

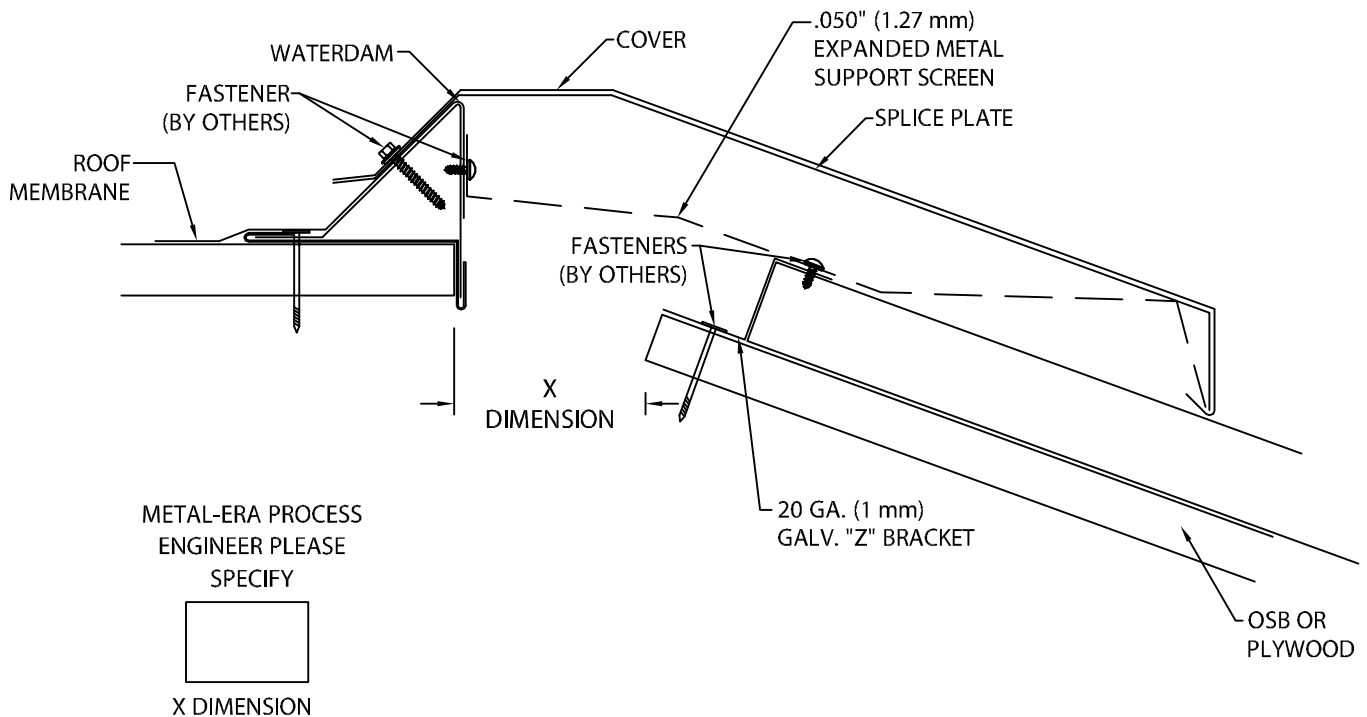
HI-PERF RIDGE VENT

SLOPED ROOF MEETS FLAT ROOF, STANDING SEAM VERSION

INSTALLATION INSTRUCTIONS

U.S. PATENT # 7,823,343 B1

DETAIL A



METAL-ERA PROCESS
ENGINEER PLEASE
SPECIFY



X DIMENSION

CAUTION! INSTALLERS SHALL WEAR PROTECTIVE EYE WEAR TO PREVENT INJURY. DO NOT OVERDRIVE FASTENERS, AS STRIPPING CAN OCCUR AT HIGH DRIVER TORQUE. RECOMMENDED DRIVING TOOL: 600 - 800 rpm ELECTRIC DRILL EQUIPPED WITH DEPTH-SENSING NOSE-PIECE TO PREVENT DRIVING AND STRIPOUT. DO NOT USE IMPACT TYPE TOOL.

IMPORTANT! BE SURE TO REMOVE PROTECTIVE PLASTIC FILM PRIOR TO INSTALLING EACH COVER SECTION.

