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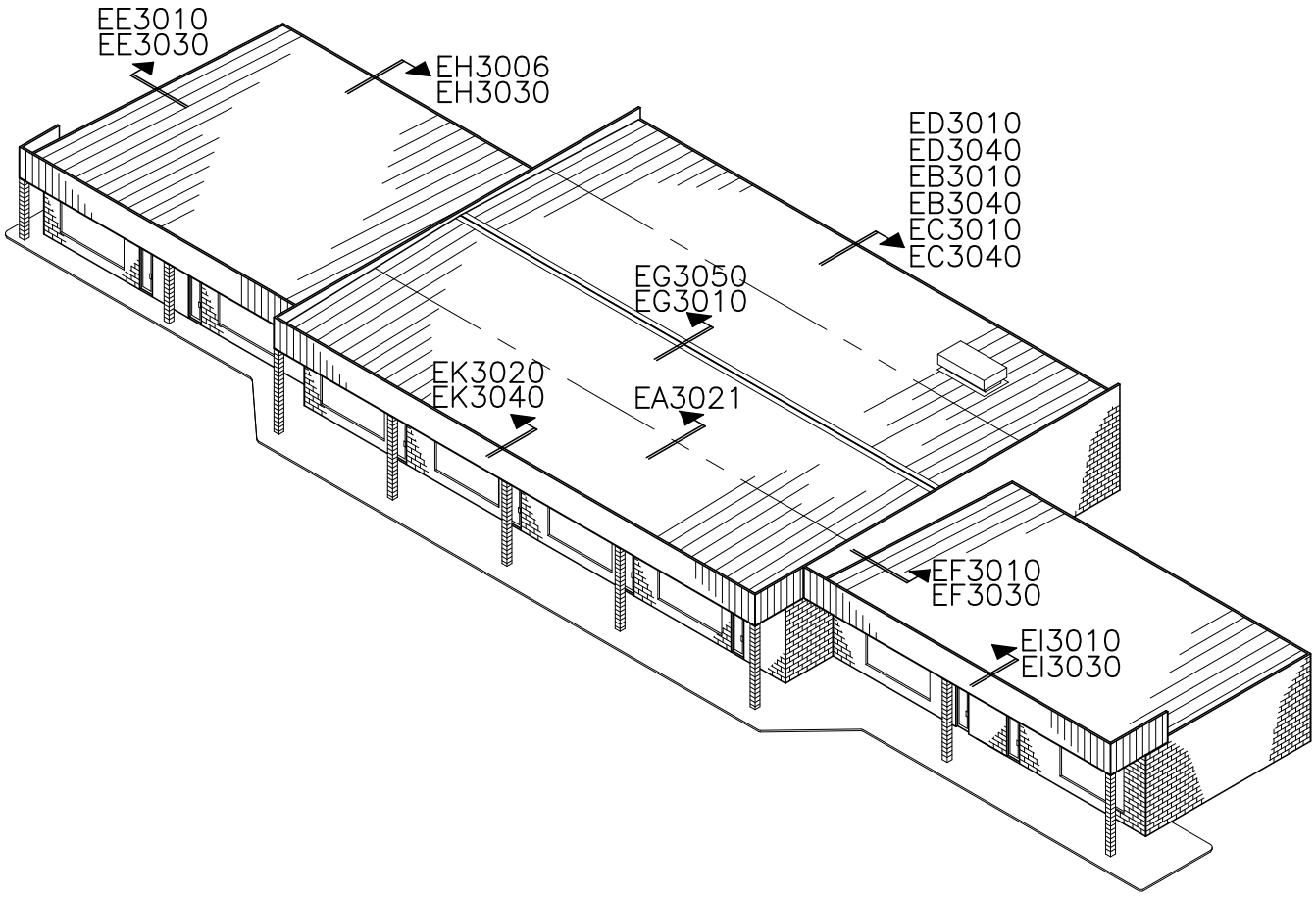
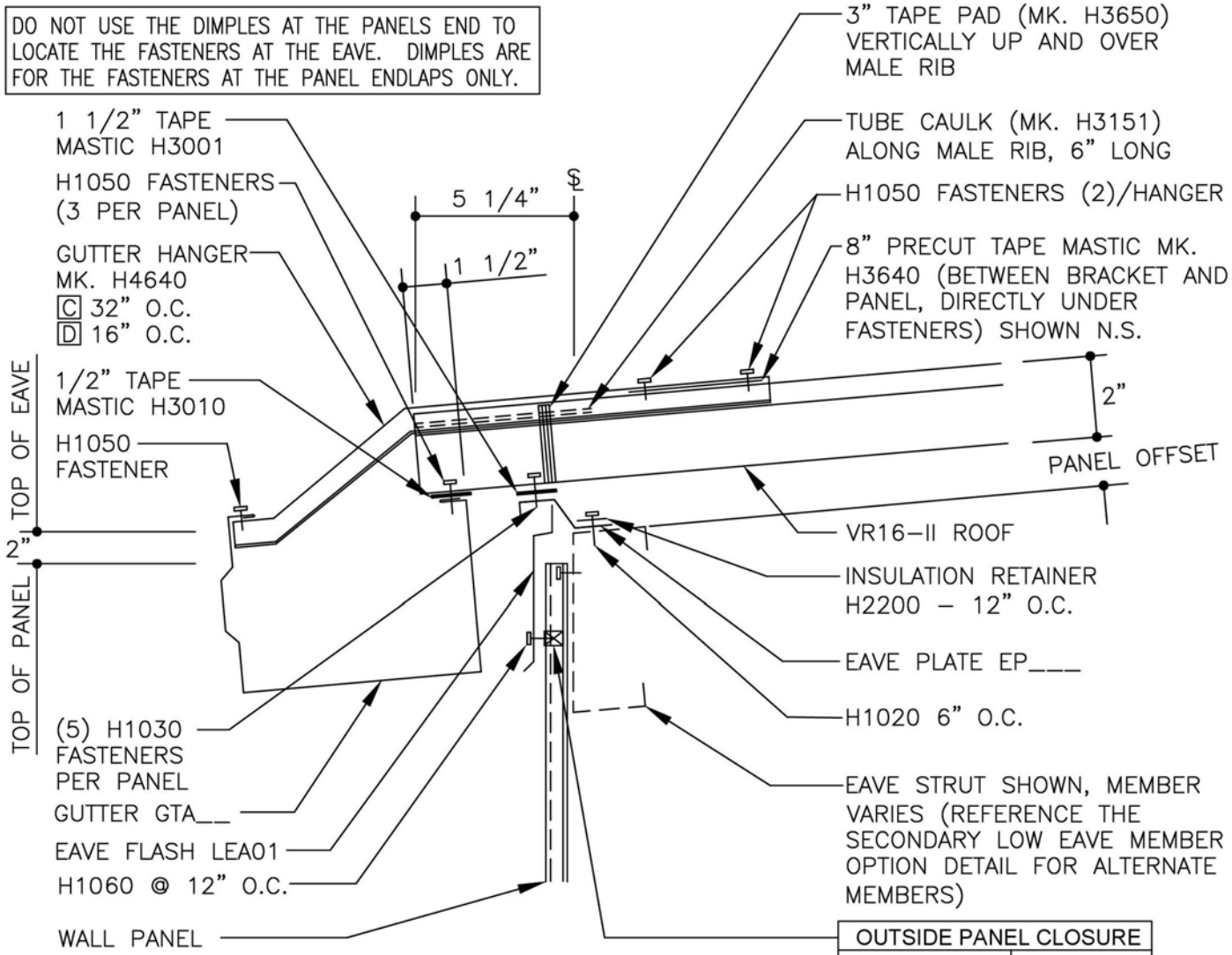
## CF0035PE – BUILDING ELEVATION



