TABLE OF CONTENTS

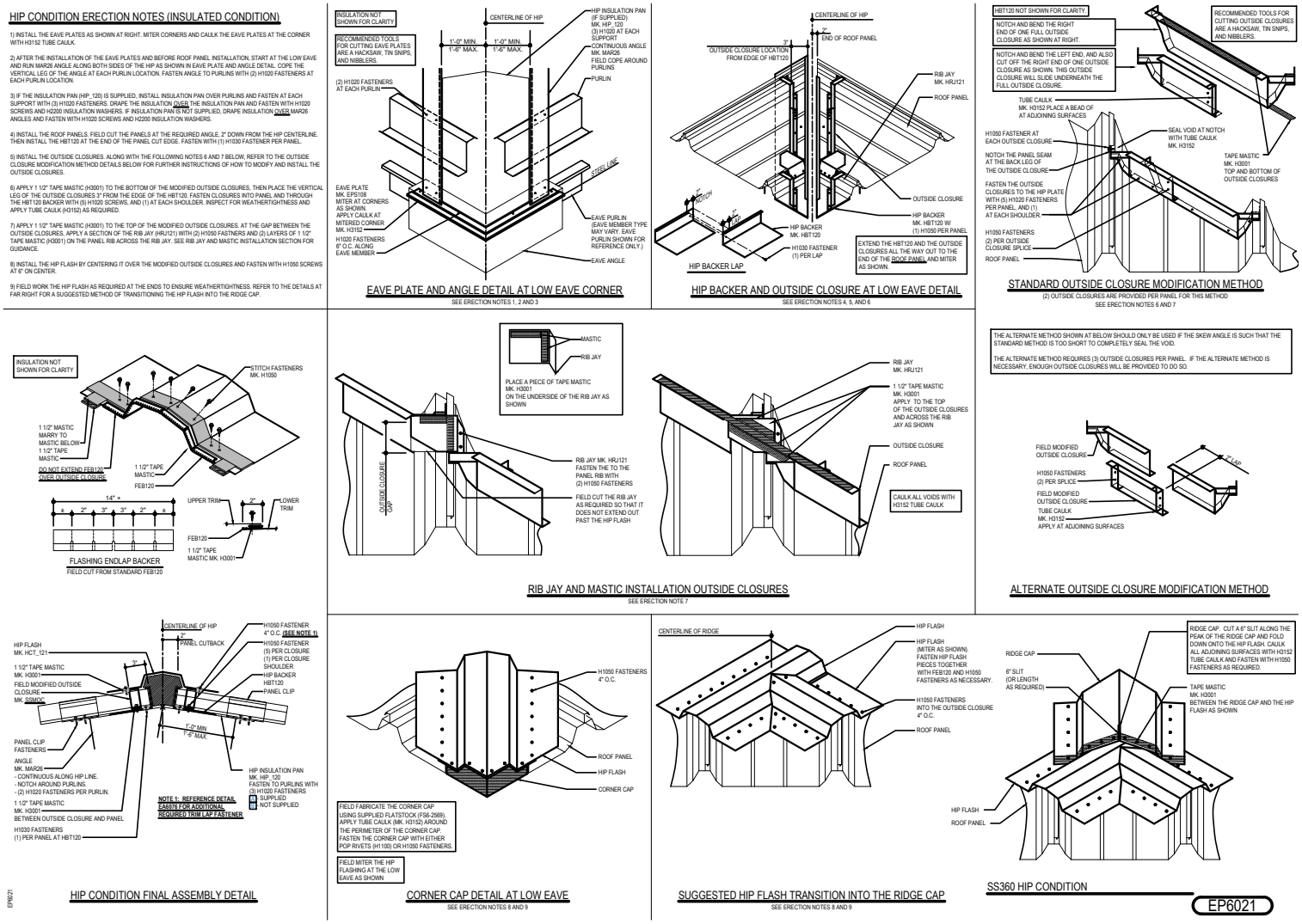
HIP AND VALLEY
EP6021 - SS360 HIP CONDITION
EP6021 - SSII HIP CONDITION
EP6040 - SS360 VALLEY
EP6040 - SSII VALLEY

HIP AND VALLEY

TRAPEZOIDAL SEAM ROOF PANELS

EP6021 - SS360 HIP CONDITION

Download the DWG file by clicking here.