NOTE: ALL FASTENERS MUST MEET MINIMUM 240 LB. PULL-OUT FOR SUBSTRATE.



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DATE: 11/06/12

SHT.# 1 OF 5

DRN BY: JJC

CKD BY: SAK

DWG# 31124-16628

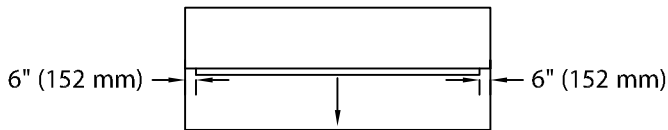
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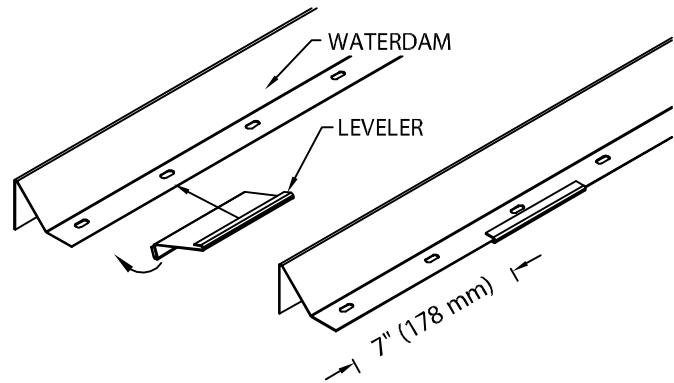
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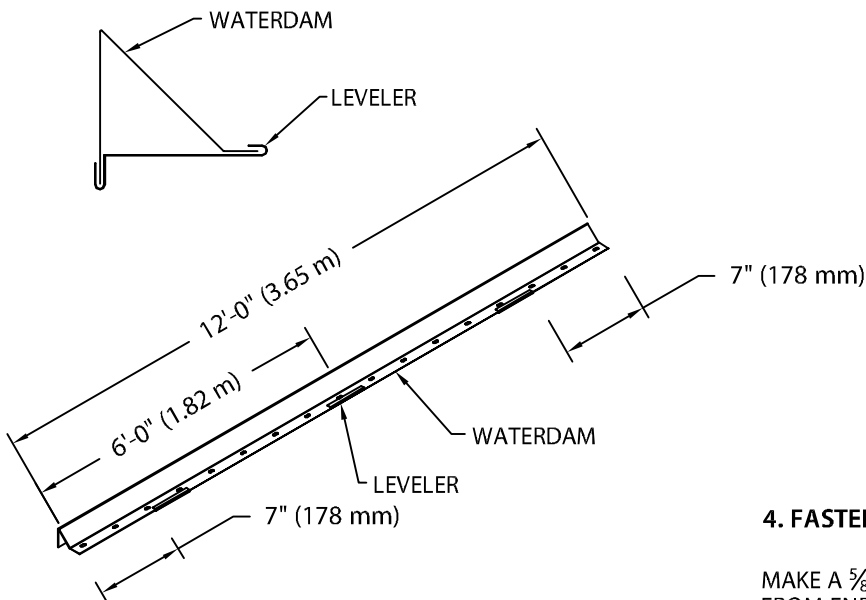
1. PREPARE RIDGE

CUT OPENING AT RIDGE "X" DIMENSION. (SEE DETAIL "A".)



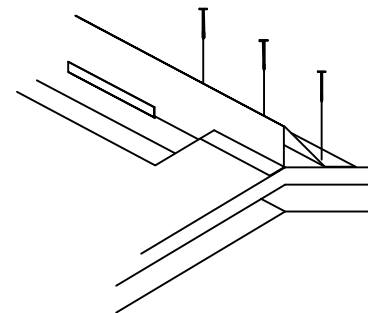
2. MOUNTING LEVELERS

CLIP THREE LEVELERS ON TO WATERDAM.



