



- ## GENERAL NOTES

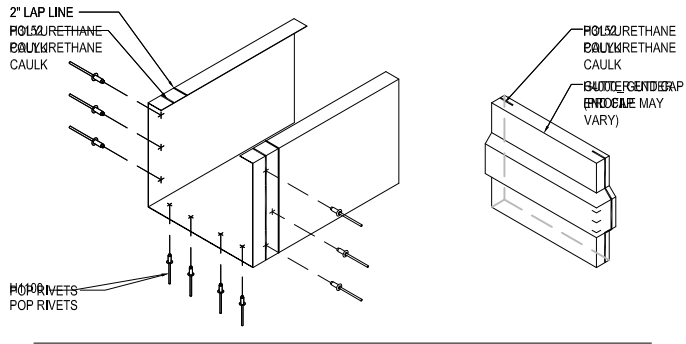
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- A circular professional engineer seal for the State of Florida. The outer ring contains the text "BALA SOCKALINGAM" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside this ring, the word "LICENSE" is at the top, "No. 62240" is in the center, and "STATE OF FLORIDA" is at the bottom, also separated by two stars. The seal has a decorative border of small dashes.

R-PANEL CROSS-SECTION

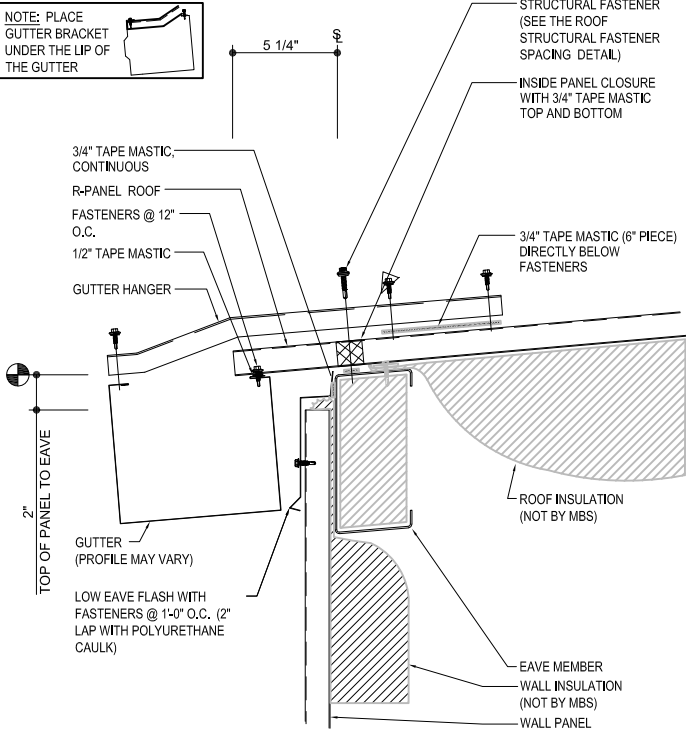
MAXIMUM PANEL SPAN	MAXIMUM UPLIFT PRESSURE (Psf)
5'-0"	63.7
4'-6"	75.1
4'-0"	84.5
3'-6"	96.6
3'-0"	112.7
2'-6"	135.2
2'-0"	169.0

SCALE: NOT TO SCALE		DATE	ENGINEER'S NAME:
DRAWN BY: BSS	12-09-24		BALA SOCKALINGAM Ph.D., P.E.
CHECKED BY: SLF	12-09-24		
DESIGN APP'D. BY:			
ISSUED DATE:			ENGINEER'S STATE REGISTRATION NUMBER:
			FL 62240
KIRBY BUILDING		124 KIRBY DRIVE. PORTLAND, TN	
SYSTEMS		37148 PHONE: (615) 745-6007	
DRAWING #: D2859		Pg. 1 of 5	REVISION NUMBER
			0

APPLY BEAD OF POLYURETHANE CAULK 1" FROM END OF TRIM AND LAP SECTIONS 2" AND FASTEN AS SHOWN. TO TERMINATE THE GUTTER APPLY POLYURETHANE CAULK TO THREE SIDES OF END CAP AND TOP RETURN AREA AS SHOWN AND INSERT INTO THE GUTTER LEAVING 1/2" EXPOSED. ATTACH WITH RIVETS SAME AS END LAP.

