

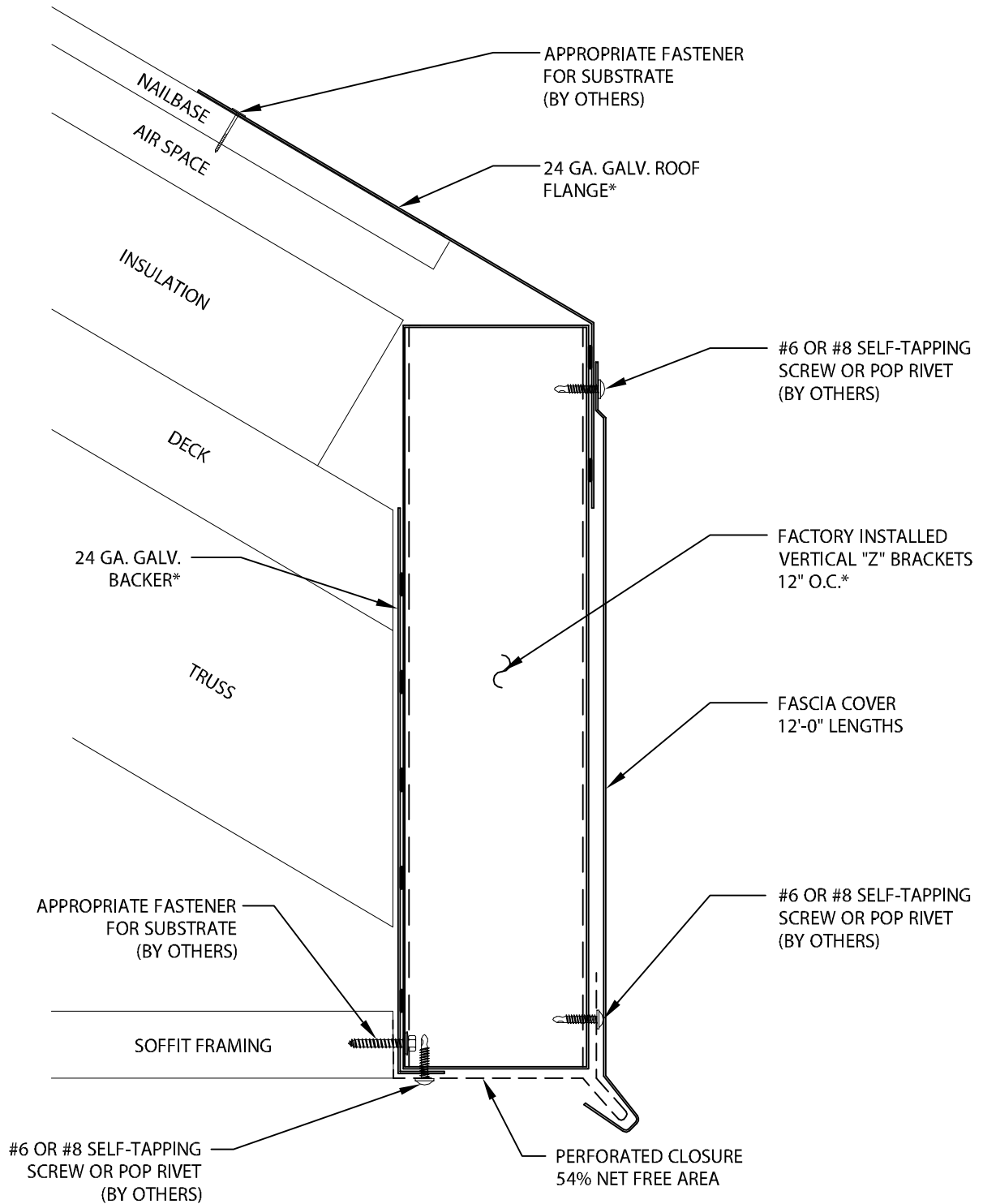
# TECHNI-FLO EV

VENTED NAILBASE VERSION

## INSTALLATION INSTRUCTIONS

U.S. PATENT #7,721,489

### TYPICAL FASCIA INSTALLATION



Phone: 855-542-0918  
Fax: 800-770-3934  
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\*BACKER ASSEMBLY (FACTORY ASSEMBLED 24 GA. GALV. ROOF FLANGE, 24 GA. GALV. BACKER, AND VERTICAL "Z" BRACKETS 12" O.C.)

DATE: 04/12/12

DRN BY: JJC

CKD BY: SAK

SHT.# 1 OF 9

DWG# 38127-10880

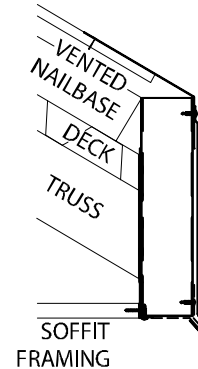
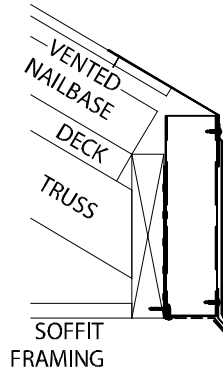
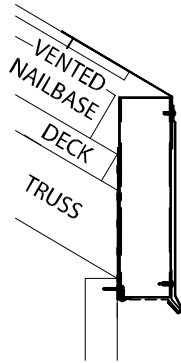
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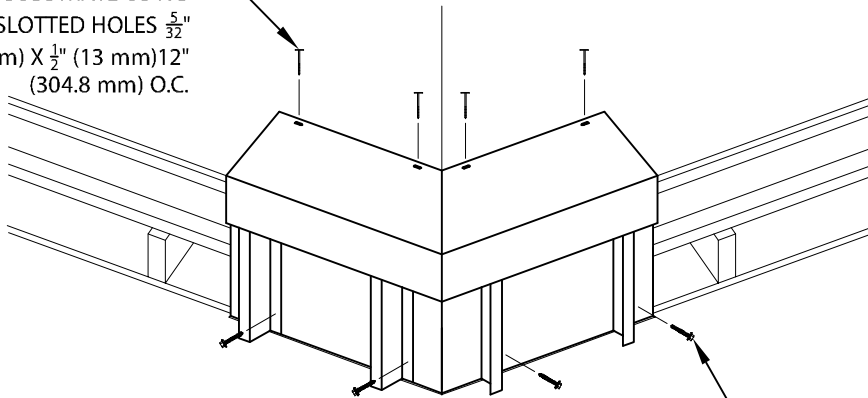