## LOW EAVE DETAILS
## ED3010 – STANDARD LOW EAVE (GUTTER) – EAVE STRUT




| OUTSIDE PANEL CLOSURE | |
|---|---|
| CLASSIC | H3400 |
| REV. CLASSIC | H3410 |
| ACCENT | H3420 |

# EAVE GUTTER DETAIL

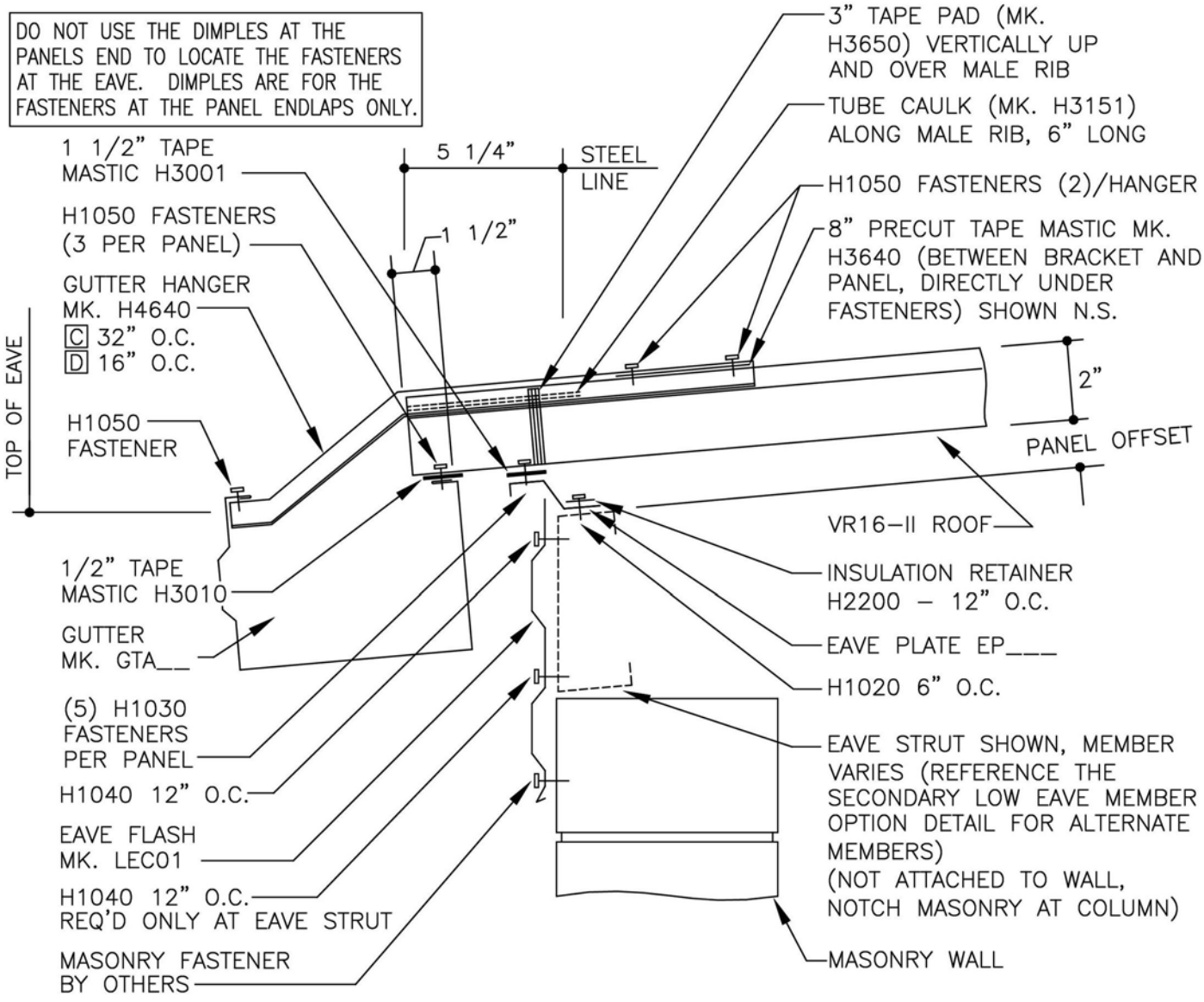
VR16–II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**ED3010**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## ED3040 – LOW EAVE (GUTTER) @ MASONRY OR CONCRETE – EAVE STRUT

