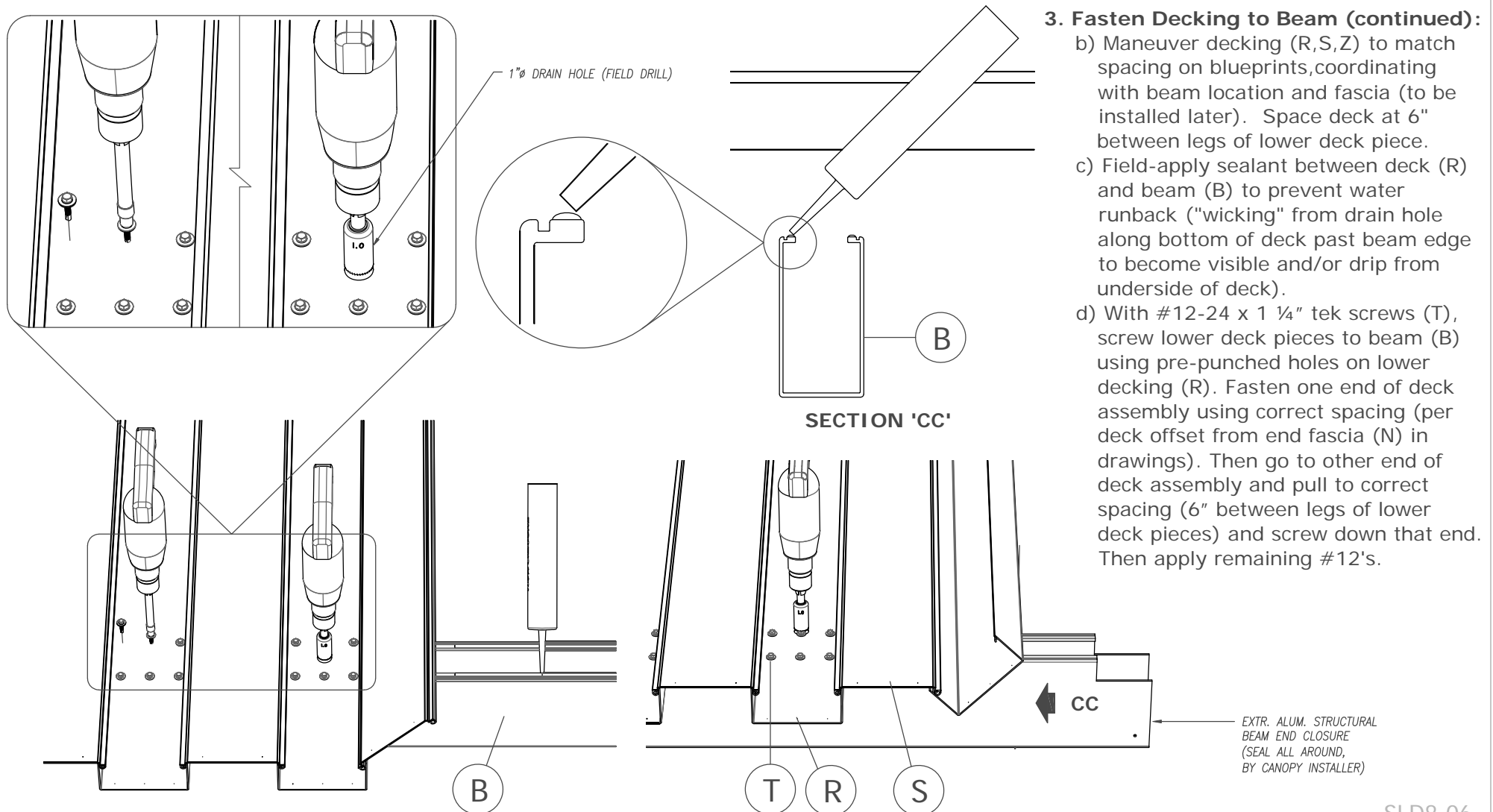
OPTION: 5" interlocking deck similar process, replace (S) with (E).



SLD8-05

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-05,11,14.dwg, 5/7/2014 3:07:37 PM, mpowers, DWF6 ePlot.pc3

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



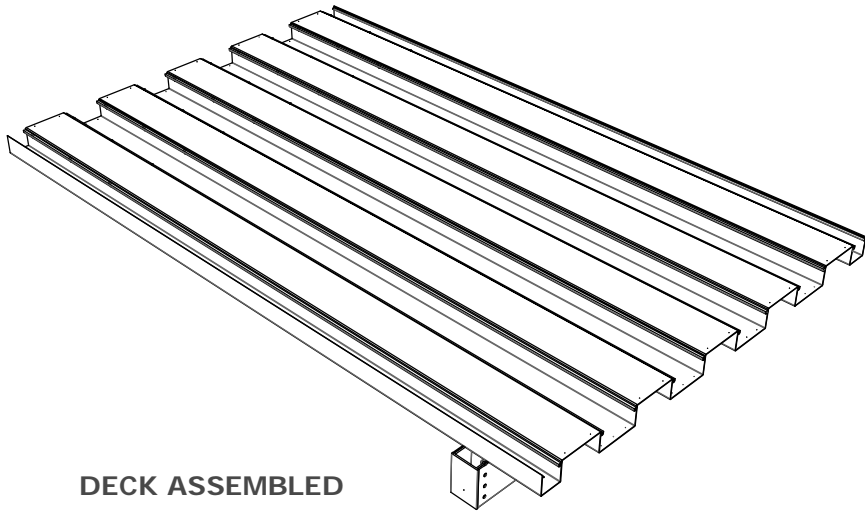
3. Fasten Decking to Beam (continued):

- b) Maneuver decking (R,S,Z) 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 (R) and beam (B) 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 (T), screw lower deck pieces to beam (B) using pre-punched holes on lower decking (R). Fasten one end of deck assembly using correct spacing (per deck offset from end fascia (N) 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.

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:38 PM, mpowers, DWF6 ePlot.pc3

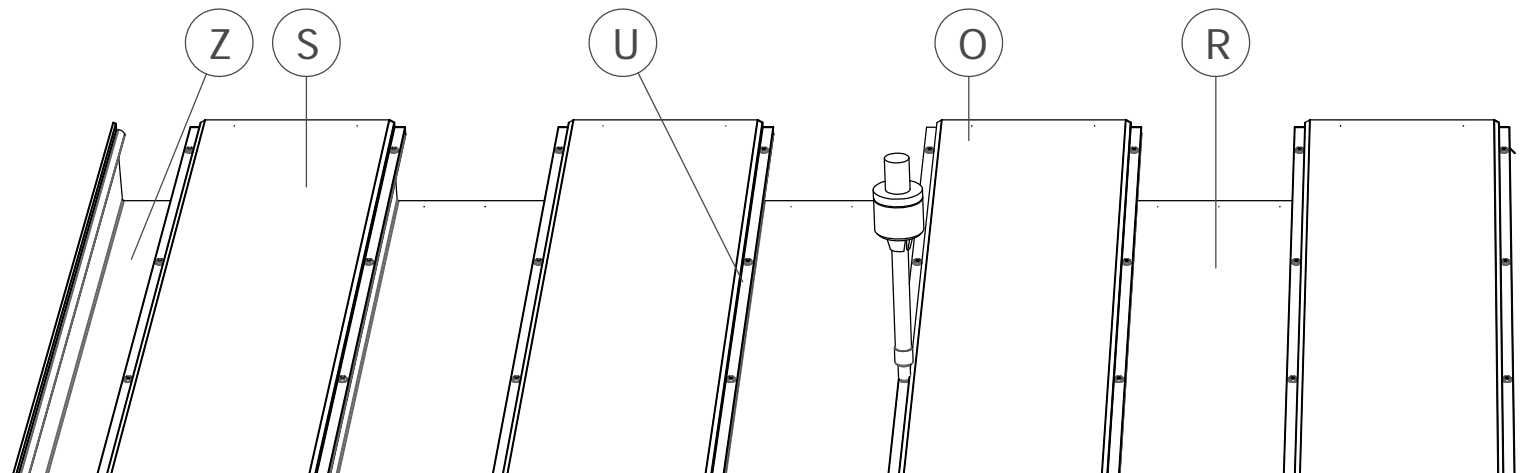
SLD8-06

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

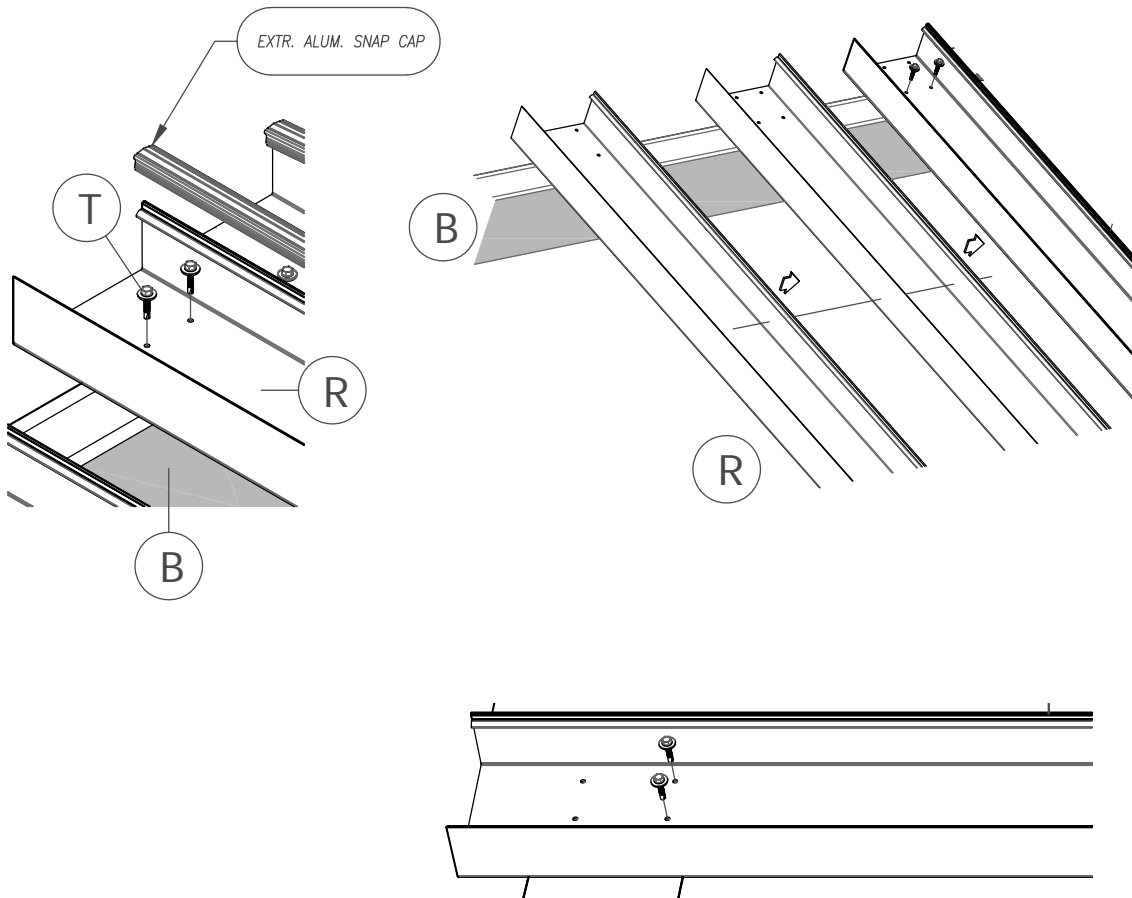


S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:39 PM, mpowers, DWF6 ePlot.pc3