### 1. SUBSTRATE

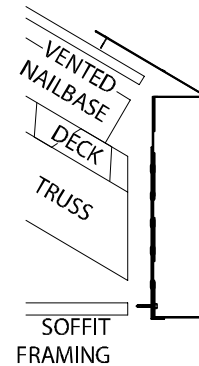
SUBSTRATE MUST BE CONTINUOUS, FLAT, VERTICAL, AND ABLE TO SUPPORT FASTENERS WITH A MINIMUM 240 LB. PULL-OUT. EXAMPLES - ATTACHING FLUSH TO A WALL, TO A WOOD SUBSTRATE, TO SOFFIT FRAMING.

TECHNI-FLO EV IS NOT INTENDED FOR ATTACHMENT TO OPEN ENDED METAL TRUSS OR METAL BAR JOIST APPLICATIONS.

APPROPRIATE FASTENER  
FOR SUBSTRATE USING  
PRE-SLOTTED HOLES  $\frac{5}{32}$ "  
(4 mm) X  $\frac{1}{2}$ " (13 mm) 12"  
(304.8 mm) O.C.



APPROPRIATE FASTENER FOR  
SUBSTRATE ON EVERY VERTICAL "Z"  
BRACKET THROUGH VERTICAL "Z"  
BRACKETS AND BACKER



### 2A. MITER BACKER ASSEMBLY ATTACHMENT - EAVE TO EAVE OUTSIDE MITER SHOWN

ALIGN THE BACK OF THE BACKER ASSEMBLY WITH THE END OF THE TRUSS. ALIGN THE TOP OF THE BACKER ASSEMBLY WITH THE TOP OF THE VENTED NAILBASE. ATTACH THE ROOF FLANGE OF THE BACKER ASSEMBLY TO THE TOP OF THE VENTED NAILBASE WITH AN APPROPRIATE FASTENER FOR THE SUBSTRATE USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" (304.8 mm) O.C. ATTACH THE BACKER ASSEMBLY THROUGH THE VERTICAL "Z" BRACKETS AND BACKER USING APPROPRIATE FASTENER FOR SUBSTRATE ON EVERY VERTICAL "Z" BRACKET.

NOTE: BE SURE TO CHECK AND MAKE SURE THE MITERS ARE PLUMB, LEVEL, AND CENTERED AT THE CORNER. IT MAY BE HELPFUL TO ATTACH THE MITER TO A STRAIGHT PIECE OF THE BACKER ASSEMBLY TO AID IN THE ALIGNMENT PROCESS.



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SHT.# 2 OF 9

DWG# 38127-10880

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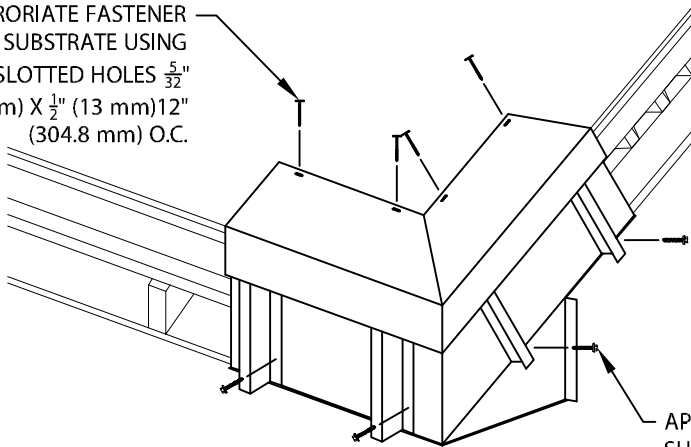
# TECHNI-FLO EV

## VENTED NAILBASE VERSION

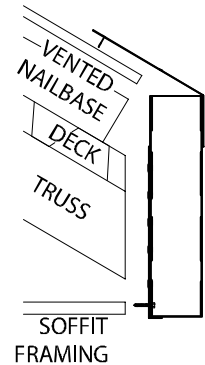
### INSTALLATION INSTRUCTIONS

U.S. PATENT #7,721,489

APPROPRIATE FASTENER  
FOR SUBSTRATE USING  
PRE-SLOTTED HOLES  $\frac{5}{32}$ "  
(4 mm) X  $\frac{1}{2}$ " (13 mm) 12"  
(304.8 mm) O.C.