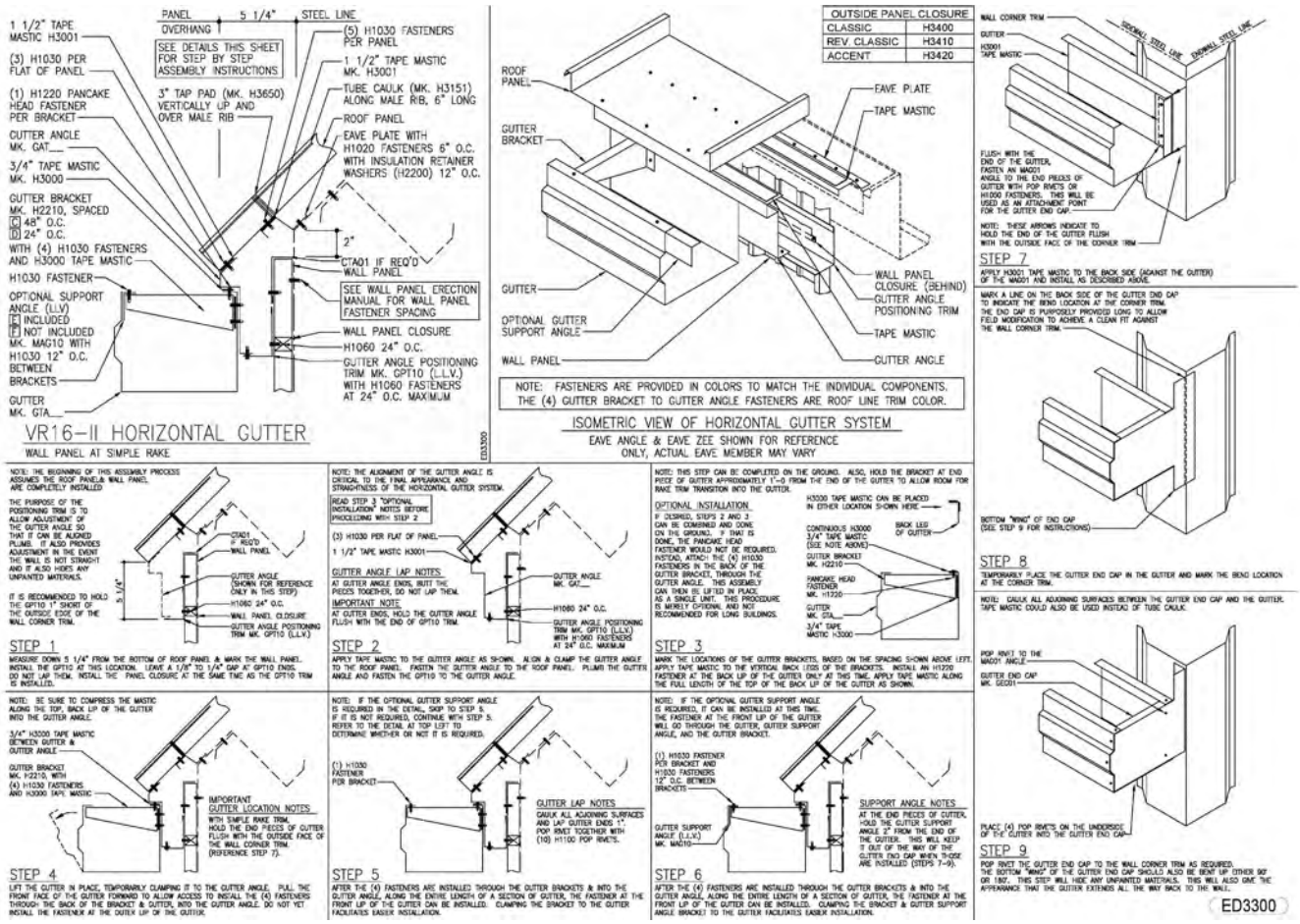



# EAVE GUTTER DETAIL

VR16–II ROOF AT MASONRY WALL

**ED3040**

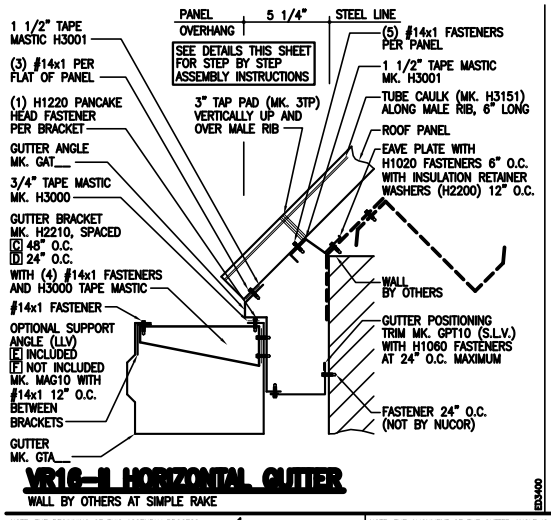
## ED3300 – LOW EAVE (HORIZONTAL GUTTER) – STANDARD WALL PANEL




WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

| LAST REVISION DATE: 09/09/21 BY: SLF CHK: KMC | DETAIL NAME IF APPLICABLE | 11.7.6 |
|---|---|---|
| | ED3300.DWG | |

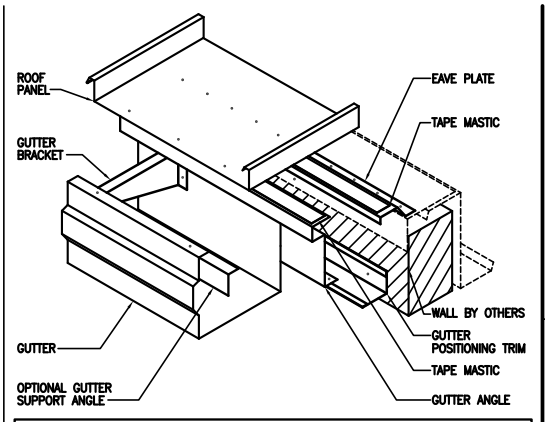
# ED3400 – LOW EAVE (HORIZONTAL GUTTER) – MASONRY WALL




**VR16–II HORIZONTAL GUTTER**

WALL BY OTHERS AT SIMPLE RAKE

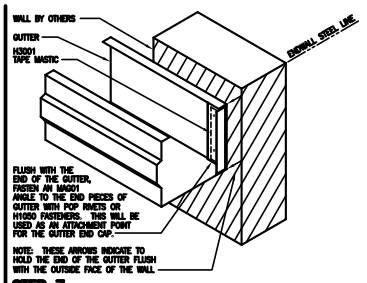
ED3400




NOTE: FASTENERS ARE PROVIDED IN COLORS TO MATCH THE INDIVIDUAL COMPONENTS. THE (4) GUTTER BRACKET TO GUTTER ANGLE FASTENERS ARE ROOF LINE TRIM COLOR.

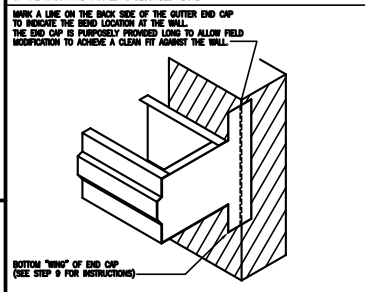
**ISOMETRIC VIEW OF HORIZONTAL GUTTER SYSTEM**

EAVE ANGLE & EAVE ZEE SHOWN FOR REFERENCE ONLY, ACTUAL EAVE MEMBER MAY VARY



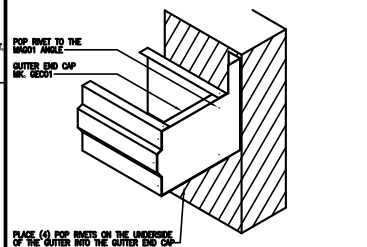

**STEP 7**

APPLY H3001 TAPE MASTIC TO THE BACK SIDE (AGAINST THE GUTTER) OF THE MAG01 AND INSTALL AS DESCRIBED ABOVE.




**STEP 8**

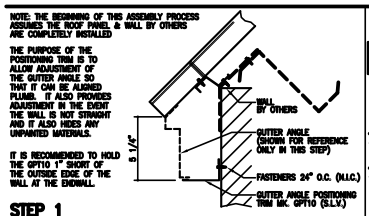
TEMPORARILY PLACE THE GUTTER END CAP IN THE GUTTER AND MARK THE BEND LOCATION AT THE WALL CORNER.




**STEP 9**

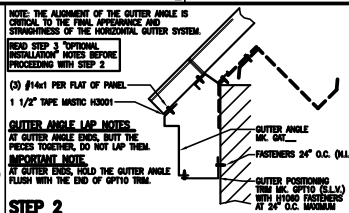
FASTEN THE GUTTER END CAP TO THE WALL AS REQUIRED. THE BOTTOM "WING" OF THE GUTTER END CAP SHOULD ALSO BE BENT UP EITHER 90° OR 100°. THIS STEP WILL HIDE ANY UNPAINTED MATERIALS. THIS WILL ALSO GIVE THE APPEARANCE THAT THE GUTTER EXTENDS ALL THE WAY BACK TO THE WALL.

