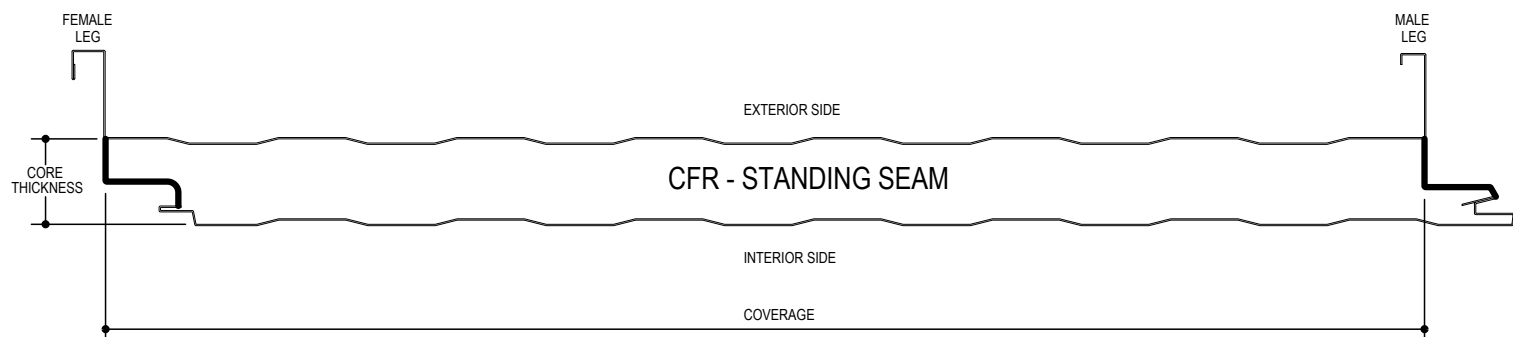


GENERAL ROOF DETAILS

METL-SPAN - CFR
EA8000-PROJECT PREPERATION NOTES
EA8010-ROOF IMP START PANEL
EA8020-ROOF PANEL JOINT DETAILS
EA8030-CLIP FASTENER QUANTITY
EA8040-CLIP FASTENER QUANTITY AT JOIST
EA8100-ROOF END LAP AT PURLIN
EA8110-ROOF END LAP AT JOIST
EA8120-ROOF PANEL LAYOUT WITH NO ENDLAPS
EA8130-ROOF PANEL LAYOUT WITH ONE ENDLAP
EA8140-ROOF PANEL LAYOUT WITH MULTIPLE ENDLAPS
EA8200-PIPE BOOT

METL-SPAN CFR

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PANEL TYPE	CFR - STANDING SEAM	
CORE MATERIAL	POLYURETHANE	
CORE THICKNESS	X	
COVERAGE	X	
	<u>EXTERIOR FACE</u>	<u>INTERIOR FACE</u>
GAUGE	24	26
MATERIAL	G-90 GALV. or AZ50 STEEL	G-90 GALV. or AZ50 STEEL
FINISH	PVDF	POLYESTER
COLOR	X	IGLOO.WHITE
PATTERN	EMBOSSSED	EMBOSSSED

Detailer Notes:

1) THIS DETAIL SHOULD BE ADDED TO THE ROOF SHEETING PLAN FOR ALL RESPECTIVE IMP ROOFS. PLACE THIS DETAIL ON THE APPROPRIATE ROOF PLAN AND FILL IN ATTRIBUTES ACCORDINGLY. IF YOU HAVE MULTIPLE COLORS / CONFIGURATIONS OF PANELS, INSERT EACH TYPE AND LABEL ON THE PLAN WHERE EACH UNIQUE PANEL BEGINS / ENDS TO AVOID ERRORS.

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- 1) CHECK ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES TO VERIFY COMPLIANCE WITH THE CODES.
- 2) BE CERTAIN THAT SITE CONDITIONS ARE SUCH THAT SAFE WORKING PRACTICES ARE STRICTLY OBSERVED.
- 3) REVIEW ALL INSTALLATION DRAWINGS AND ASSOCIATED PROJECT DOCUMENTS.
- 4) CONSULT WITH THE GENERAL CONTRACTOR, DESIGN ENGINEER, ARCHITECT AND/OR OWNER TO CONFIRM THOSE RECOMMENDED.
- 5) COMPLY WITH ALL SAFETY REGULATIONS.

SOME FIELD CUTTING IS PART OF NORMAL ERECTION WORK. WORKMANSHIP SHALL CONFORM TO THE HIGHEST INDUSTRY STANDARDS. A CERTAIN AMOUNT OF WAVINESS CALLED "OIL CANNING" MAY EXIST IN THE PANEL. MIN WAVINESS IS NOT SUFFICIENT CAUSE FOR REJECTION AND DOES NOT AFFECT THE STRUCTURAL INTEGRITY OF THE PANEL. MINIMIZING OR ELIMINATION THIS EFFECT CAN BE ACCOMPLISHED BY USING SIMPLE INDUSTRY STANDARD PROCEDURES DURING SURFACE PREPARATION.

