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VERTICAL RIB ROOF PANELS

EA3000 - ROOF PANEL HAND TOOLS

Download the DWG file by clicking here.

IMPORTANT!

ROOF PANEL HAND TOOLS ARE NO LONGER
PURCHASED THROUGH eQuote OR STEEL STORE.
ROOF PANEL HAND TOOLS CAN BE PURCHASED THROUGH
D.I. ROOF SEAMERS

HAND TOOLS



ROOF SEAMERS

SCAN THE QR CODE FOR TOOL PURCHASE AND SEAMER RENTAL OR VISIT HTTP://DIROOFSEAMERS.COM/NBG OR CALL 1(888) 343-0456.

EA3000

Detailer Notes:

1) DETAIL TO BE INSERTED INTO EVERY JOB THAT HAS BEEN ORDERED AFTER 10/12/2023.

2) IF HAND TOOLS HAVE BEEN ORDERED IN BOX 6 OF THE ORDER DOCUMENT, REMOVE DETAIL.

ssued : 05.28.24 (MR2024.06) CERTIFIED ERECTION DETAILS Detail Size (W x H) : 4 X 3



VERTICAL RIB ROOF PANELS

EA3010 - VERTICAL RIB GENERAL NOTES

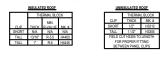
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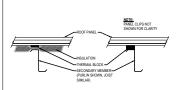
DESIGN AND PERFORMANCE CRITERIA





THERMAL BLOCKS





ROOF SYSTEM COMPONENT WITH DETAILING

UILDING & PANEL PREPARATION



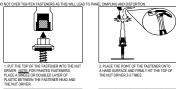
FIELD CUTTING PANELS

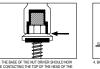
SPECIAL CONDITION AT A STRONG-BACK EAVE BEAM



FASTENER INSTALLATION

ISIONS (4° OR 6") ARE RECOMMENDED TO BE USED FOR INSTALLING PANEL CLIP FASTENERS TO ICAL FASTENER INSTALLATION.





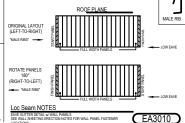






TOO TIGHT





Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY VERTICAL RIB ROOF PROJECT.

: 12.20.24 (2024-015) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 4 x 3 Issued

Issued By: SEM



VERTICAL RIB ROOF PANELS

EA3011 - VERTICAL RIB PANEL INSTALLATION

Download the DWG file by clicking here.

BASIC INSTALLATION SEQUENCE

THE FOLLOWING STEPS OUTLINE THE BASIC INSTALLATION OF THE ROOF SYSTEM. REFERENCE THE SPECIFIC DETAILS WITHIN THIS ERECTION DRAWING SET FOR CONDITIONS SPECIFIC TO THIS PROJECT.

START PANEL PREPARATION
THE ROOF SYSTEM IS DESIGNED TO BE ELEVATED AND FLOAT ABOVE THE ROOF SUPPORT MEMBERS. BEGIN AT THE
LOWER RAKE CORNER BY INSTALLING THE EAVE PLATE. (REFERENCE EAVE PLATE INSTALLATION BELOW)

AFTER EAVE PLATE HAS BEEN INSTALLED, STITCH THE FIRST ROLL OF ROOF INSULATION FROM RIDGE / HIGH EAVE TO LOW EAVE.

FIELD CUT AND INSTALL START PANEL.
THE START PANEL IS SUPPLIED AS A FILL. SHEET AND WILL NEED TO BE CUT: REFER TO THE ROOF SHEETING PLAN
FOR START FIRST DIMENSIONS AND RAKE DETAILS TO DETERMINE PROPER PANEL CUT: INSTALL THE START PANEL
LOVE BY PANEL FIRST START PANEL. BUT SO SON SON TO TO SECURITY SHOULD SHOW THE PANEL FIRST SON TO SHEET SHOW THE PANEL FIRST SON TO SHEET SHOW THE PANEL FIRST SHOW THE PANEL SHOW