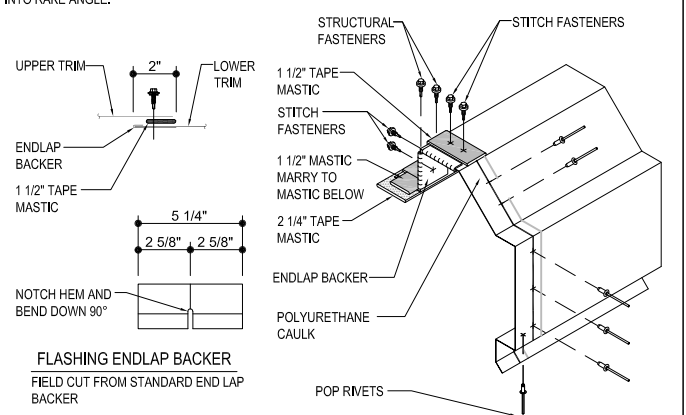


NOTE: PLACE
GUTTER BRAC
UNDER THE L
THE GUTTER



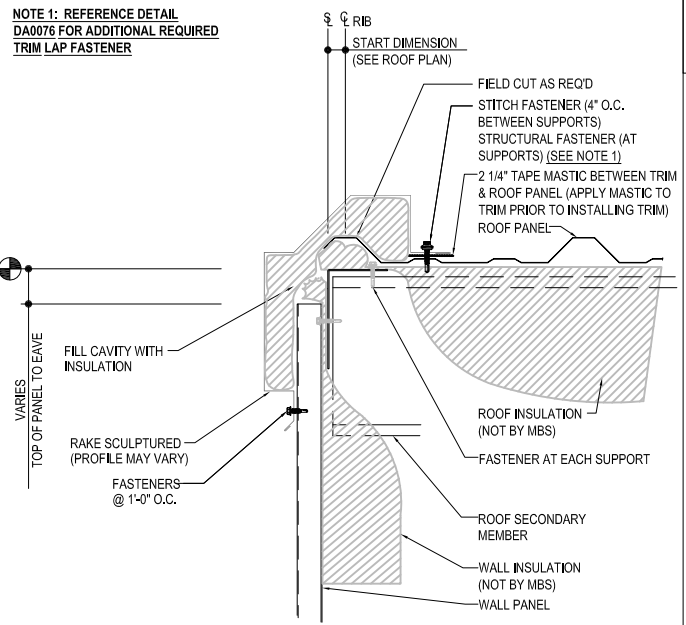
EAVE GUTTER DETAIL w/ WALL PANELS
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

SLIDE FIELD CUT SECTION OF FLASHING ENLAP BACKER ONTO THE LOWER TRIM PIECE AS SHOWN BELOW. PLACE TAPE MASTIC NEXT TO HEM OF THE BACKER (NOT ON TOP OF HEM). APPLY CONTINUOUS BEAD OF CAULK 1" FROM END OF TRIM DOWN PROFILE OF TRIM. FASTEN LAP WITH STITCH FASTENERS AND POP RIVETS AS SHOWN. ROOF STRUCTURAL FASTENERS SHOULD BE USED TO FASTEN THROUGH PANEL FLAT INTO RAKE ANGLE.



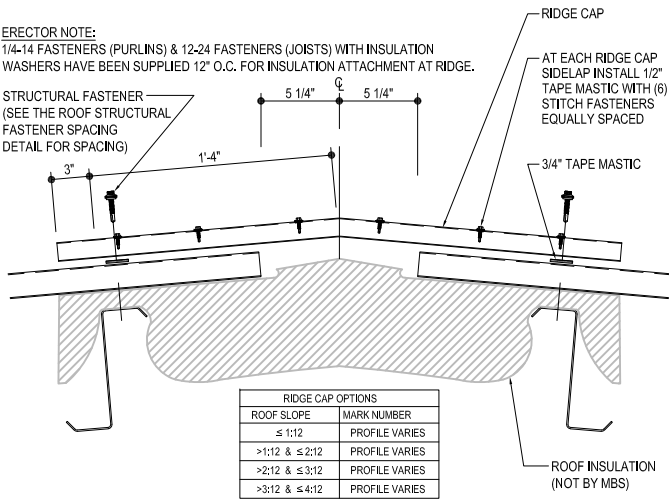
FLASHING ENDLAP BACKER
FIELD CUT FROM STANDARD END LAP
BACKER

**NOTE 1: REFERENCE DETAIL
DA0076 FOR ADDITIONAL REQUIRED
TRIM LAP FASTENER**



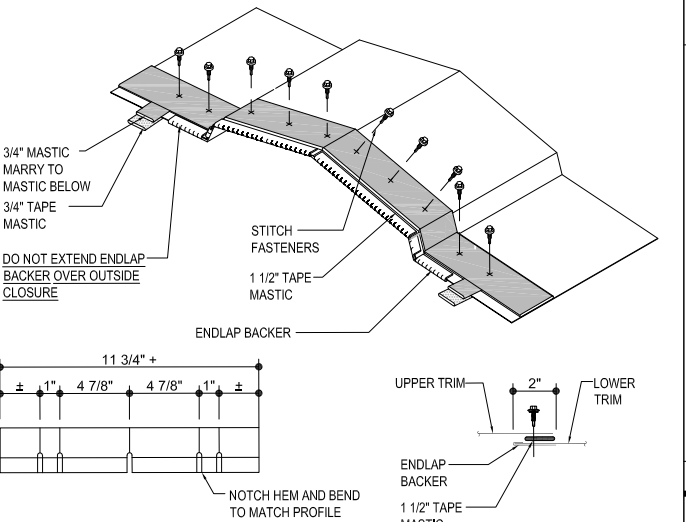
R-Panel ROOF w/ SCULPTURED RAKE DETAIL w/ WALL PANELS SEE WALL SHEETING
ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

ERECTOR NOTE:
1/4-14 FASTENERS (PURLINS) & 12-24 FASTENERS (JOISTS) WITH INSULATION
WASHERS HAVE BEEN SUPPLIED 12" O.C. FOR INSULATION ATTACHMENT AT RIDGE.