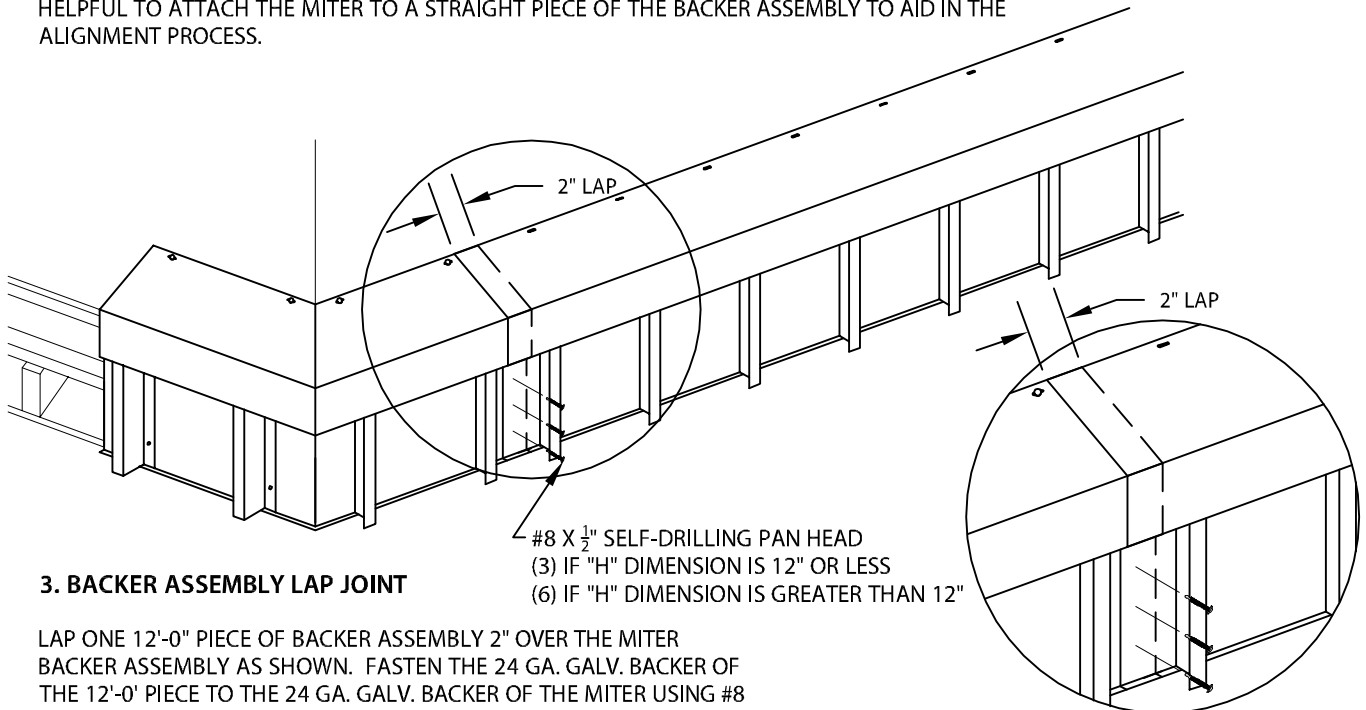
APPROPRIATE FASTENER FOR  
SUBSTRATE ON EVERY VERTICAL "Z"  
BRACKET THROUGH VERTICAL "Z"  
BRACKETS AND BACKER



#### 2B. MITER BACKER ASSEMBLY ATTACHMENT - EAVE TO RAKE OUTSIDE MITER SHOWN

ALIGN THE BACK OF THE BACKER ASSEMBLY WITH THE END OF THE TRUSS. ALIGN THE TOP OF THE BACKER ASSEMBLY WITH THE TOP OF THE VENTED NAILBASE. ATTACH THE ROOF FLANGE OF THE BACKER ASSEMBLY TO THE TOP OF THE VENTED NAILBASE WITH AN APPROPRIATE FASTENER FOR THE SUBSTRATE USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" (304.8 mm) O.C. ATTACH THE BACKER ASSEMBLY THROUGH THE VERTICAL "Z" BRACKETS AND BACKER USING APPROPRIATE FASTENER FOR SUBSTRATE ON EVERY VERTICAL "Z" BRACKET.

NOTE: BE SURE TO CHECK AND MAKE SURE THE MITERS ARE PLUMB, LEVEL, AND CENTERED AT THE CORNER. IT MAY BE HELPFUL TO ATTACH THE MITER TO A STRAIGHT PIECE OF THE BACKER ASSEMBLY TO AID IN THE ALIGNMENT PROCESS.



#### 3. BACKER ASSEMBLY LAP JOINT

LAP ONE 12'-0" PIECE OF BACKER ASSEMBLY 2" OVER THE MITER BACKER ASSEMBLY AS SHOWN. FASTEN THE 24 GA. GALV. BACKER OF THE 12'-0" PIECE TO THE 24 GA. GALV. BACKER OF THE MITER USING #8 X  $\frac{1}{2}$ " SELF-DRILLING PAN HEAD FASTENERS. USE 3 FASTENERS FOR "H" DIMENSIONS 12" OR LESS AND 6 FASTENERS FOR "H" DIMENSIONS GREATER THAN 12". FASTENERS CAN BE INSTALLED FROM FRONT TO BACK OR BACK TO FRONT, AS BEST FOR YOUR APPLICATION (FASTENERS SHOWN FROM FRONT TO BACK). NO FASTENERS NECESSARY AT THE CONTINUOUS ROOF FLANGE LAP JOINT.



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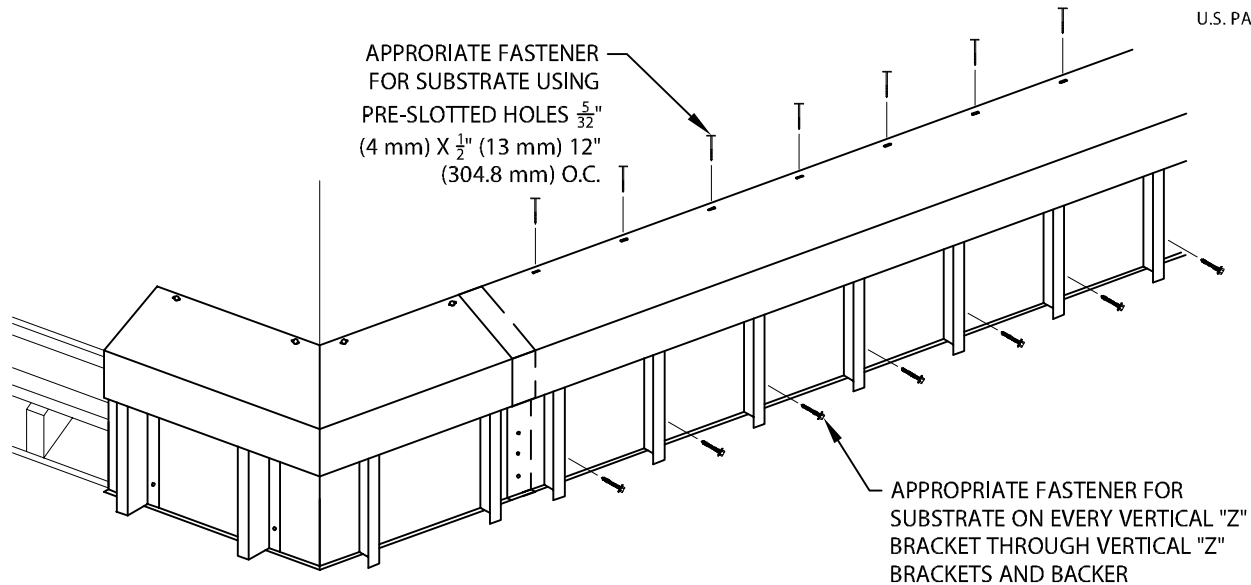
DRN BY: JJC