INTERMEDIATE PANEL & MODULARITY

THE NTERNEDATE PANELS (FULL PRACES) SHOULD BE INSTALLED BY ROLLING THE PANEL INTO IT ACE ENSURING
THE SEAM IS FULLY ENGAGED. SECURET THE PANELS WITH PANEL CLIPS AND THE LOW EARL ACROSS THE ROOF. IT IS
RECOMMENDED TO INSTALL THE OUTSIDE CLOSING AT THE MEDIA EARLY RIDGE AS THE ROOF PROGRESSES. THIS
WILL HELP MANTAIN MODULARITY, REFERENCE HIGH EAVE / RIDGE DETAILS.

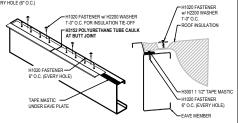
FINISITY WATEL.

IT HE FINISH PANEL IS SIMILAR TO THE START PANEL INSTALLATION. THE RAKE ANGLE CLIPS AND RAKE ANGLE NEEDS
TO BE INSTALLED ON TOP OF THE INSULATION PRIOR TO INSTALLING THE RINISH PANEL. THE FINISH PANEL SHOULD BE
FELD CUT AND ROLLED INTO PLACE AND SECURED TO THE RAKE ANGLE SIMILAR TO THE START PANEL.

TRM INSTALLATION
TRIM INSTALLATION CAN BE DONE AFTER THE ROOF PANELS ALL HAVE BEEN INSTALLED OR CAN BE INSTALLED AS ENOUGH PANELS HAVE BEEN INSTALLED FOR ATTACHMENT OF TRIMS. (REFERENCE TRIM DETAILS)

EAVE PLATE INSTALLATION

PLACE TAPE MASTIC ON TOP OF EAVE MEMBER PRIOR TO INSTALLING EAVE PLATE. INSTALL EAVE PLATE BY I FORMATION OF THE VERSION OF THE MEMBER HYDIOR TO INSTALLING EAR PLATE. INSTALL EAVE PLATE BY FASTENING SEVERY HOLE TO EAVE MEMBER (IF OLG.) PRIOR TO INSULATION BEING INSTALLES SEQUER INSULATION WITH FASTENER R INSULATION RETAINER WASHER. NOTE: IF NO ROOF INSULATION IS USED SECURE EAVE PLATE IN EVERY HOLE (IF) CALLING THE PLATE IN EVERY HOLE

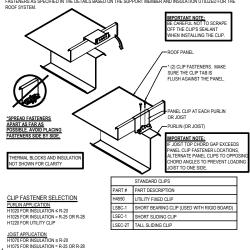


NOTE: H1020/H1070 (PURLIN/JOIST) FASTENER w/ H2200 WASHER 1'-0" O.C. FOR INSULATION TIE-OFF PROVIDED AT HIGH SIDE / RIDGE

TALL EAVE PLATE EPS108 BASIC EAVE / GUTTER

PANEL CLIP INSTALLATION

BEFORE INSTALLING THE PANEL CLIP, FEEL FOR THE SUPPORT MEMBER BELOW THE INSULATION. ALIGN CLIP CENTREBED OVER THE SUPPORT MEMBER AND ROLL CLIP OVER THE MALE HOOK OF THE PANEL. FASTEN CLIP WIT FASTENERS AS SPECIFIED IN THE DETAILS BASED ON THE SUPPORT MEMBER AND INSULATION UTILIZED FOR THE

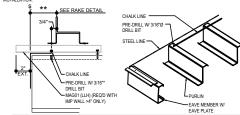


RAKE ANGLE / RAKE CLIP PREPARATION

PRIOR TO INSTALLING THE ROOF INSULATION THE SECONDARY MEMBER WILL NEED TO BE PRE-DRILLED FOR THE RAKE CLIPS. PRE-DRILLING WILL MAKE INSTALLATION OF THE RAKE AND CLIPS MUCH EASIER AFTER INSULATION IS IN PLACE OO NOT INSTALL RAKE CLIPS UNTIL INSULATION (IF REQUIRED) IS INSTALLED BAKE CLIP IS INSTALLED ON TOP OF THE RISULATION.