R-Panel ROOF
WITH $\leq 60^{\circ}$ -0" PANEL RUN AND $\leq 4:12$ ROOF SLOPE

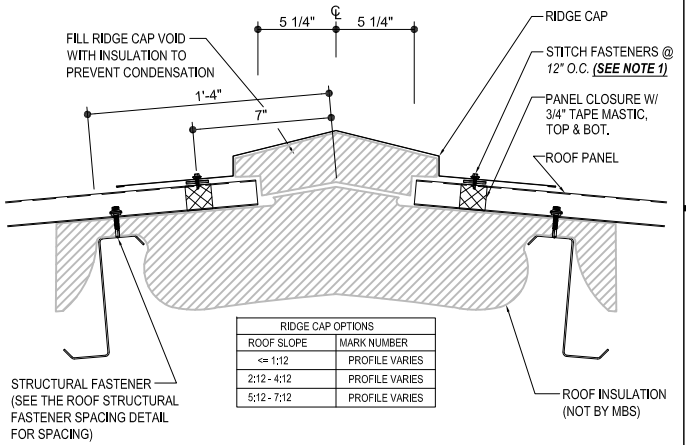
SLIDE FIELD CUT SECTION FLASHING ENDLAP BACKER ONTO THE LOWER TRIM PIECE. PLACE TAPE MASTIC NEXT TO HEM OF THE BACKER (NOT ON TOP OF HEM). MARRY LAP MASTIC WITH MASTIC BETWEEN RIDGE CAP AND PANEL CLOSURE.



FIELD CUT FROM STANDARD END LAP BACKER

ERECTOR NOTE:
1/4-14 FASTENERS (PURLINS) & 12-24 FASTENERS (JOISTS) WITH INSULATION
WASHERS HAVE BEEN SUPPLIED 12" O.C. FOR INSULATION ATTACHMENT AT RIDGE.

**NOTE 1: REFERENCE DETAIL
DA0076 FOR ADDITIONAL
REQUIRED TRIM LAP FASTENER**



R-Panel ROOF WITH > 60'-0" PANEL RUN AND/OR > 4:12 ROOF SLOPE

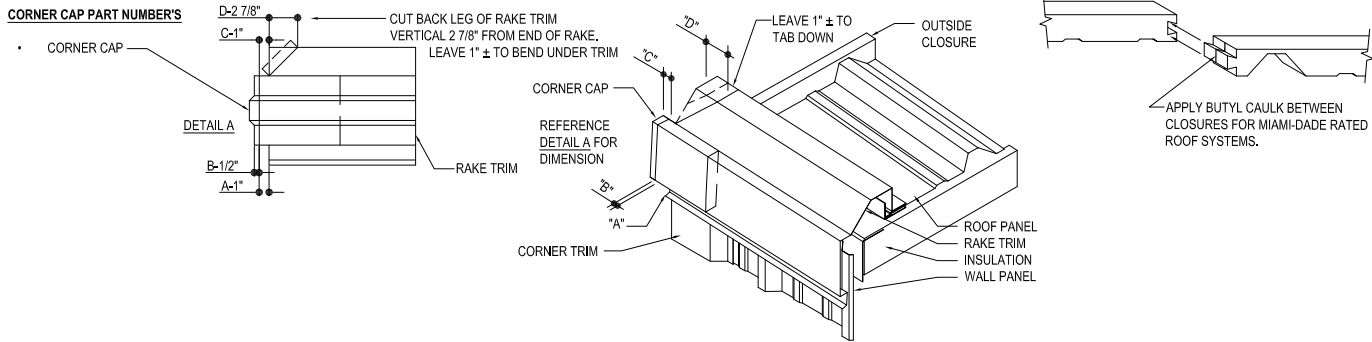
SCALE: NOT TO SCALE		DATE	ENGINEER'S NAME: BALA SOCKALINGAM Ph.D., P.E.	
DRAWN BY: BSS		12-09-24	ENGINEER'S STATE REGISTRATION NUMBER: FL 62240	
CHECKED BY: SLF		12-09-24		
DESIGN APP'D. BY:				
ISSUED DATE:				
KIRBY BUILDING SYSTEMS		124 KIRBY DRIVE. PORTLAND, TN 37148 PHONE: (615) 745-6007		
DRAWING #: D2859		Pg. 3 of 5	REVISION NUMBER 0	

SCULPTURED HIGH EAVE TO RAKE TRANSITION

RAKE TRIM PREPARATION FOR SCULPTURED HIGH EAVE TRIM INSTALLATION
STEP 1

EXTEND THE RAKE TRIM DIMENSION VARIES PAST THE OUTSIDE FACE OF THE WALL CORNER TRIM. FIELD COPE THE VERTICAL LEG OF THE RAKE TRIM FLUSH TO THE OUTSIDE FACE OF THE WALL CORNER TRIM.