CKD BY: SAK

SHT.# 3 OF 9

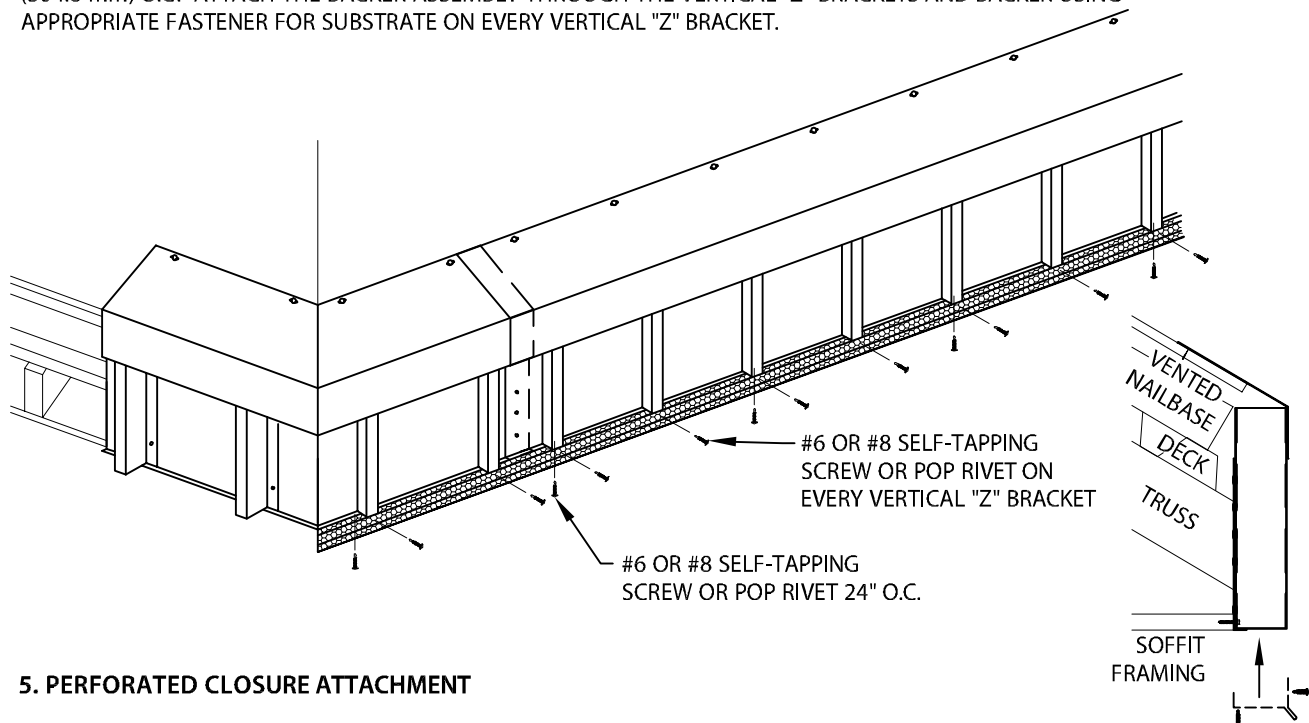
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#### 4. BACKER ASSEMBLY ATTACHMENT

ATTACH THE ROOF FLANGE OF THE BACKER ASSEMBLY TO THE TOP OF THE VENTED NAILBASE WITH AN APPROPRIATE FASTENER FOR THE SUBSTRATE USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" (304.8 mm) O.C. ATTACH THE BACKER ASSEMBLY THROUGH THE VERTICAL "Z" BRACKETS AND BACKER USING APPROPRIATE FASTENER FOR SUBSTRATE ON EVERY VERTICAL "Z" BRACKET.



#### 5. PERFORATED CLOSURE ATTACHMENT

STARTING AT THE CORNER, ALIGN A 12'-0" PIECE OF PERFORATED CLOSURE WITH THE BOTTOM OF THE BACKER ASSEMBLY. NOTE: THE  $\frac{1}{2}$ " VERTICAL TAB OF THE PERFORATED CLOSURE SHOULD BE BEHIND THE 24 GA. GALV. BACKER. FASTEN THE FRONT OF THE PERFORATED CLOSURE TO EVERY VERTICAL "Z" BRACKET AND FASTEN THE  $\frac{1}{2}$ " VERTICAL TAB OF THE PERFORATED CLOSURE TO THE BACKER OR FASTEN THE BOTTOM OF THE PERFORATED CLOSURE TO THE BOTTOM TAB OF THE BACKER (FASTENER SHOWN AT THE BOTTOM OF THE PERFORATED CLOSURE TO THE BOTTOM TAB OF THE BACKER) AT 24" O.C. USING #6 OR #8 SELF-TAPPING SCREW OR POP RIVET.

NOTE: MITER OF PERFORATED CLOSURE IS DONE IN THE FIELD.



