

**CONSTRUCTION JOINT**

EJ7030-CONSTRUCTION JOINT END CAP - CONTINUOUS

EJ7035-CONSTRUCTION JOINT END CAP - OFFSET

EJ7037-CONSTRUCTION JOINT TERMINATION - HE & RIDGE

**EXPANSION JOINT**

EJ7040-EXPANSION JOINT END CAP - CONTINUOUS

EJ7045-EXPANSION JOINT END CAP - OFFSET

EJ7046-EXPANSION JOINT SPLICE

EJ7047-EXPANSION JOINT TERMINATION - RIDGE

EJ7048-EXPANSION JOINT TERMINATION - HE PARAPET

EJ7049-EXPANSION JOINT TERMINATION - HE SCULPTURED

EJ7050-EXPANSION JOINT TERMINATION - ROOF STEP

**ROOF STEP**

EJ7350-ROOF STEP TERMINATION - VR

EJ7650-ROOF STEP TERMINATION - TRAP

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**EJ7030 - CONSTRUCTION JOINT END CAP - CONTINUOUS**

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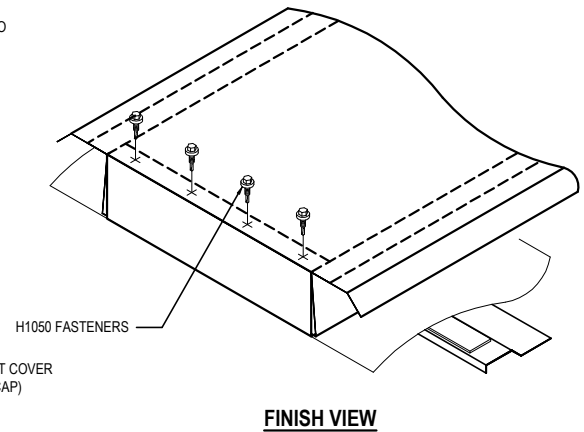
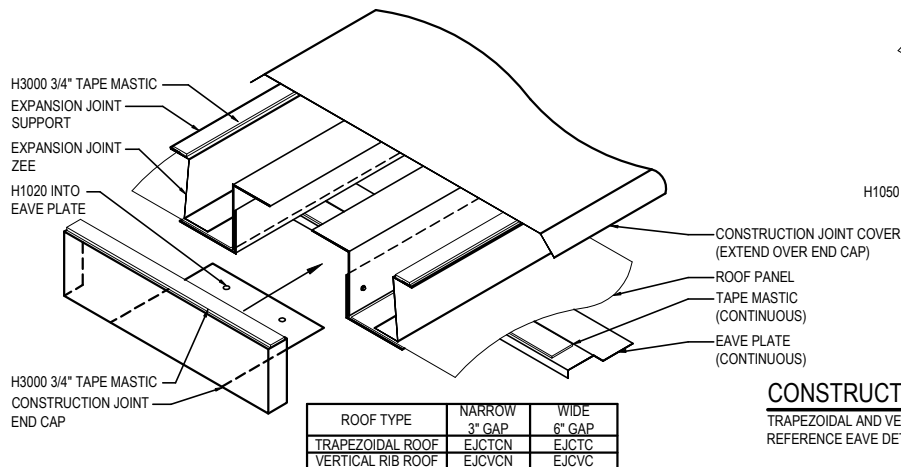
**INSTALLATION NOTES**

INSTALL THE CONSTRUCTION JOINT SUPPORT AND ZEE MEMBERS AS INDICATED IN THE CONSTRUCTION JOINT DETAIL. MAKE SURE THAT THE MASTIC OVER THE EAVE PLATE AND UNDER THE ROOF PANEL RUN CONTINUOUS THROUGH THE JOINT AREA. IF NOT, ADD MASTIC ACROSS EAVE PLATE.

INSTALL END CAP FLUSH WITH END OF PANEL. THE BOTTOM LEG SHOULD EXTEND OVER TOP OF THE EAVE PLATE AND BE FASTENED INTO THE EAVE PLATE WITH (2) **H1020** FASTENERS.

APPLY 3/4" **TAPE MASTIC (H3000)** ALONG THE TOP OF THE END CAP AS SHOWN.

THE CONSTRUCTION JOINT COVER SHOULD EXTEND TO BE FLUSH WITH END CAP. FASTEN WITH (4) **H1050** FASTENERS.



**CONSTRUCTION JOINT END CAP - CONTINUOUS**

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH CONTINUOUS EAVE  
REFERENCE EAVE DETAILS FOR TRIM AND OR GUTTER REQUIREMENTS

**EJ7030**

**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7035 - CONSTRUCTION JOINT END CAP - OFFSET

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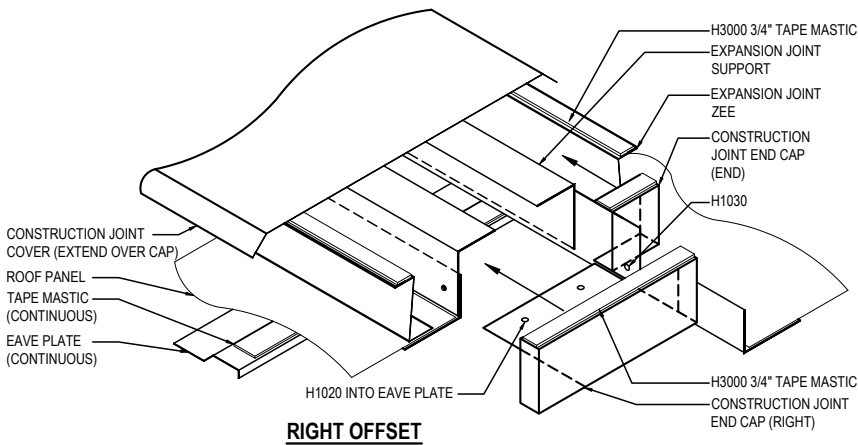
INSTALLATION NOTES

INSTALL THE CONSTRUCTION JOINT SUPPORT AND ZEE MEMBERS AS INDICATED IN THE CONSTRUCTION JOINT DETAIL. MAKE SURE THAT THE MASTIC OVER THE EAVE PLATE AND UNDER THE ROOF PANEL RUN CONTINUOUS THROUGH THE JOINT AREA. IF NOT, ADD MASTIC ACROSS EAVE PLATE.

INSTALL END CAP FLUSH WITH END OF PANEL. THE BOTTOM LEG SHOULD EXTEND OVER TOP OF THE EAVE PLATE AND BE FASTENED INTO THE EAVE PLATE WITH (2) H1020 FASTENERS. ATTACH THE EJC\_E TO THE VERTICAL LEG OF THE RAKE ANGLE WITH (1) H1030 FASTENER.

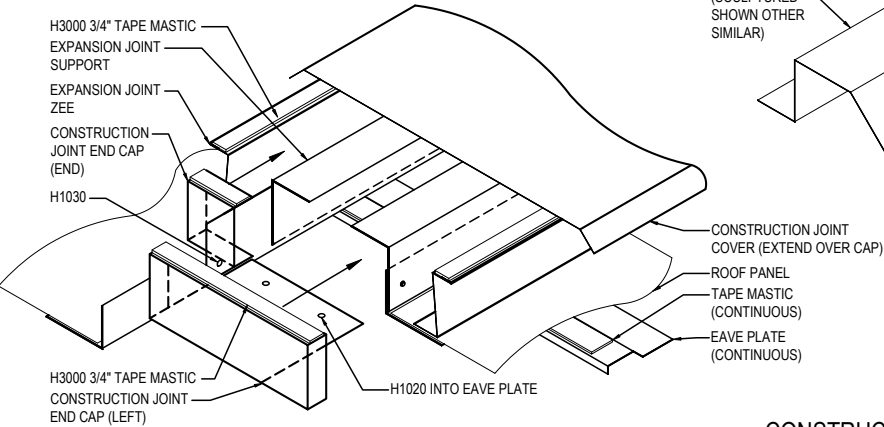
APPLY 3/4" TAPE MASTIC (H3000) ALONG THE TOP OF THE END CAPS AS SHOWN.