FIELD COPE THE UPPER SECTION OF THE RAKE TRIM BACK AS SHOWN. COPE THE "SLOPED" FACE OF THE RAKE TRIM BACK AT AN ANGLE AS SHOWN BEFORE INSTALLING THE HIGH EAVE TRIM, **APPLY POLYURETHANE TUBE CAULK** AROUND THE **PERIMETER OF THE CORNER CAP (MK. VARIES)**. SLIDE THE CAP INTO THE END OF THE STANDARD RAKE TRIM, LEAVING 1/2" EXPOSED AS SHOWN BELOW.



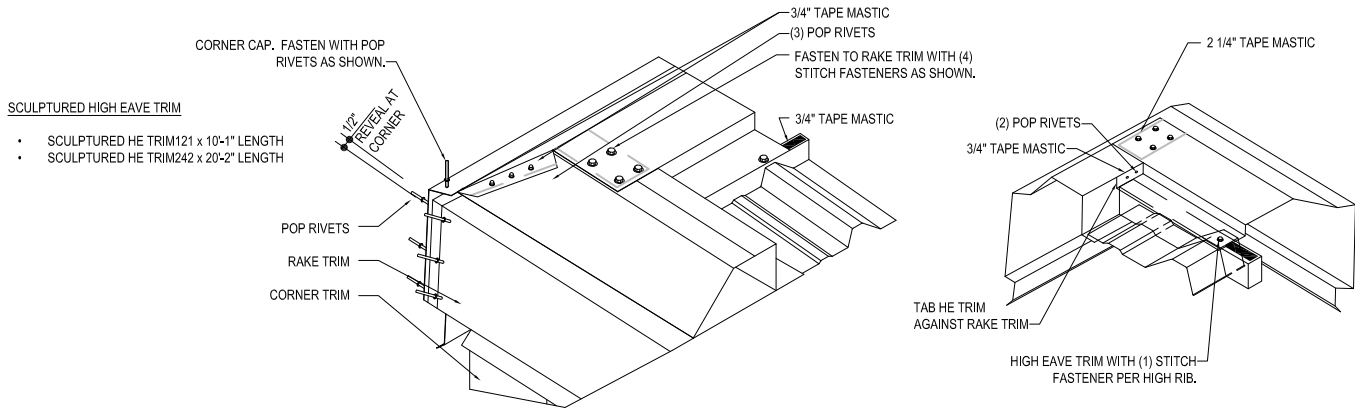
SCULPTURED HIGH EAVE TRIM INSTALLATION
STEP 2

FIELD CUT AN OUTSIDE CLOSURE LONG ENOUGH TO REACH BACK OF RAKE TRIM. APPLY 3/4" TAPE MASTIC CONTINUOUSLY ACROSS THE TOP AND BOTTOM OF THE CLOSURES.

LAY THE **HIGH EAVE TRIM** OVER THE OUTSIDE CLOSURE AND FASTEN WITH (4) TRIM-COLORED SELF-DRILLING SCREWS. **NOTE: THE HIGH EAVE TRIM MUST BE PROPERLY POSITIONED BEFORE TOUCHING THE MASTIC. REMOVE THE PAPER BACKING ONLY AS WORK PROGRESSES.**

FIELD COPE THE HIGH EAVE TRIM SIMILAR TO THE RAKE TRIM EXCEPT DO NOT CUT THE SLOPED FACE. INSTEAD, FOLD THE SLOPED FACE OVER THE SLOPED FACE OF THE RAKE TRIM. APPLY 2 1/4" TAPE MASTIC TO FLAT PORTION OF RAKE TRIM. APPLY 3/4" TAPE MASTIC TO SLOPING EDGE OF TRIM. MAKE SURE MASTIC SEALS AT ALL LOCATIONS OF TRIM INTERSECTIONS AND FASTEN WITH (3) **POP RIVETS**.

FASTEN THE HIGH EAVE TRIM AND THE RAKE TRIM TO THE CORNER CAP WITH **POP RIVETS** FASTEN THE TOP LEG OF THE HIGH EAVE TRIM WITH (4) **TRIM- COLORED SELF DRILLING SCREWS**.