REINFORCED LIFTING POINTS ARE CLEARLY MARKED ON THE PANEL BUNDLE (SEE FIGURES 1 & 2)

LONG LENGTH PANELS HAVE TWO OR MORE LIFTING POINTS (SEE FIGURE 2).

USE EXTREME CARE TO AVOID BUMPING OR DROPPING THE PANELS WHILE LIFTING AND MANEUVERING.

HOIST THE PANELS TO THE ROOF WITH THE AID OF NYLON SLINGS AND A SPREADER BAR TO PREVENT ANY CHANCE OF BENDING OR BUCKLING THE PANELS.

FIGURE 4
BUNDLES OVER 4,000 LBS AND MORE THAN 46" TALL

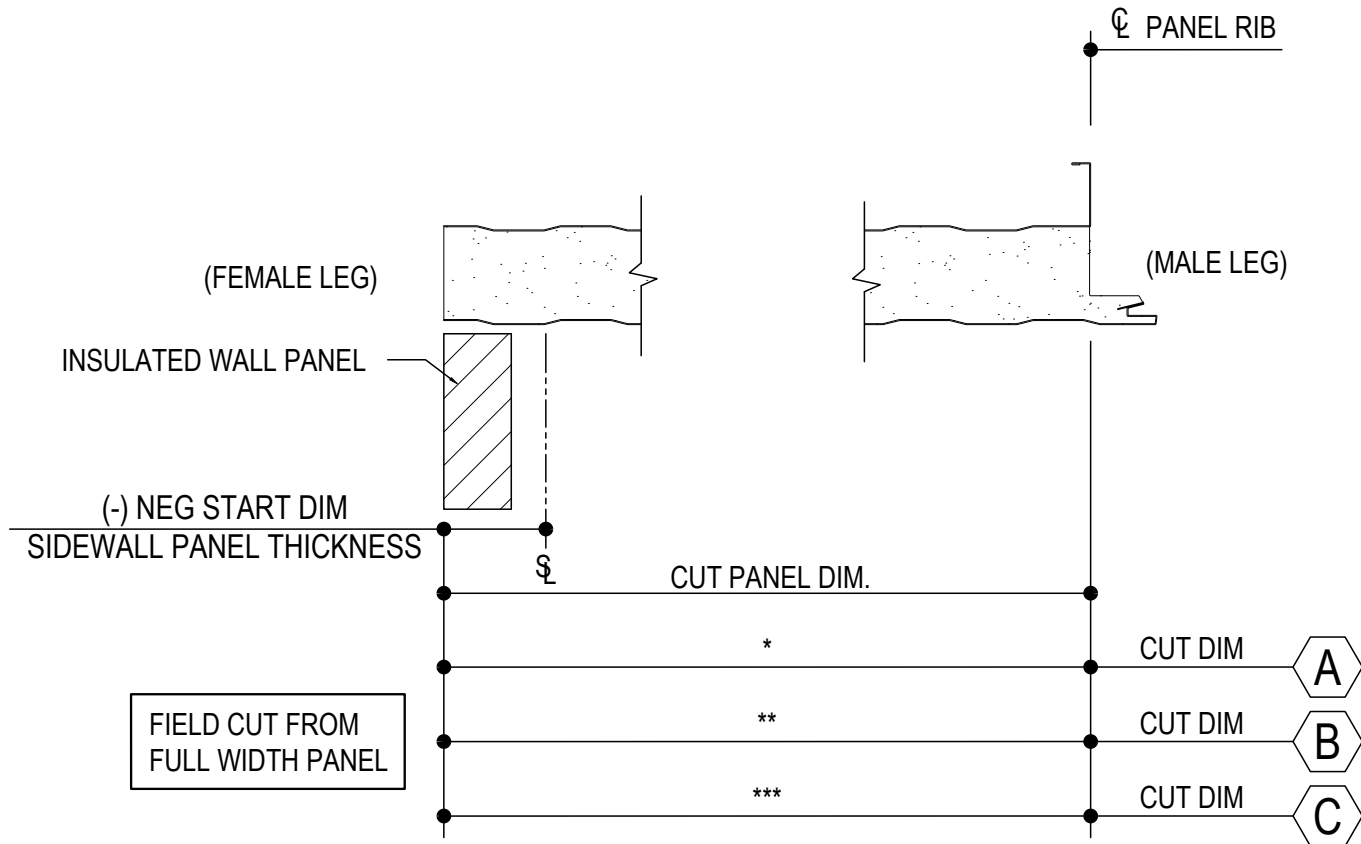
CAUTION: ANY METAL FILINGS OR BURRS SHOULD BE CLEANED OFF THE FACE OF THE PANELS AS SOON AS POSSIBLE TO PREVENT RUST FROM FORMING ON THE PAINT. (SEE "CLEANING PROCEDURES")

INSULATED ROOF PANELS
INITIAL GUIDELINES, UNLOADING, HANDLING PANELS & COMPONENTS
JOBSITE STORAGE, & READY TOOLING FOR INSTALLATION

1) THIS DETAIL SHOULD BE USED ON ALL METL-SPAN IMP ROOF PANEL PROJECTS.