Detailer Notes:

1) N/A

HIP AND VALLEY

TRAPEZOIDAL SEAM ROOF PANELS

EP6021 - SSII HIP CONDITION

Download the DWG file by clicking here.

HIP CONDITION ERECTION NOTES (INSULATED CONDITION)

1) INSTALL THE EAVE PLATES AS SHOWN AT RIGHT. MITER CORNERS AND CAULK THE EAVE PLATES AT THE CORNER WITH H3152 TUBE CAULK.

2) AFTER THE INSTALLATION OF THE EAVE PLATES AND BEFORE ROOF PANEL INSTALLATION, START AT THE LOW EAVE AND RUN MAR26 ANGLE ALONG BOTH SIDES OF THE HIP AS SHOWN IN EAVE PLATE AND ANGLE DETAIL. COPE THE VERTICAL LEG OF THE ANGLE AT EACH PURLIN LOCATION. FASTEN ANGLE TO PURLINS WITH (2) H1020 FASTENERS AT EACH PURLIN LOCATION.

3) IF THE INSULATION PAN (HIP_120) IS SUPPLIED, INSTALL INSULATION PAN OVER PURLINS AND FASTEN AT EACH SUPPORT WITH (3) H1020 FASTENERS. DRAPE THE INSULATION OVER THE INSULATION PAN AND FASTEN WITH H1020 SCREWS AND H2200 INSULATION WASHERS. IF INSULATION PAN IS NOT SUPPLIED, DRAPE INSULATION OVER MAR26 ANGLES AND FASTEN WITH H1020 SCREWS AND H2200 INSULATION WASHERS.

4) INSTALL THE ROOF PANELS. FIELD CUT THE PANELS AT THE REQUIRED ANGLE, 2" DOWN FROM THE HIP CENTERLINE. THEN INSTALL THE HBT120 AT THE END OF THE PANEL CUT EDGE. FASTEN WITH (1) H1030 FASTENER PER PANEL.

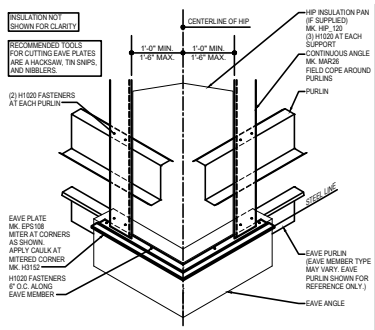
5) INSTALL THE OUTSIDE CLOSURES. ALONG WITH THE FOLLOWING NOTES 6 AND 7 BELOW, REFER TO THE OUTSIDE CLOSURE MODIFICATION METHOD DETAILS BELOW FOR FURTHER INSTRUCTIONS OF HOW TO MODIFY AND INSTALL THE OUTSIDE CLOSURES.

6) APPLY 1 1/2" TAPE MASTIC (H3001) TO THE BOTTOM OF THE MODIFIED OUTSIDE CLOSURES, THEN PLACE THE VERTICAL LEG OF THE OUTSIDE CLOSURES 3" FROM THE EDGE OF THE HBT120. FASTEN CLOSURES INTO PANEL AND THROUGH THE HBT120 BACKER WITH (5) H1020 SCREWS. AND (1) AT EACH SHOULDER. INSPECT FOR WEATHERTIGHTNESS AND APPLY TUBE CAULK (H3152) AS REQUIRED.

7) APPLY 1 1/2" TAPE MASTIC (H3001) TO THE TOP OF THE MODIFIED OUTSIDE CLOSURES. AT THE GAP BETWEEN THE OUTSIDE CLOSURES, APPLY A SECTION OF THE RIB JAY (HRJ121) WITH (2) H1050 FASTNERS AND (2) LAYERS OF 1 1/2" TAPE MASTIC (H3001) ON THE PANEL RIB ACROSS THE RIB JAY. SEE RIB JAY AND MASTIC INSTALLATION SECTION FOR GUIDANCE.