3. WATER DAM

SLIDE LEVELERS INTO POSITION: ONE 7" (178 mm) FROM EACH END AND ONE IN THE CENTER. (SEE DIAGRAM)



4. FASTEN

MAKE A $\frac{5}{8}$ " (16 mm) SLIT IN WATERDAM 6" (152 mm) FROM END (ONLY ON THE TWO END WATERDAMS). BEND TO FIT OVER THE OSB ON END 6" (152 mm) OF RIDGE. FASTEN WATER DAM AND LEVELERS AT ROOF AT 6" (152 mm) O.C. WITH APPROPRIATE FASTENERS USING PRE-PUNCHED SLOTTED HOLES. POSITION ROOF MEMBRANE OVER AND DOWN WATERDAM AS SHOWN ON PAGE 1. FOLLOW GENERAL RECOMMENDATIONS OF THE ROOF MEMBRANE MANUFACTURERS APPLICATION OF MATERIALS OVER THE ROOF EDGE. ROOF MEMBRANE NOT SHOWN FOR CLARITY.



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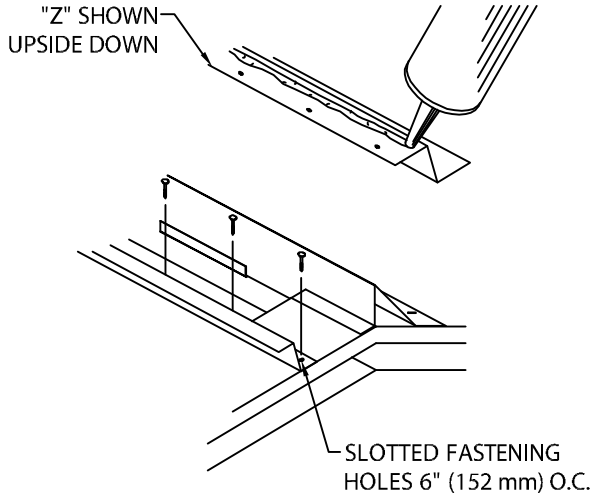
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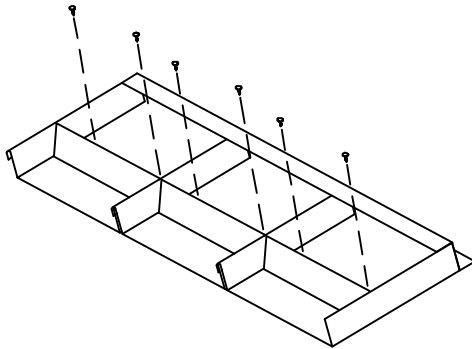
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5. MOUNTING BRACKETS

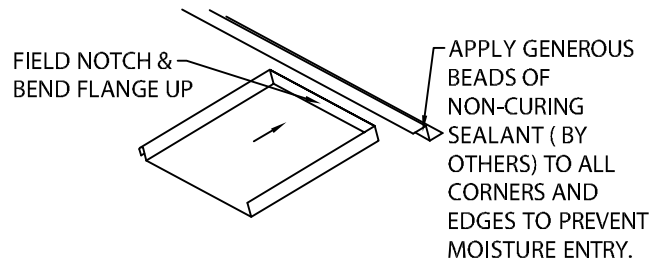
TO PREVENT MOISTURE ENTRY UNDER THE "Z", APPLY A GENEROUS BEAD OF NON-CURING SEALANT TO BOTTOM OF FLANGE. FASTEN BRACKETS AT ROOF AT 6" (152 mm) O.C. WITH APPROPRIATE FASTENERS USING PRE-PUNCHED SLOTTED HOLES. LAP "Z'S" 1" (25 mm).

NOTE: FOAM/SEALANT SHOULD BE PLACED BETWEEN THE "Z" AND FLAT ROOF OVER THE OSB ON THE LAST 6" (152 mm) AT BOTH ENDS (SEE STEP 1)