SNAP A CHALK LINE AS SHOWN BELOW FROM HIGH EAVE / RIDGE TO LOW EAVE. DRILL 3/16" Ø HOLE CENTERED ON SECONDARY MEMBER. THIS IS HELPS TO ALIGN THE START PANEL.

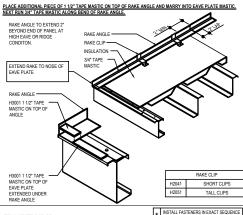
NOTE: IMP WALL PANEL >1 THICK REQUIRE ANGLES ON TOP OF SECONDARY MEMBER EXTENDED BEYOND STEEL LINE TO ALLOW FOR RAKE CLIP ATTACHMENT. ATTACH WITH (1) H1020 / H1070 TO PURLIN / JOIST PRIOR TO RAKE CLIP INSTALLATION.

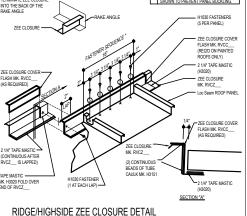


RAKE ANGLE / RAKE CLIP INSTALLATION

AFTER INSULATION IS IN PLACE AND PRIOR TO INSTALLING THE RAKE CLIPS AND RAKE ANGLE APPLY 1 1/2" TAPP MASTIC ON TOP OF THE EAVE PLATE BUT ONLY REMOVE PAPER BACKING WHERE THE RAKE ANGLE WILL REST. WILL SEAL BETWEEN THE EAVE PLATE AND THE RAKE ANGLE.

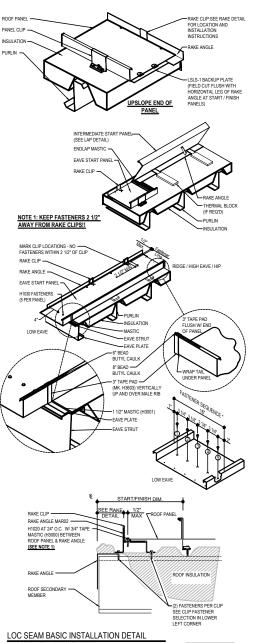
SLIDE RAKE CLIPS ONTO RAKE ANGLE PRIOR TO SECURING THE RAKE CLIPS TO THE SECONDARY MEMBERS. PLACE THE RAKE CLIPS AND ANGLE OVER THE INSULATION USING A SMALL DRIFT FIN TO LOCATE THE PRE-DRILLED HOLE. INSTALL RESTEMER THROUGH OPPOSITE CLIP HOLE INTO SECONDARY MEMBER. REMOVE DRIFT FIN AND INSTALL SECOND FASTEMENT OF SECURE CLIP. NOTE: (2) SCREWS ARE REQUIRED IN EVERY CLIP. DO NOT CUT INSULATION OUT FROM AROUND THE CLIP.





BACKUP PLATE INSTALLATION

THE BACKUP PLATE PROVIDES SUPPORT AT THE ENDLAP OF THE PANEL TO ALLOW FOR COMPRESSION OF SEALANTS. THE BACKUP PLATE HAS NOTCHES THAT SLUE ONTO THE PANEL TO LOCATE AND HOLD THE BACKUP PLATE IN PLACE AT THE RAKE CONDITION, THE BACKUP PLATE IN TO BE FIELD CUT FLUSH WITH THE HORIZONTAL LEG OF THE RAKE ANGLE DO NOT EXTEND BACKUP PLATE ON TOP OF RAKE ANGLE.



C EA3011

Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY VERTICAL RIB ROOF PROJECT.