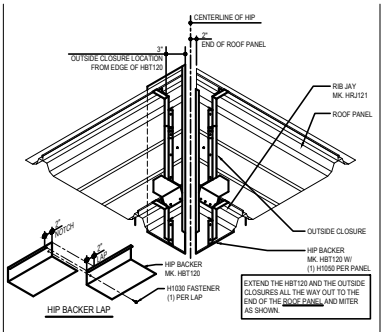
8) INSTALL THE HIP FLASH BY CENTERING IT OVER THE MODIFIED OUTSIDE CLOSURES AND FASTEN WITH H1050 SCREWS AT 6" ON CENTER.

9) FIELD WORK THE HIP FLASH AS REQUIRED AT THE ENDS TO ENSURE WEATHERTIGHTNESS. REFER TO THE DETAILS AT FAR RIGHT FOR A SUGGESTED METHOD OF TRANSITIONING THE HIP FLASH INTO THE RIDGE CAP.



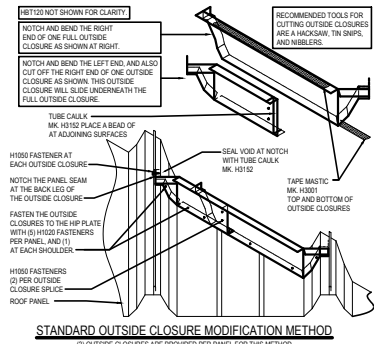
EAVE PLATE AND ANGLE DETAIL AT LOW EAVE CORNER

SEE ERECTION NOTES 1, 2 AND 3



HIP BACKER AND OUTSIDE CLOSURE AT LOW EAVE DETAIL

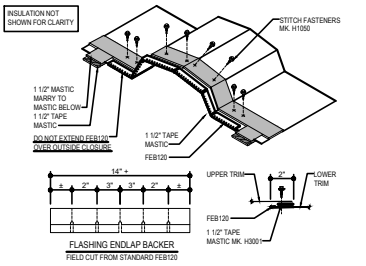
SEE ERECTION NOTES 4, 5, AND 6



STANDARD OUTSIDE CLOSURE MODIFICATION METHOD

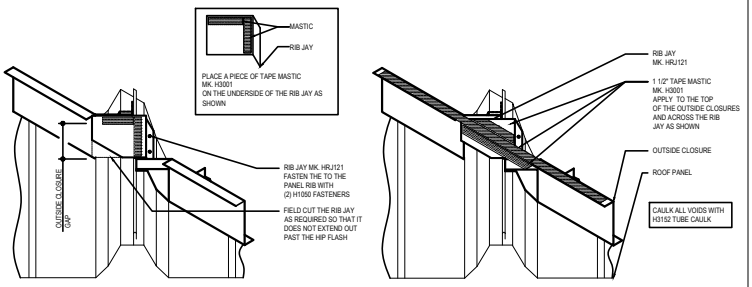
(2) OUTSIDE CLOSURES ARE PROVIDED PER PANEL FOR THIS METHOD

SEE ERECTION NOTES 6 AND 7



FLASHING ENDLAP BACKER

FIELD CUT FROM STANDARD FEB120

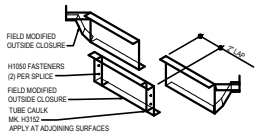


RIB JAY AND MASTIC INSTALLATION OUTSIDE CLOSURES

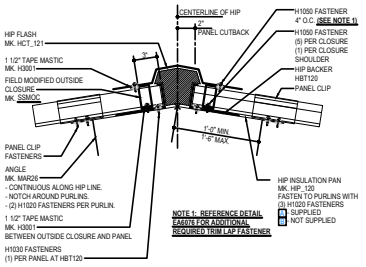
SEE ERECTION NOTE 7

THE ALTERNATE METHOD SHOWN AT BELOW SHOULD ONLY BE USED IF THE SKEW ANGLE IS SUCH THAT THE STANDARD METHOD IS TOO SHORT TO COMPLETELY SEAL THE VOID.

THE ALTERNATE METHOD REQUIRES (3) OUTSIDE CLOSURES PER PANEL. IF THE ALTERNATE METHOD IS NECESSARY, ENOUGH OUTSIDE CLOSURES WILL BE PROVIDED TO DO SO.