ED3400



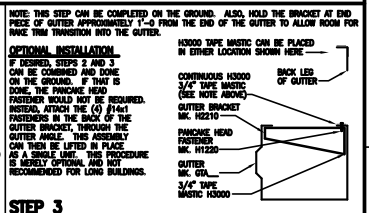

**STEP 1**

MEASURE DOWN 5 1/4" FROM THE BOTTOM OF ROOF PANEL & MARK THE WALL. INSTALL THE GPT10 AT THIS LOCATION. LEAVE A 1/8" TO 1/4" GAP AT GPT10 ENDS. DO NOT LAP THEM.



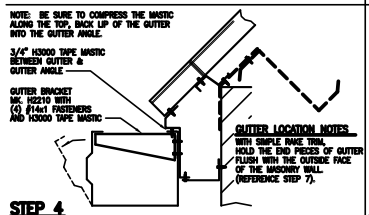

**STEP 2**

APPLY TAPE MASTIC TO THE GUTTER ANGLE AS SHOWN. ALIGN & CLAMP THE GUTTER ANGLE TO THE ROOF PANEL. FASTEN THE GUTTER ANGLE TO THE ROOF PANEL. PLUMB THE GUTTER ANGLE AND FASTEN THE GPT10 TO THE GUTTER ANGLE.



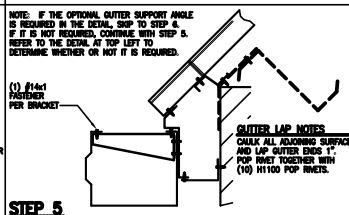

**STEP 3**

MARK THE LOCATIONS OF THE GUTTER BRACKETS, BASED ON THE SPACING SHOWN ABOVE LEFT. APPLY TAPE MASTIC TO THE VERTICAL BACK LEGS OF THE BRACKETS. INSTALL AN H1220 FASTENER AT THE BACK LIP OF THE GUTTER ONLY AT THIS TIME. APPLY TAPE MASTIC ALONG THE FULL LENGTH OF THE TOP OF THE BACK LIP OF THE GUTTER AS SHOWN.



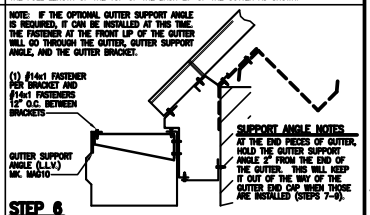

**STEP 4**

LIFT THE GUTTER IN PLACE, TEMPORARILY CLAMPING IT TO THE GUTTER ANGLE. PULL THE FRONT FACE OF THE GUTTER FORWARD TO ALLOW ACCESS TO INSTALL THE (4) FASTENERS THROUGH THE BACK OF THE BRACKET & GUTTER, INTO THE GUTTER ANGLE. DO NOT YET INSTALL THE FASTENER AT THE OUTER LIP OF THE GUTTER.




**STEP 5**

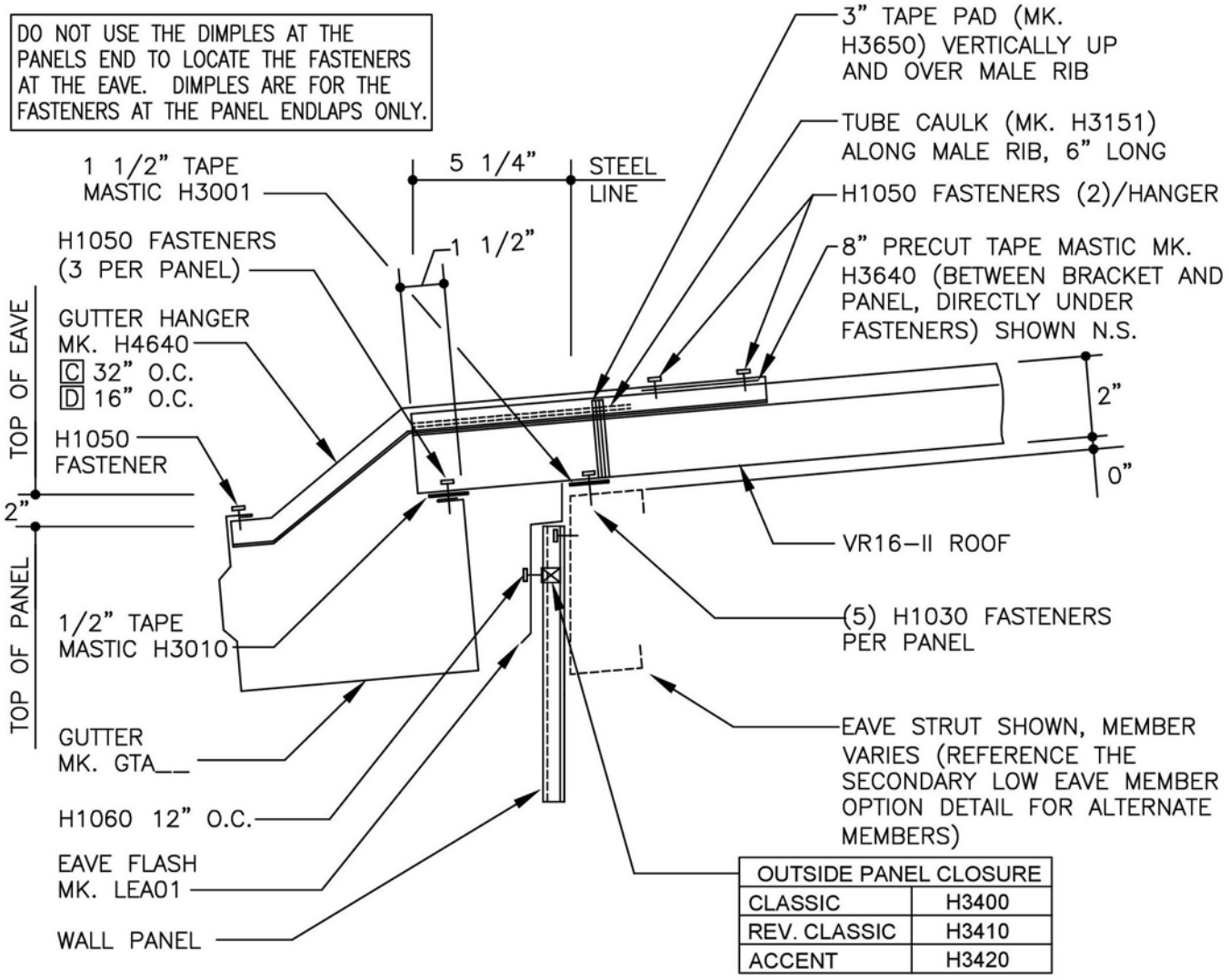
AFTER THE (4) FASTENERS ARE INSTALLED THROUGH THE GUTTER BRACKETS & INTO THE GUTTER ANGLE, ALONG THE ENTIRE LENGTH OF A SECTION OF GUTTER, THE FASTENER AT THE FRONT LIP OF THE GUTTER CAN BE INSTALLED. CLAMPING THE BRACKET TO THE GUTTER FACILITATES EASIER INSTALLATION.