EA8010 - CFR IMP START PANEL DETAIL

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START PANEL WIDTH DETAIL (FIELD CUT)

NOTE: THE FINISH PANEL ALSO NEEDS TO BE CUT TO THE REQUIRED WIDTH FROM A FULL PANEL. WIDTH DETERMINED IN THE FIELD

WHEN FIELD CUTTING OR MITERING INSULATED ROOF PANELS, A CARBIDE BLADE SHALL BE USED. ABRASIVE CUTTING TOOLS SUCH AS MECHANICAL GRINDERS, SAWS, SHEARS, OR SCISSORS CAN DAMAGE THE FINISH AND CREATE EXCESS METAL SHAVINGS THAT CAN CORRODE THE PANELS. THE USE OF NON-APPROVED CUTTING DEVICES MAY VOID YOUR FACTORY WARRANTY.

EA8010

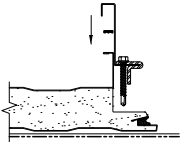
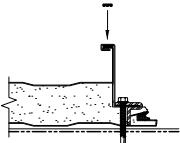
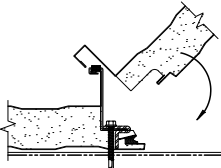
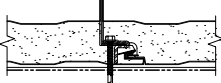
Detailer Notes:

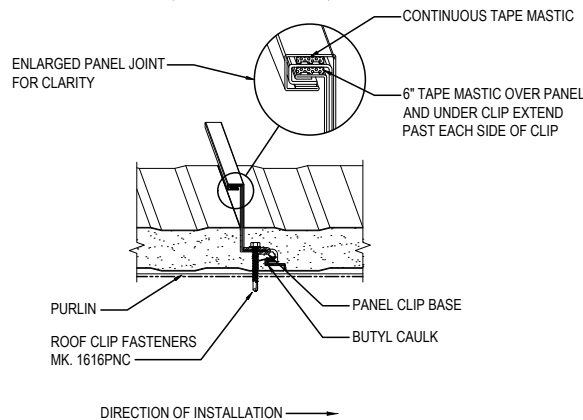
- 1) THIS DETAIL SHOULD BE PLACED ON THE ERECTION DRAWINGS

EA8020 - ROOF PANEL JOINT DETAILS

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PANEL JOINT SEQUENCE

- | | |
|--|--|
| <p>① SET PANEL IN PLACE</p> <p>② INSTALL PANEL CLIP ON TOP OF 6" OF 1/2" TAPE MASTIC MK. H3010</p> <p>③ SECURE TO PURLINS W/ ROOF CLIP FASTENERS MK. 1616PNC</p>  | <p>④ HAND "CRIMP" THE STANDING RIB / CLIP ASSEMBLY AT EACH CLIP LOCATION</p> <p>⑤ INSTALL CONTINUOUS TAPE MASTIC MK. H3010 ON TOP OF MALE STANDING SEAM</p>  |
| <p>⑥ TILT NEXT PANEL TO BE INSTALLED AT 45 DEGREE ANGLE, ROTATE INTO POSITION</p>  | <p>⑦ USE CLAMPS TO ENSURE PROPER PANEL ENGAGEMENT</p> <p>⑧ HAND CRIMP AT RIDGE, ENDLAP AND EAVES</p> <p>⑨ INSTALL RIDGE, RAKE AND EAVE COMPONENTS, THEN MECHANICALLY SEAM ROOF</p>  |



FINISHED PANEL JOINT

PANEL JOINT

INSULATED METAL PANEL ROOF INSTALLATION SEQUENCE

EA8020

Detailer Notes:

1) N/A

EA8030 - CLIP FASTENER QUANTITY

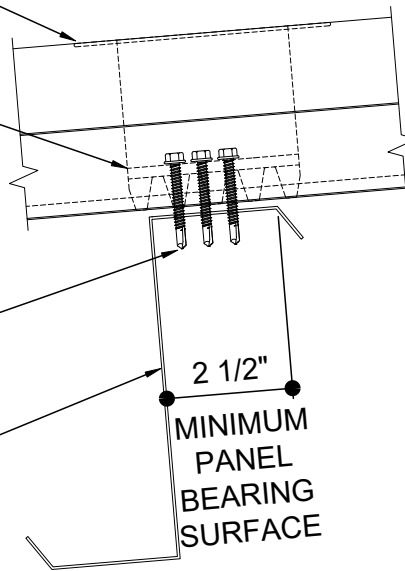
[Download the DWG file by clicking here.](#)