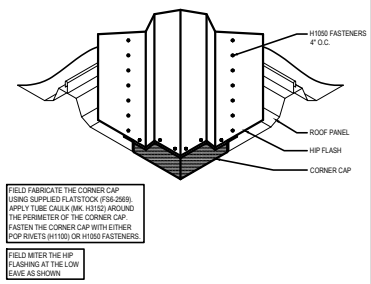


ALTERNATE OUTSIDE CLOSURE MODIFICATION METHOD



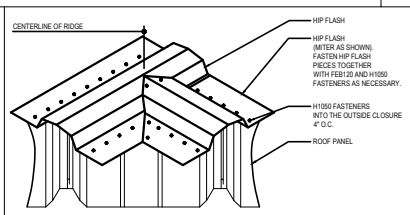
HIP CONDITION FINAL ASSEMBLY DETAIL

EP6021



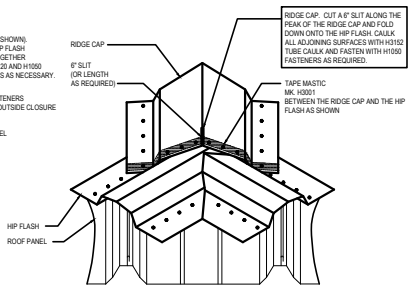
CORNER CAP DETAIL AT LOW EAVE

SEE ERECTION NOTES 8 AND 9



SUGGESTED HIP FLASH TRANSITION INTO THE RIDGE CAP

SEE ERECTION NOTES 8 AND 9



SSII HIP CONDITION

EP6021

Detailer Notes:

1) N/A

NUCOR BUILDINGS GROUP

HIP AND VALLEY

TRAPEZOIDAL SEAM ROOF PANELS

EP6040 - SS360 VALLEY CONDITION

Download the DWG file by clicking here.

VALLEY CONDITION ERECTION NOTES

1) INSTALL THE EAVE ANGLES AND EAVE PLATES AS SHOWN AT RIGHT. CAULK THE EAVE PLATES AT THE CORNER WITH H3152 TUBE CAULK. REFERENCE BASIC INSTALLATION DETAIL FOR FURTHER GUIDANCE.

2) NEXT, IF INSULATION PAN IS SUPPLIED, START AT THE LOW EAVE AND PLACE THE INSULATION PAN IN THE VALLEY AND FASTEN WITH (1) H1020 FASTENER AT EACH PURLIN. FIELD MITER THE INSULATION PAN AT THE EAVE PLATE. LAP THE INSULATION PANS 2" AND FASTEN WITH (4) H1020 FASTENERS.

3) INSTALL THE INSULATION OVER THE INSULATION PAN. IF NO INSULATION PAN, INSTALL INSULATION DIRECTLY OVER PURLINS. EITHER CASE, FASTEN WITH H1020 FASTENERS AND H2200 INSULATION WASHERS AS REQUIRED.

4) NEXT, START AT THE LOW EAVE AND PLACE THE HAT CHANNEL SECTIONS ON BOTH SIDES OF THE VALLEY, 1'-8" FROM THE CENTERLINE OF VALLEY, AS SHOWN. FASTEN TO EACH PURLIN WITH (2) H1020 FASTENERS.

5) CENTER THE VALLEY PLATE OVER THE HAT SECTIONS. AT THE EAVE & RIDGE, EXTEND THE PLATE TO THE EDGE OF THE ROOF PANEL, FIELD CUTTING AS REQUIRED. FASTEN VALLEY PLATE TO HAT CHANNEL INSIDE PANEL RIB WITH (1) H1020 FASTENER AS SHOWN. LAP THE VALLEY PLATE 2" & FASTEN WITH (2) H1020 FASTENERS.

6) PLACE THE DIVERTER FLASH OVER THE VALLEY PLATE AND TEMPORARILY FASTEN WITH (1) H1020 FASTENER AT THE OUTSIDE CORNERS OF THE VALLEY PLATE. DO NOT USE THE VALLEY AS A WALKWAY OR A WORK PLATFORM.