SLD8-07

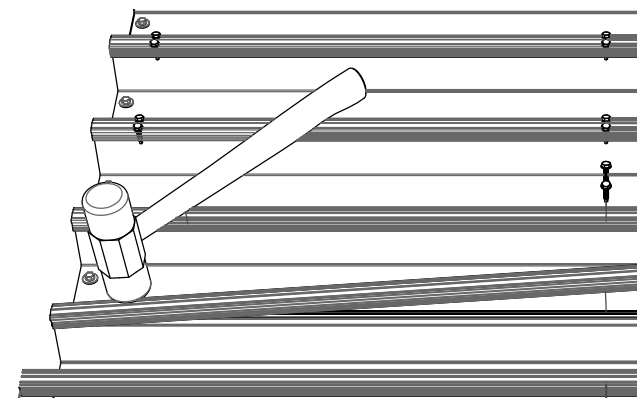
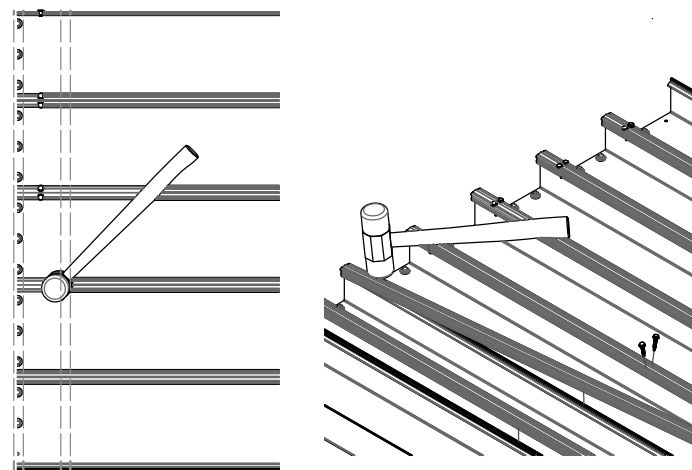
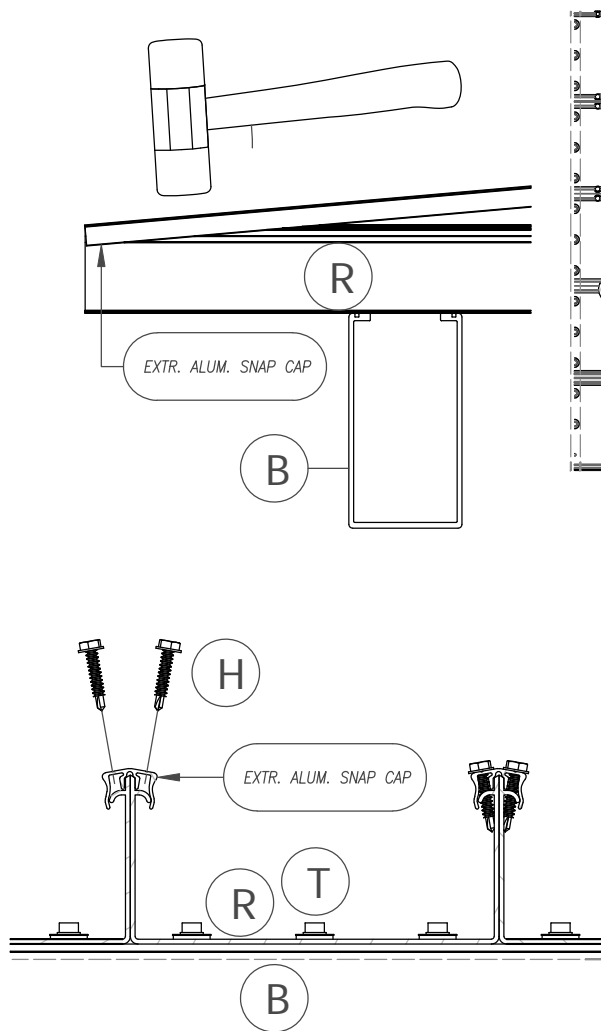
5. OPTION: Flat Soffit Deck

- a) Assemble deck to beam as in step 3b-3d, except **without** upper deck member (S) between lower deck members (R). Instead, "lower" deck members (R) 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.



SLD8-08

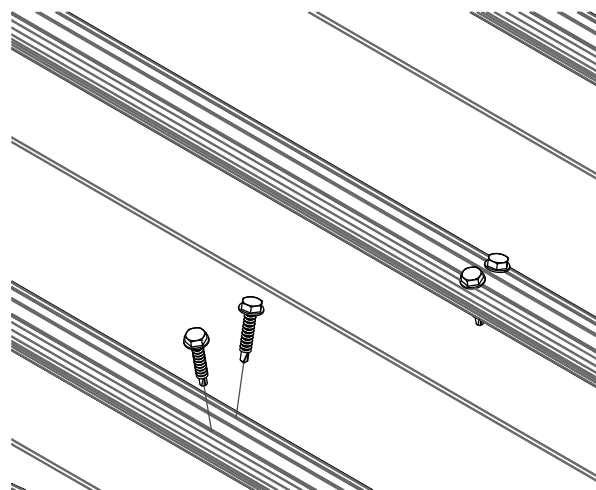
S:\CAD\Powers IPT Library\ - INSTRUCTION DETAILS - Powers\ - SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-08.dwg, 5/7/2014 3:07:39 PM, mpowers, DWF6 ePlot.pc3

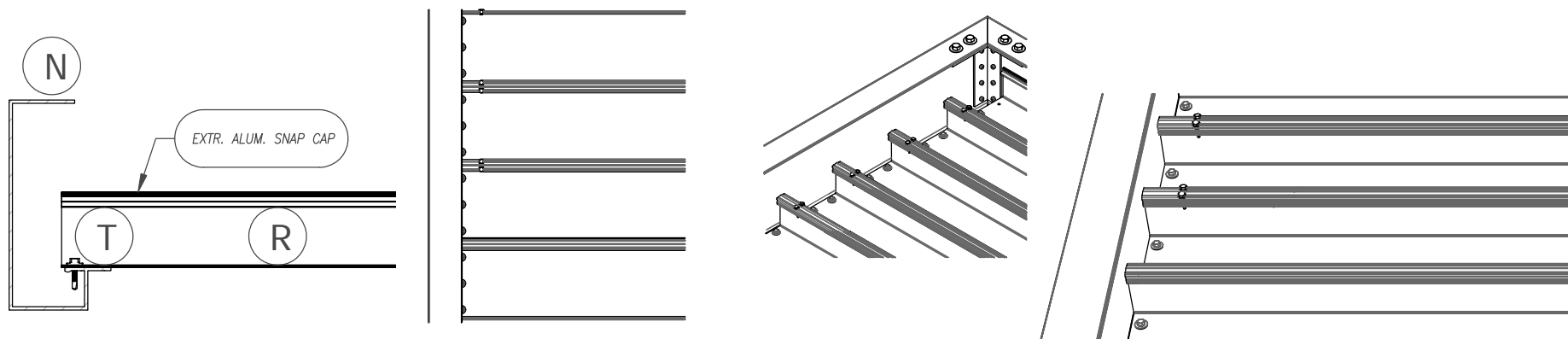


5. OPTION: Flat Soffit Deck, continued:

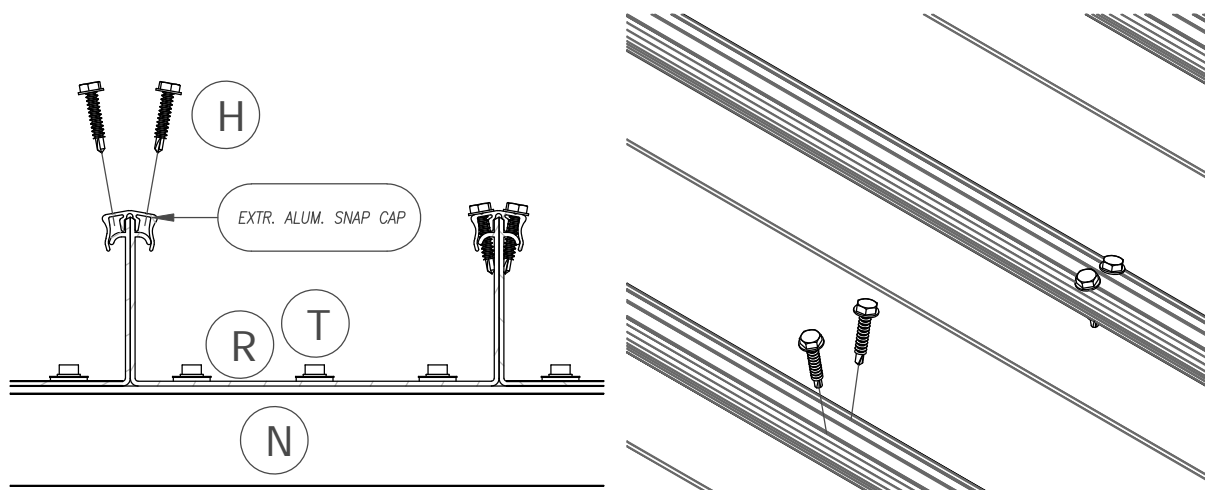
b) Using a rubber mallet, put on SNAP CAP. (Hammer one end on, then work your way down, hammering every foot until you get the whole piece to snap on).

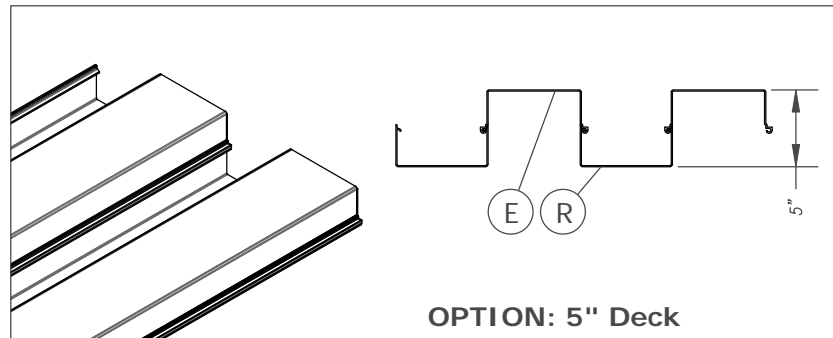
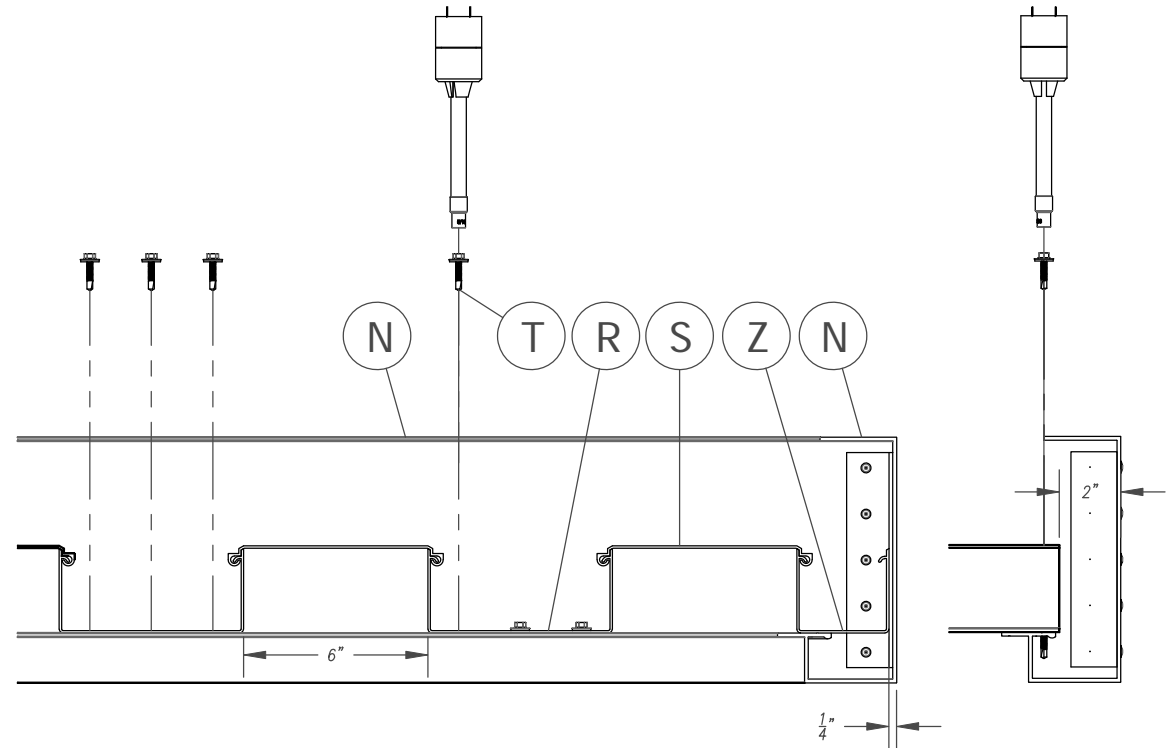
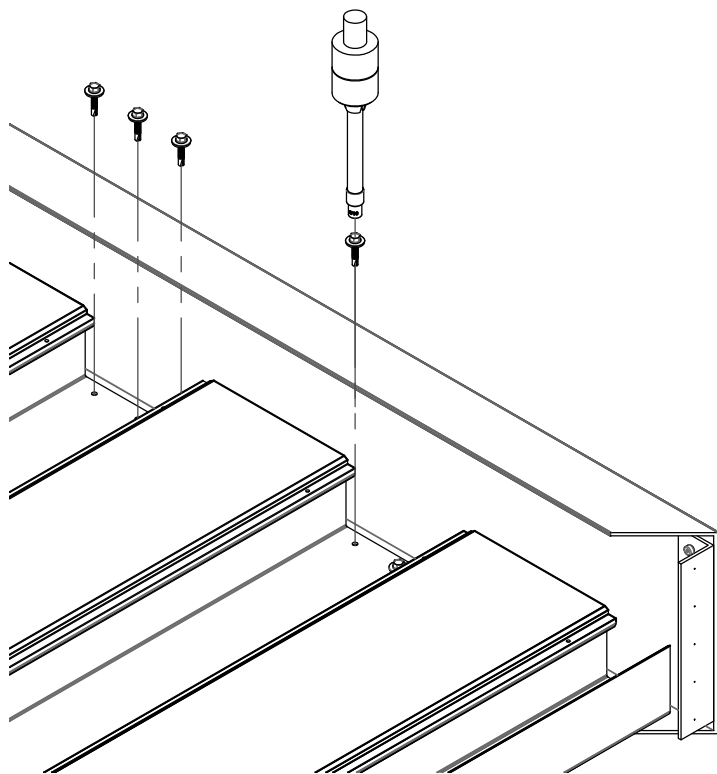
c) Apply #10-16 tek screws (H) to snap cap at 24" on center on both sides of the peak. Pay attention when screwing, so screw grabs both snap cap and deck flare, or snap cap may be pushed up. If it does, back out screw (snap cap will go back down) then screw right back in.





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).