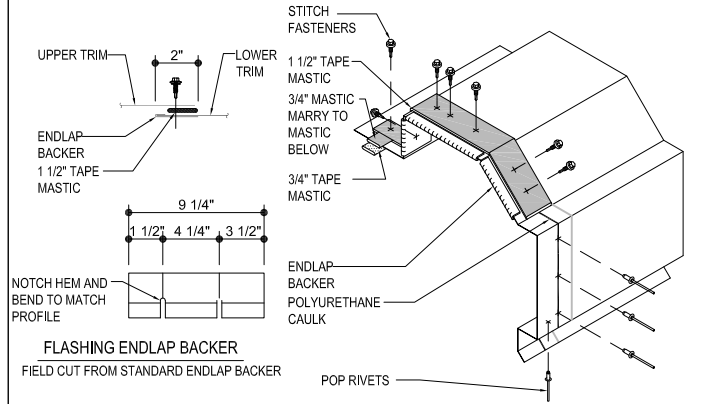


SCULPTURED HIGH EAVE AND RAKE INSTALLATION

DETAIL SHOWN WITH ROOF AND WALL PANEL.

HIGH EAVE LAP & FLASHING BACKER

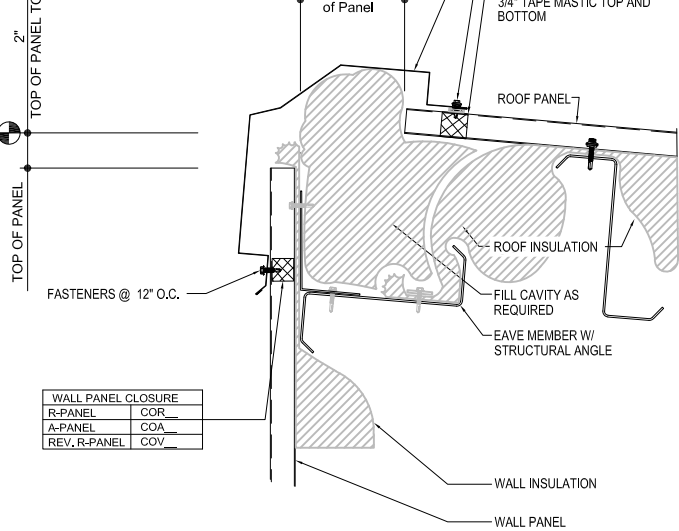
SLIDE FIELD CUT SECTION FLASHING ENDLAP BACKER ONTO THE LOWER TRIM PIECE. PLACE TAPE MASTIC NEXT TO HEM OF THE BACKER (NOT ON TOP OF HEM). APPLY CONTINUOUS BEAD OF CAULK 1" FROM END OF TRIM DOWN PROFILE OF TRIM. FASTEN LAP WITH STITCH FASTENERS AND POP RIVETS AS SHOWN.



ERECTOR NOTE:

1/4 - 14 FASTENERS (PURLINS) & 12-24 FASTENERS (JOISTS) WITH INSULATION WASHERS HAVE BEEN SUPPLIED 12" O.C. FOR INSULATION ATTACHMENT AT RIDGE.

NOTE 1: REFERENCE DETAIL DA0076 FOR ADDITIONAL REQUIRED TRIM LAP FASTENER



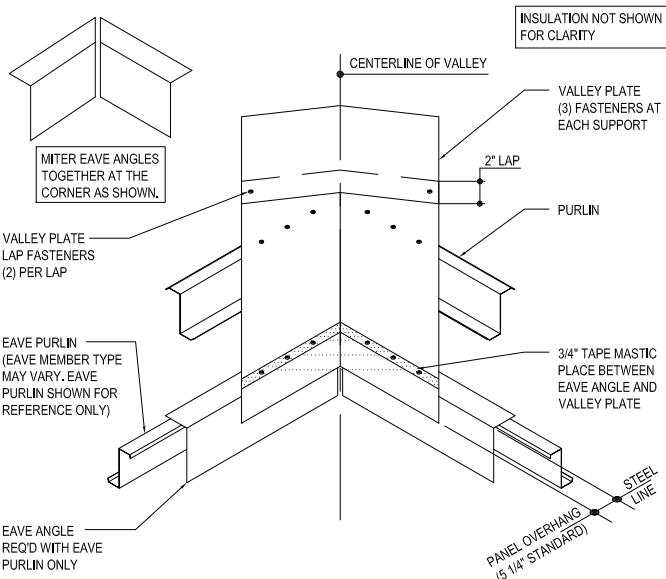
HIGH EAVE SCULPTURED DETAIL

HIGH EAVE SCULPTURED DETAIL w/ R-Panel ROOF & WALL PANELS
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

SCALE: NOT TO SCALE	DATE	ENGINEER'S NAME:		ENGINEER'S STATE REGISTRATION NUMBER:	REVISION NUMBER
		NO.	REVISION	MADE	CK'D.
DRAWN BY: BSS	12-09-24				
CHECKED BY: SLF	12-09-24				
DESIGN APP'D. BY:					
ISSUED DATE:					
KIRBY BUILDING SYSTEMS					
124 KIRBY DRIVE. PORTLAND, TN 37148 PHONE: (615) 745-6007					
DRAWING #: D2859 Pg. 4 of 5					
R-PANEL					