THE CONSTRUCTION JOINT COVER SHOULD EXTEND OVER THE LOWER TRIM WITH MASTIC BETWEEN. FASTEN WITH (4) H1050 FASTENERS INTO THE CAP. DO NOT FASTEN INTO THE LOWER RAKE TRIM AS IT MAY BE REQUIRED TO FLOAT. THE COVER CAN SIMPLY EXTEND OVER THE RAKE TRIM WITH A TRAPEZOIDAL ROOF SYSTEM. IF THE ROOF SYSTEM IS A VERTICAL RIB ROOF THERE WILL BE ADDITIONAL FIELD WORK REQUIRED TO BEND AND TAB THE COVER TO TRANSITION TO THE RAKE TRIM.

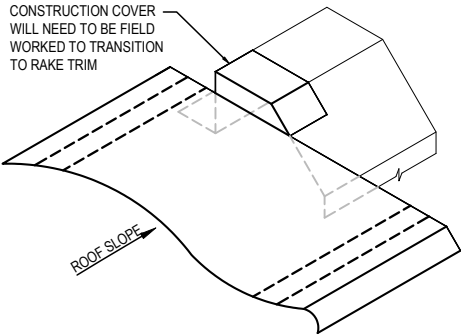


RIGHT OFFSET

ROOF TYPE	LEFT OFFSET		RIGHT OFFSET		END
	WIDE 6" GAP	NARROW 3" GAP	WIDE 6" GAP	NARROW 3" GAP	
TRAPEZOIDAL ROOF	EJCTL	EJCTLN	EJCTR	EJCTRN	EJCTE
VERTICAL RIB ROOF	EJCVL	EJCVLN	EJCVR	EJCVRN	EJCVE

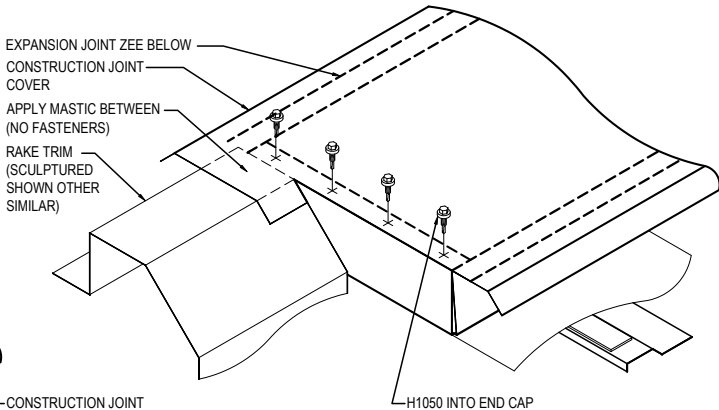


LEFT OFFSET



VERTICAL RIB ROOF FINISH VIEW

SIMILAR INSTALL TO TRAPEZOIDAL BUT WILL REQUIRE ADDITIONAL FIELD WORK (SHOWN OPPOSITE VIEW)



TRAPEZOIDAL ROOF FINISH VIEW

CONSTRUCTION JOINT END CAP - OFFSET

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH CONTINUOUS EAVE  
REFERENCE EAVE DETAILS FOR TRIM AND OR GUTTER REQUIREMENTS

EJ7035

Detailer Notes:

1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

**EJ7037 - CONSTRUCTION JOINT TERMINATION - HE & RIDGE**

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**INSTALLATION NOTES**

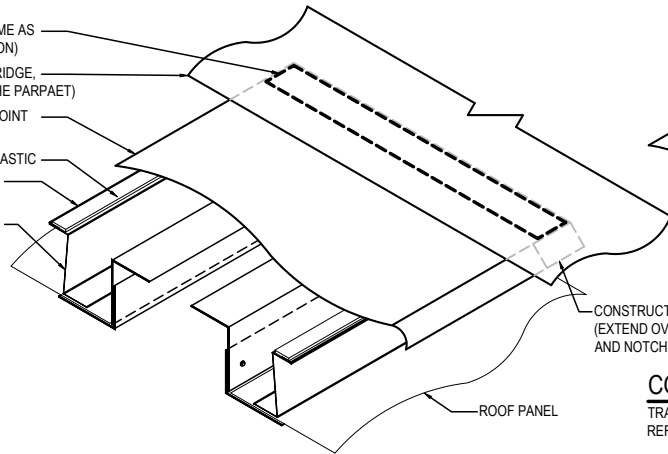
INSTALL THE CONSTRUCTION JOINT SUPPORT AND ZEE MEMBERS AS INDICATED IN THE CONSTRUCTION JOINT DETAIL. THESE MEMBERS ALONG WITH THE COVER WILL EXTEND TO THE END OF THE ROOF PANEL.

THE PANEL CLOSURES AT THE HIGH SIDE WILL INSTALL AS THE TYPICAL CLOSURES FOR THE REST OF THE PANELS.

APPLY **TAPE MASTIC** ALONG THE TOP OF THE END COVER AS SHOWN. THIS MASTIC IS THE SAME AS THE TYPICAL HIGH EAVE OR RIDGE CONDITION AND MUST JOIN WITH THE MASTIC OVER THE PANEL CLOSURES.

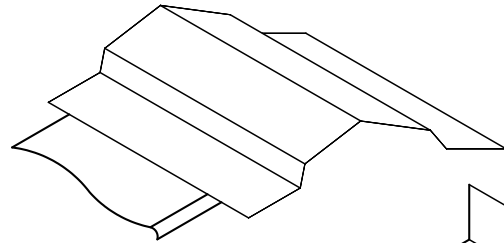
INSTALL RIDGE OR HIGH EAVE OVER TOP OF THE COVER FOLLOWING THE STANDARD FASTENER SPACING FOR THOSE TYPICAL DETAILS.

TAPE MASTIC (SAME AS TYPICAL CONDITION)  
HIGH SIDE TRIM (RIDGE, HE SCULPTURED, HE PARAPET)  
CONSTRUCTION JOINT COVER  
H3000 3/4" TAPE MASTIC  
EXPANSION JOINT SUPPORT  
EXPANSION JOINT ZEE

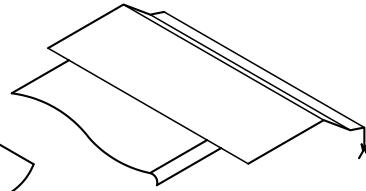


ROOF PANEL

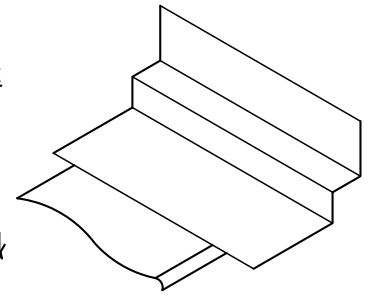
CONSTRUCTION JOINT COVER  
(EXTEND OVER PANEL CLOSURE  
AND NOTCH TURN DOWN AS REQ'D)



RIDGE



HIGH EAVE SCULPTURED  
TRAPEZOIDAL PROFILE SHOWN  
VERTICAL RIB SIMILAR



HIGH EAVE PARAPET & ROOF STEP

**FINISH VIEWS**

**CONSTRUCTION JOINT TERMINATION**

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH HIGH EAVE OR RIDGE TRIM  
REFERENCE EAVE DETAILS FOR TRIM REQUIREMENTS