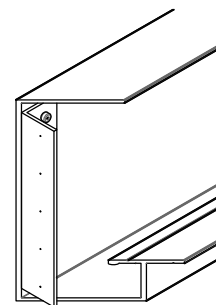
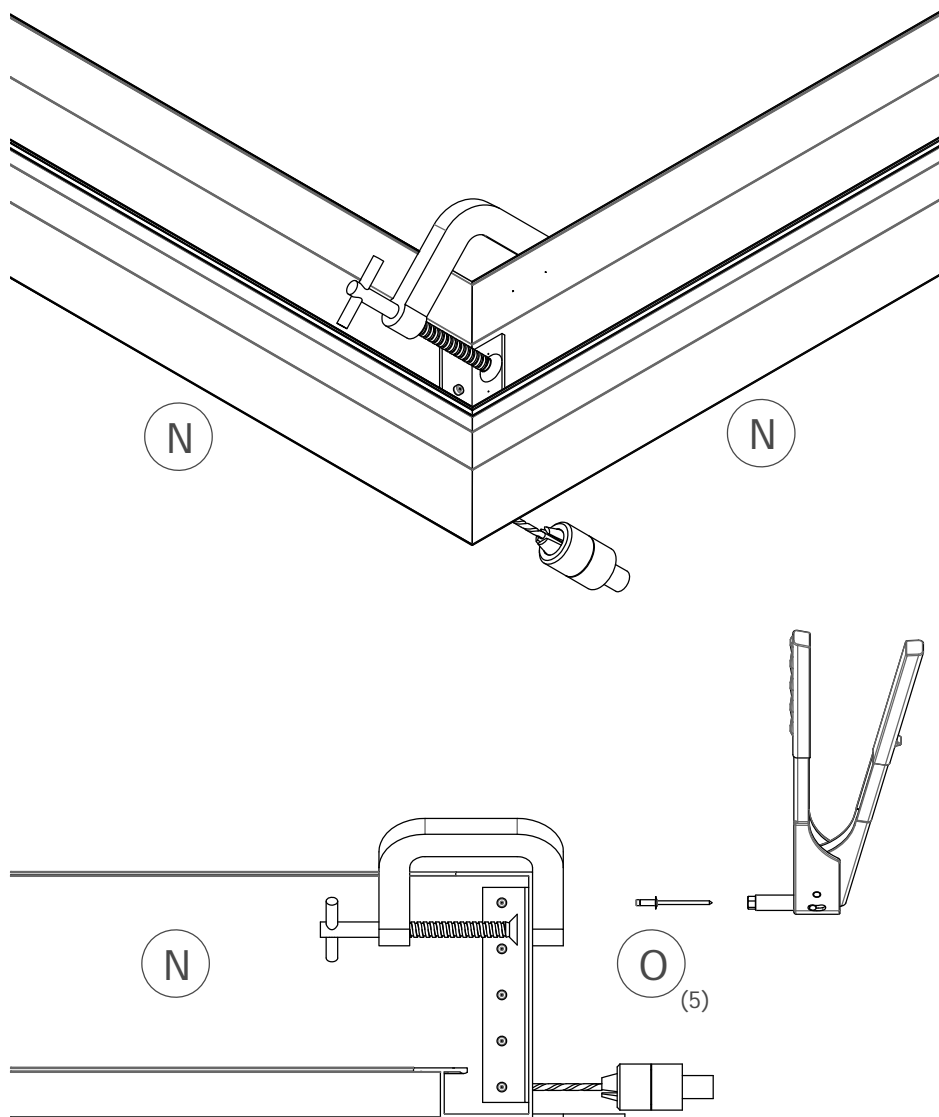


6. Fasten Fascia to Deck (continued):

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

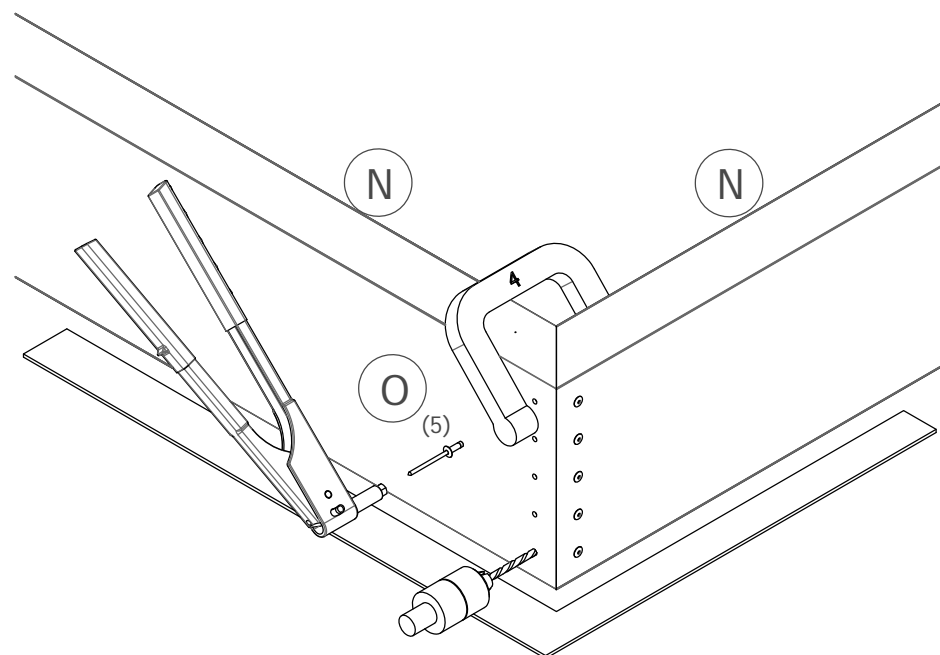
SLD8-11

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-05,11,14.dwg, 5/7/2014 3:07:43 PM, mpowers, DWF6 ePlot.pc3



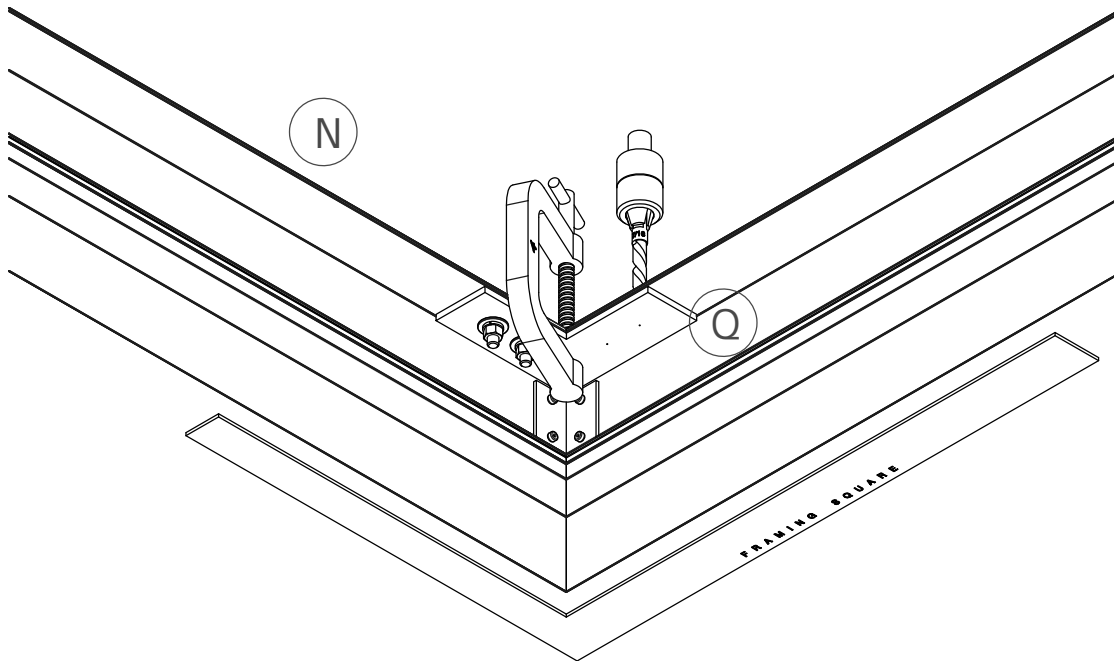
6. Fasten Fascia to Deck (continued):

- c) 1 1/2" x 1 1/2" inside corner angles are already assembled to fascia on 1 side (N).
- d) Clamp together side and wall fascia (N) 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 (O).



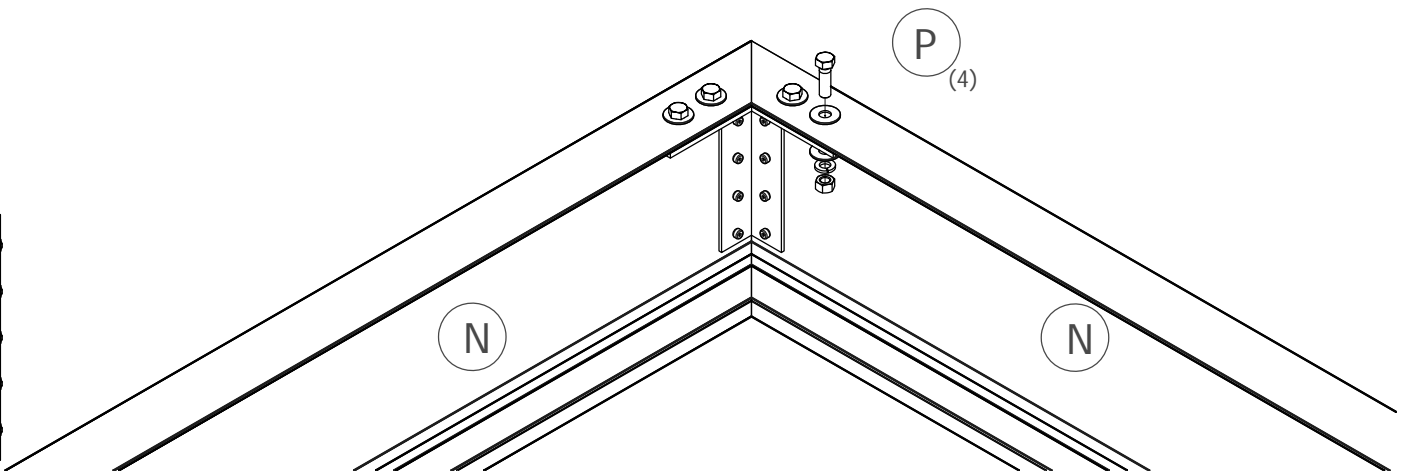
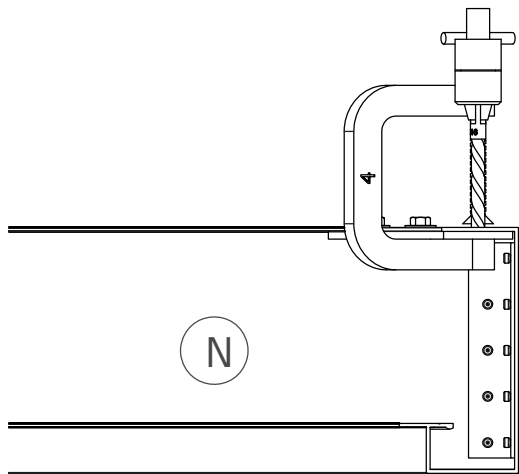
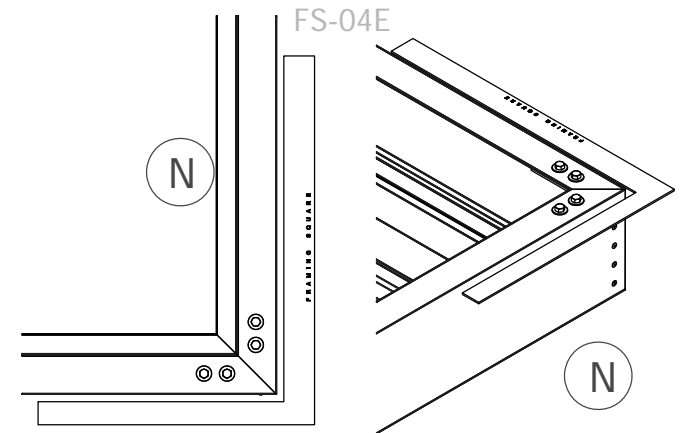
SLD8-12

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~ SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-09,12,15,22-23.dwg, 5/7/2014 3:07:45 PM, mpowers, DWF6 ePlot.pc3



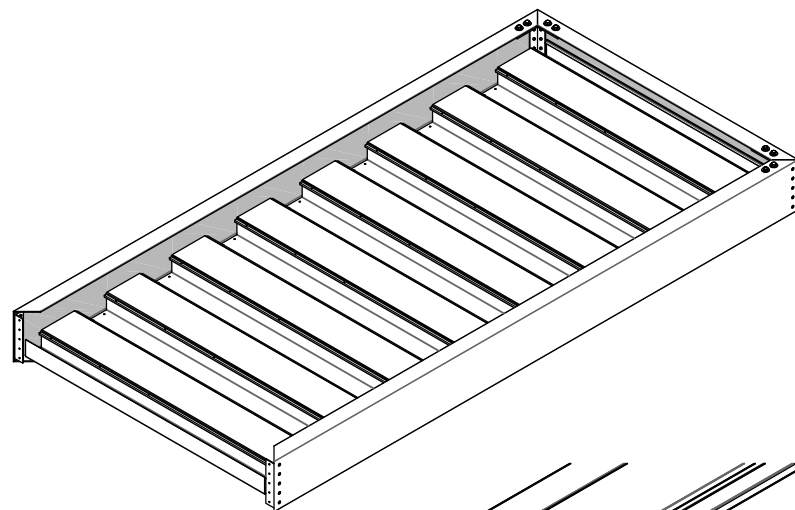
6. Fasten Fascia to Deck (CONTINUED):