**STEP 6**

AFTER THE (4) FASTENERS ARE INSTALLED THROUGH THE GUTTER BRACKETS & INTO THE GUTTER ANGLE, ALONG THE ENTIRE LENGTH OF A SECTION OF GUTTER, THE FASTENER AT THE FRONT LIP OF THE GUTTER CAN BE INSTALLED. CLAMPING THE BRACKET & GUTTER SUPPORT ANGLE BRACKET TO THE GUTTER FACILITATES EASIER INSTALLATION.

## ED3510 – LOW EAVE GUTTER WITH UTILITY CLIP



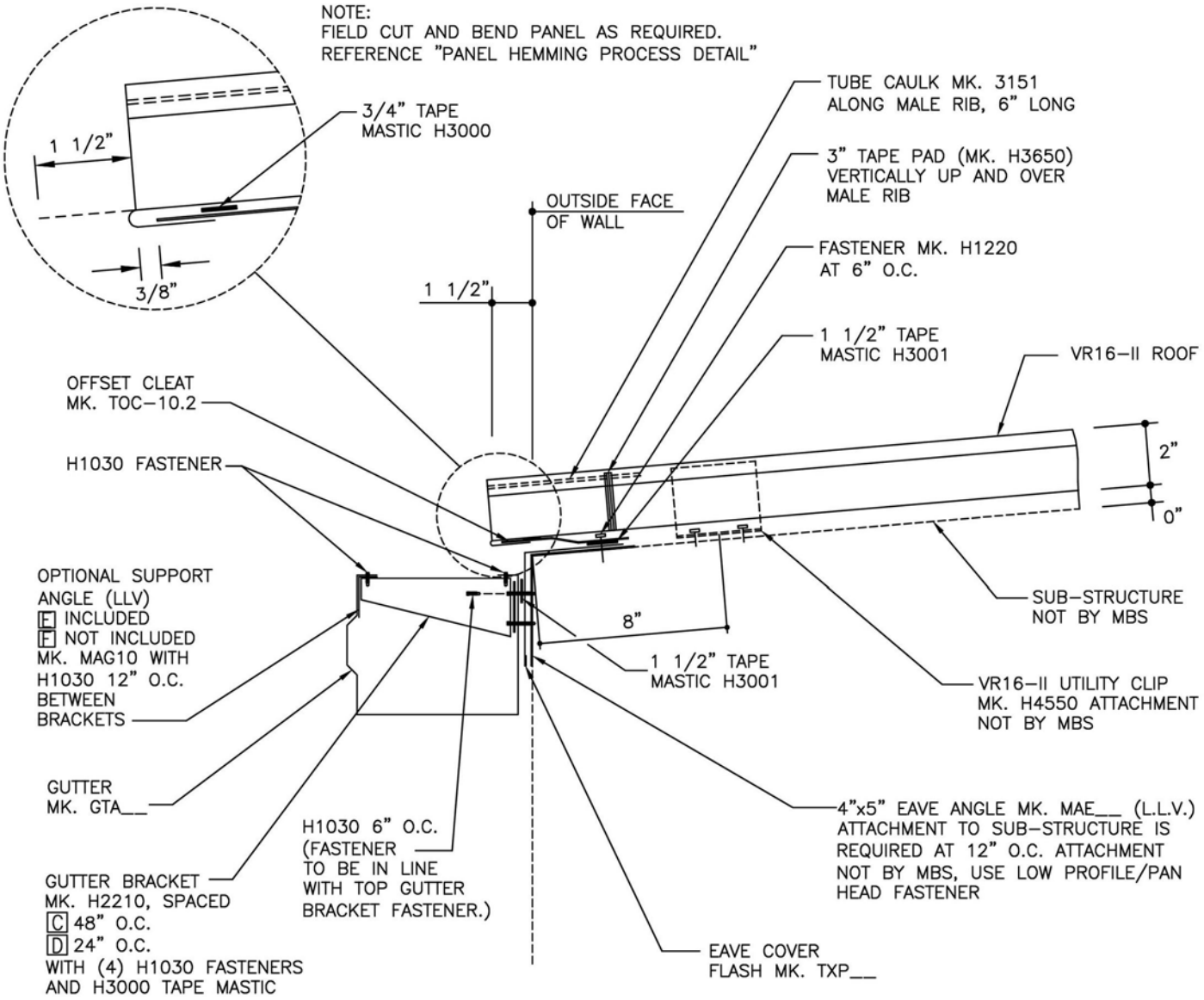

# EAVE GUTTER DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**ED3510**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## ED3570 – LOW EAVE GUTTER WITH UTILITY CLIP SUBSTRUCTURE BY OTHERS