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SHT.# 4 OF 9

DWG# 38127-10880

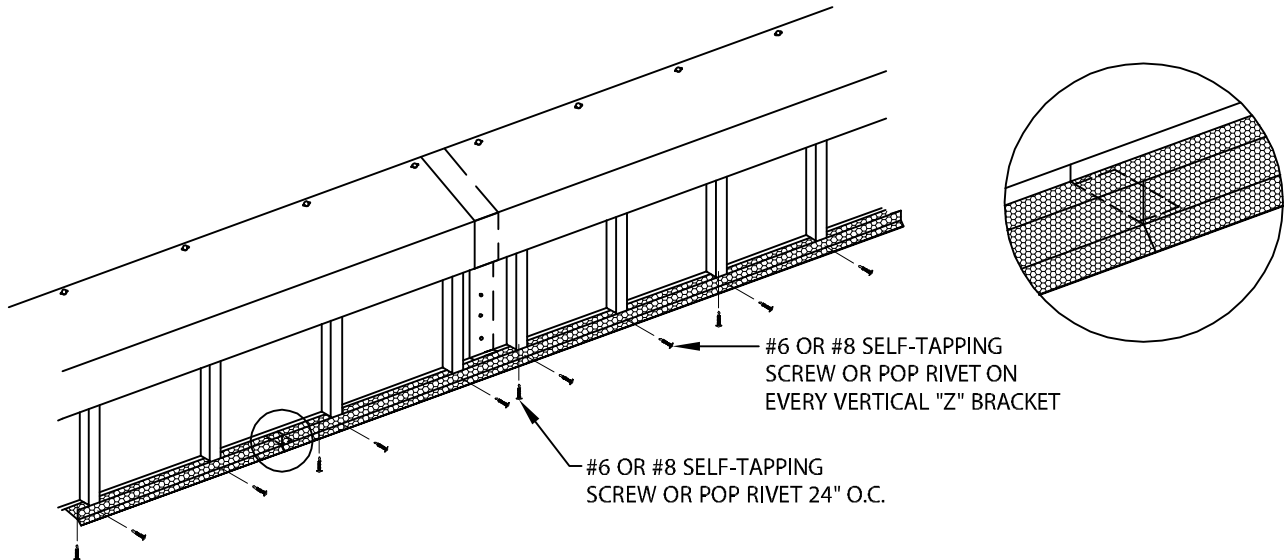
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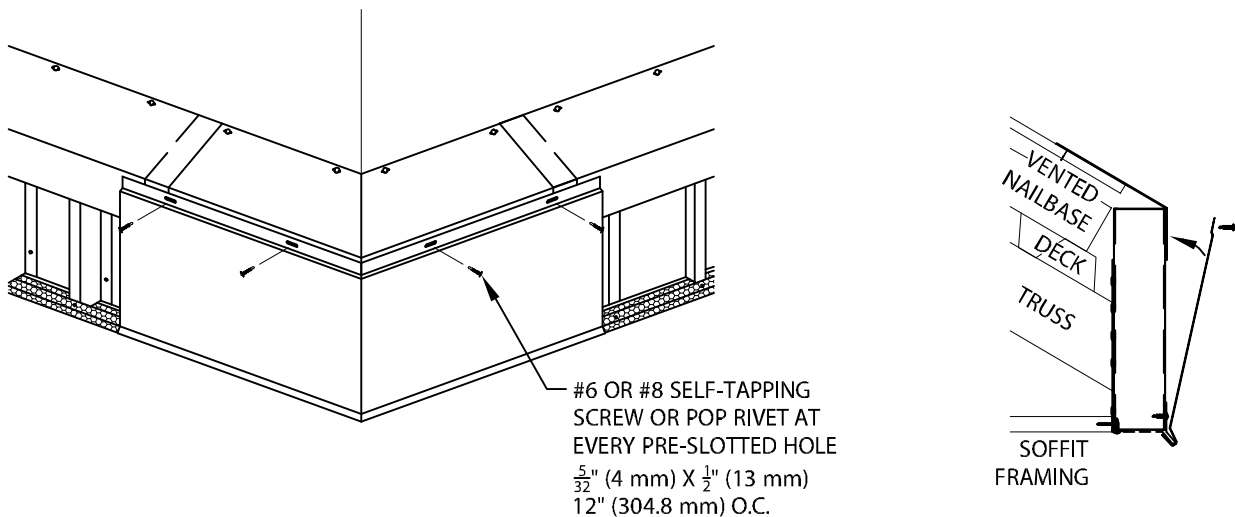
U.S. PATENT #7,721,489



### 6. PERFORATED CLOSURE LAP

LAP ONE 12'-0" PIECE OF PERFORATED CLOSURE 1" OVER THE PIECE OF PERFORATED CLOSURE ALREADY INSTALLED AT THE CORNER AS SHOWN. NO FASTENERS NECESSARY AT LAP JOINT.

**CONTINUE WITH STEPS 7A-8 FOR LAP JOINT VERSION**  
**GO TO STEP 9A FOR SPLICE PLATE VERSION**



### 7A. MITER FASCIA COVER ATTACHMENT - EAVE TO EAVE OUTSIDE MITER SHOWN LAP JOINT VERSION

HOOK THE BOTTOM OF THE MITER FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE MITER FASCIA COVER AND FASTEN THE TOP OF THE MITER FASCIA COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE.



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SHT.# 5 OF 9

DWG# 38127-10880

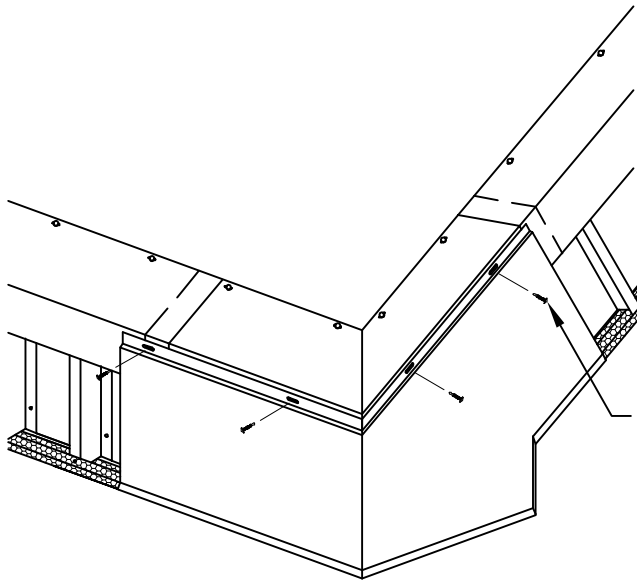
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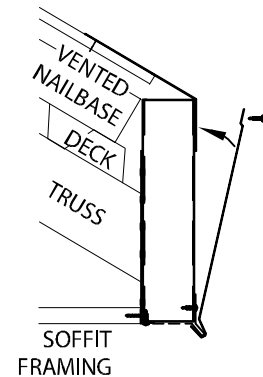
VENTED NAILBASE VERSION