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



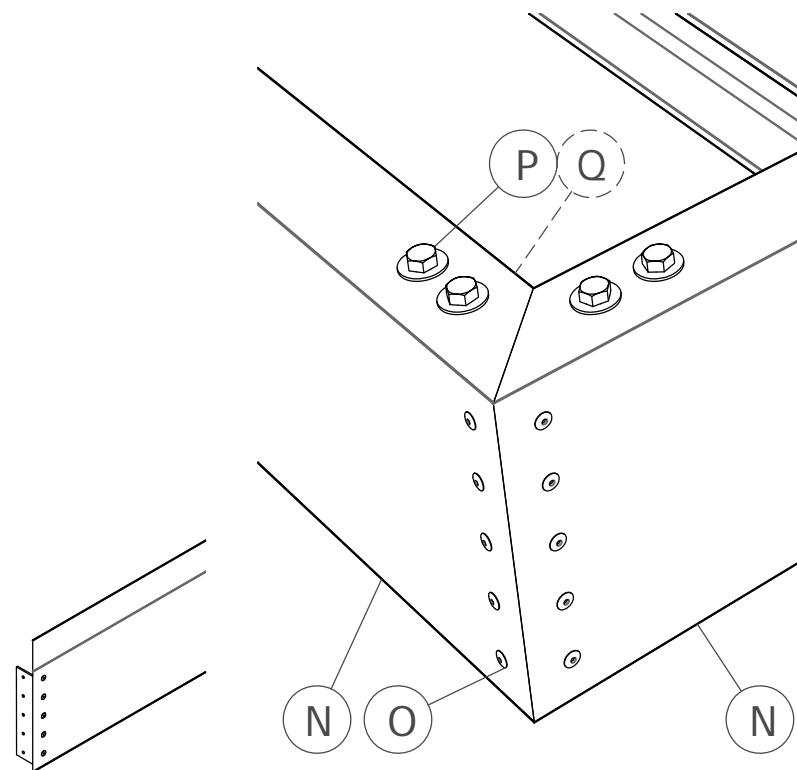
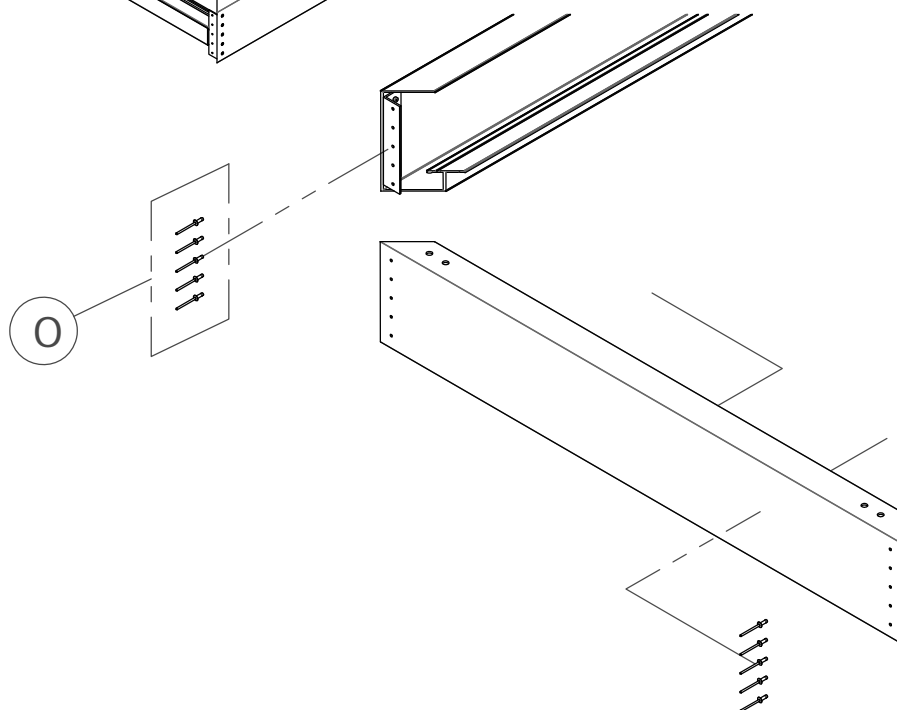
S:\CAD\Powers IPT Library\ - INSTRUCTION DETAILS - Powers\ - SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-13,24-25.dwg, 5/7/2014 3:07:46 PM, mpowers, DWF6 ePlot.pc3

SLD8-13



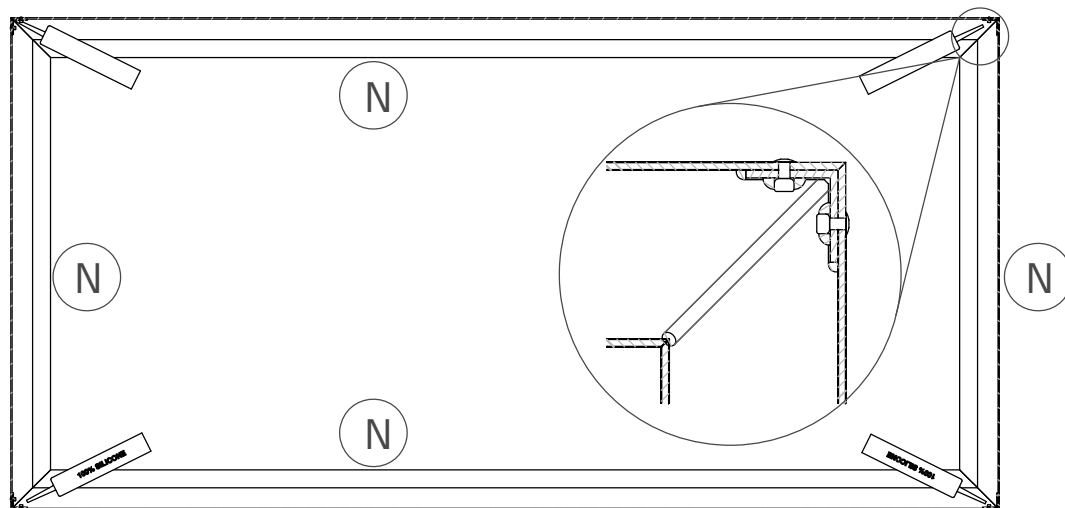
6. Fasten Fascia to Deck (continued):

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



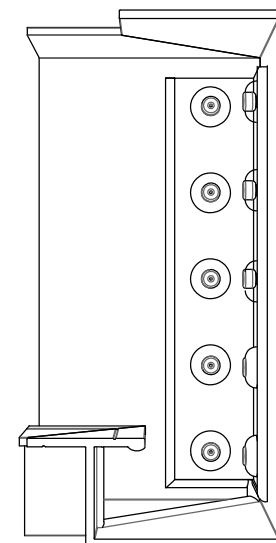
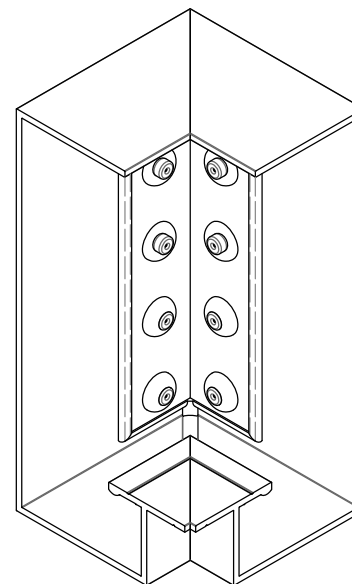
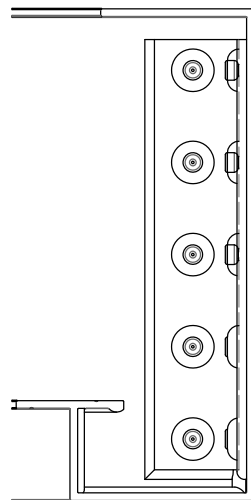
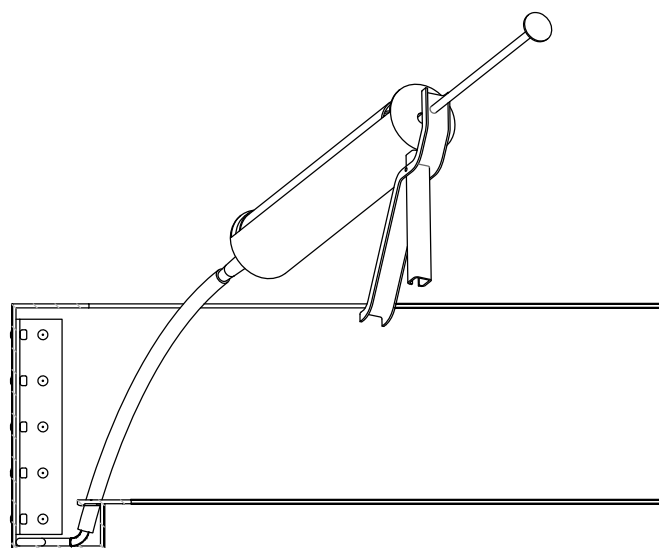
SLD8-14

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-05,11,14.dwg, 5/7/2014 3:07:47 PM, mpowers, DWF6 ePlot.pc3



6. Fasten Fascia to Deck (continued):

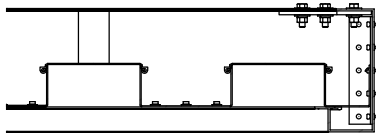
g) Apply continuous sealant either side of the corner angle from top down, across bottom of trough at seam and back up to fascia inside lip. Use flexible hosing to direct silicone into tight corners. Also, seal in joint band at all fascia breaks (if present).



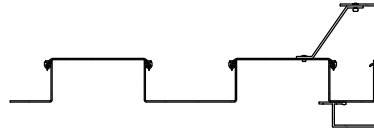
S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-09,12,15,22-23.dwg, 5/7/2014 3:07:49 PM, mpowers, DWF6 ePlot.pc3

SLD8-15

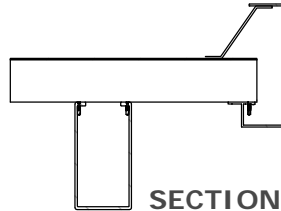
Canopy Assembly Instructions: Post-Supported Super Lumideck (2 3/4" Interlocking deck, 8" Fascia)



SECTION 'EE'



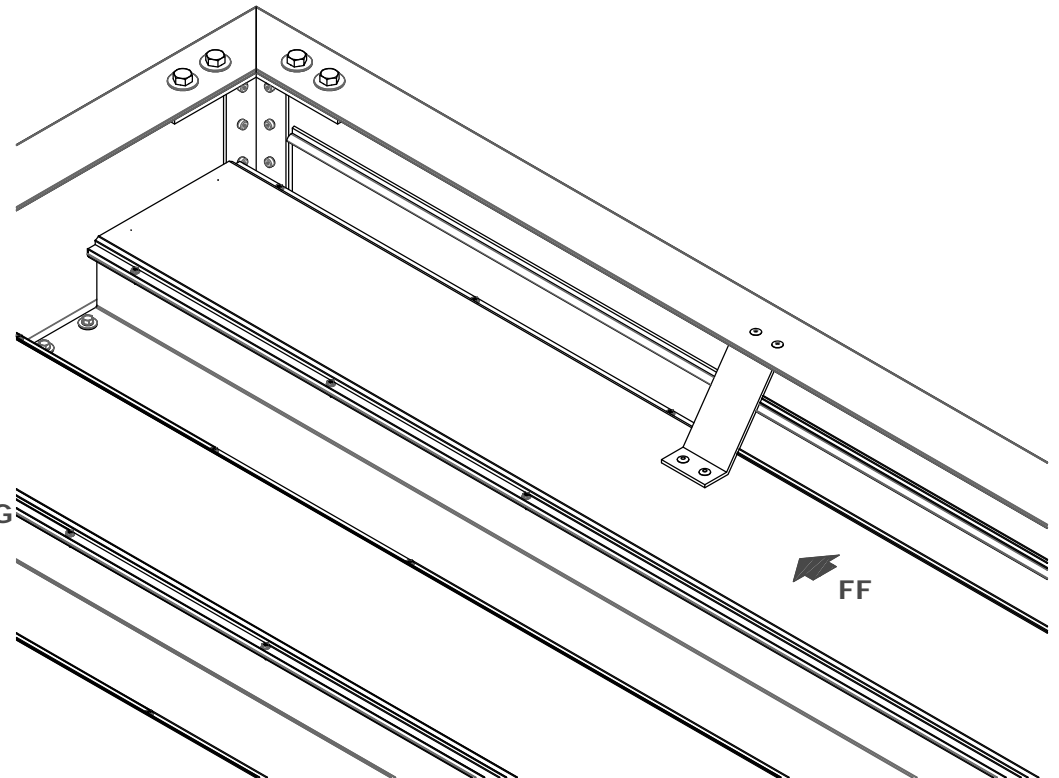
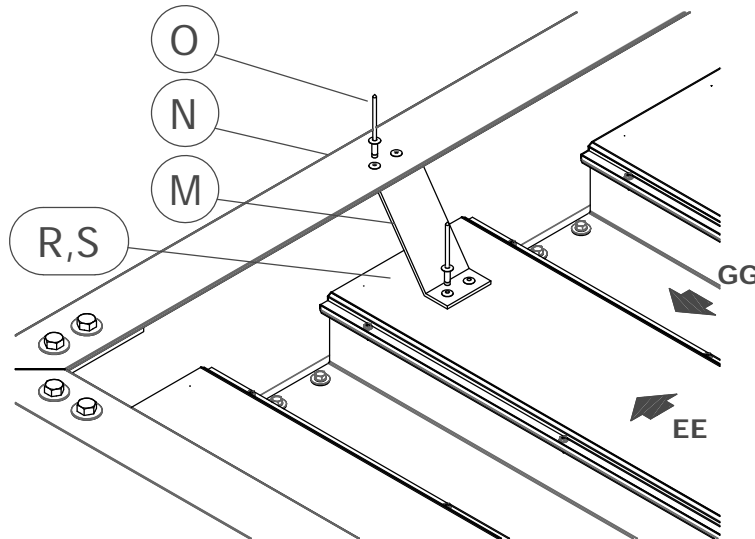
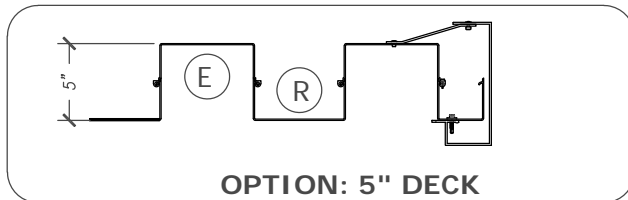
SECTION 'FF'



SECTION 'GG'

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

- h) Attach 8" fascia (N) 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 (S) to top lip of fascia (N). Use self-sealing rivets (O) through deck.