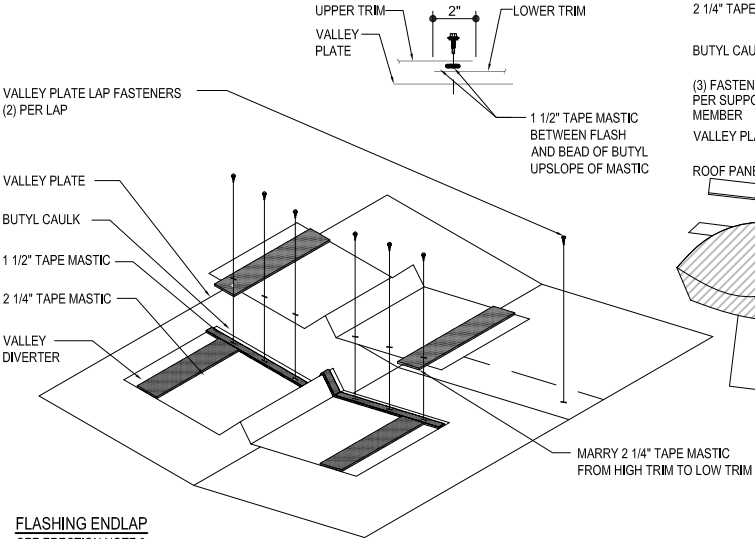
VALLEY CONDITION ERECTION NOTES:

- 1) IF BUILDING HAS INSULATION, INSTALL THE INSULATION AFTER THE PURLINS HAVE BEEN INSTALLED AT THE VALLEY. FASTEN THE INSULATION TO ALL PURLINS WITH FASTENERS AND INSULATION WASHERS.
- 2) AFTER INSTALLATION OF THE PURLINS AND THE INSULATION, INSTALL THE VALLEY PLATE ABOVE THE INSULATION. IF BUILDING DOES NOT HAVE INSULATION, SIMPLY PLACE THE VALLEY PLATE ON TOP OF THE PURLINS. NOTCH THE FIRST PIECE OF THE VALLEY PLATE AT EAVE AS REQUIRED. EXTEND THE VALLEY PLATE TO LINE UP WITH THE PANEL OVERHANG OF 5 1/4". FASTEN AT EACH SECONDARY MEMBER WITH (3) FASTENERS. LAP THE VALLEY PLATE 2" AND FASTEN WITH (2) FASTENERS.
- 3) PLACE DIVERTER FLASH OVER THE VALLEY PLATE AND TEMPORARILY FASTEN WITH (1) AT OUTSIDE CORNERS OF THE VALLEY PLATE. (DO NOT USE THE VALLEY AS A WALKWAY OR A WORK PLATFORM). LAP DIVERTER FLASH 2" AND INSTALL TAPE MASTIC BETWEEN THE LAPS AND A BEAD OF UPSLOPE OF MASTIC.
- 4) INSTALL 2 1/4" TAPE MASTIC ON THE DIVERTER FLASH 7 1/2" FROM THE CENTERLINE OF THE VALLEY (AS SHOWN). ALSO APPLY A BEAD OF TUBE CAULK ALONG THE UPHILL SIDE OF THE TAPE MASTIC.
- 5) INSTALL THE ROOF PANELS, CUTTING ENDS AT THE REQUIRED ANGLE. CUT THE PANELS 7" FROM THE CENTERLINE OF THE VALLEY. (NOTE: KEEP METAL SHAVINGS OUT OF THE TAPE MASTIC). INSTALL FASTENERS 3" O.C. BETWEEN EACH MAJOR RIB, CENTERED OVER THE 2 1/4" TAPE MASTIC AS SHOWN.
- 6) TO ENSURE A WEATHERTIGHT SEAL AROUND THE RIB COVER, PLACE 2 1/4" TAPE MASTIC AROUND THE PANEL RIB ON TOP OF VALLEY DIVERTER AS DIMENSIONS SHOW IN ENLARGED VIEW. PLACE A BEAD OF BUTYL CAULK ALONG PANEL SIDELAP AT ALL RIB COVER LOCATIONS. COVER RIB AREA WITH 2 1/4" TAPE MASTIC. INSTALL RIB COVER WITH FASTENERS AT DIMPLE LOCATIONS ON RIB COVER.
- 7) ONCE MASTIC, RIB COVER AND FASTENERS ARE INSTALLED TRIM EXCESS MASTIC AND BUTYL AWAY FROM RIB COVER.
- 8) FIELD WORK THE HIGH AND LOW ENDS OF THE VALLEY AS REQUIRED TO ENSURE WEATHERTIGHTNESS.