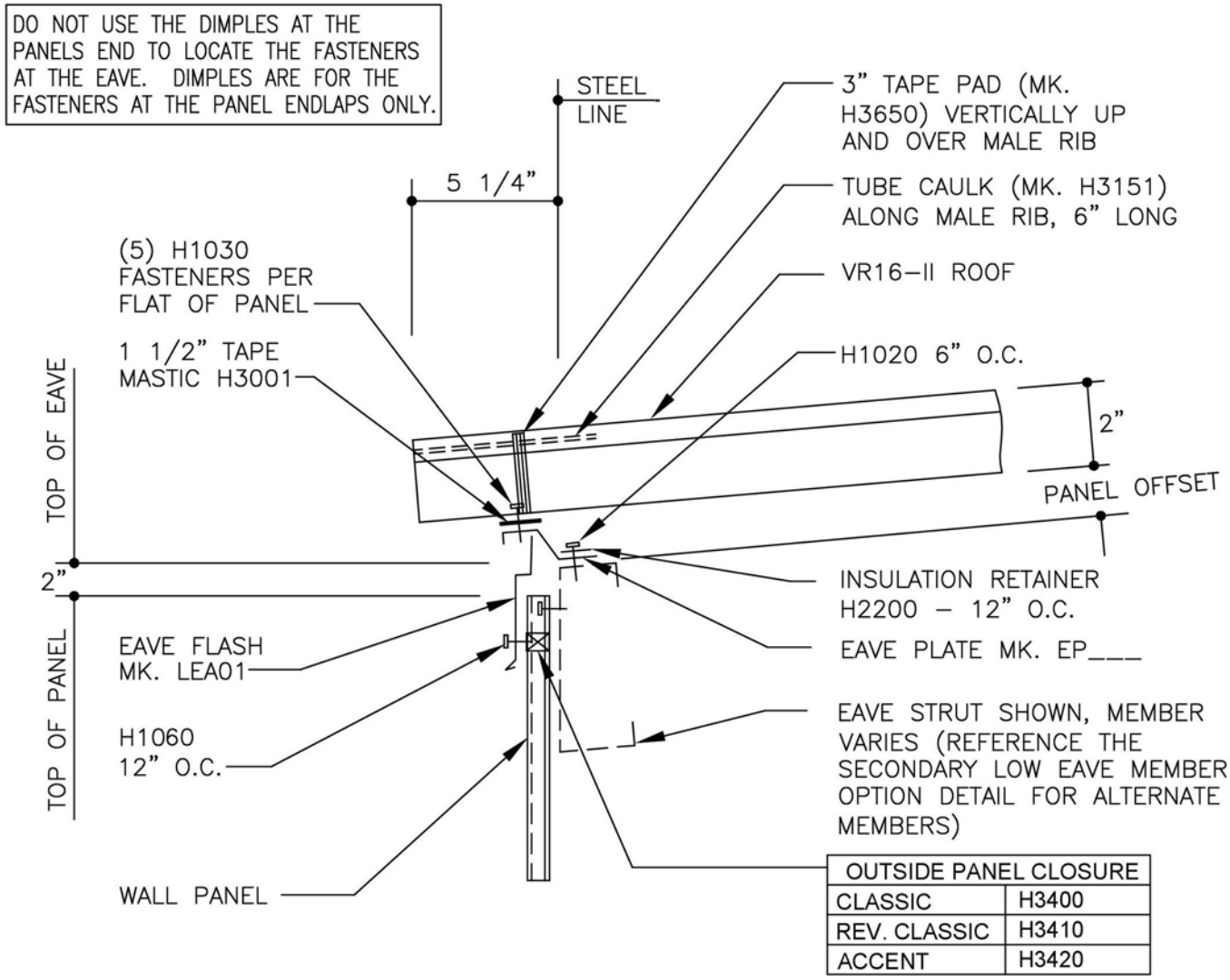



EAVE GUTTER DETAIL

VR16-II ROOF WITH UTILITY CLIP, NO INSULATION
SUB-STRUCTURE BY OTHERS

ED3570

## EB3010 – LOW EAVE (SIMPLE FLASH) – EAVE STRUT




| OUTSIDE PANEL CLOSURE | |
|---|---|
| CLASSIC | H3400 |
| REV. CLASSIC | H3410 |
| ACCENT | H3420 |

# SIMPLE EAVE DETAIL

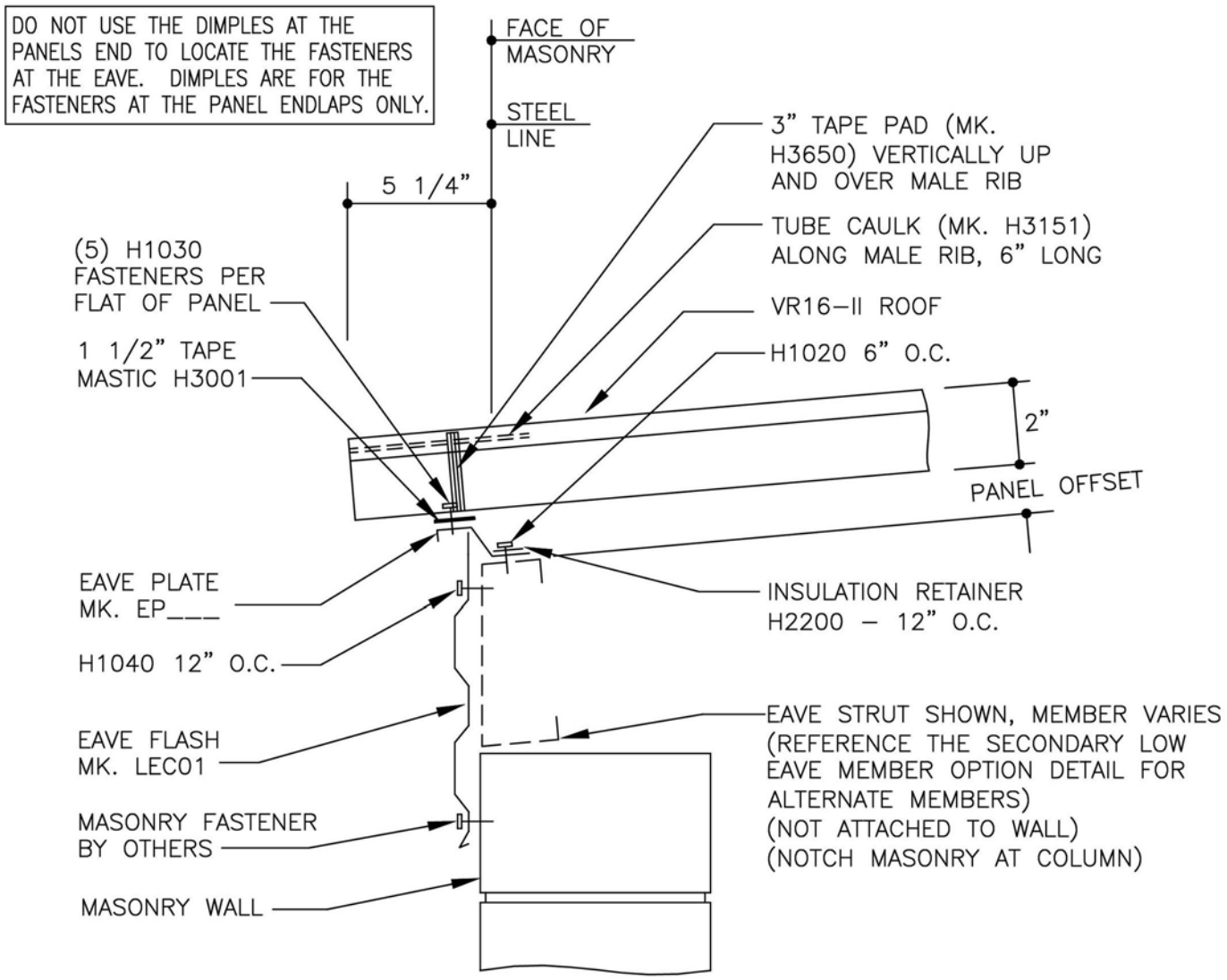
VR16–II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EB3010**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EB3040 – LOW EAVE (SIMPLE FLASH) @ MASONRY OR CONCRETE – EAVE STRUT