**EJ7037**

**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7040 - EXPANSION JOINT END CAP - CONTINUOUS

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

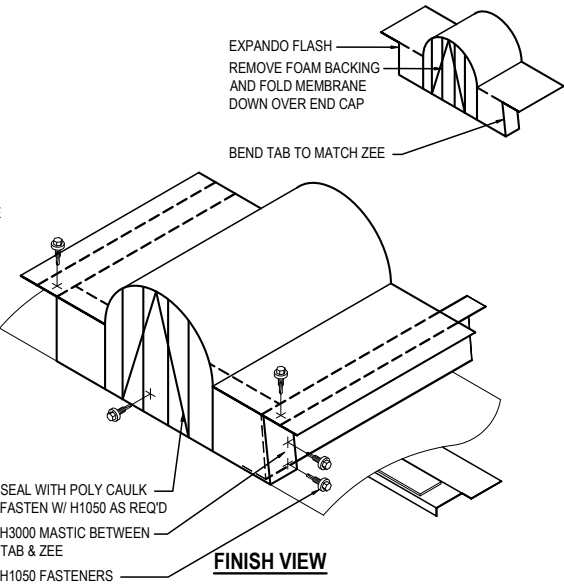
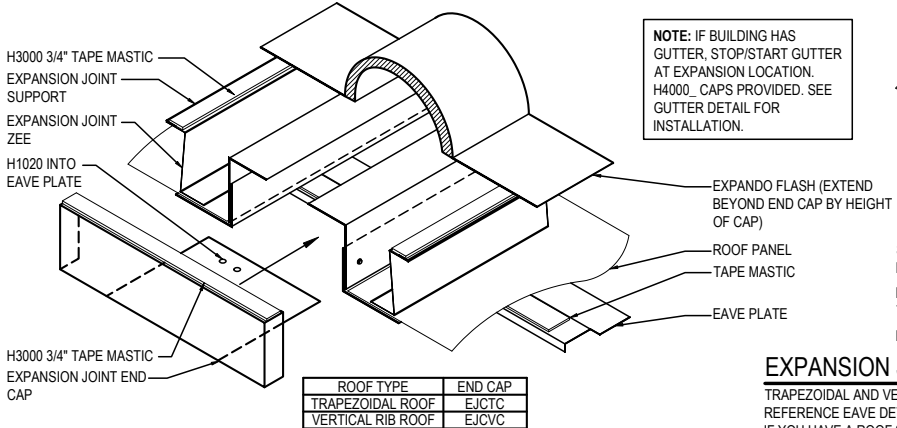
INSTALLATION NOTES

INSTALL THE EXPANSION JOINT SUPPORT AND ZEE MEMBERS AS INDICATED IN THE EXPANSION JOINT DETAIL. MAKE SURE THAT THE MASTIC OVER THE EAVE PLATE AND UNDER THE ROOF PANEL RUN CONTINUOUS INTO THE JOINT AREA. **NOTE: THE EAVE PLATE CANNOT BRIDGE THE GAP OF THE SECONDARY MEMBERS. THIS WILL NOT ALLOW PROPER MOVEMENT OF THE BUILDING.**

INSTALL END CAP FLUSH WITH END OF PANEL. THE BOTTOM LEG SHOULD EXTEND OVER TOP OF THE EAVE PLATE AND BE FASTENED INTO THE EAVE PLATE WITH (2) H1020 FASTENERS **ONLY ON ONE SIDE OF THE GAP IN THE EAVE PLATE TO ALLOW EXPANSION.**

APPLY 3/4" TAPE MASTIC (H3000) ALONG THE TOP OF THE END CAP AS SHOWN.

THE EXPANDO FLASH SHOULD EXTEND BEYOND THE END CAP ENOUGH TO BEND DOWN OVER THE END CAP. REMOVE THE FOAM BACKING FROM THE MEMBRANE. SLIT MEMBRANE AS REQUIRED TO LAY FLAT AGAINST END CAP. TAB METAL WING TO FOLD BACK AGAINST ZEE. SEAL MEMBRANE TO CAP WITH (H3152) POLYURETHANE CAULK. PLACE MASTIC BETWEEN TAB AND ZEE. FASTEN WITH H1050 FASTENERS AS SHOWN.



**EXPANSION JOINT END CAP - CONTINUOUS**  
TRAPEZOIDAL AND VERTICAL RIB ROOF WITH CONTINUOUS EAVE  
REFERENCE EAVE DETAILS FOR TRIM AND OR GUTTER REQUIREMENTS  
IF YOU HAVE A ROOF STEP CONDITION REFERENCE EJ7050 PRIOR TO INSALLATION

EJ7040

Detailer Notes:

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7045 - EXPANSION JOINT END CAP - OFFSET

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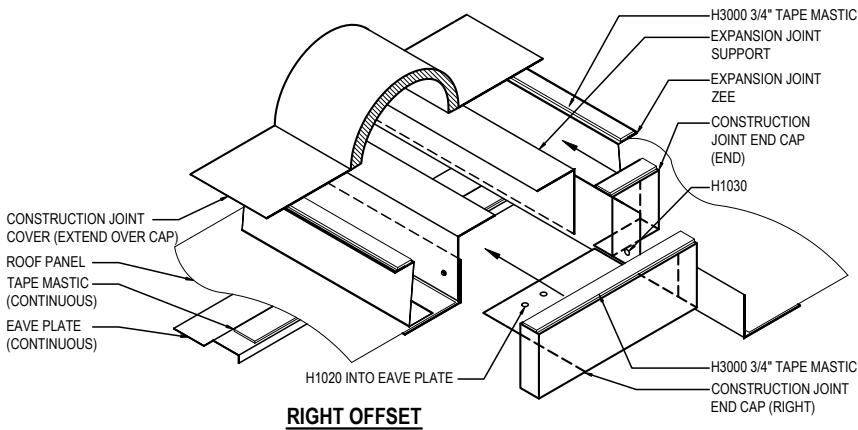
INSTALLATION NOTES

INSTALL THE EXPANSION JOINT SUPPORT AND ZEE MEMBERS AS INDICATED IN THE EXPANSION JOINT DETAIL. MAKE SURE THAT THE MASTIC OVER THE EAVE PLATE AND UNDER THE ROOF PANEL RUN CONTINUOUS INTO THE JOINT AREA. **NOTE: THE EAVE PLATE CANNOT BRIDGE THE GAP OF THE SECONDARY MEMBERS. THIS WILL NOT ALLOW PROPER MOVEMENT OF THE BUILDING.**