7) INSTALL 2 1/4" TAPE MASTIC (H3020) ON THE DIVERTER FLASH 7 1/2" FROM THE CENTER OF THE VALLEY AS SHOWN. DO NOT REMOVE PAPER BACKING UNTIL READY TO SET PANEL. ALSO APPLY A BEAD OF BUTYL TUBE CAULK (H3151) FOR THE FLAT OF THE PANEL UPSLOPE OF THE TAPE MASTIC. PLACE ADDITIONAL 12" PIECE OF MASTIC AT CLOSURE LOCATION.

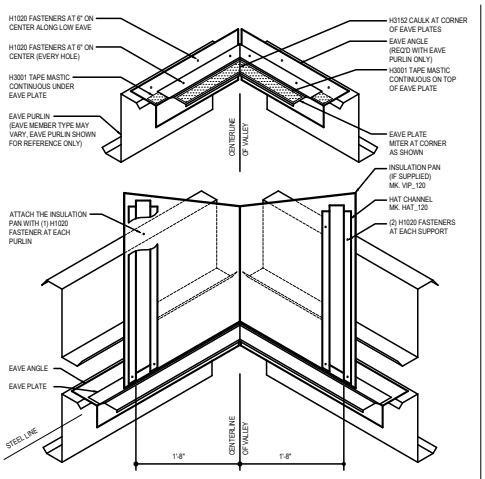
8) INSTALL THE ROOF PANELS - CUTTING ENDS AT THE REQUIRED ANGLE. CUT PANELS 7" FROM THE CENTER OF THE VALLEY PLATE. (NOTE: KEEP METAL SHAVINGS OUT OF MASTIC AND CAULK.) REMOVE TEMPORARY DIVERTER FASTENER IF NEEDED.

9) INSTALL THE METAL VOID CLOSURE.
-AS THE PANELS ARE BEING INSTALLED, REMOVE THE PAPER BACKING FROM THE 2 1/4" TAPE MASTIC AND SEAT THE VOID CLOSURE IN THE MASTIC PERPENDICULAR TO THE PANEL PANEL RIB AND FASTEN WITH TWO H1020 FASTENERS.
-APPLY 3/4" TAPE PAD (H3640) AND A BEAD OF TUBE CAULK (H3151) ON THE CLOSURE. SEE DETAIL BELOW.

10) BEFORE THE NEXT PANEL IS INSTALLED, APPLY A BEAD OF TUBE CAULK (H3151) TO THE MALE SIDE OF THE PANEL FROM THE LOW END OF THE PANEL UP 6" TO ENSURE WEATHERTIGHTNESS, AS SHOWN IN THE CAULK DETAIL.

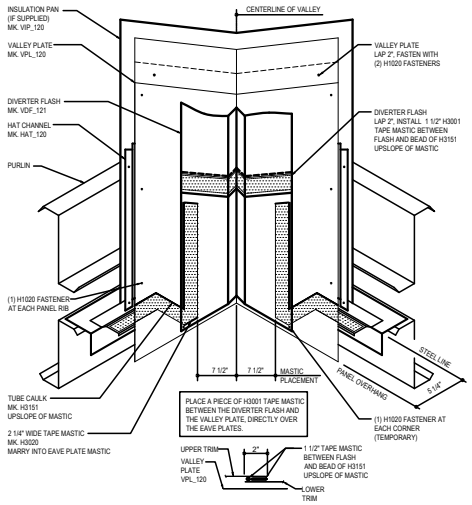
11) FASTEN PANELS WITH H1030 FASTENERS 2 1/2" O.C. OVER THE TAPE MASTIC (H3020), (8 1/4" FROM THE CENTER OF THE DIVERTER FLASH TO THE CENTER OF THE FASTENERS). TAKE SPECIAL CARE AT THIS POINT TO MAINTAIN PANEL MODULARITY.

12) FIELD WORK THE HIGH AND LOW ENDS OF THE VALLEY AS REQUIRED TO ENSURE WEATHERTIGHTNESS.