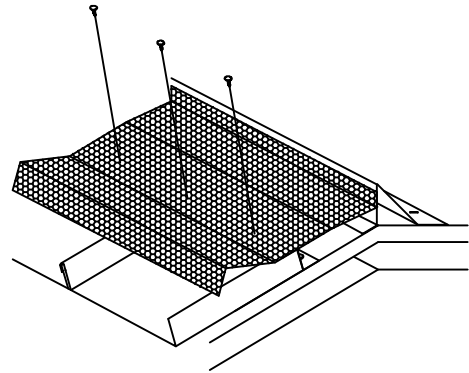
7. STANDING SEAM DEFLECTOR

PROVIDED FOR 4/12 PITCH OR LESS IN 12'-0" (3.65 m) LENGTHS TO BE CUT IN FIELD TO FIT BETWEEN THE STANDING SEAMS. CUT DEFLECTORS $\frac{3}{8}$ " (10 mm) SHORTER THAN THE MEASURED DISTANCE BETWEEN STANDING SEAMS. CENTER BETWEEN SEAMS ALLOWING $\frac{3}{16}$ " (5 mm) GAP AT BOTH ENDS FOR RESIDUAL WATER DRAINAGE. FASTEN WITH #10 x 3/4" (19 mm) TEK SCREWS WITH BOND SEAL WASHERS AS SHOWN.



6. STANDING SEAM ROOFING

FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR TERMINATING STANDING SEAM AT RIDGE VENT CHANNEL. SEE ABOVE FOR TYPICAL DETAIL.



8. EXPANDED METAL SUPPORT SCREEN

PLACE SUPPORT SCREEN CENTERED OVER "Z" BRACKET. FASTEN AT 12" (305 mm) O.C. TO "Z" BRACKET. LAP SUPPORT SCREENS 1" (25 mm).



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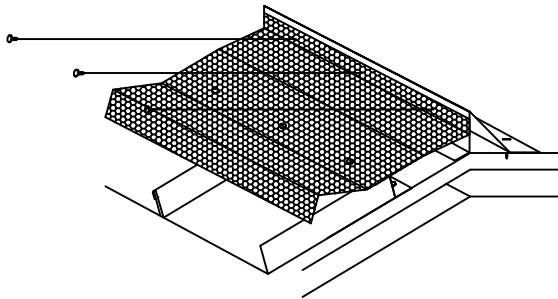
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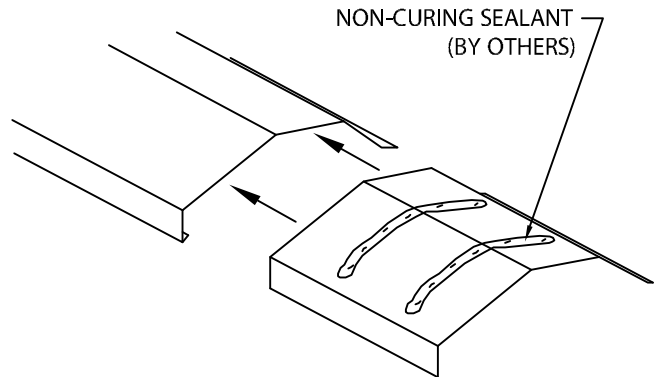
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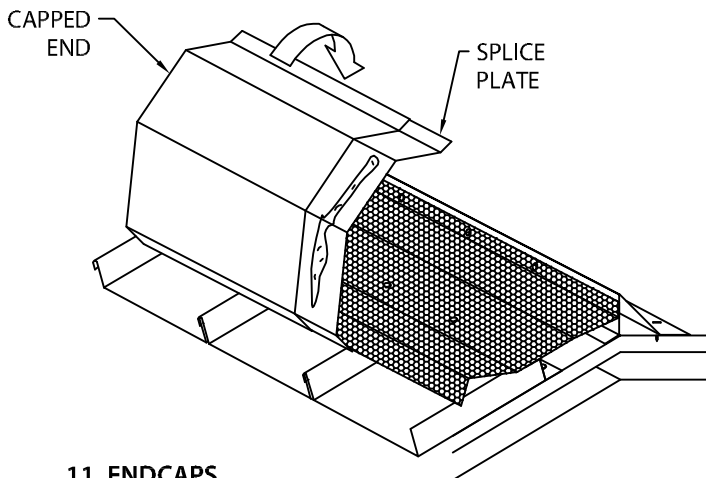
9. FASTEN

FASTEN TOP OF SUPPORT SCREEN AT 12" (305 mm) O.C. TO WATER DAM. LAP SUPPORT SCREENS 1" (152 mm).