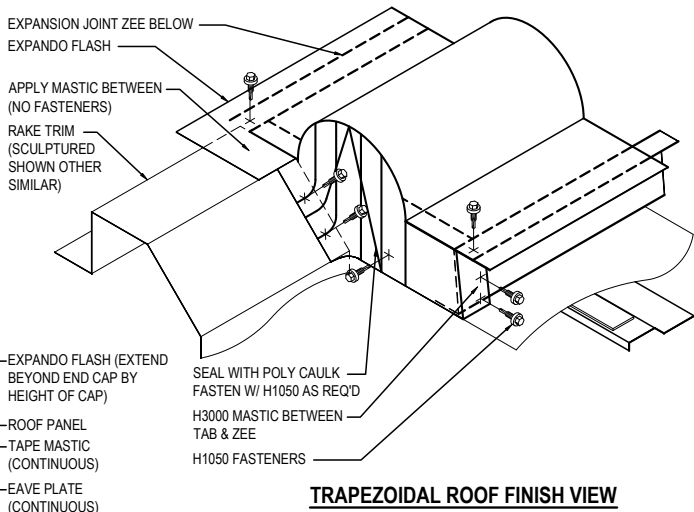
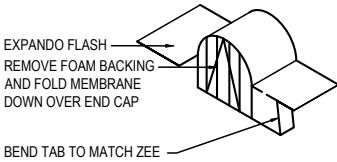
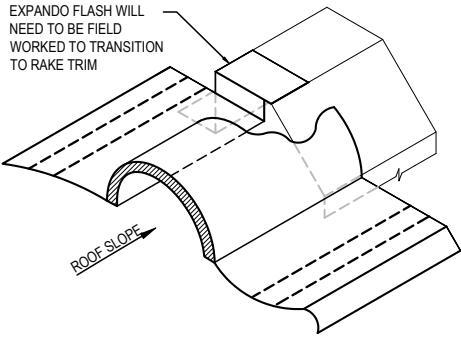
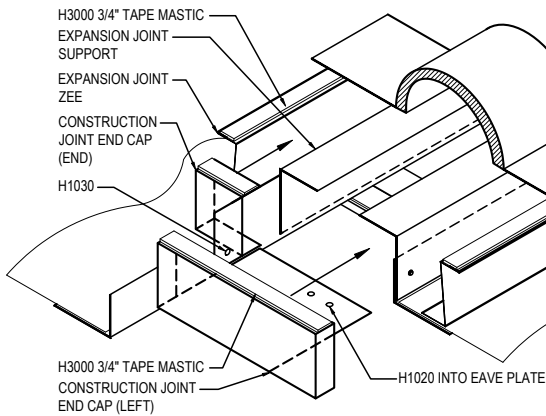
INSTALL END CAP FLUSH WITH END OF PANEL. THE BOTTOM LEG SHOULD EXTEND OVER TOP OF THE EAVE PLATE AND BE FASTENED INTO THE EAVE PLATE WITH (2) H1020 FASTENERS **ONLY ON ONE SIDE OF THE GAP IN THE EAVE PLATE TO ALLOW EXPANSION.** ATTACH THE EJC TO THE VERTICAL LEG OF THE RAKE ANGLE WITH (1) H1030 FASTENER.

APPLY 3/4" TAPE MASTIC (H3000) ALONG THE TOP OF THE END CAP AS SHOWN.

THE EXPANDO FLASH SHOULD EXTEND OVER THE RAKE TRIM. THE METAL WING SHOULD HAVE MASTIC BETWEEN IT AND THE RAKE TRIM. DO NOT FASTEN INTO THE LOWER RAKE TRIM AS IT MAY BE REQUIRED TO FLOAT. THE WING CAN SIMPLY EXTEND OVER THE RAKE TRIM WITH A TRAPEZOIDAL ROOF SYSTEM. IF THE ROOF SYSTEM IS A VERTICAL RIB ROOF THERE WILL BE ADDITIONAL FIELD WORK REQUIRED TO BEND AND TAB THE WING TO TRANSITION TO THE RAKE TRIM. REMOVE THE FOAM BACKING FROM THE MEMBRANE. SLIT MEMBRANE AS REQUIRED TO LAY FLAT AGAINST RAKE TRIM AND CAP.



ROOF TYPE	LEFT OFFSET	RIGHT OFFSET	END
TRAPEZOIDAL ROOF	EJCTL	EJCTR	EJCTE
VERTICAL RIB ROOF	EJCVL	EJCVR	EJCVE



CONSTRUCTION JOINT END CAP - OFFSET

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH CONTINUOUS EAVE  
REFERENCE EAVE DETAILS FOR TRIM AND OR GUTTER REQUIREMENTS

EJ7045

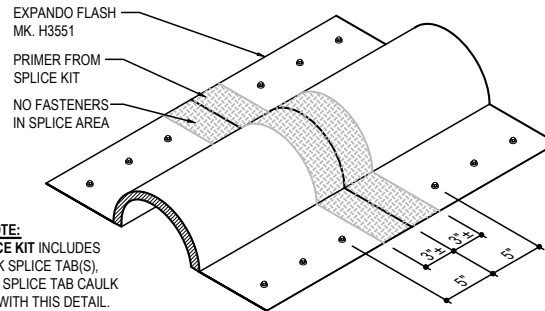
Detailer Notes:

1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7046 - EXPANSION JOINT SPLICE

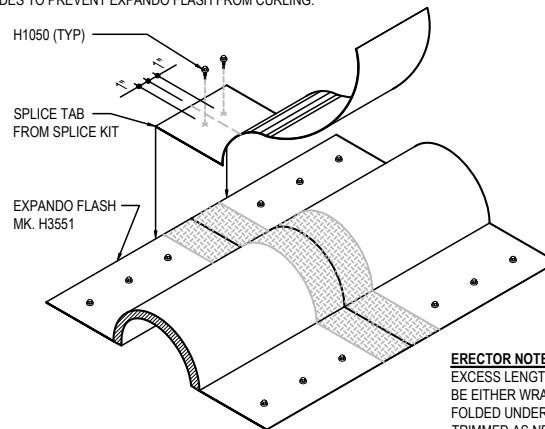
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1. ALIGN THE ENDS OF THE EXPANDO FLASH AND ENSURE THEY MATCH EACH OTHER WITH **NO GAP** AS SHOWN. **CLEAN AREA THOROUGHLY** PRIOR TO APPLYING PRIMER. APPLY THE INCLUDED **PRIMER** IN THE SPLICE KIT WITH A SMALL BRUSH ON THE METAL WINGS AND MEMBRANE. USE THE **SPLICE TAB** FROM THE KIT TO DETERMINE AREA TO APPLY PRIMER. **THE PRIMER WILL GO ON SHINNY. ALLOW PRIMER TO DRY TO TACK FREE.**



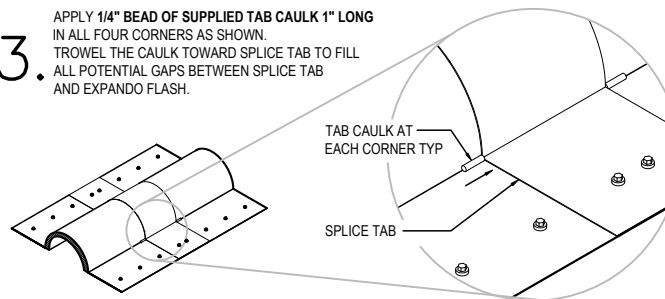
**ERECTOR NOTE:**  
**H3551K SPLICE KIT** INCLUDES  
PEEL 'N STICK SPLICE TAB(S),  
PRIMER, AND SPLICE TAB CAULK  
TO BE USED WITH THIS DETAIL.

2. PEEL THE **SPLICE TAB** AWAY FROM BACKING AND APPLY CENTERED OVER THE BUTT JOINT OF THE EXPANDO FLASH MATERIAL. DO NOT STRETCH THE SPLICE TAB AND WORK IT INTO THE CREVICES. THERE SHOULD BE NO GAPS IN THE CREVICES WHERE THE MEMBRANE MEETS THE METAL WINGS. ANY GAPS ARE POTENTIAL WATER INFILTRATION AREAS. INSTALL **FASTENERS THROUGH SPLICE TAB** AS SHOWN ON BOTH SIDES TO PREVENT EXPANDO FLASH FROM CURLING.



**ERECTOR NOTE:**  
EXCESS LENGTH OF TAB CAN  
BE EITHER WRAPPED AND  
FOLDED UNDER WING OR  
TRIMMED AS NEEDED

3. APPLY 1/4" BEAD OF SUPPLIED TAB CAULK 1" LONG IN ALL FOUR CORNERS AS SHOWN. TROWEL THE CAULK TOWARD SPLICE TAB TO FILL ALL POTENTIAL GAPS BETWEEN SPLICE TAB AND EXPANDO FLASH.



**EXPANSION JOINT SPLICE**

TYPICAL SPLICE FOR EXPANDO FLASHING AT SPLICES AND TRANSITION TO PROFILED TERMINATIONS.