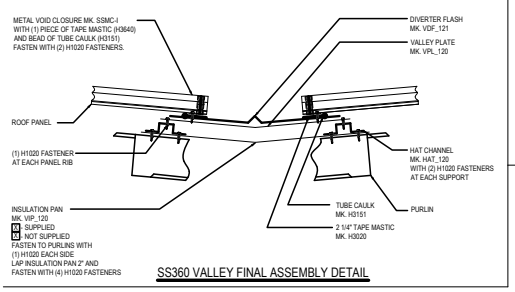
INSULATION PAN, EAVE PLATE, AND HAT CHANNEL DETAIL AT LOW EAVE CORNER

SEE ERECTION NOTES 1, 2, 3 AND 4

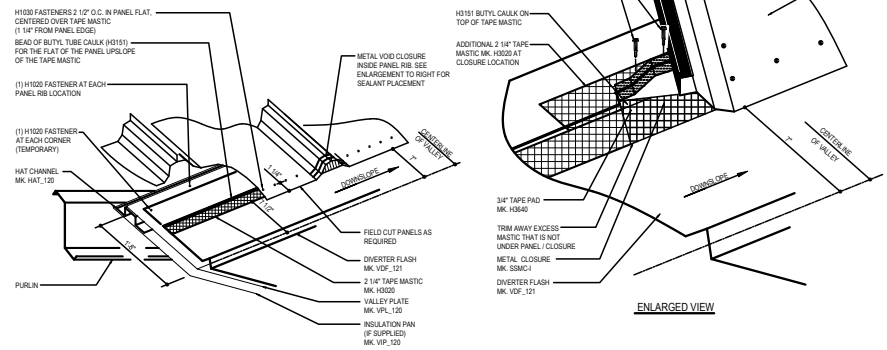


VALLEY PLATE AND DIVERTER FLASH DETAIL AT LOW EAVE CORNER

SEE ERECTION NOTES 5, 6 AND 7



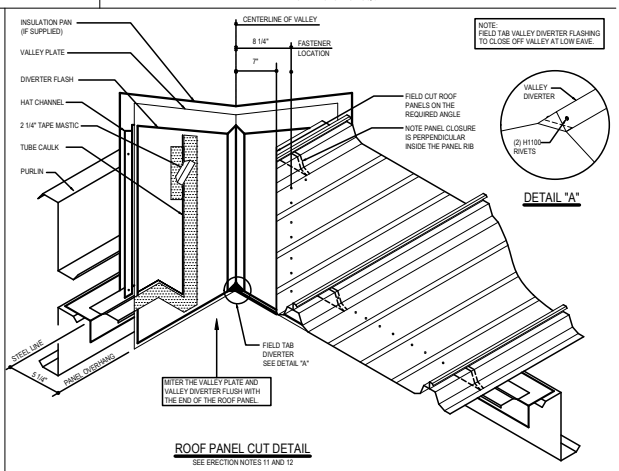
SS360 VALLEY FINAL ASSEMBLY DETAIL



MASTIC AND VOID CLOSURE DETAIL AT VALLEY

SEE ERECTION NOTES 8, 9, 10, AND 11

ENLARGED VIEW



ROOF PANEL CUT DETAIL

SEE ERECTION NOTES 11 AND 12

SS360 VALLEY CONDITION

EP6040

Detailer Notes:

1) N/A

EP6040 - SSII VALLEY CONDITION

Download the DWG file by clicking here.

VALLEY CONDITION ERECTION NOTES

1) INSTALL THE EAVE ANGLES AND EAVE PLATES AS SHOWN AT RIGHT. CAULK THE EAVE PLATES AT THE CORNER WITH H3152 TUBE CAULK. REFERENCE BASIC INSTALLATION DETAIL FOR FURTHER GUIDANCE.

2) NEXT, IF INSULATION PAN IS SUPPLIED, START AT THE LOW EAVE AND PLACE THE INSULATION PAN IN THE VALLEY AND FASTEN WITH (1) H1020 FASTENER AT EACH PURLIN. FIELD MITER THE INSULATION PAN AT THE EAVE PLATE. LAP THE INSULATION PANS 2" AND FASTEN WITH (4) H1020 FASTENERS.

3) INSTALL THE INSULATION OVER THE INSULATION PAN. IF NO INSULATION PAN, INSTALL INSULATION DIRECTLY OVER PURLINS. EITHER CASE, FASTEN WITH H1020 FASTENERS AND H2200 INSULATION WASHERS AS REQUIRED.