## INSTALLATION INSTRUCTIONS

U.S. PATENT #7,721,489

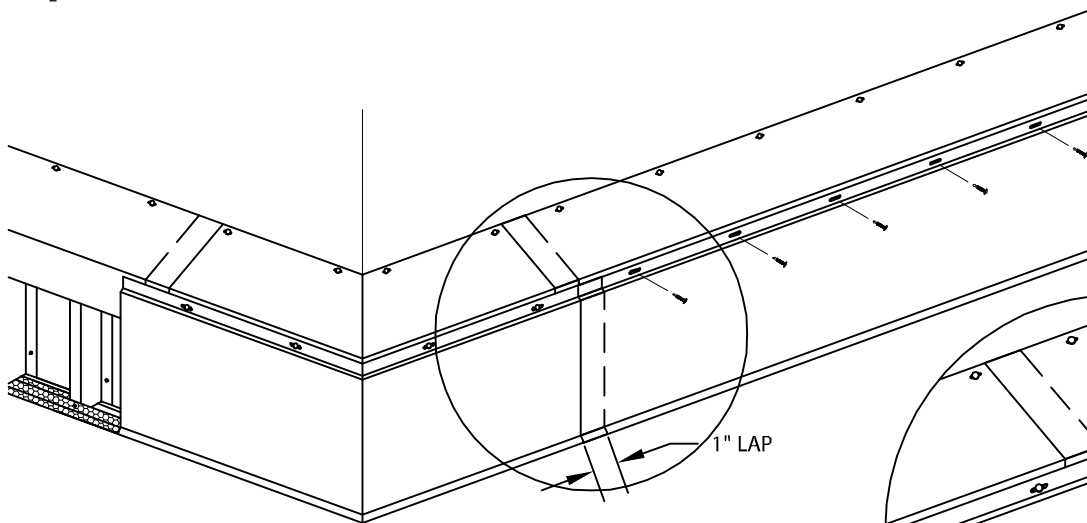


#6 OR #8 SELF-TAPPING  
SCREW OR POP RIVET AT  
EVERY PRE-SLOTTED HOLE  
 $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm)  
12" (304.8 mm) O.C.



### 7B. MITER FASCIA COVER ATTACHMENT - EAVE TO RAKE OUTSIDE MITER SHOWN LAP JOINT VERSION

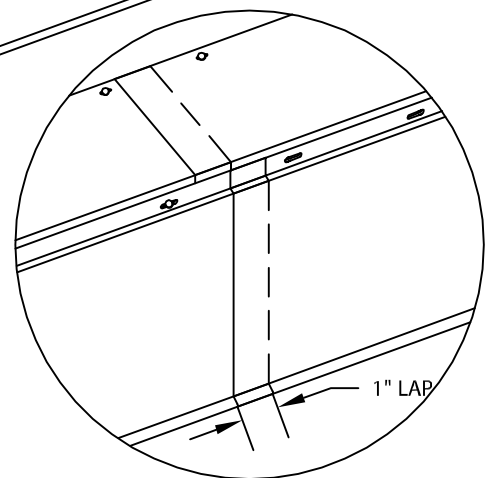
HOOK THE BOTTOM OF THE MITER FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE MITER FASCIA COVER AND FASTEN THE TOP OF THE MITER FASCIA COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE.



#6 OR #8 SELF-TAPPING  
SCREW OR POP RIVET AT  
EVERY PRE-SLOTTED HOLE  
 $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm)  
12" (304.8 mm) O.C.

### 8. FASCIA COVER ATTACHMENT LAP JOINT VERSION

LAPPING ONE 12'-0" PIECE OF FASCIA COVER 1" OVER THE FASCIA COVER, HOOK THE BOTTOM OF THE FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE FASCIA COVER AND FASTEN THE TOP OF THE COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE. NO FASTENERS NECESSARY AT THE CONTINUOUS FASCIA COVER LAP JOINT.



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SHT.# 6 OF 9

DWG# 38127-10880

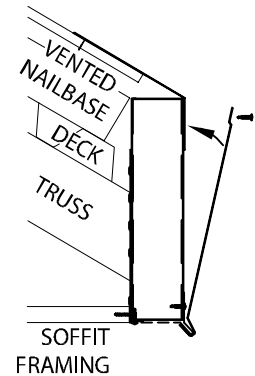
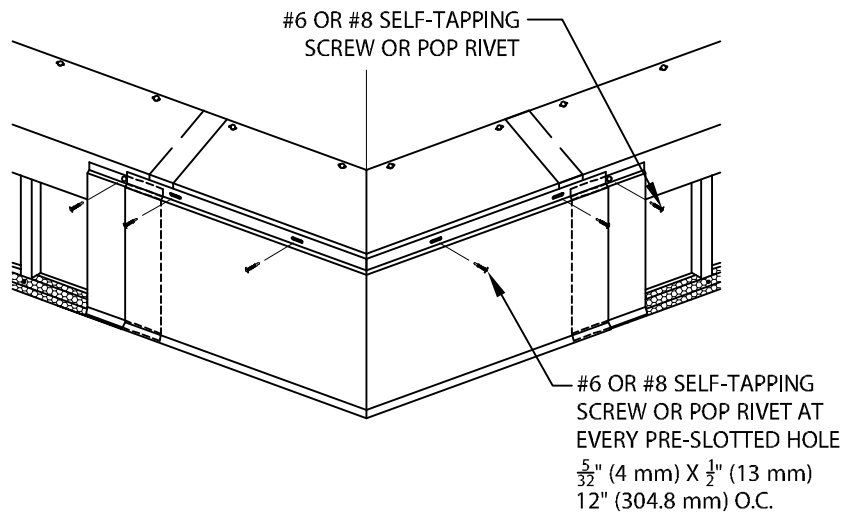
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# TECHNI-FLO EV