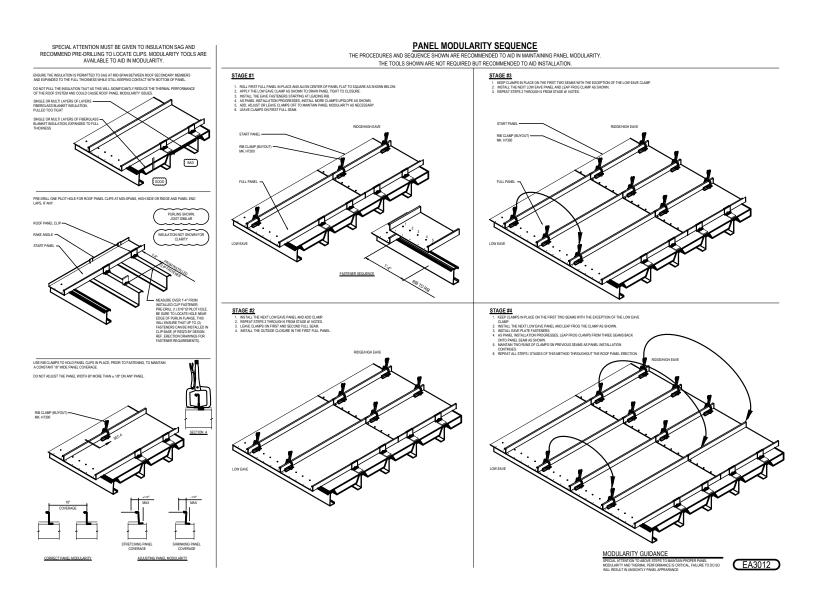
(MR2025.04) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 3 x 3 : 04.08.25 Issued



VERTICAL RIB ROOF PANELS

EA3012 - VERTICAL RIB MODULARITY GUIDANCE

Download the DWG file by clicking here.



Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY VERTICAL RIB ROOF PROJECT.

Issued: 10.14.22 (2020-039) CERTIFIED ERECTION DETAILS Detail Size (W x H): 4 x 3

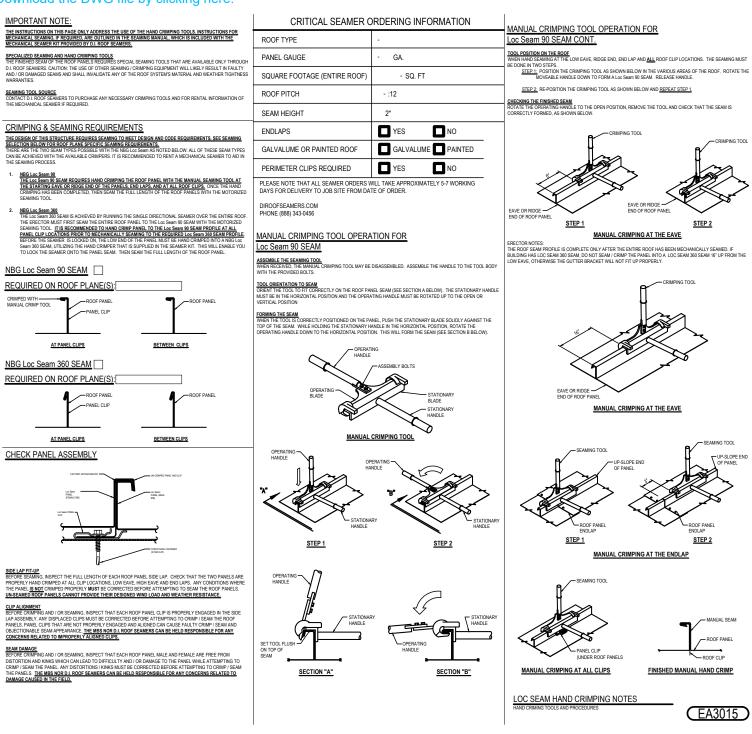
Issued By: WME



VERTICAL RIB ROOF PANELS

EA3015 - VERTICAL RIB ROOF CRIMPING NOTES

Download the DWG file by clicking here.



Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY **VERTICAL RIB** ROOF PROJECT.

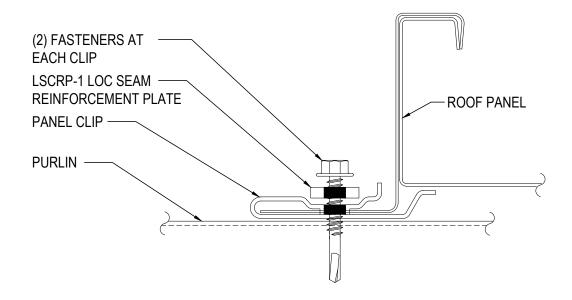
Issued : 03.04.25 (MR2025.03) CERTIFIED ERECTION DETAILS Detail Size (W x H) : 3 x 3



VERTICAL RIB ROOF PANELS

EA3018 - LOC SEAM REINFORCEMENT PLATE

Download the DWG file by clicking here.



CLIP FASTENER SELECTION

PURLIN APPLICATION
H1020 FOR INSULATION ≤ R-19
H1025 FOR INSULATION > R-19 AND ≤ R-25

 $\frac{\text{JOIST APPLICATION}}{\text{H1070 FOR INSULATION}}$ ≤ R-19 H1075 FOR INSULATION > R-19 AND ≤ R-25

IMPORTANT NOTE:

IF JOIST TOP CHORD GAP EXCEEDS PANEL CLIP FASTENER LOCATIONS, ALTERNATE PANEL CLIPS TO OPPOSING CHORD ANGLES TO PREVENT LOADING JOIST TO ONE SIDE.

THERMAL BLOCKS AND INSULATION NOT SHOWN FOR CLARITY

REINFORCED CLIP	
PART#	PART DESCRIPTION
LSEC-2T	TALL CLIP

LOC SEAM REINFORCEMENT PLATE

FACTORY MUTUAL APPROVED FM CLASS 1-120 @ 5'-0" PURLIN SPACING FM CLASS 1-180 @ 2'-6" PURLIN SPACING

EA3018

Detailer Notes:

1) THIS DETAIL REQUIRED ON FM 1-120 & 1-180 RATED PROJECTS. REFERENCE THE PRAC MANUAL.

2) THE REINFORCEMENT PLATE **CANNOT** BE USED AT SHORT CLIP LOCATIONS. DOING SO WILL CAUSE THE HEAD TO INTERFERE WITH THE FLAT OF THE PANEL.

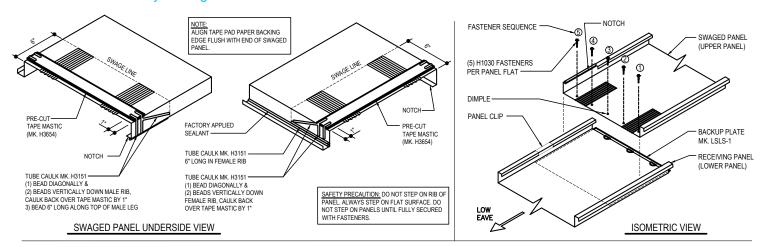
Issued: 04.08.25 (MR2025.04) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1



VERTICAL RIB ROOF PANELS

EA3021 - VERTICAL RIB PANEL ENDLAP

Download the DWG file by clicking here.



NOTE: ALL AREAS ON ALUMINUM COATED PANELS THAT REQUIRE MASTIC SHOULD BE WIPED CLEAN WITH A MILD ALL PURPOSE DETERGENT CLEANER BEFORE MASTIC APPLICATION.