**EJ7046**

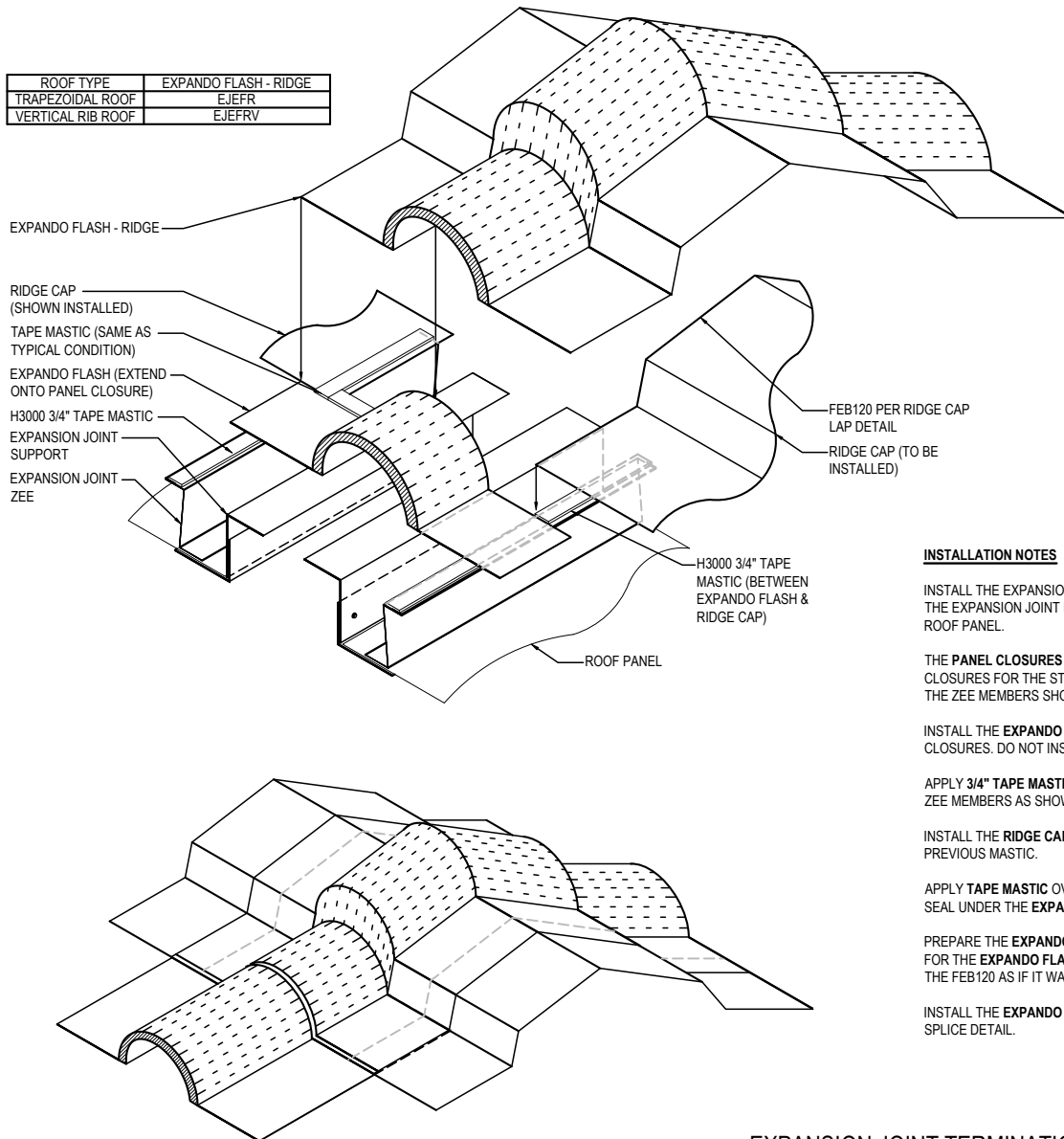
Detailer Notes:

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.
- 2) THIS DETAIL SHOULD ALWAYS BE SUPPLIED WHEN EXPANDO FLASH EXPANSION DETAILS ARE USED.

EJ7047 - EXPANSION JOINT TERMINATION - RIDGE

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

ROOF TYPE	EXPANDO FLASH - RIDGE
TRAPEZOIDAL ROOF	EJEFR
VERTICAL RIB ROOF	EJEFRV



**FINISH VIEW**

**INSTALLATION NOTES**

INSTALL THE EXPANSION JOINT **SUPPORT AND ZEE MEMBERS** AS INDICATED IN THE EXPANSION JOINT DETAIL. THESE MEMBERS WILL EXTEND TO THE END OF THE ROOF PANEL.

THE **PANEL CLOSURES** AT THE HIGH SIDE WILL INSTALL AS THE TYPICAL CLOSURES FOR THE START OR FINISH PANELS. THE **3/4\" TAPE MASTIC** ON TOP OF THE ZEE MEMBERS SHOULD EXTEND TO TOP EDGE OF PANEL CLOSURES.

INSTALL THE **EXPANDO FLASH** TO EXTEND TO TOP EDGE OF THE PANEL CLOSURES. DO NOT INSTALL FASTENERS WHERE THE RIDGE CAP WILL COVER.

APPLY **3/4\" TAPE MASTIC** OVER THE EXPANDO FLASH WING DIRECTLY ABOVE THE ZEE MEMBERS AS SHOWN. THIS WILL SEAL RIDGE CAP TO THE EXPANDO FLASH.

INSTALL THE **RIDGE CAP** OVER TOP OF THE **EXPANDO FLASH** AND SEAT INTO THE PREVIOUS MASTIC.

APPLY **TAPE MASTIC** OVER THE **RIDGE CAP / EXPANDO FLASH WING** AS SHOWN TO SEAL UNDER THE **EXPANDO FLASH RIDGE** PIECE.

PREPARE THE **EXPANDO FLASH RIDGE** PIECE ACCORDING THE SPLICE DETAILS FOR THE **EXPANDO FLASH**. ALSO PREPARE THE ENDS OF THE **RIDGE CAP** AS WITH THE FEB120 AS IF IT WAS A LAP IN THE RIDGE DETAIL.

INSTALL THE **EXPANDO FLASH RIDGE** PIECE AND FASTEN SAME AS THE RIDGE CAP SPLICE DETAIL.