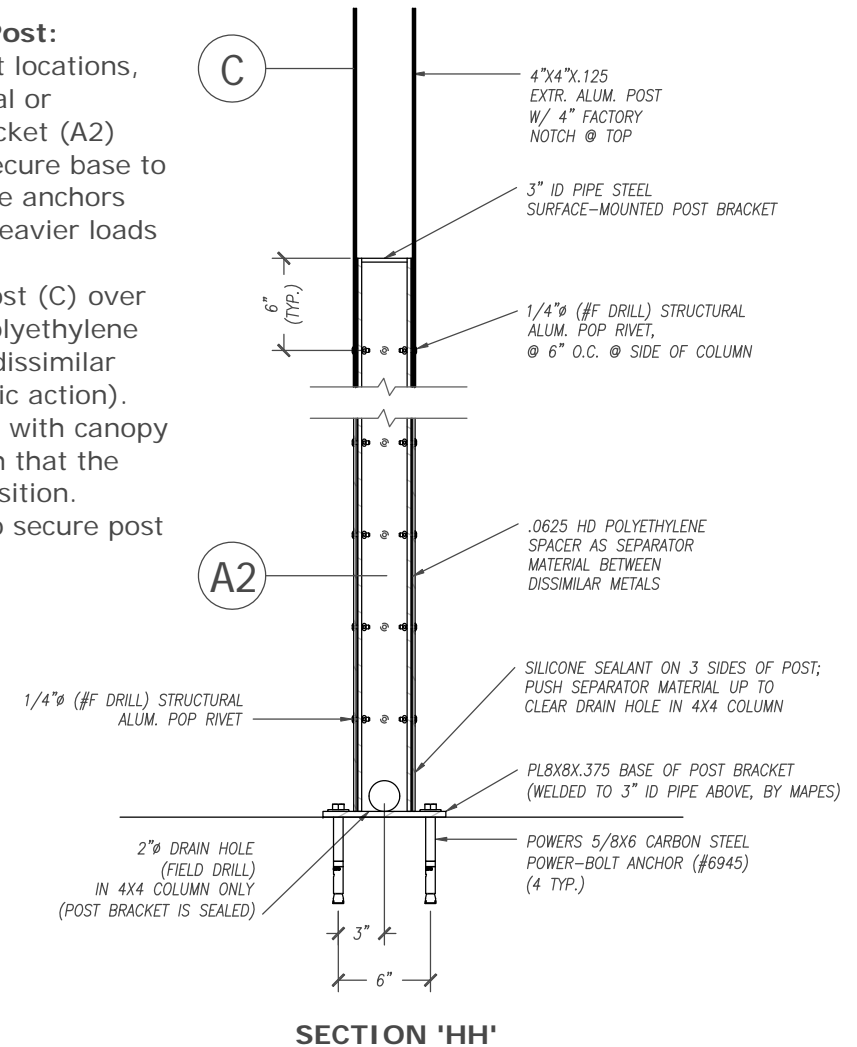
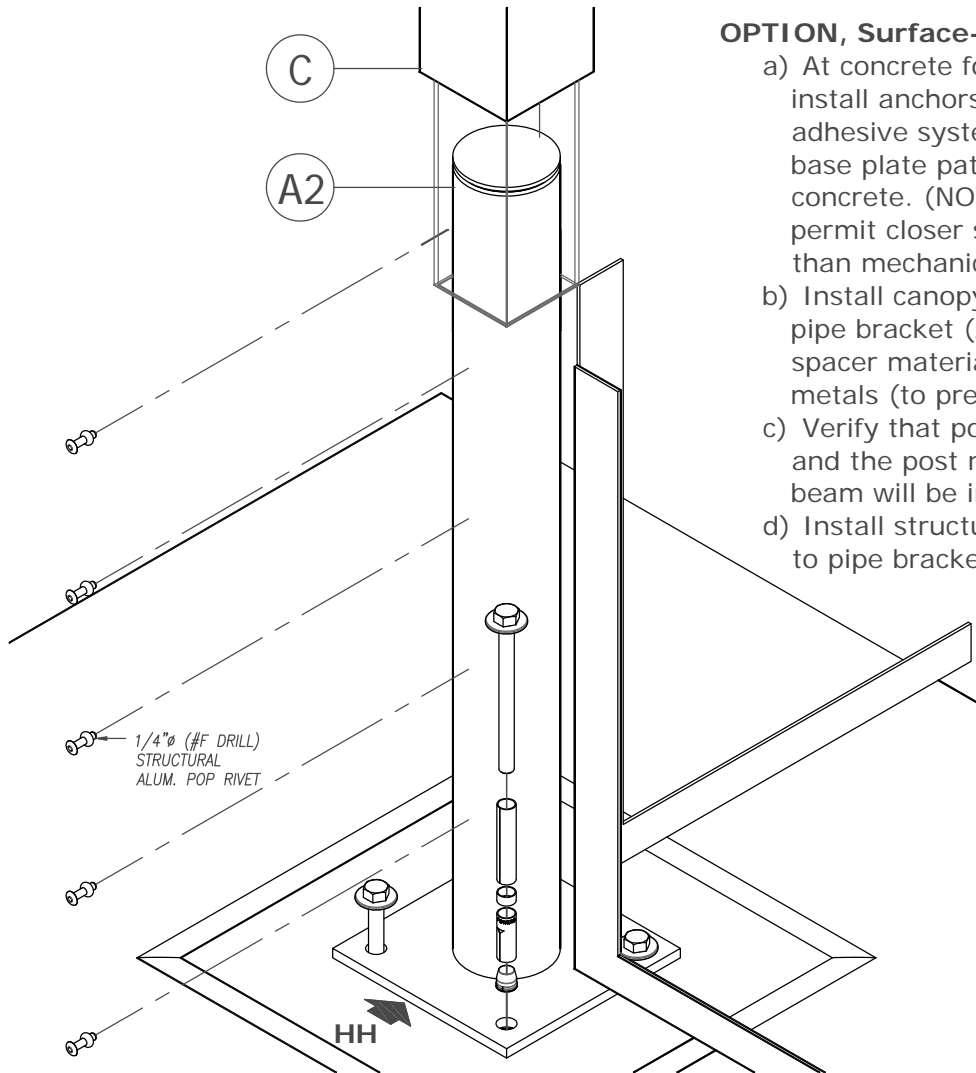
S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:50 PM, mpowers, DWF6 ePlot.pc3

SLD8-16

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

OPTION, Surface-Mounted Post:

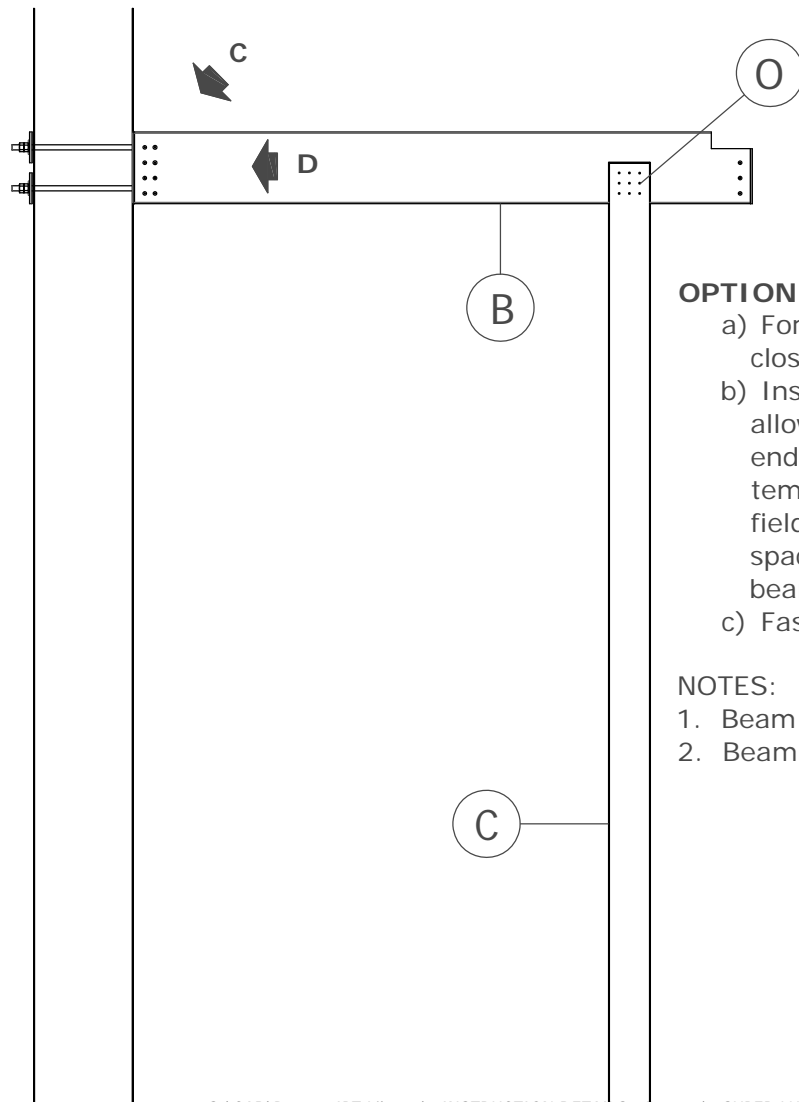
- At concrete footing / post locations, install anchors (mechanical or adhesive system) per bracket (A2) base plate pattern, and secure base to concrete. (NOTE: Adhesive anchors permit closer spacing at heavier loads than mechanical).
- Install canopy support post (C) over pipe bracket (A2), with polyethylene spacer material between dissimilar metals (to prevent galvanic action).
- Verify that post is square with canopy and the post notch is such that the beam will be in correct position.
- Install structural rivets to secure post to pipe bracket.