## VENTED NAILBASE VERSION

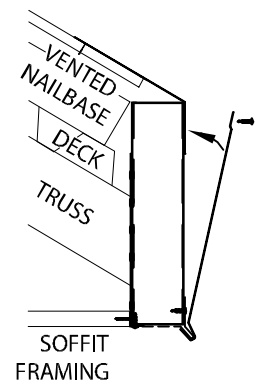
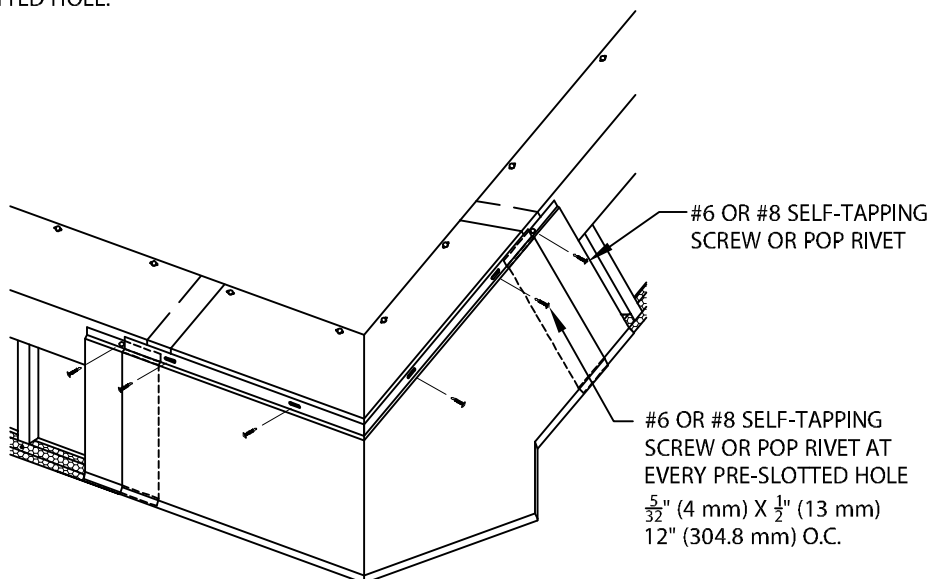
### INSTALLATION INSTRUCTIONS

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#### 9A. MITER FASCIA COVER ATTACHMENT - EAVE TO EAVE OUTSIDE MITER SHOWN SPLICE PLATE VERSION

POSITION  $3\frac{1}{2}$ " SPLICE PLATE CENTERED BEHIND FASCIA COVER AS SHOWN (MITER FASCIA COVER SHOWN). USING #6 OR #8 SELF-TAPPING SCREW OR POP RIVET FASTEN THE TOP OF THE EXPOSED END OF THE SPLICE PLATE TO THE FACE OF THE CONTINUOUS ROOF FLANGE AS SHOWN. HOOK THE BOTTOM OF THE MITER FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE MITER FASCIA COVER AND FASTEN THE TOP OF THE MITER FASCIA COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE.



#### 9B. MITER FASCIA COVER ATTACHMENT - EAVE TO RAKE OUTSIDE MITER SHOWN SPLICE PLATE VERSION

POSITION  $3\frac{1}{2}$ " SPLICE PLATE CENTERED BEHIND FASCIA COVER AS SHOWN (MITER FASCIA COVER SHOWN). USING #6 OR #8 SELF-TAPPING SCREW OR POP RIVET FASTEN THE TOP OF THE EXPOSED END OF THE SPLICE PLATE TO THE FACE OF THE CONTINUOUS ROOF FLANGE AS SHOWN. HOOK THE BOTTOM OF THE MITER FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE MITER FASCIA COVER AND FASTEN THE TOP OF THE MITER FASCIA COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE.



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SHT.# 7 OF 9

DRN BY: JJC

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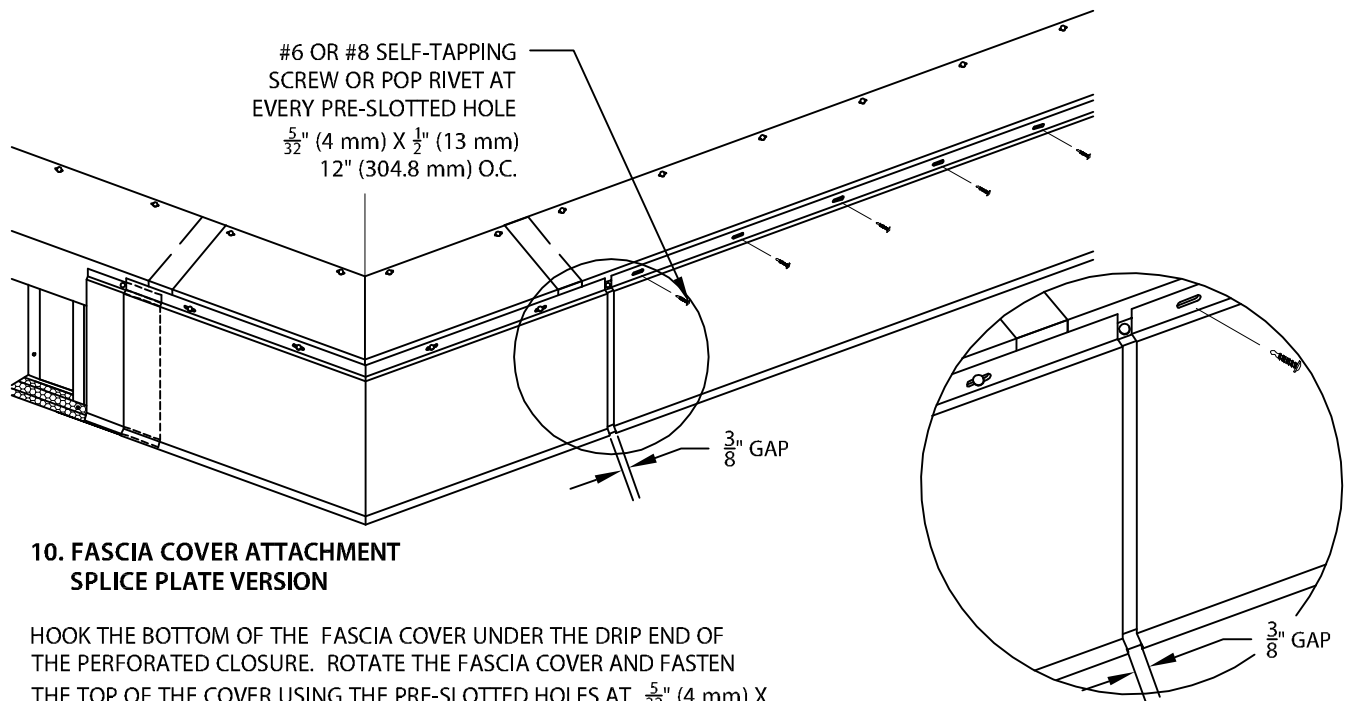
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U.S. PATENT #7,721,489