**EXPANSION JOINT TERMINATION**

TRAPEZOIDAL AND VERTICAL RIB ROOF AT RIDGE CAP  
REFERENCE RIDGE DETAILS FOR TRIM REQUIREMENTS

**EJ7047**

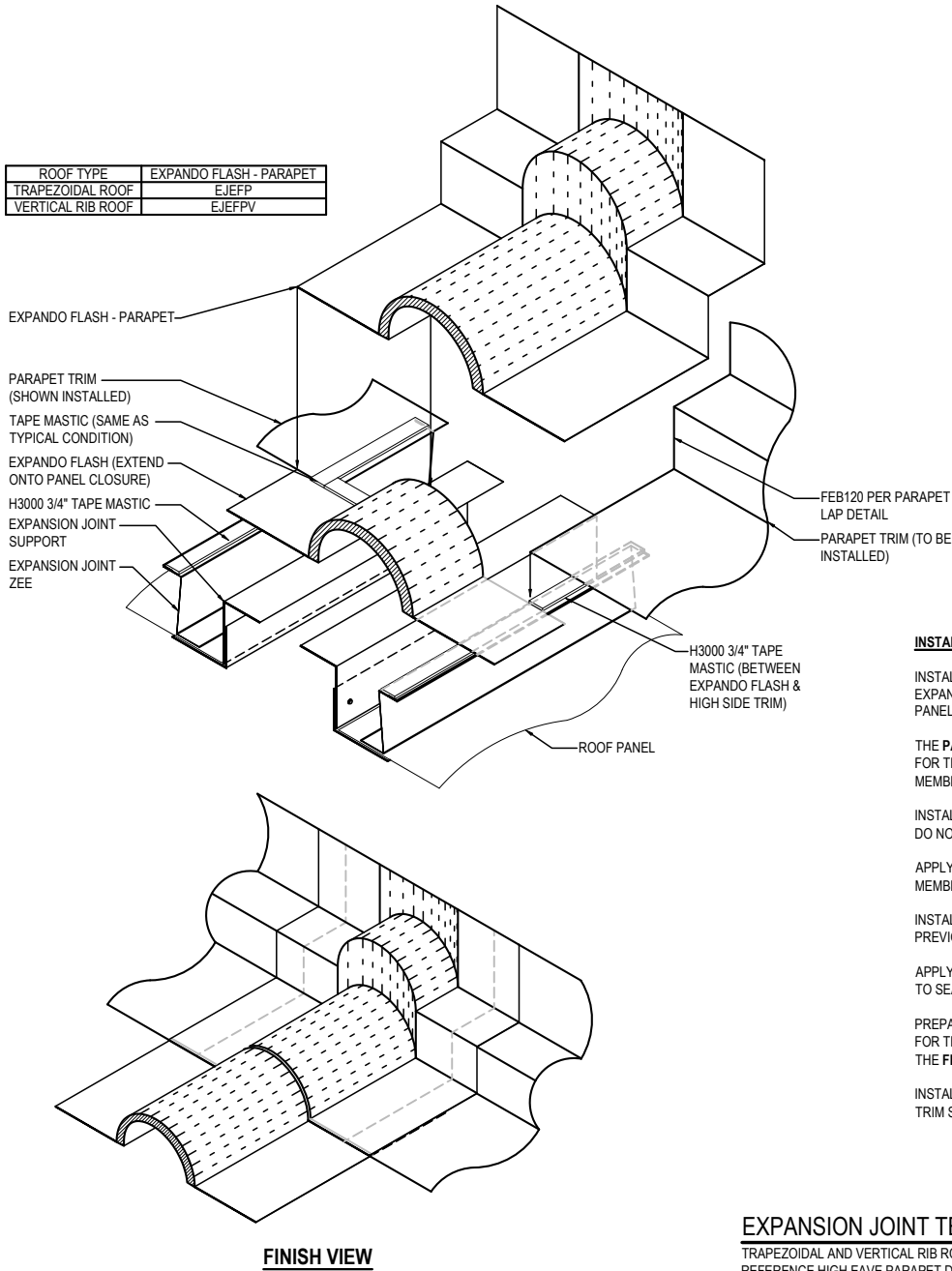
**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.



EJ7048 - EXPANSION JOINT TERMINATION - HE PARAPET

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**INSTALLATION NOTES**

- INSTALL THE EXPANSION JOINT **SUPPORT AND ZEE MEMBERS** AS INDICATED IN THE EXPANSION JOINT DETAIL. THESE MEMBERS WILL EXTEND TO THE END OF THE ROOF PANEL.
- THE **PANEL CLOSURES** AT THE HIGH SIDE WILL INSTALL AS THE TYPICAL CLOSURES FOR THE START OR FINISH PANELS. THE **3/4" TAPE MASTIC** ON TOP OF THE ZEE MEMBERS SHOULD EXTEND TO TOP EDGE OF PANEL CLOSURES.
- INSTALL THE **EXPANDO FLASH** TO EXTEND TO TOP EDGE OF THE PANEL CLOSURES. DO NOT INSTALL FASTENERS WHERE THE RIDGE CAP WILL COVER.
- APPLY **3/4" TAPE MASTIC** OVER THE EXPANDO FLASH WING DIRECTLY ABOVE THE ZEE MEMBERS AS SHOWN. THIS WILL SEAL RIDGE CAP TO THE EXPANDO FLASH.
- INSTALL THE **PARAPET TRIM** OVER TOP OF THE **EXPANDO FLASH** AND SEAT INTO THE PREVIOUS MASTIC.
- APPLY **TAPE MASTIC** OVER THE **PARAPET TRIM / EXPANDO FLASH WING** AS SHOWN TO SEAL UNDER THE **EXPANDO FLASH RIDGE** PIECE.
- PREPARE THE **EXPANDO FLASH PARAPET** PIECE ACCORDING THE SPLICE DETAILS FOR THE **EXPANDO FLASH**. ALSO PREPARE THE ENDS OF THE **PARAPET TRIM** AS WITH THE **FEB120** AS IF IT WAS A LAP IN THE RIDGE DETAIL.
- INSTALL THE **EXPANDO FLASH PARAPET** PIECE AND FASTEN SAME AS THE PARAPET TRIM SPLICE DETAIL.

**EXPANSION JOINT TERMINATION**

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH HIGH EAVE PARAPET TRIM  
REFERENCE HIGH EAVE PARAPET DETAILS FOR TRIM REQUIREMENTS