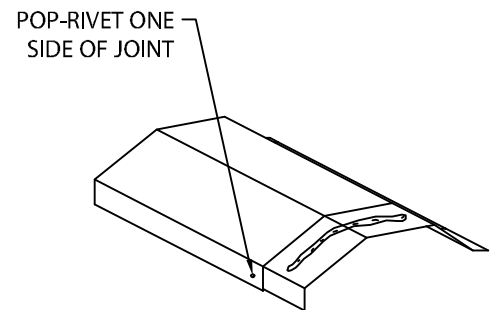
10. SPLICE PLATES

8" (203 mm) CONCEALED SPLICE PLATE SUPPLIED AT EACH COVER JOINT. APPLY NON-CURING SEALANT (BY OTHERS) TO TOP OF SPLICE PLATES AS SHOWN. INSTALL THE SPLICE PLATE INTO ONE END OF 12'-0" (3.65 m) COVER AND ENDCAPS SO THAT HALF THE SPLICE PLATE IS EXPOSED.



11. ENDCAPS

HOOK COVER DRIP ONTO EXPANDED METAL SUPPORT SCREEN AND ROTATE INTO PLACE. IMPORTANT: USE PROTECTION AGAINST SHARP EDGES



12. POP-RIVET

POP-RIVET SPLICE TO ONE SIDE JOINT TO PREVENT JOINT MIGRATION. NOTE: REMOVE PROTECTIVE FILM IMMEDIATELY.



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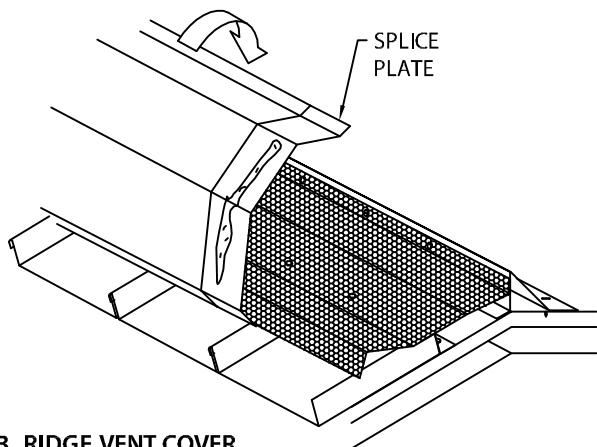
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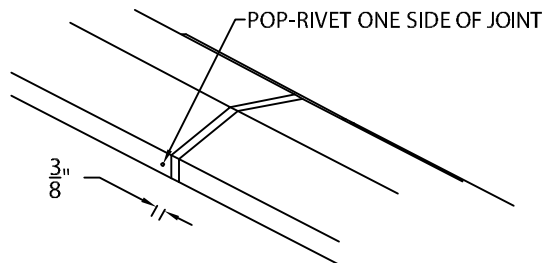
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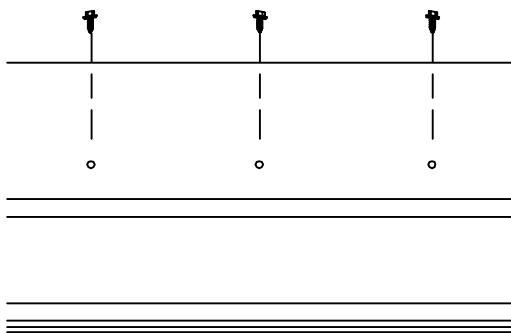
13. RIDGE VENT COVER

HOOK COVER DRIP ONTO EXPANDED METAL SUPPORT SCREEN AND ROTATE INTO PLACE. FIELD CUT WHERE NECESSARY USING A FINE TOOTH HACKSAW OR SNIPS. NOTE: REMOVE PROTECTIVE FILM IMMEDIATELY.



14. POP-RIVET

POP-RIVET SPLICE TO ONE SIDE OF EVERY JOINT TO PREVENT JOINT MIGRATION. CONTINUE INSTALLING COVER WITH A $\frac{3}{8}$ " (10 mm) SPACE AT SPLICE PLATES TO ALLOW FOR THERMAL EXPANSION.



15. COMPLETION

FASTEN COVER TO WATER DAM AT 12" (305 mm) O.C. WITH APPROPRIATE FASTENERS USING PRE-PUNCHED SLOTTED HOLES. NOTE: ONE FASTENER REQUIRED FOR EACH END CAP



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