S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:51 PM, mpowers, DWF6 ePlot.pc3

SLD-11
COMMON

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

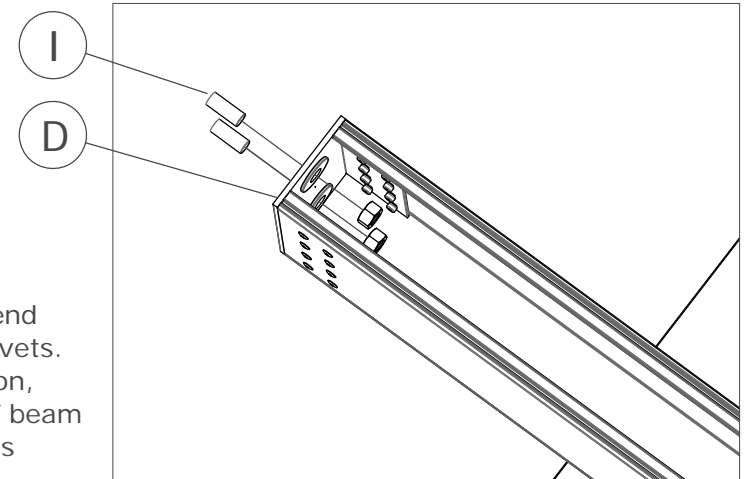


OPTION, Wall-Mounted Beam:

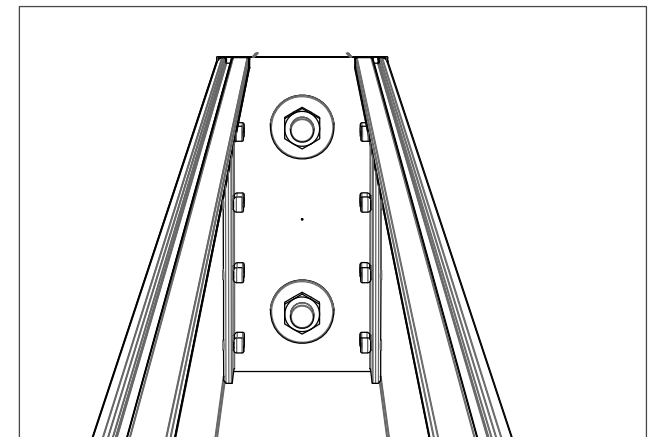
- a) For wall-mount application, beam end closure (D) will have 2x rows of 4 rivets.
- b) Install wall bolts (I) at beam location, allowing 1" minimum protrusion. (If beam end closure has factory holes, use as template for wall bolts; otherwise, field-drill beam end closure per wall bolt spacing, keeping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

NOTES:

1. Beam end is factory-notched for 8" fascia.
2. Beam end closures are factory-installed.



VIEW 'C'

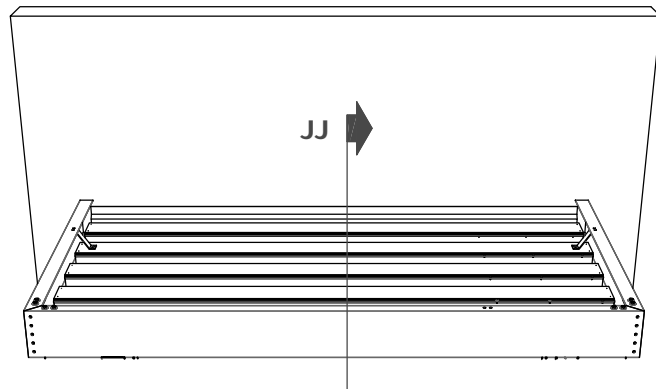


VIEW 'D'

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:51 PM, mpowers, DWF6 ePlot.pc3

SLD8-18

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



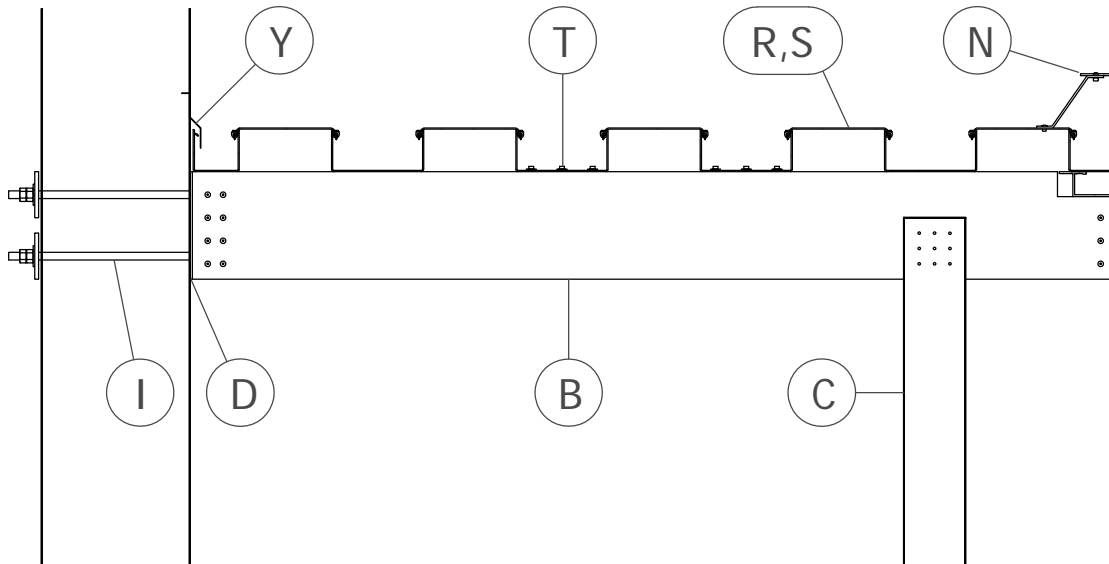
FLASHING BY MAPES
(100% SILICONE SEALANT
(COLOR TO MATCH CANOPY
FINISH) & COUNTER-
FLASHING BY OTHERS)

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

2 3/4"x6"x.078 EXTR. ALUM.
INTERLOCKING DECKING

8" EXTR. ALUM. (.125) FASCIA (MIN-73)
(CLOSED & SEALED AT WALL)

1"x4"x1"x.125X2"
EXTR. ALUM. FASCIA
SUPPORT BRACKET



SECTION 'JJ'

OPTION, Wall-Mounted Beam (continued):

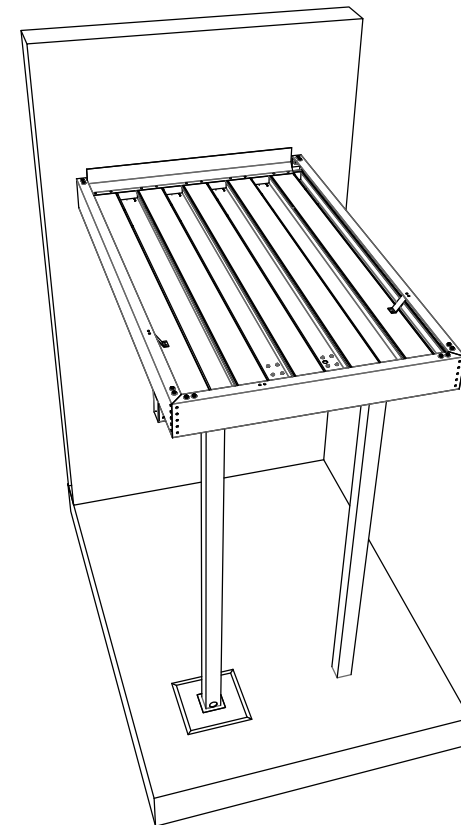
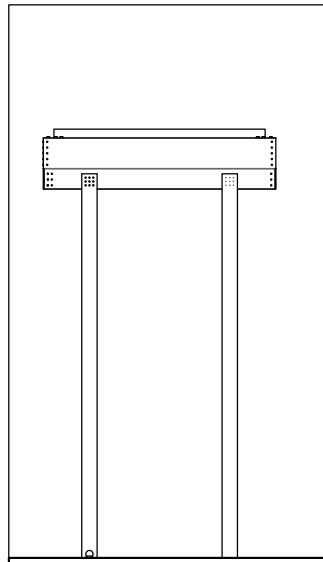
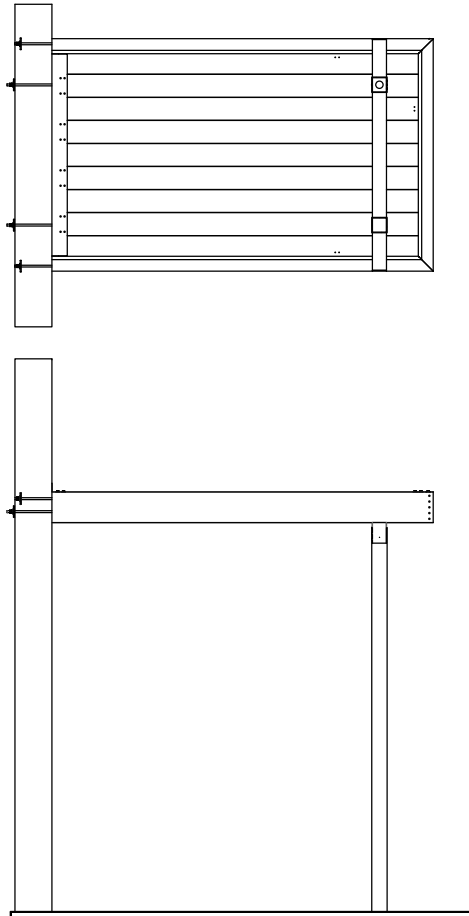
- d) When canopy beams (B) are perpendicular to wall, decking will be parallel to wall.
- e) Install deck (R,S) as per deck assembly in steps 3, 4, 5.
- f) Install flashing (Y) over leg of deck piece (R/Z) at wall.
- g) Sealant by installer.

S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:52 PM, mpowers, DWF6 ePlot.pc3

SLD8-19

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

OPTION: Wall-Mounted Deck

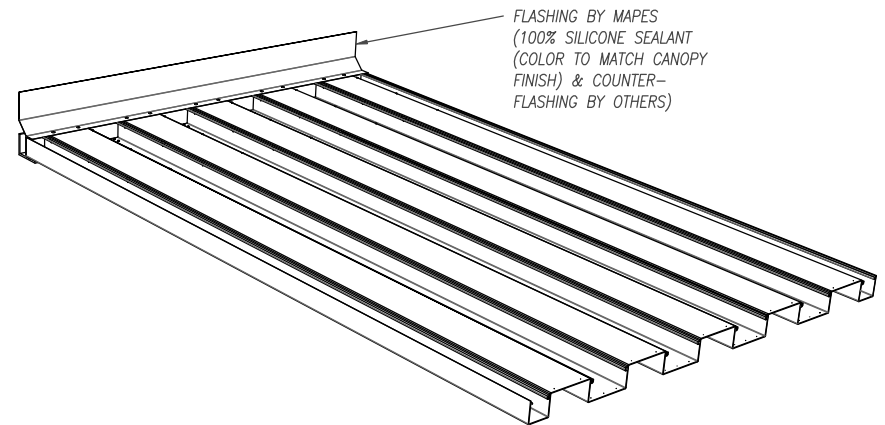
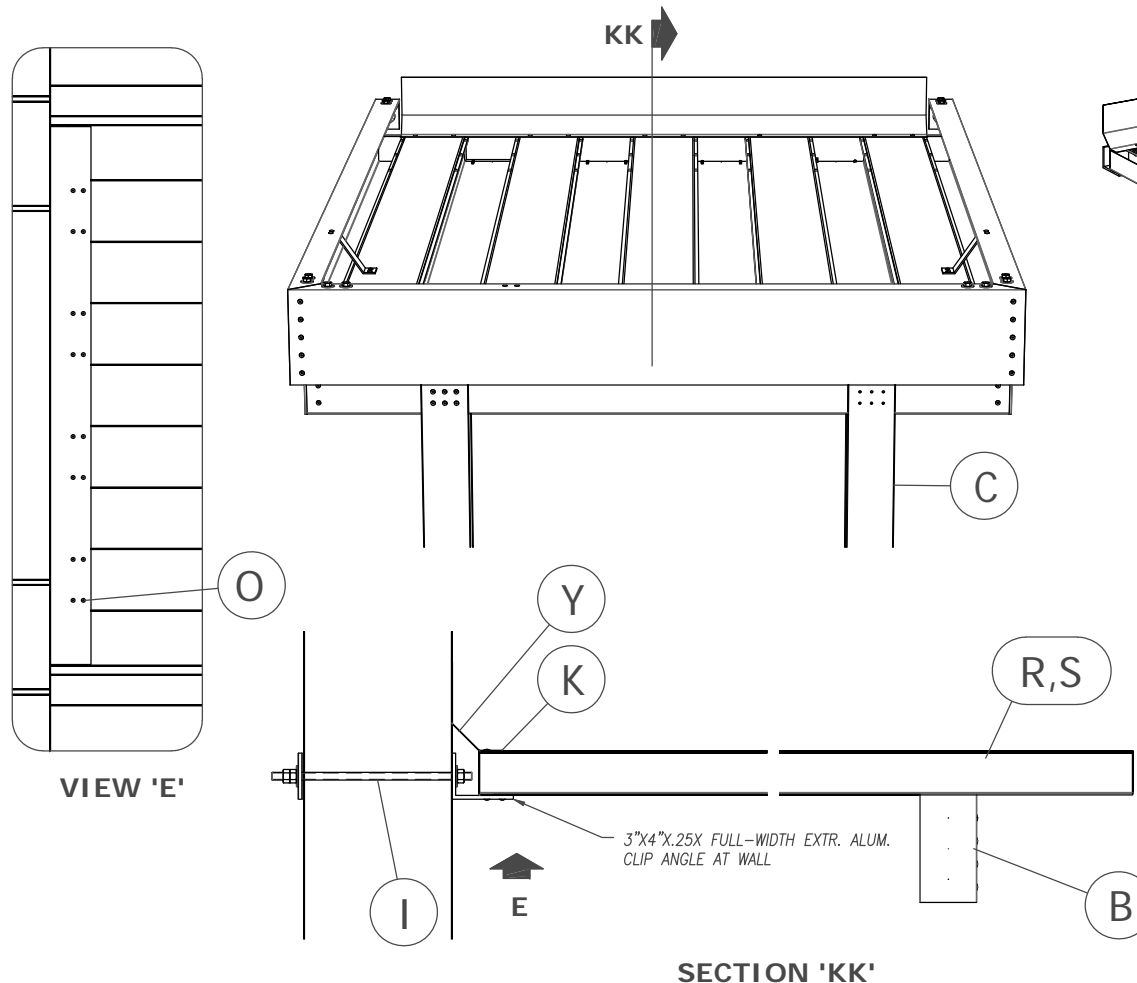


S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:53 PM, mpowers, DWF6 ePlot.pc3

SLD8-20

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

OPTION: Wall-Mounted Deck



FLASHING BY MAPES
(100% SILICONE SEALANT
(COLOR TO MATCH CANOPY
FINISH) & COUNTER-
FLASHING BY OTHERS)