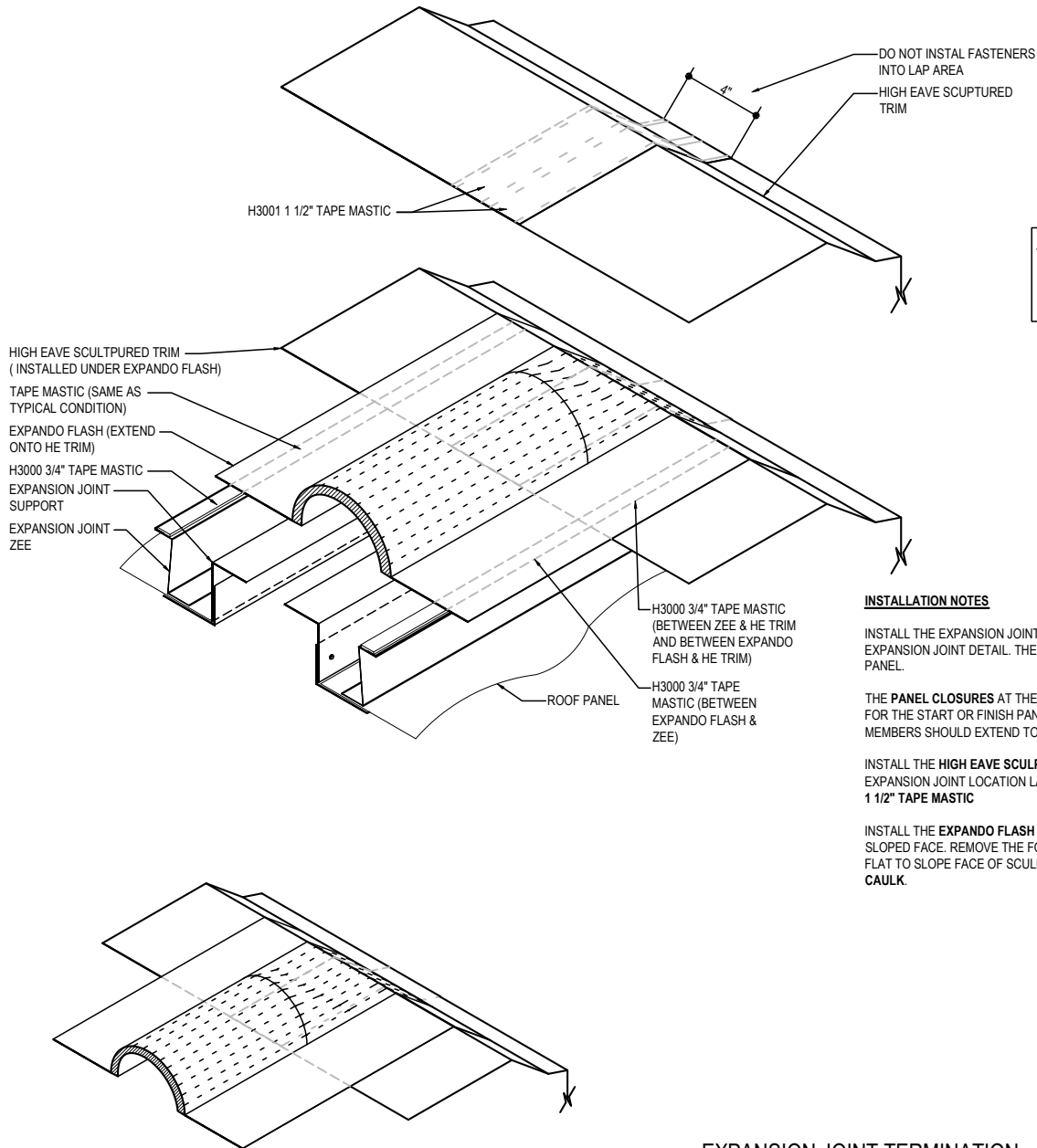
EJ7048

**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7049 - EXPANSION JOINT TERMINATION - HE SCULPTURED

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**NOTE:**  
TRAPEZOIDAL ROOF  
SCULPTURED TRIM SHOWN,  
VERTICAL RIB ROOF TRIM  
SIMILAR.

**INSTALLATION NOTES**

INSTALL THE EXPANSION JOINT **SUPPORT AND ZEE MEMBERS** AS INDICATED IN THE EXPANSION JOINT DETAIL. THESE MEMBERS WILL EXTEND TO THE END OF THE ROOF PANEL.

THE **PANEL CLOSURES** AT THE HIGH SIDE WILL INSTALL AS THE TYPICAL CLOSURES FOR THE START OR FINISH PANELS. THE **3/4\"**

INSTALL THE **HIGH EAVE SCULPTURED TRIM** PER THE TYPICAL DETAIL. AT THE EXPANSION JOINT LOCATION LAP THE SCULPTURED TRIMS 4\"

INSTALL THE **EXPANDO FLASH** TO EXTEND OVER THE HIGH EAVE SCULPTURED TRIM SLOPED FACE. REMOVE THE FOAM BACKING AND SLIT MEMBRANE AS REQ'D TO LAY FLAT TO SLOPE FACE OF SCULPTURED TRIM. SEAL WITH **POLYURETHANE TUBE CAULK**.