6" OF 1/2" TAPE MASTIC H3010
UNDER PANEL CLIP

PANEL CLIP

(3) ROOF CLIP FASTENERS
MK. 1616PNC

PURLINS



CLIP FASTENER QUANTITY

INSULATED METAL PANEL ROOF CLIP ATTACHMENT

EA8030

Detailer Notes:

1) N/A

EA8040 - CLIP FASTENER QUANTITY AT JOIST

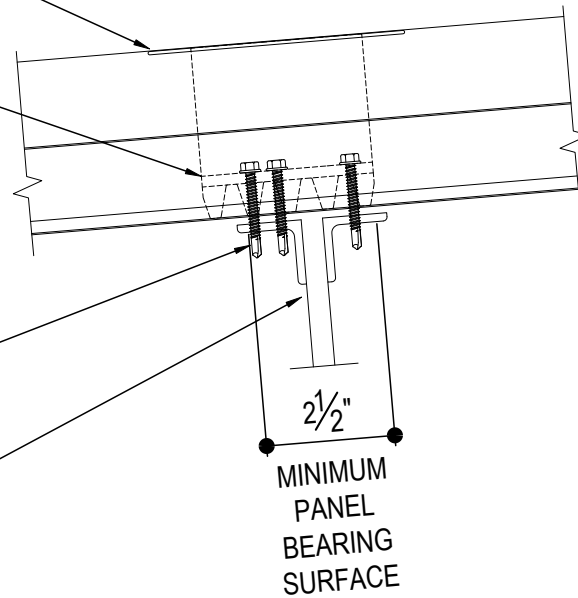
[Download the DWG file by clicking here.](#)

6" OF 1/2" TAPE MASTIC H3010
UNDER PANEL CLIP

PANEL CLIP

(3) ROOF CLIP FASTENERS
MK. 1724PNC

ROOF JOIST



CLIP FASTENER QUANTITY

INSULATED METAL PANEL ROOF CLIP ATTACHMENT

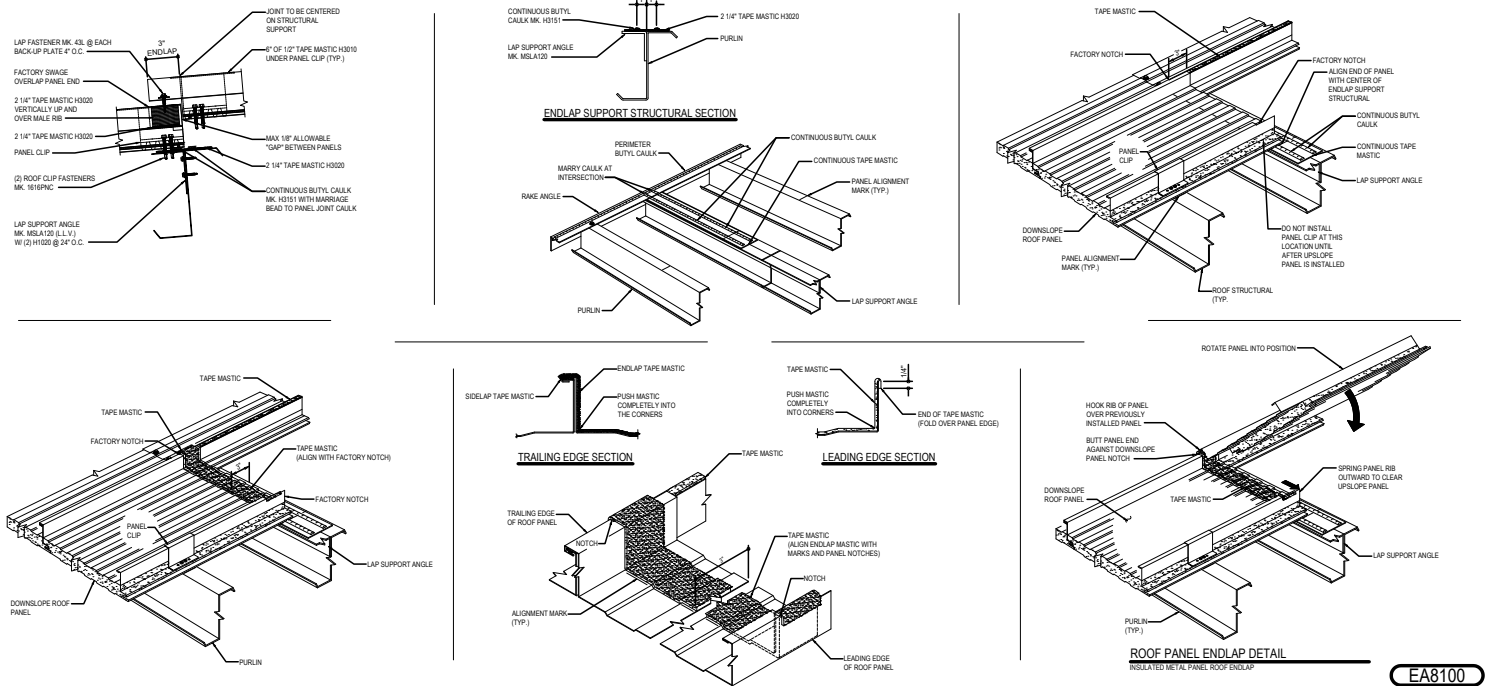
EA8040

Detailer Notes:

1) N/A

EA8100 - ROOF END LAP AT PURLIN

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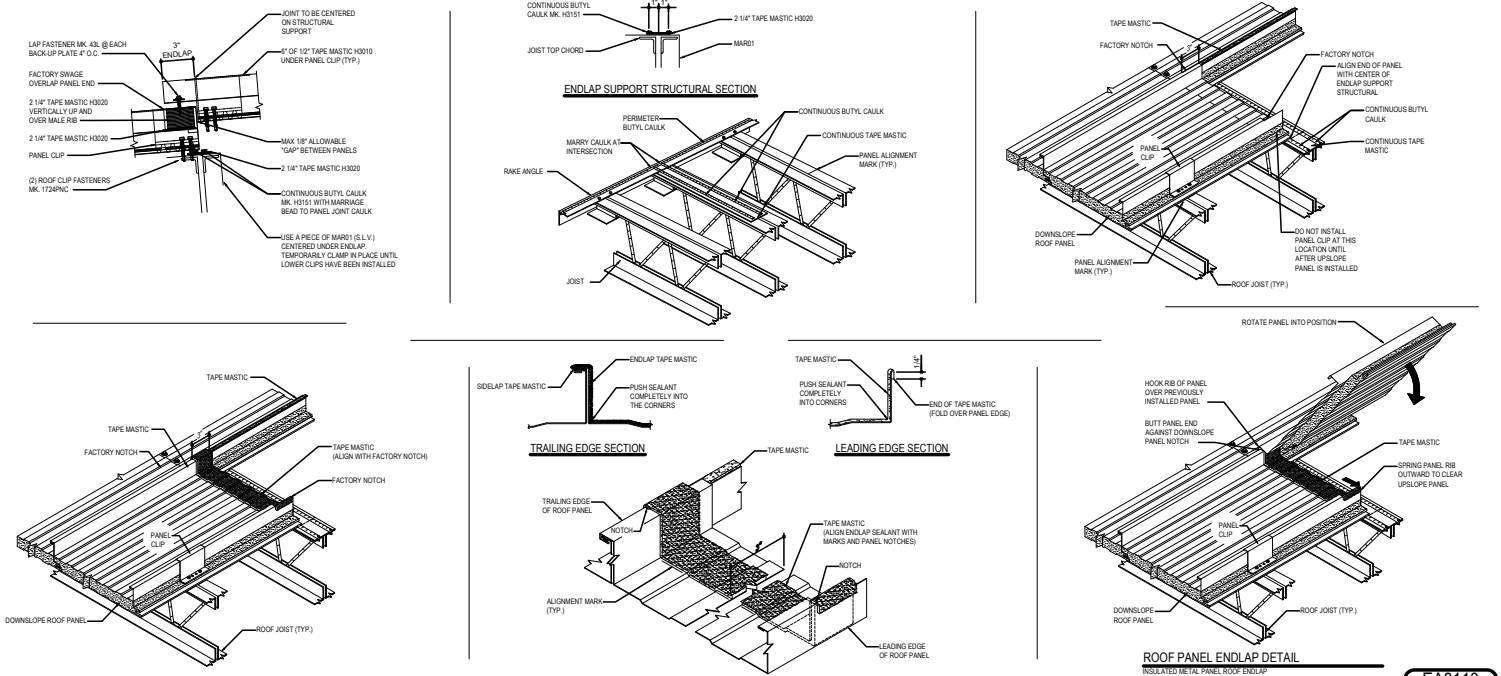


Detailer Notes:

1) N/A

EA8110 - ROOF END LAP AT JOIST

[Download the DWG file by clicking here.](#)