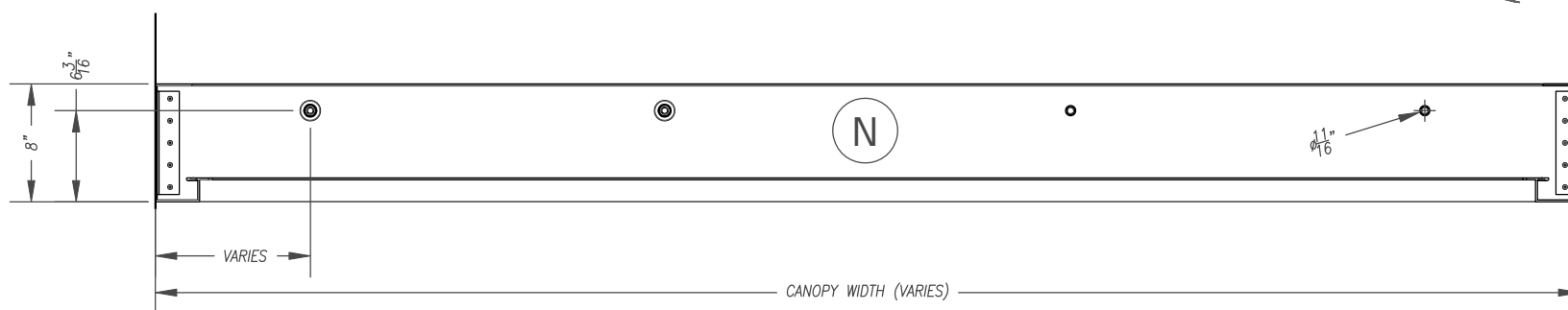
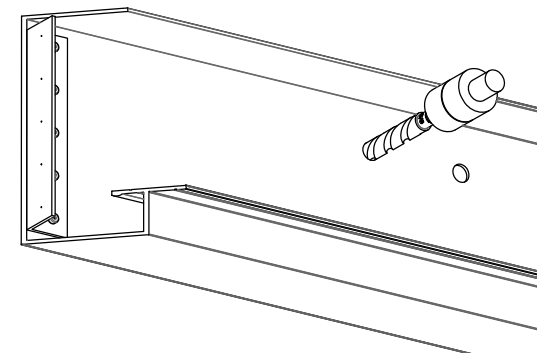
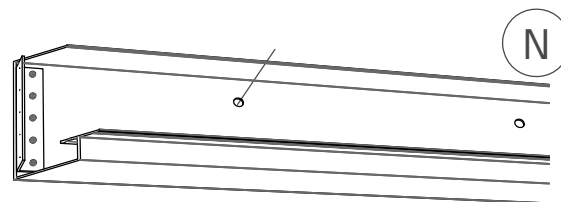
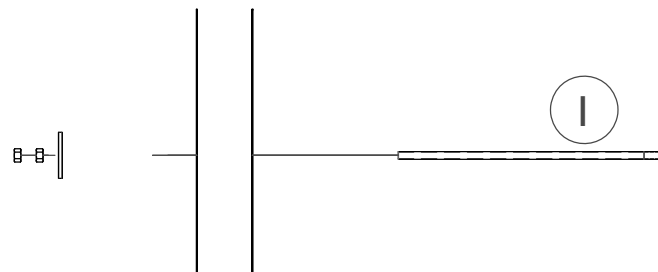
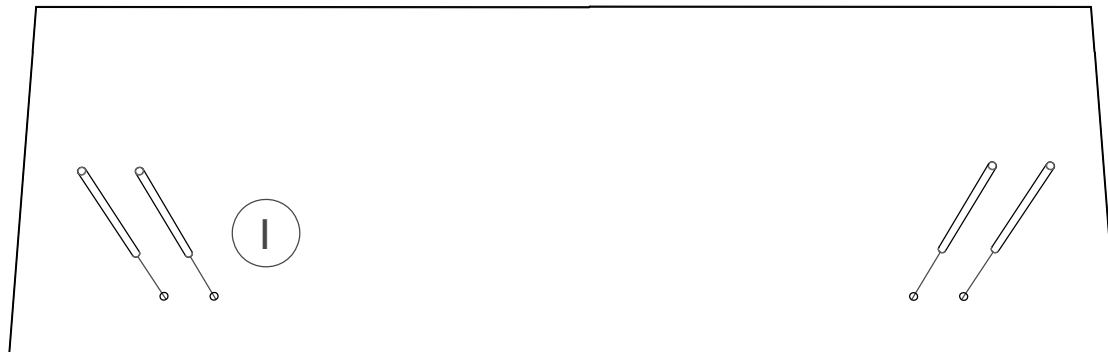
WALL-MOUNTED DECK ASSEMBLED

OPTION, Wall-Mounted Deck:

- For wall-mount deck, lower deck members (R) are supported by horizontal rear clip angle mounted to wall at rear of canopy.
- Install wall bolts (I) 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 (Y) over deck end closure at wall.
- Sealant by installer.

S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-01-04,06-07,16-21.dwg, 5/7/2014 3:07:54 PM, mpowers, DWF6 ePlot.pc3

SLD8-21



OPTION, WALL-MOUNTED FASCIA:

- Using approved shop drawings as guide, measure and locate hole spacing in wall to correspond to rear fascia (N) hole spacing. Drill 11/16" holes in fascia (N) 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 (I).
- Seal all around wall penetrations.

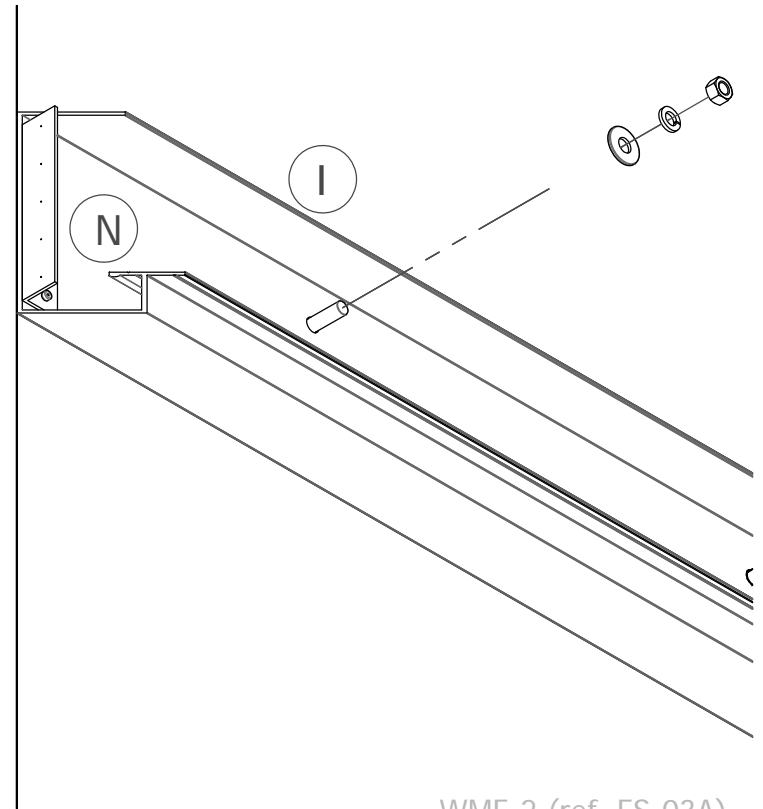
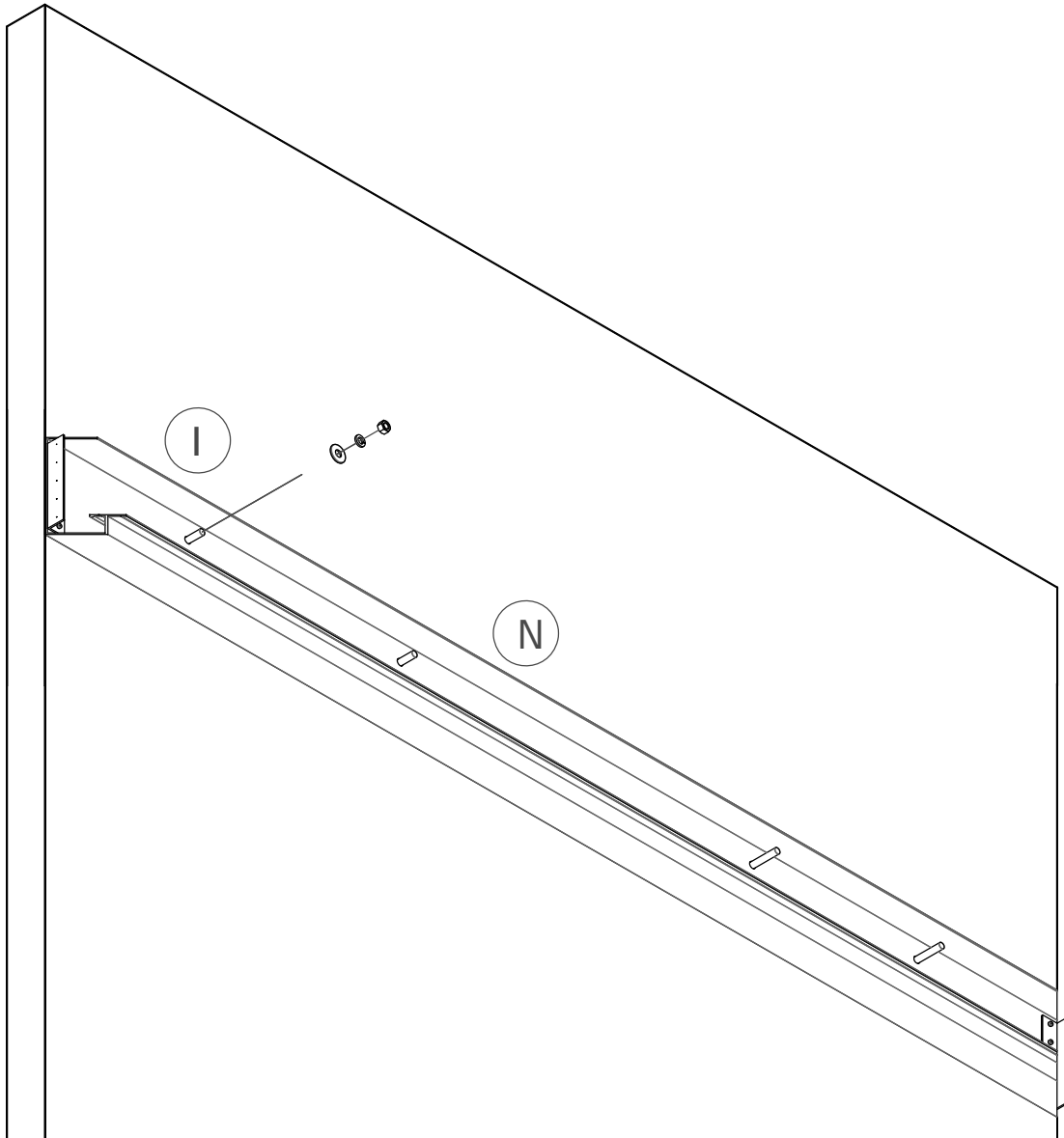
WMF-1 (ref. FS-01)

S:\CAD\Powers IPT Library\~INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-09,12,15,22-23.dwg, 5/7/2014 3:07:56 PM, mpowers, DWF6 ePlot.pc3

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

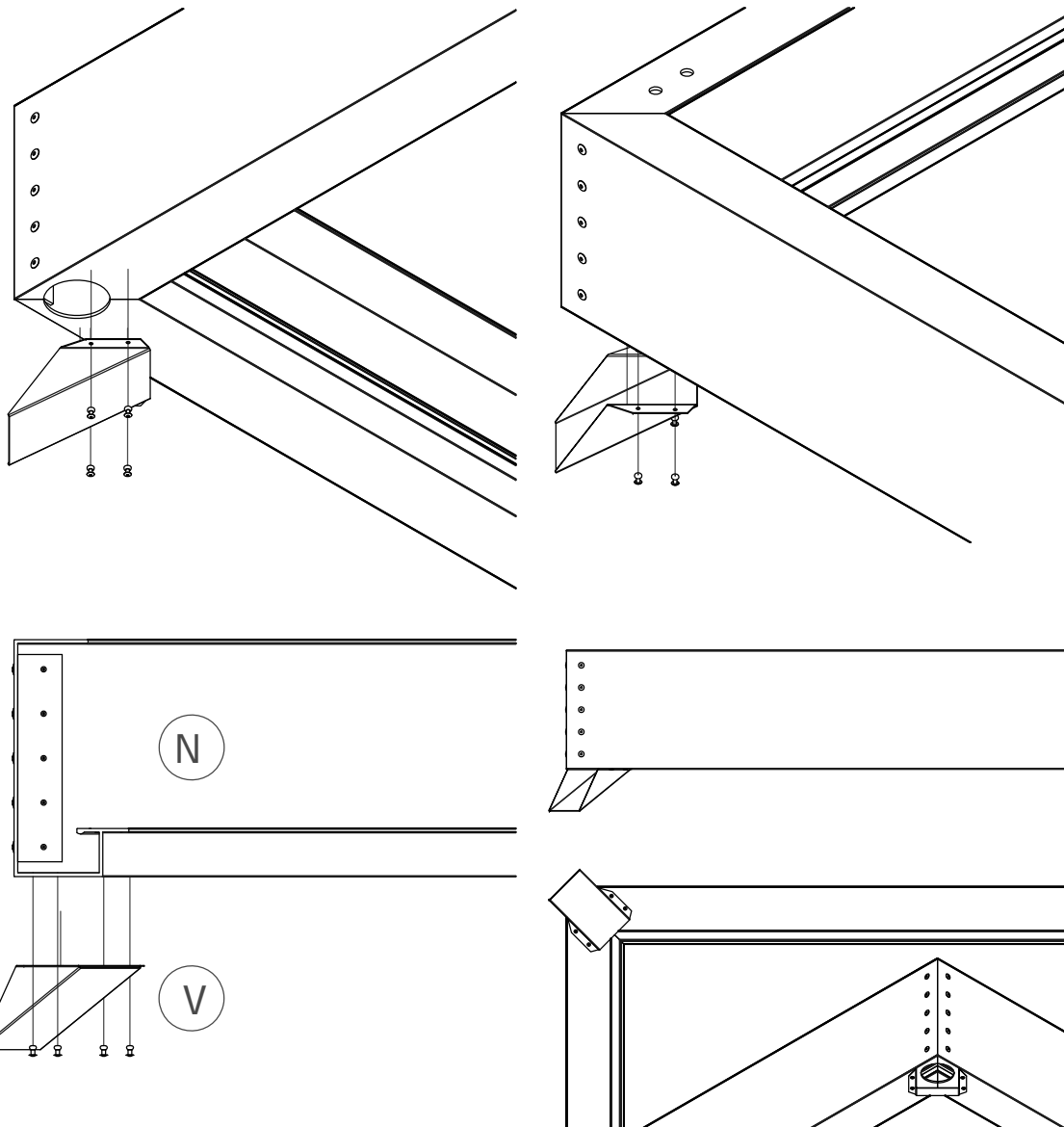
NOTE: 1 ½" x 1 ½" inside corner braces are already assembled to fascia on 1 side (N).

c. Fasten rear fascia (N) to wall with nuts & washers over threaded rod (I).