**FINISH VIEW**

**EXPANSION JOINT TERMINATION**

TRAPEZOIDAL AND VERTICAL RIB ROOF WITH HIGH EAVE SCULPTURED TRIM  
REFERENCE HIGH EAVE DETAILS FOR TRIM REQUIREMENTS

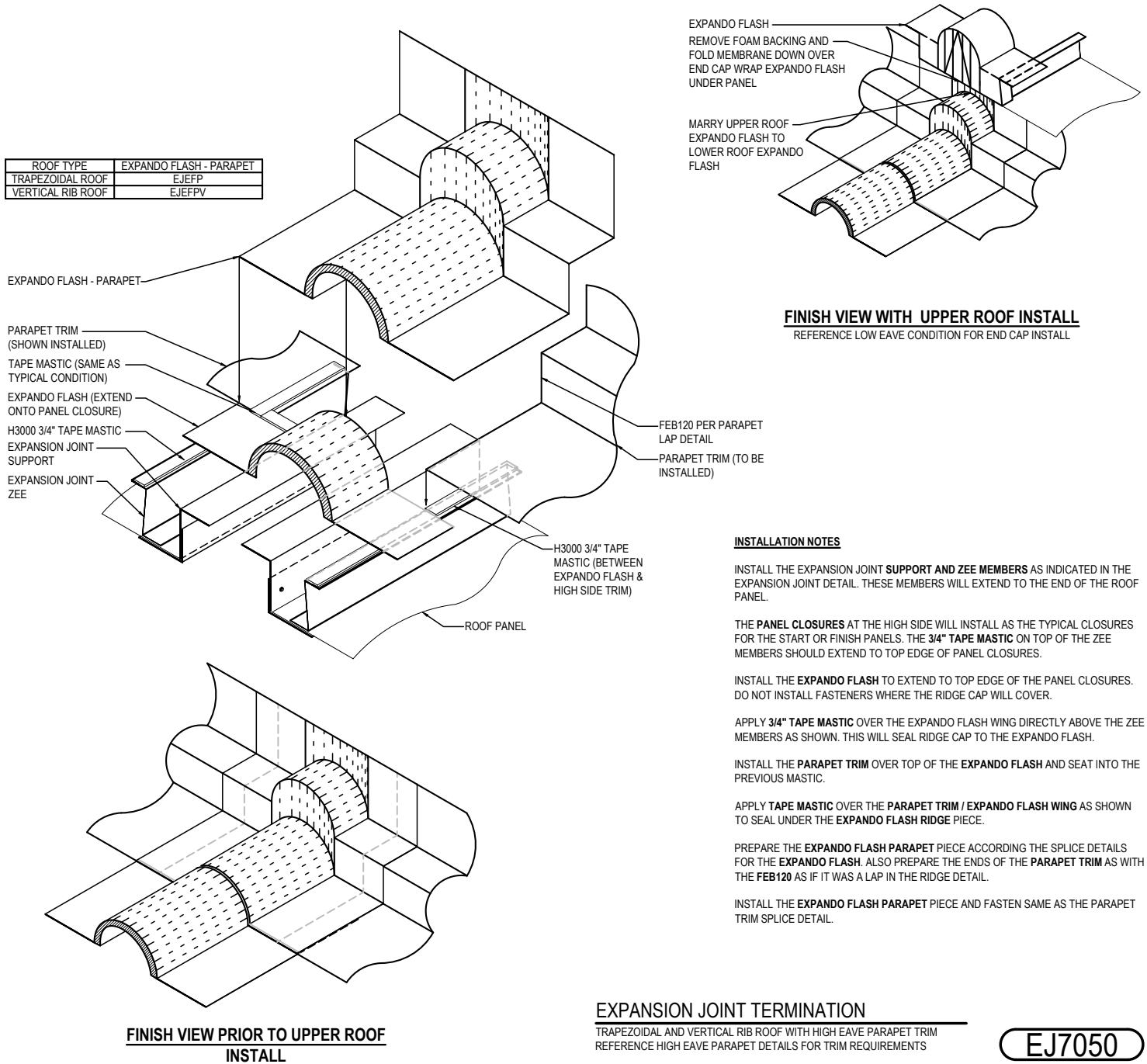
**EJ7049**

**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

**EJ7050 - EXPANSION JOINT TERMINATION - ROOF STEP**

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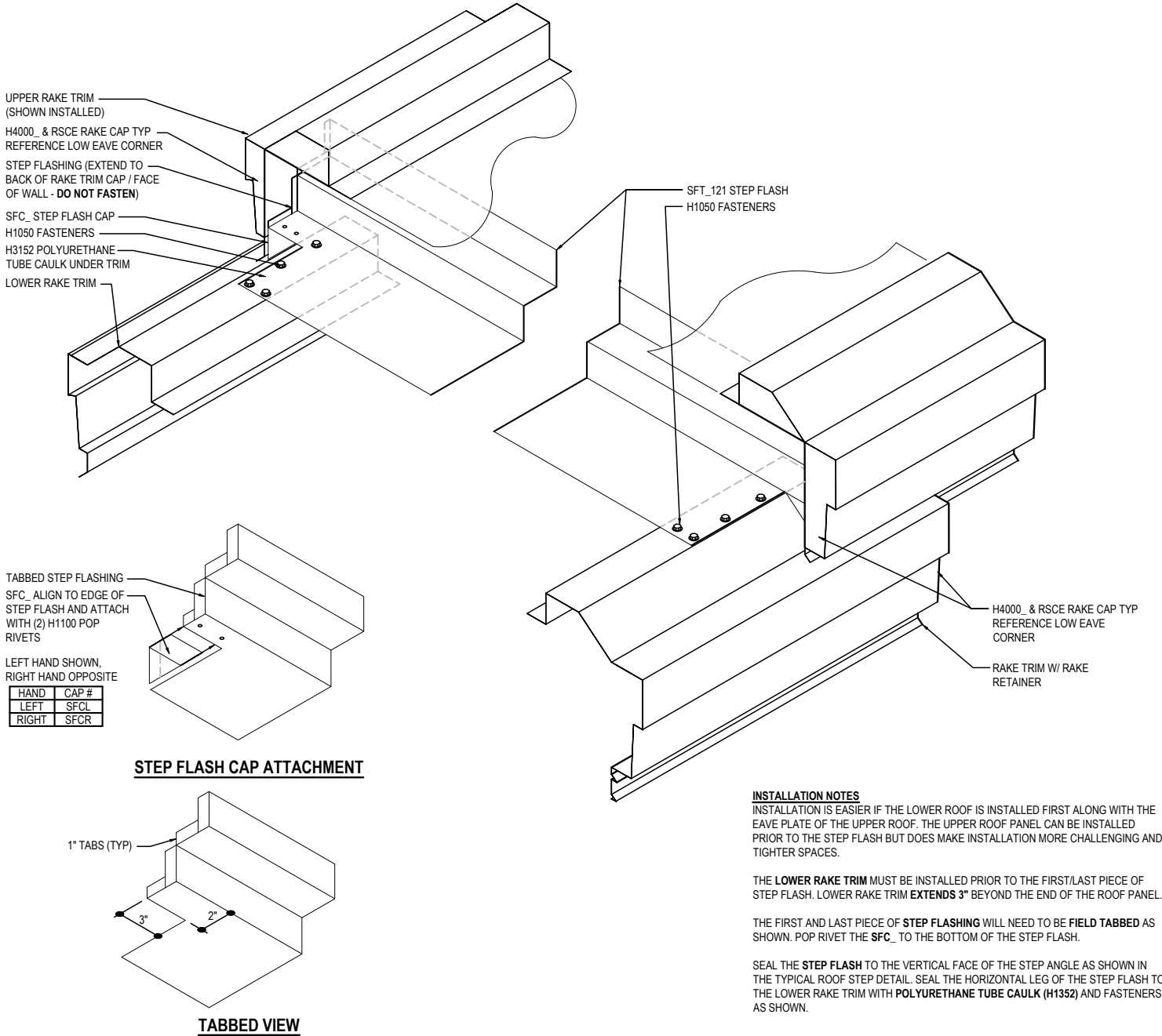


**Detailer Notes:**

- 1) THIS DETAIL WORKS FOR BOTH TRAP & VERTICAL RIB ROOF SYSTEMS.

EJ7350 - ROOF STEP TERMINATION - VR

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ROOF STEP TERMINATION  
VERTICAL RIB ROOF WITH SCULPTURED RAKE TRIM  
REFERENCE TYPICAL ROOF STEP DETAIL FOR FURTHER INFORMATION

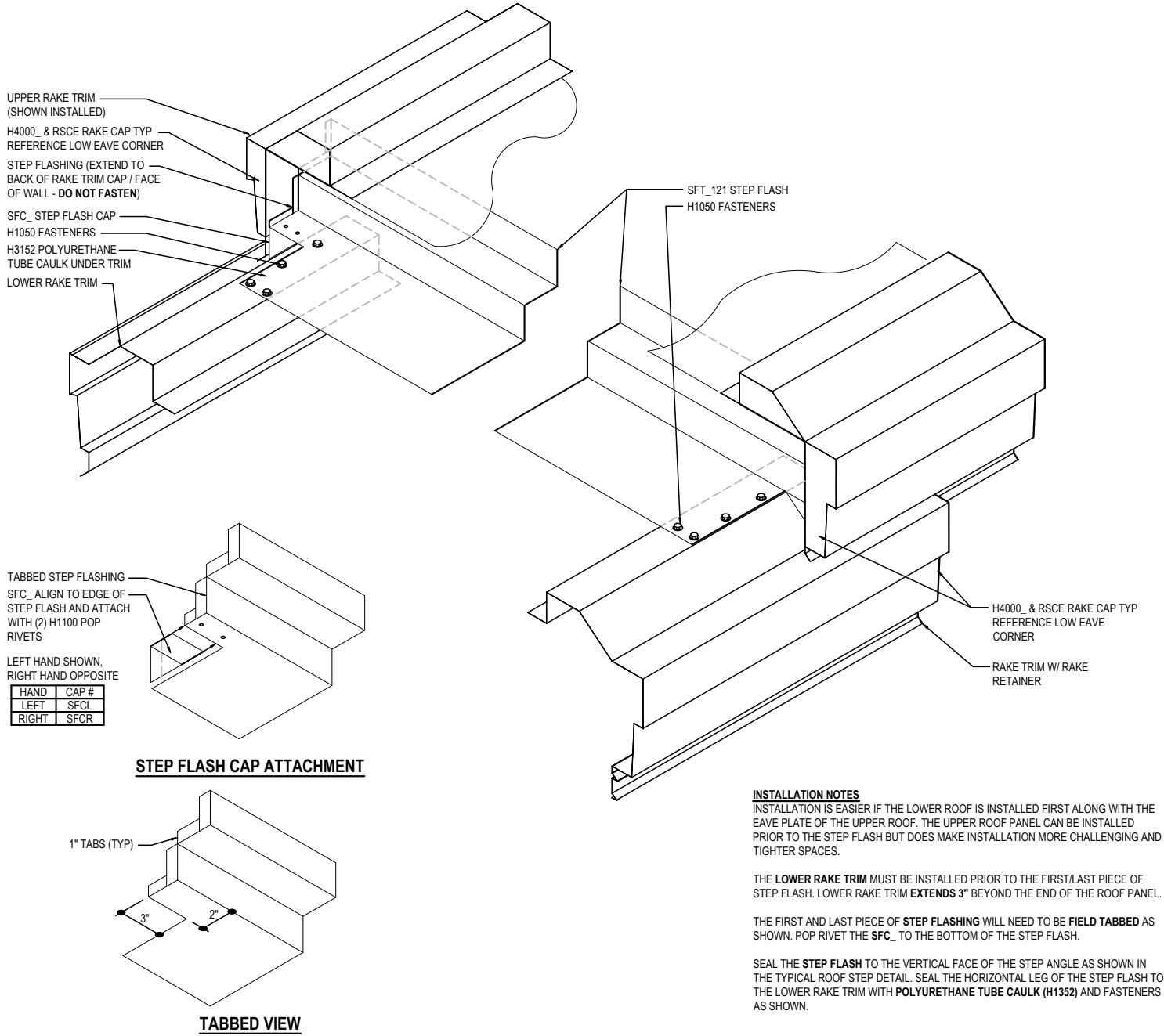
EJ7350

Detailer Notes:

- 1) THIS DETAIL IS DUPLICATE OF EJ7650. DUPLICATE DETAILS ARE TO ENSURE THAT THEY ARE PLACED IN ORDER IN ERECTION DRAWINGS

EJ7650 - ROOF STEP TERMINATION - TRAP

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



ROOF STEP TERMINATION  
TRAPEZOIDAL RIB ROOF WITH SCULPTURED RAKE TRIM  
REFERENCE TYPICAL ROOF STEP DETAIL FOR FURTHER INFORMATION

EJ7650

Detailer Notes:

- 1) THIS DETAIL IS DUPLICATE OF FJ2750. DUPLICATE DETAILS ARE TO ENSURE THAT THEY ARE PLACED IN ORDER IN ERECTION DRAWINGS