4) NEXT, START AT THE LOW EAVE AND PLACE THE HAT CHANNEL SECTIONS ON BOTH SIDES OF THE VALLEY, 1'-8" FROM THE CENTERLINE OF VALLEY, AS SHOWN. FASTEN TO EACH PURLIN WITH (2) H1020 FASTENERS.

5) CENTER THE VALLEY PLATE OVER THE HAT SECTIONS. AT THE EAVE & RIDGE, EXTEND THE PLATE TO THE EDGE OF THE ROOF PANEL, FIELD CUTTING AS REQUIRED. FASTEN VALLEY PLATE TO HAT CHANNEL INSIDE PANEL RIB WITH (1) H1020 FASTENER AS SHOWN. LAP THE VALLEY PLATE 2" & FASTEN WITH (2) H1020 FASTENERS.

6) PLACE THE DIVERTER FLASH OVER THE VALLEY PLATE AND TEMPORARILY FASTEN WITH (1) H1020 FASTENER AT THE OUTSIDE CORNERS OF THE VALLEY PLATE. DO NOT USE THE VALLEY AS A WALKWAY OR A WORK PLATFORM).

7) INSTALL 2 1/4" TAPE MASTIC (H3020) ON THE DIVERTER FLASH 7 1/2" FROM THE CENTER OF THE VALLEY AS SHOWN. DO NOT REMOVE PAPER BACKING UNTIL READY TO SET PANEL. ALSO APPLY A BEAD OF BUTYL TUBE CAULK (H3151) FOR THE FLAT OF THE PANEL UPSLOPE OF THE TAPE MASTIC. PLACE ADDITIONAL 12" PIECE OF MASTIC AT CLOSURE LOCATION.

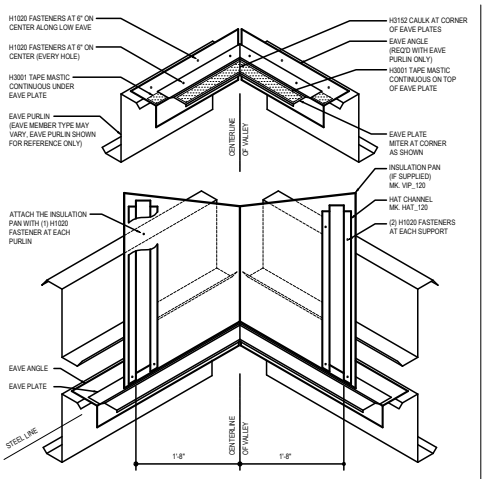
8) INSTALL THE ROOF PANELS - CUTTING ENDS AT THE REQUIRED ANGLE. CUT PANELS 7" FROM THE CENTER OF THE VALLEY PLATE. (NOTE: KEEP METAL SHAVINGS OUT OF MASTIC AND CAULK.) REMOVE TEMPORARY DIVERTER FASTENER IF NEEDED.

9) INSTALL THE METAL VOID CLOSURE.
AS THE PANELS ARE BEING INSTALLED, REMOVE THE PAPER BACKING FROM THE 2 1/4" TAPE MASTIC AND SEAT THE VOID CLOSURE IN THE MASTIC PERPENDICULAR TO THE PANEL PANEL RIB AND FASTEN WITH TWO H1020 FASTENERS.
-APPLY 3/4" TAPE MASTIC (H3640), AND A BEAD OF TUBE CAULK (H3151) ON THE CLOSURE. SEE DETAIL BELOW.

10) BEFORE THE NEXT PANEL IS INSTALLED, APPLY A BEAD OF TUBE CAULK (H3151) TO THE MALE SIDE OF THE PANEL FROM THE LOW END OF THE PANEL UP 6" TO ENSURE WEATHERTIGHTNESS, AS SHOWN IN THE CAULK DETAIL.