1) WHEN ENDLAPS ARE REQUIRED THE LOWER 6 INCHES OF THE UPPER PANEL ARE SWAGED, WHICH ALLOWS FOR A BETTER LAP ON TO THE LOWER RECEIVING PANEL. THIS LAP WILL OCCUR APPROXIMATELY 12 INCHES UPSLOPE FROM A PURLIN OR JOIST RUN

2) PRIOR TO SETTING THE SWAGED PANEL, INSTALL THE BACKUP PLATE ONTO THE LOWER RECEIVING PANEL AS SHOWN

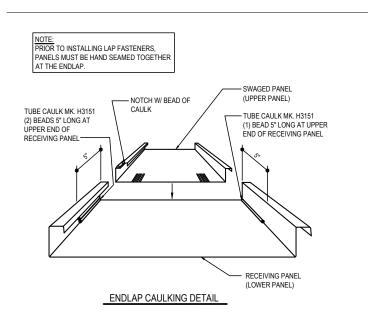
3) NEXT INSTALL A PIECE OF PRE-CUT TAPE MASTIC ACROSS THE WIDTH OF THE UNDERSIDE OF THE SWAGED PANEL BEGINNING AND ENDING AT THE VERTICAL SEAMS (LEGS). ALSO APPLY TUBE CAULK ON THE MALE AND FEMALE RIBS OF THE SWAGED PANEL AS SHOWN IN DETAIL ABOVE.

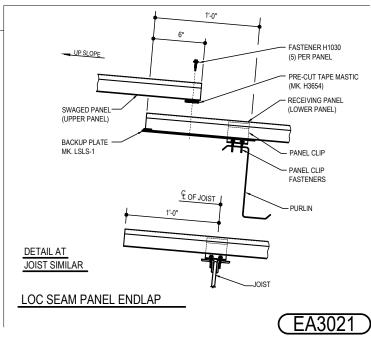
4) NEXT APPLY TUBE CAULK ALONG BOTH PANEL RIBS OF THE LOWER RECEIVING PANEL AS SHOWN IN THE ENDLAP CAULKING DETAIL.

5) INSTALL THE UPPER SWAGED PANEL. BOW PANEL IN THE MIDDLE DURING INSTALLATION TO AVOID SWIPING CAULK FROM THE VERTICAL LEGS OF THE PANEL AT THE ENDLAP.

6) NEXT SECURE THE LAP WITH (5) H1030, ROOF FASTENERS IN THE PRE-DIMPLED LOCATIONS.

7) HAND SEAM PANEL RIBS TOGETHER AT ENDLAP PRIOR TO MECHANICALLY SEAMING





Detailer Notes:

1) N/A

: 10.14.22 (2020-039) **CERTIFIED ERECTION DETAILS** Detail Size (W x H): 2 x 2 Issued

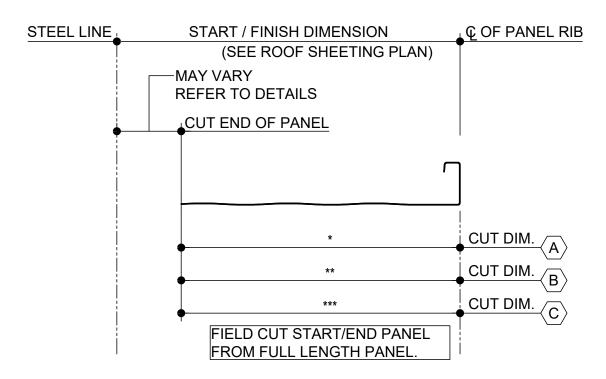
Issued By: WME



VERTICAL RIB ROOF PANELS

EA3035 - START / FINISH PANEL WIDTH DETAIL

Download the DWG file by clicking here.



START / END CUT PANEL DIMENSION DETAIL

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

EA6035

Detailer Notes:

1) THIS DETAIL IS REQUIRED ON EVERY VERTICAL RIB ROOF PROJECT.