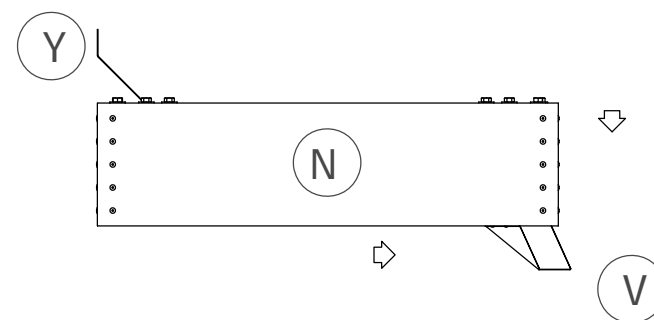
WMF-2 (ref. FS-03A)

S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-09,12,15,22-23.dwg, 5/7/2014 3:07:57 PM, mpowers, DWF6 ePlot.pc3



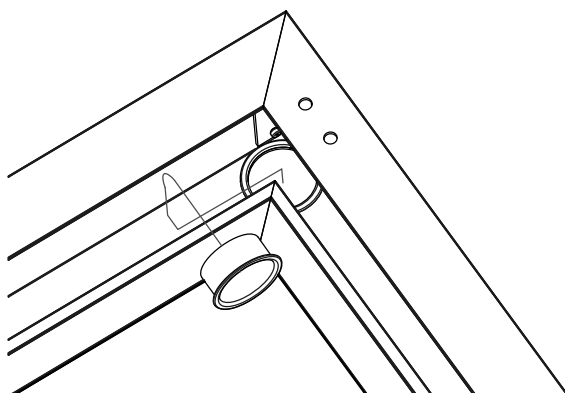
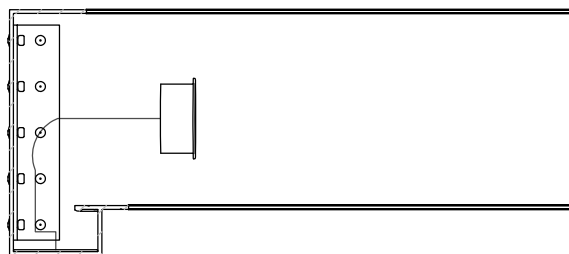
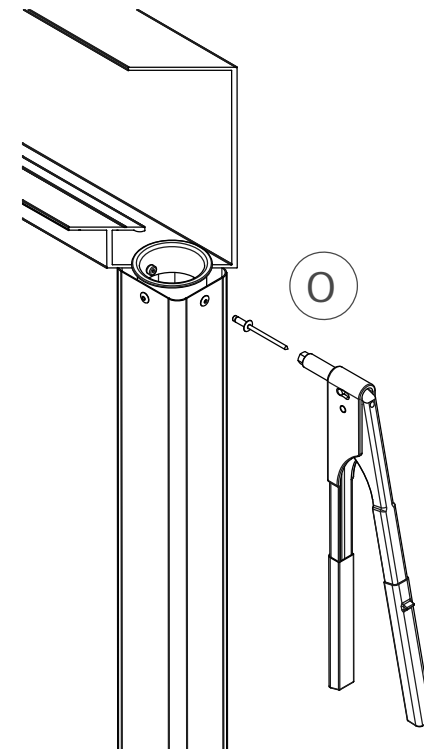
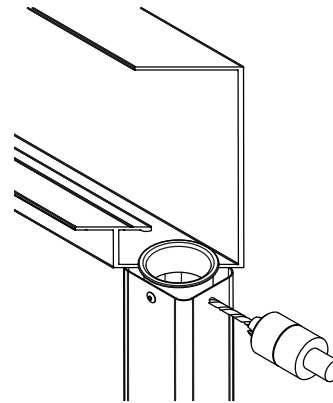
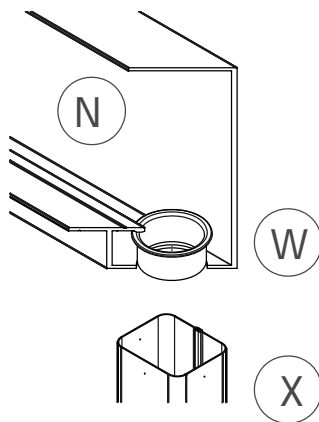
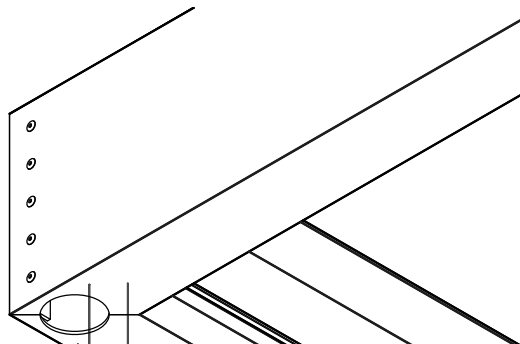
**OPTION, FASCIA DRAIN:
Drill Proper Drainage Holes in Fascia (and
Fascia extension assembly, if Applicable),
SCUPPER:**

- If using scuppers (V), drill 2" hole in fascia trough and use (4) self-sealing rivets to attach.
- Flashing (Y) provided by Mapes.
- Counter flashing and sealant by installer.
- Adjust canopy whichever direction you want water to drain, using shims between fascia (N) and wall or beam.



SLD8-24, FD1

S:\CAD\Powers IPT Library\ - INSTRUCTION DETAILS - Powers\ - SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-13,24-25.dwg, 5/7/2014 3:07:57 PM, mpowers, DWF6 ePlot.pc3

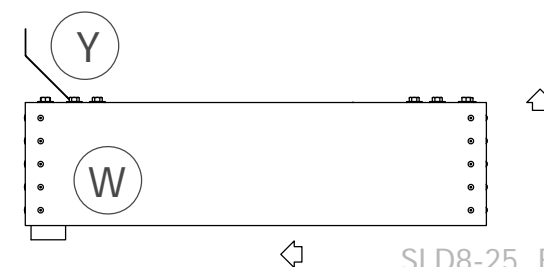


OPTION, FASCIA DRAIN:

**Drill Proper Drainage Holes in Fascia
(and Fascia extension assembly, if
Applicable),**

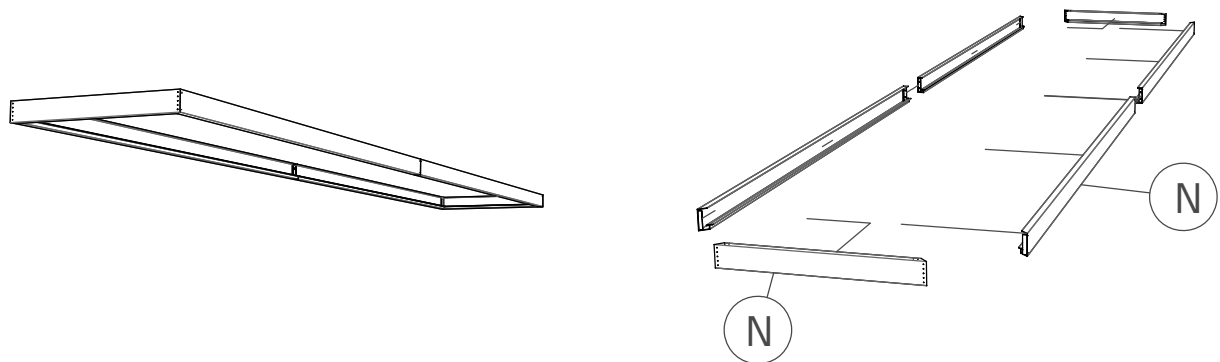
DOWNSPOUT:

- If using downspout, drill 2 5/16" hole in fascia trough for drain stub (W) and attach downspout (X) with downspout elbows and tie backs using 3/16" self-sealing rivets (O). (Modifications of drain stub may apply in some instances.)
- Flashing (Y) provided by Mapes.
- Counter flashing and sealant by installer.
- Adjust canopy whichever direction you want water to drain, using shims between fascia (N) and wall or beam.

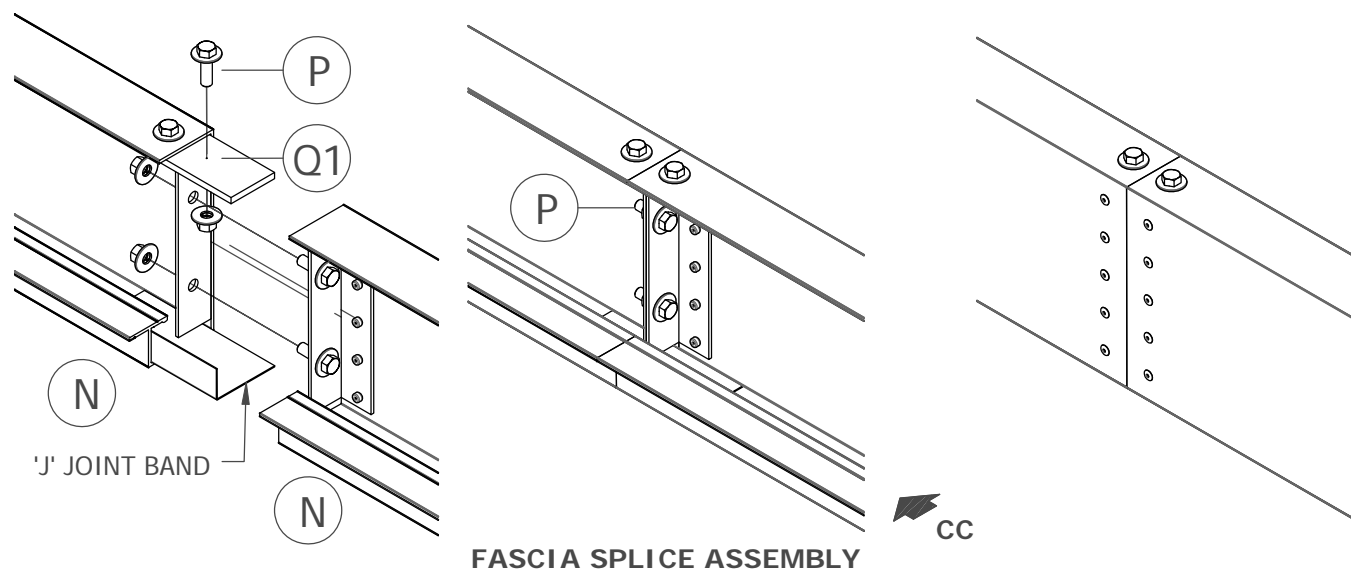


S:\CAD\Powers IPT Library\~ INSTRUCTION DETAILS - Powers\~SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-13,24-25.dwg, 5/7/2014 3:07:58 PM, mpowers, DWF6 ePlot.pc3

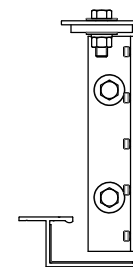
SLD8-25, FD2



**TYPICAL COMPONENTS,
FASCIA FRAME WITH JOINTS**



FASCIA SPLICE ASSEMBLY



SECTION 'CC'

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 (N) using 3/8" machine bolt assemblies (P) to draw joint angles together for a tight splice.

d. Clamp and drill 7/16" holes through fascia (N) top lip and 2" x 6" top splice plate (Q1) and fasten top splice plate underneath top lip of fascia (N) using (2) 3/8" machine bolt assemblies (P) to join fascia pieces.

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

S:\CAD\Powers IPT Library\ - INSTRUCTION DETAILS - Powers\ - SUPER LUMIDECK INSTRUCTIONS - MIN73 FASCIA\SLD8-26.dwg, 5/7/2014 3:07:59 PM, mpowers, DWF6 ePlot.pc3

SLD8-26
(FSH-05A
COMMON)