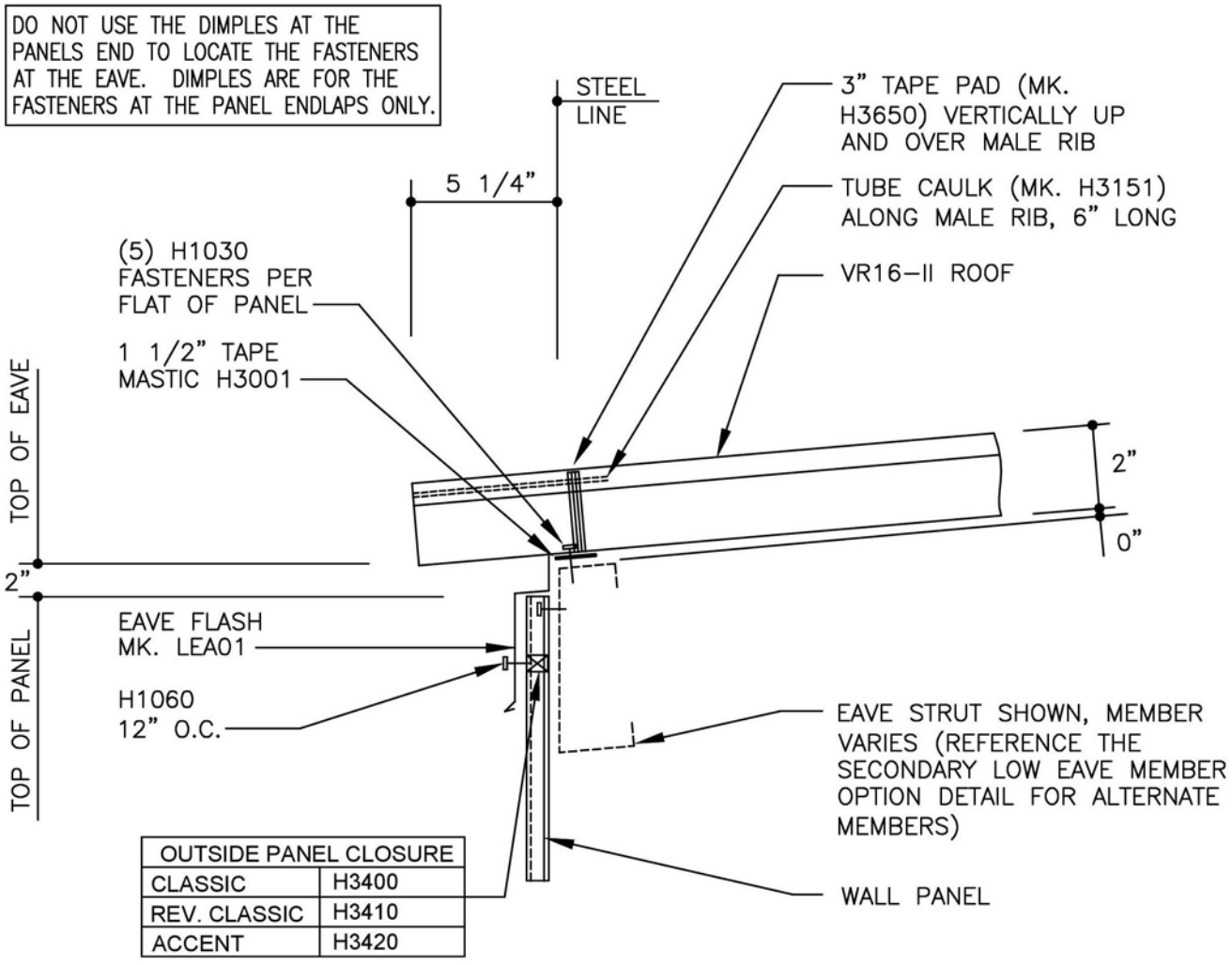

SIMPLE EAVE DETAIL

VR16–II ROOF AT MASONRY WALL

EB3040

| LAST REVISION DATE: 09/09/21 BY: SLF CHK: KMC | DETAIL NAME IF APPLICABLE<br>EB3040.DWG | 11.7.11 |
|---|---|---|

## EB3410 – LOW EAVE (SIMPLE FLASH) WALL PANEL WITH UTILITY CLIP




| OUTSIDE PANEL CLOSURE | |
|---|---|
| CLASSIC | H3400 |
| REV. CLASSIC | H3410 |
| ACCENT | H3420 |

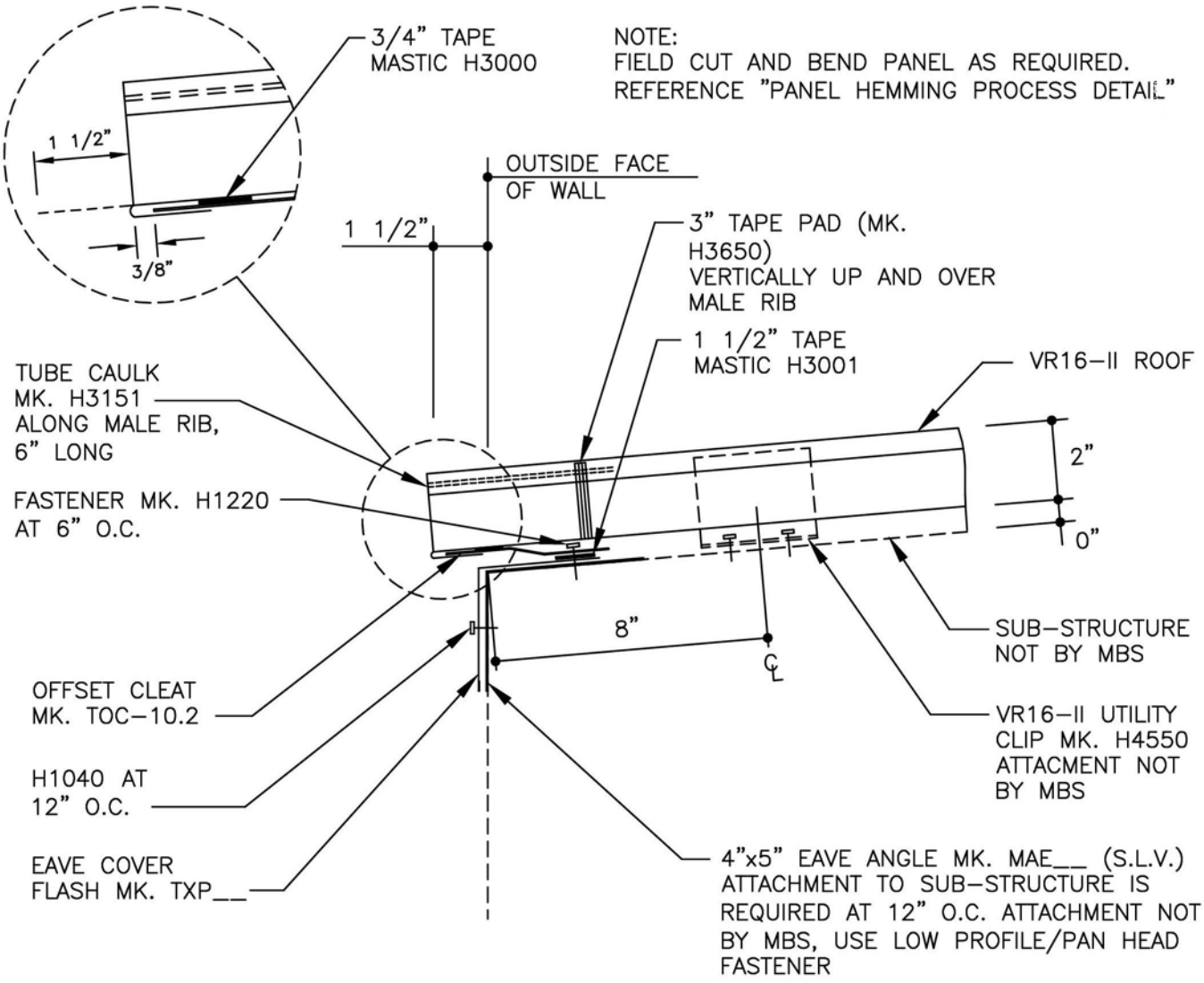
# SIMPLE EAVE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EB3410**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EB3430 – LOW EAVE (SIMPLE FLASH) WALL BY OTHERS WITH UTILITY CLIP