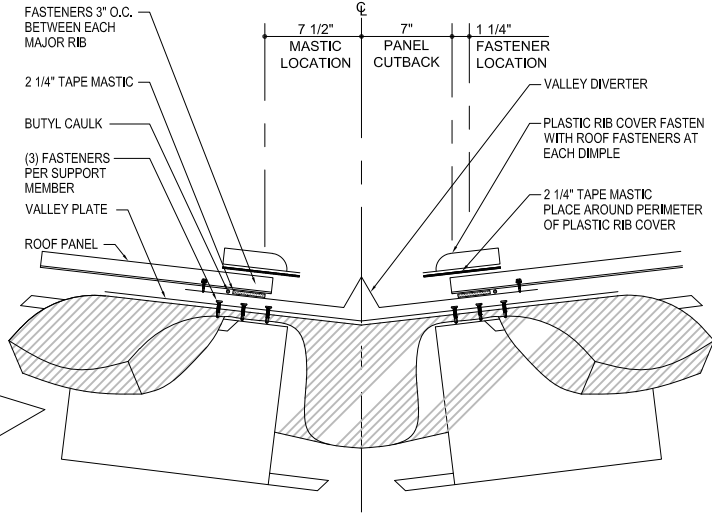


VALLEY PLATE DETAIL AT LOW EAVE CORNER
SEE ERECTION NOTES 1 AND 2

ERECTOR NOTE:
FASTENERS (PURLINS) WITH INSULATION WASHERS HAVE BEEN SUPPLIED FOR INSULATION ATTACHMENT AT VALLEY.



FLASHING ENDLAP
SEE ERECTION NOTE 3

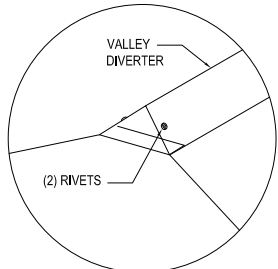


R-PANEL VALLEY CONDITION FINAL ASSEMBLY DETAIL
SEE ERECTION NOTES 3 AND 4

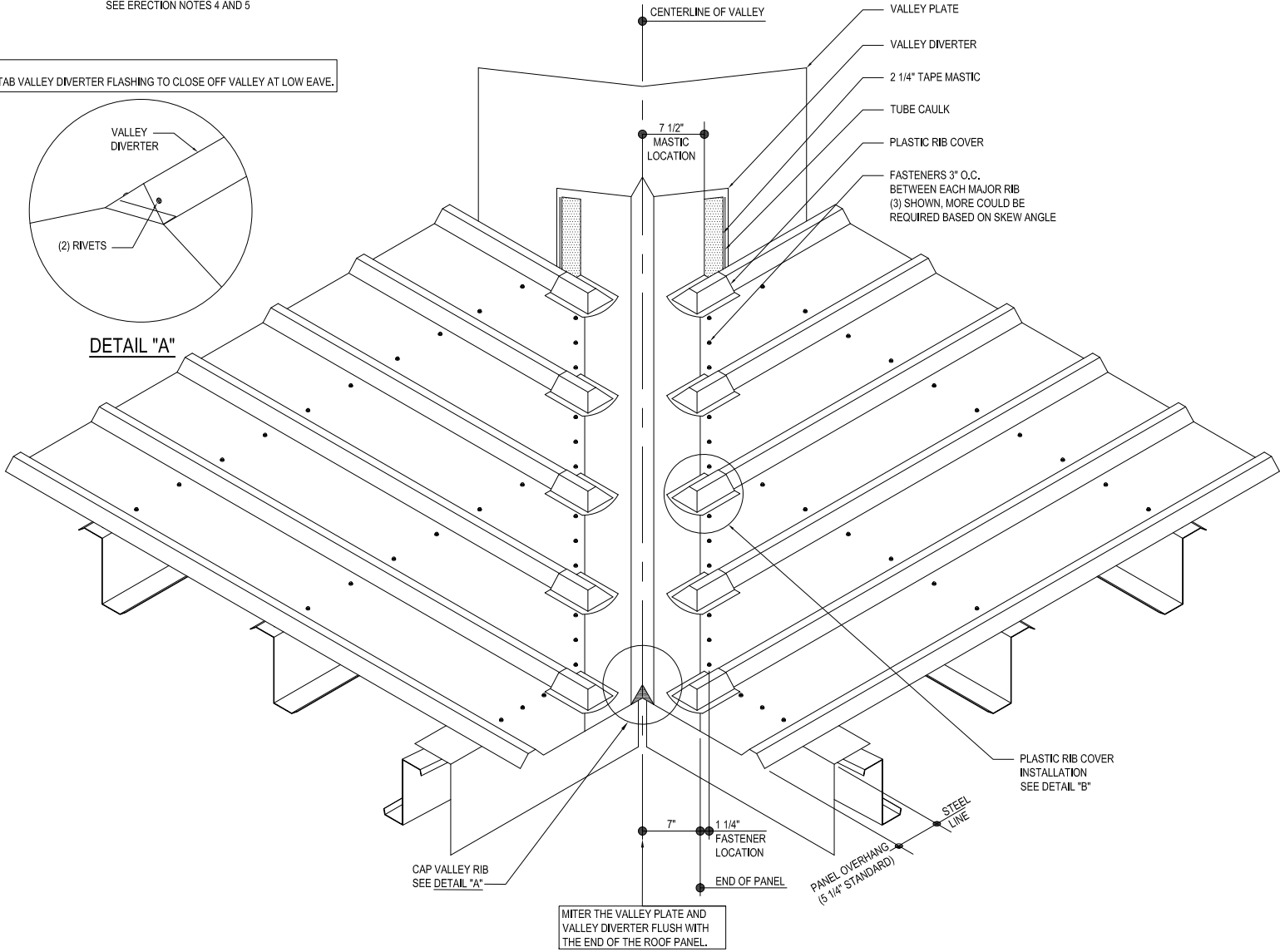
PLASTIC RIB COVER AND MASTIC PLACEMENT DETAIL