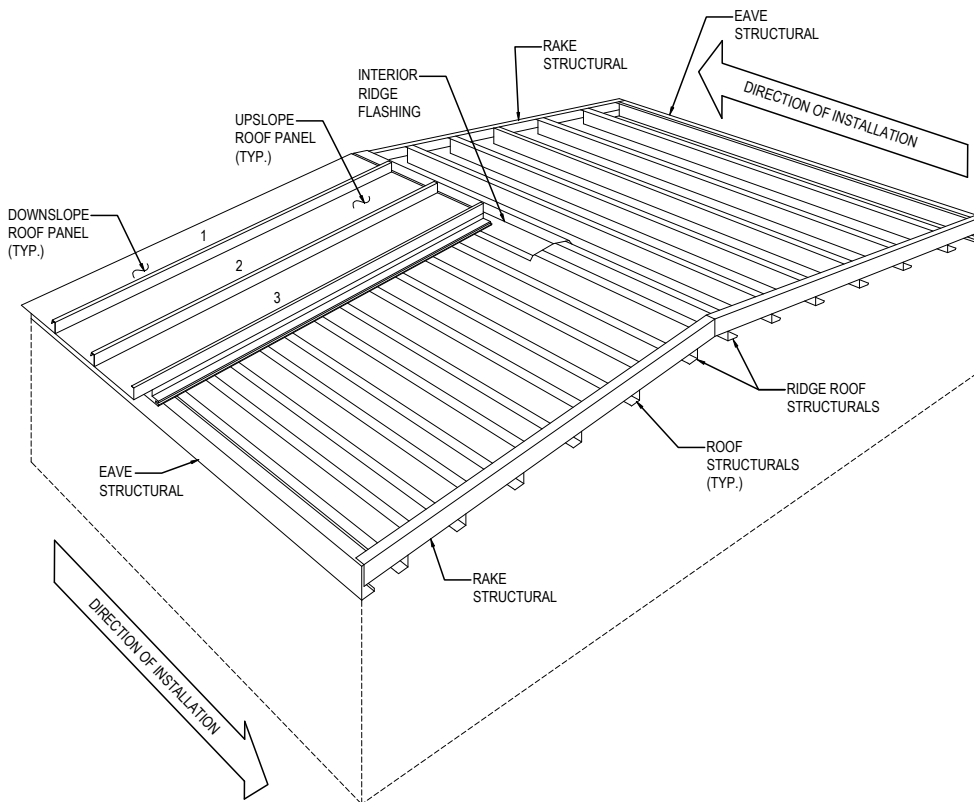


Detailer Notes:

1) N/A

EA8120 - ROOF PANEL LAYOUT WITH NO ENDLAPS

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ROOF PANEL LAYOUT

ROOF PANEL LAYOUT WITH NO ENDLAP

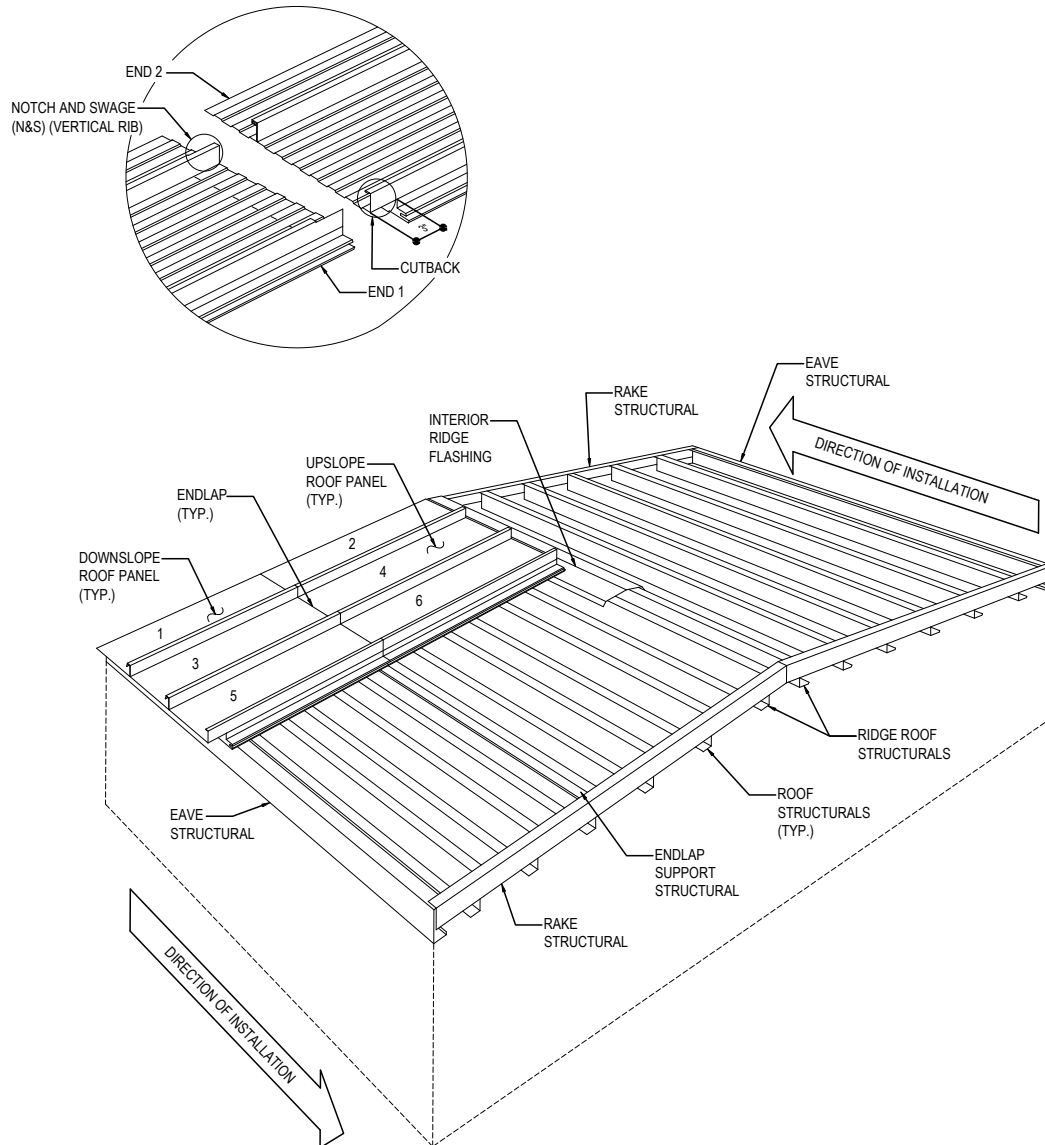
EA8120

Detailer Notes:

1) N/A

EA8130 - ROOF PANEL LAYOUT WITH ONE ENDLAP

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ROOF PANEL LAYOUT

ROOF PANEL LAYOUT WITH ONE ENDLAP

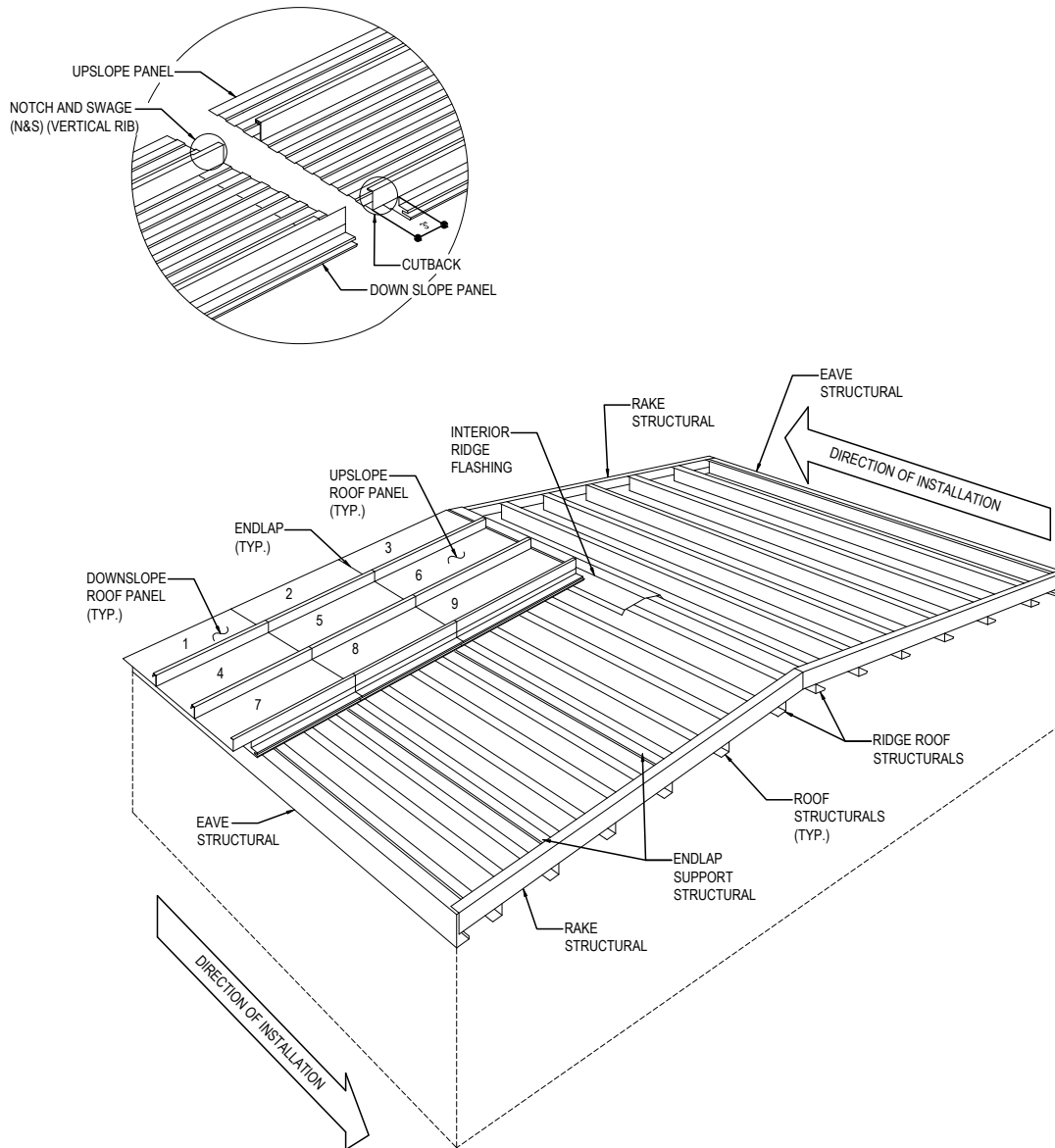
EA8130

Detailer Notes:

1) N/A

EA8140 - ROOF PANEL LAYOUT WITH TWO OR MORE ENDLAPS

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ROOF PANEL LAYOUT

ROOF PANEL LAYOUT WITH TWO OR MORE ENDLAPS

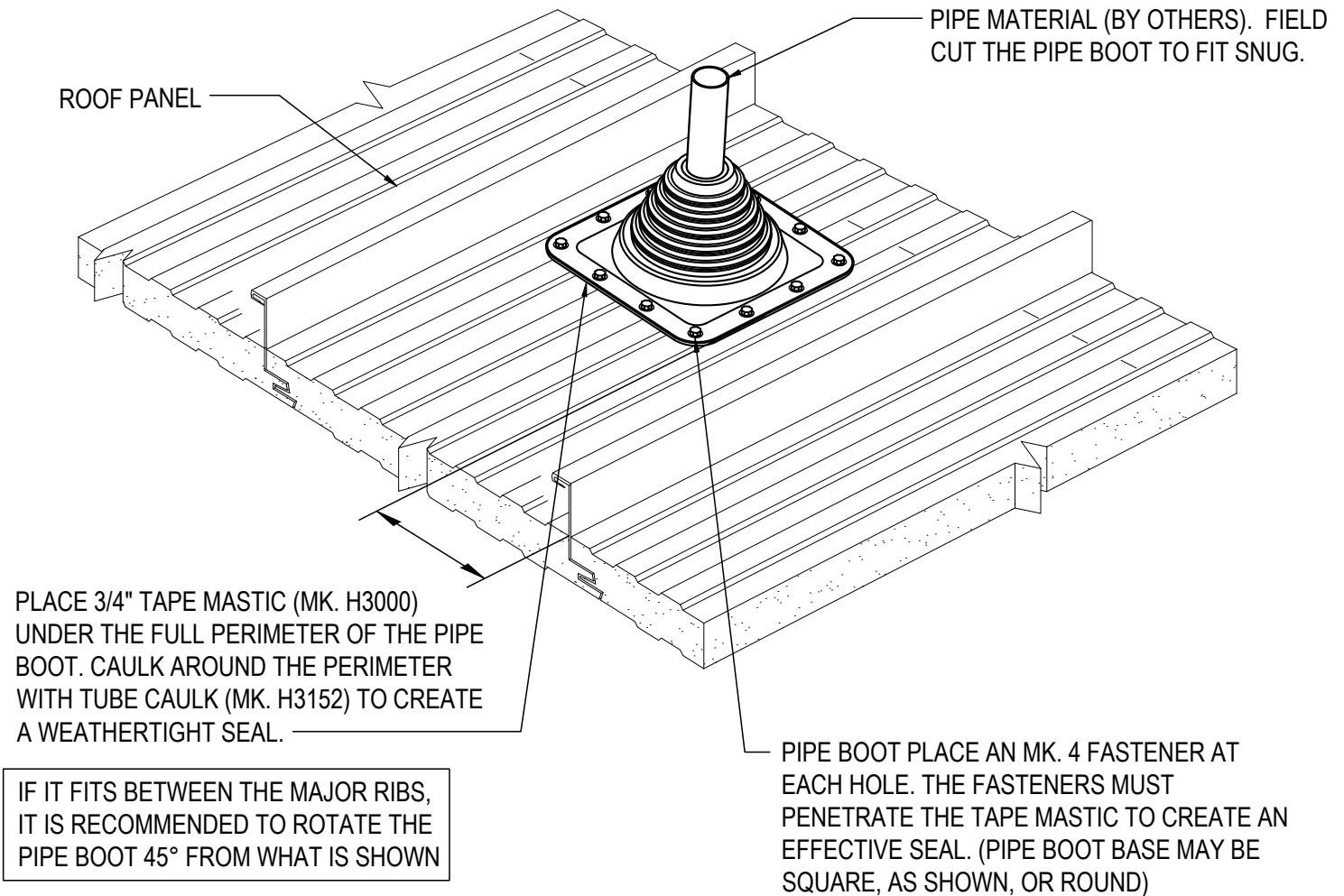
EA8140

Detailer Notes:

1) N/A

EA8200 - PIPE BOOT

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PIPE BOOT DETAIL

PIPE BOOT PART NUMBERS

- (#3) H3500 1/4"-5" DIAMETER
- (#5) H3510 4 1/4"-7 1/2" DIAMETER
- (#8) H3520 7"-13" DIAMETER

EA8200

Detailer Notes:

- 1) N/A