Issued : 10.14.22 (2020.039) CERTIFIED ERECTION DETAILS Detail Size (W x H) : 1 x 1

Issued By: SLF



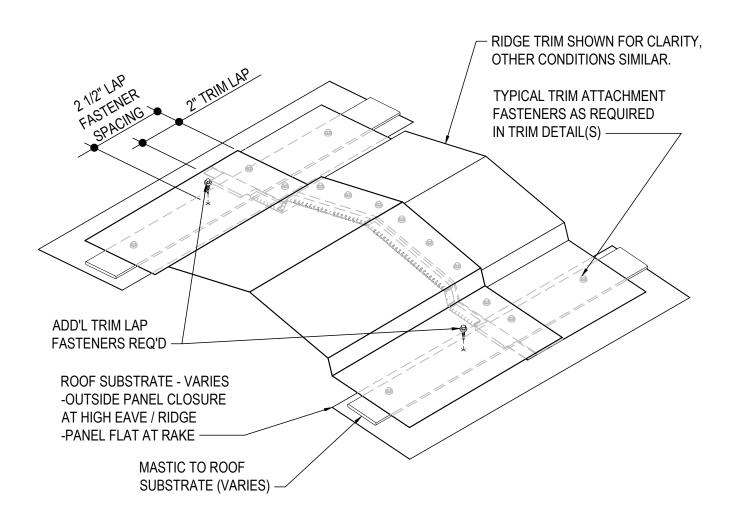
INSULATED WALL SHEETING

EA3076 - TRIM LAP COMPRESSION FASTENER

Download the DWG file by clicking here.

NOTE:

REFERENCE TRIM CONDITION DETAIL FOR REQUIRED SEALANT AND FASTENERS



TRIM LAP COMPRESSION FASTENER

THE ADDITIONAL FASTENER IS REQUIRED AT TRIM LAPS TO AID IN ELIMINATING GAPS AND COMPRESSING SEALANTS WHERE THE MULTIPLE LAYERS OF FLASHING COME TOGETHER.

EA3076

Detailer Notes:

1) THIS DETAIL IS TO BE PROVIDED ON ALL PROJECTS WHERE THERE IS LAPPED ROOF LINE TRIM.

2) THIS DETAIL IS DUPLICATE OF DA0076, EA6076, EA8076 AND FA2076. DUPLICATE DETAILS ARE TO ENSURE THAT THEY ARE PLACED IN ORDER IN ERECTION DRAWINGS.

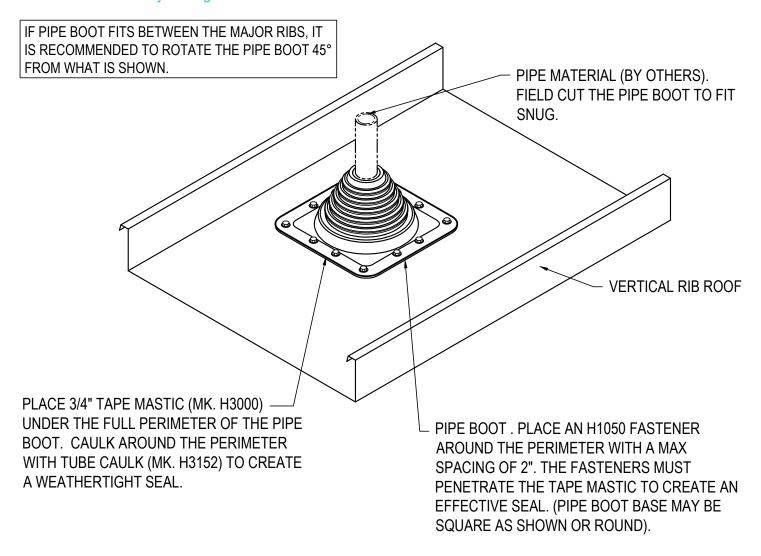
Issued : 08.06.24 (2024-001) **CERTIFIED ERECTION DETAILS** Detail Size (W x H) : 1 x 1



VERTICAL RIB ROOF PANELS

EA3200 - 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

EA3200

Detailer Notes:

1) N/A

Issued: 06.08.23 (MR2023.06) CERTIFIED ERECTION DETAILS Detail Size (W x H): 1 x 1