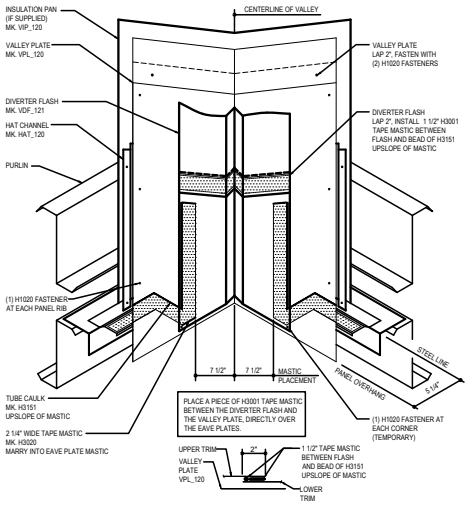
11) FASTEN PANELS WITH H1030 FASTENERS 2 1/2" O.C. OVER THE TAPE MASTIC (H3020), (8 1/4" FROM THE CENTER OF THE DIVERTER FLASH TO THE CENTER OF THE FASTENERS). TAKE SPECIAL CARE AT THIS POINT TO MAINTAIN PANEL MODULARITY.

12) FIELD WORK THE HIGH AND LOW ENDS OF THE VALLEY AS REQUIRED TO ENSURE WEATHERTIGHTNESS.



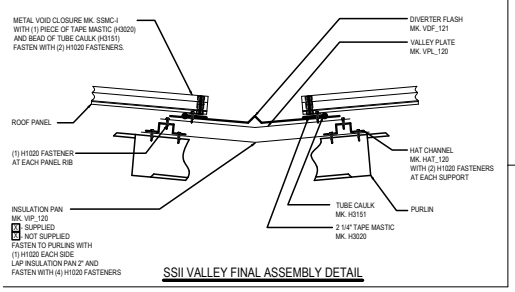
INSULATION PAN, EAVE PLATE, AND HAT CHANNEL DETAIL AT LOW EAVE CORNER

SEE ERECTION NOTES 1, 2, 3 AND 4

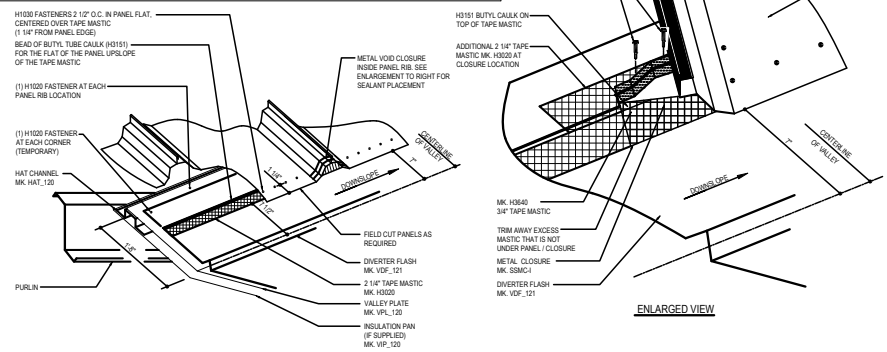


VALLEY PLATE AND DIVERTER FLASH DETAIL AT LOW EAVE CORNER

SEE ERECTION NOTES 5, 6 AND 7

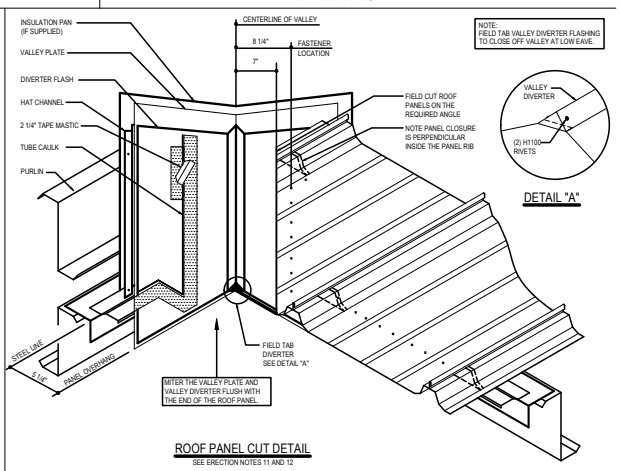


SSII VALLEY FINAL ASSEMBLY DETAIL



MASTIC AND VOID CLOSURE DETAIL AT VALLEY

SEE ERECTION NOTES 8, 9, 10, AND 11



ROOF PANEL CUT DETAIL

SEE ERECTION NOTES 11 AND 12

SSII VALLEY CONDITION

EP6040

Detailer Notes:

1) N/A