### 10. FASCIA COVER ATTACHMENT SPLICE PLATE VERSION

HOOK THE BOTTOM OF THE FASCIA COVER UNDER THE DRIP END OF THE PERFORATED CLOSURE. ROTATE THE FASCIA COVER AND FASTEN THE TOP OF THE COVER USING THE PRE-SLOTTED HOLES AT  $\frac{5}{32}$ " (4 mm) X  $\frac{1}{2}$ " (13 mm) 12" O.C. USING A #6 OR #8 SELF-TAPPING SCREW OR POP RIVET AT EVERY SLOTTED HOLE. LEAVE A  $\frac{3}{8}$ " GAP BETWEEN THE FASCIA COVERS TO ALLOW FOR THERMAL EXPANSION.



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SHT.# 8 OF 9

DWG# 38127-10880

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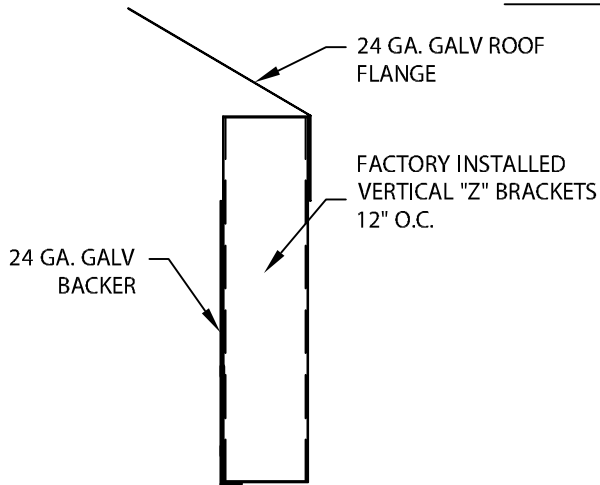
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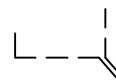
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### TYPICAL COMPONENT LIST



**BACKER ASSEMBLY**  
12'-0" LENGTHS: FACTORY  
ASSEMBLED 24 GA. GALV. ROOF  
FLANGE, 24 GA. GALV. BACKER, AND  
VERTICAL "Z" BRACKETS 12" O.C.



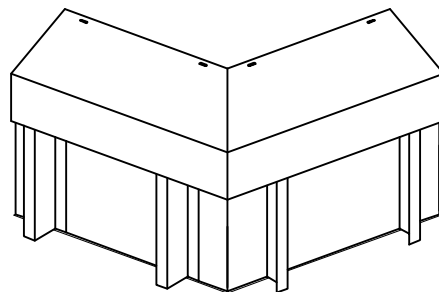
**24 GA. GALV.  
PERFORATED CLOSURE,**  
12'-0" LENGTHS



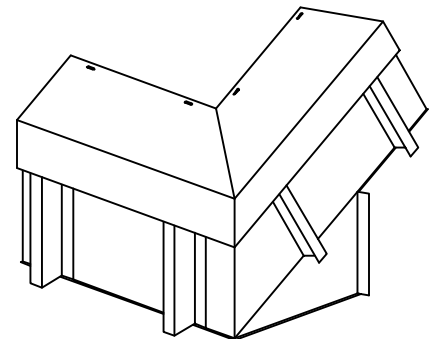
**FASCIA COVER**  
12'-0" LENGTHS



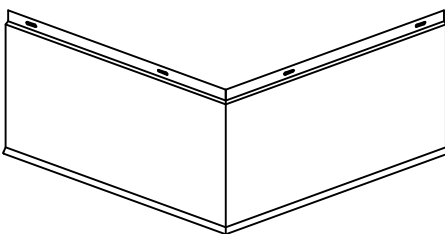
**COVER SPLICE PLATE**  
3 1/2" LENGTHS  
(WHEN APPLICABLE)



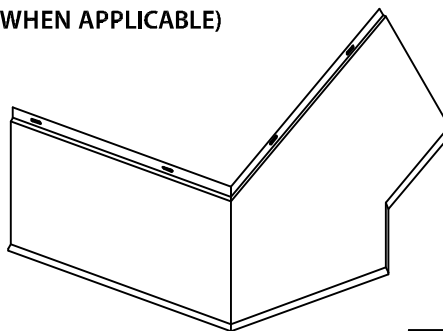
**MITER BACKER ASSEMBLY:**  
EAVE TO EAVE OUTSIDE  
MITER SHOWN  
(WHEN APPLICABLE)



**MITER BACKER ASSEMBLY:**  
EAVE TO RAKE OUTSIDE  
MITER SHOWN  
(WHEN APPLICABLE)



**MITER FASCIA COVER:**  
EAVE TO EAVE OUTSIDE  
MITER SHOWN  
(WHEN APPLICABLE)



**MITER FASCIA COVER:**  
EAVE TO RAKE OUTSIDE  
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