SEE ERECTION NOTES 4 AND 5

NOTE:
FIELD TAB VALLEY DIVERTER FLASHING TO CLOSE OFF VALLEY AT LOW EAVE.



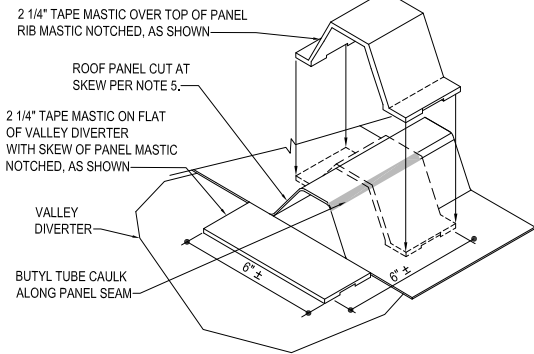
DETAIL "A"



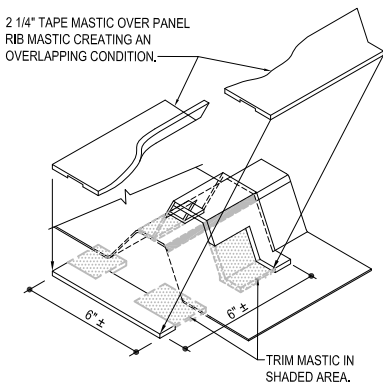
MASTIC AND RIB COVER DETAIL "B"

SEE ERECTION NOTES 6, 7, AND 8

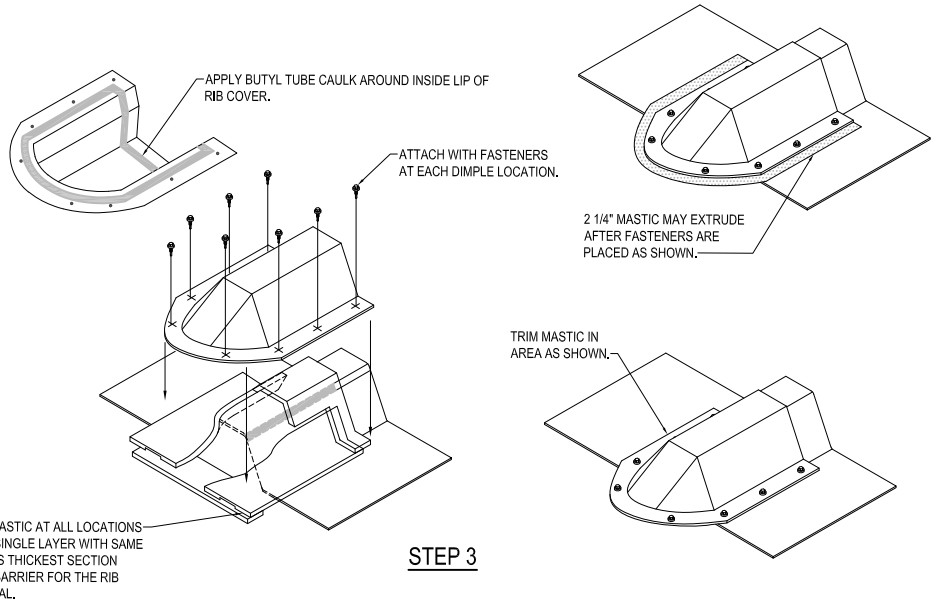
GENERAL RIB COVER NOTE:
TRACE RIB COVER INORDER TO KEEP 2 1/4" MASTIC BEAD ALONG EDGE FOR PROPER SEAL



STEP 1



STEP 2



STEP 3

COMPRESS MASTIC AT ALL LOCATIONS CREATING A SINGLE LAYER WITH SAME THICKNESS AS THICKEST SECTION CREATING A BARRIER FOR THE RIB COVER TO SEAL.

R-PANEL VALLEY CONDITION

ENGINEER'S NAME: BALA SOCKALINGAM Ph.D., P.E.		ENGINEER'S STATE REGISTRATION NUMBER: FL 62240		124 KIRBY DRIVE. PORTLAND, TN 37148 PHONE: (615) 745-6007	
SCALE: NOT TO SCALE		DATE 12-09-24		DRAWING #: D2859	
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