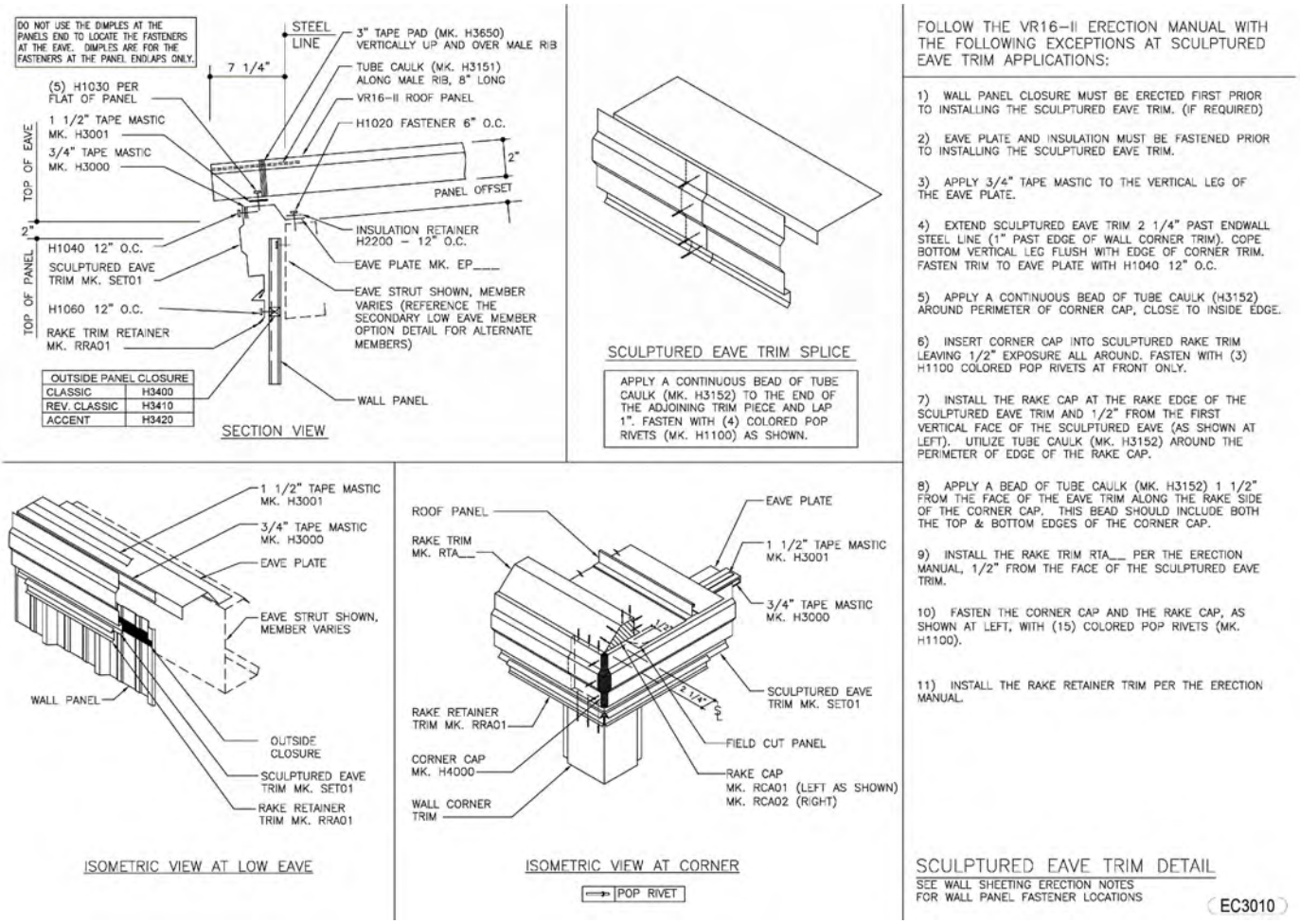



# SIMPLE EAVE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SUB–STRUCTURE BY OTHERS

**EB3430**

# EC3010 – LOW EAVE (SCULPTURED FLASH) – EAVE STRUT




WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

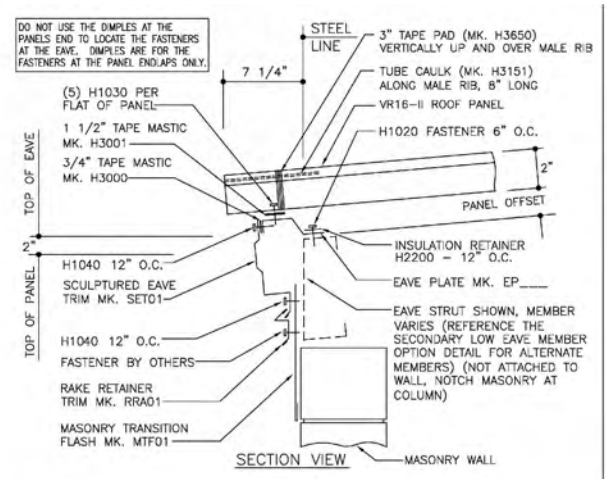
LAST REVISION
DATE: 09/09/21
BY: SLF CHK: KMC

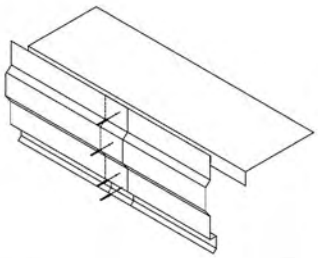
DETAIL NAME IF APPLICABLE

**EC3010.DWG**

**11.7.14**

# EC3040 – LOW EAVE (SCULPTURED FLASH) @ MASONRY OR CONCRETE – EAVE STRUT



SCULPTURED EAVE TRIM SPLICE

APPLY A CONTINUOUS BEAD OF TUBE CAULK (MK. H3152) TO THE END OF THE ADJOINING TRIM PIECE AND LAP 1". FASTEN WITH (4) COLORED POP RIVETS (MK. H1100) AS SHOWN.

FOLLOW THE VR16-II ERECTION MANUAL WITH THE FOLLOWING EXCEPTIONS AT SCULPTURED EAVE TRIM APPLICATIONS:

1) MASONRY TRANSITION FLASH MUST BE ERECTED FIRST PRIOR TO INSTALLING THE SCULPTURED EAVE TRIM.

2) EAVE PLATE AND INSULATION MUST BE FASTENED PRIOR TO INSTALLING THE SCULPTURED EAVE TRIM.

3) APPLY 3/4" TAPE MASTIC TO THE VERTICAL LEG OF THE EAVE PLATE.

4) EXTEND SCULPTURED EAVE TRIM 1" PAST ENDWALL STEEL LINE. COPE BOTTOM VERTICAL LEG FLUSH WITH EDGE OF MASONRY WALL. FASTEN TRIM TO EAVE PLATE WITH H1040 12" O.C.

5) APPLY A CONTINUOUS BEAD OF TUBE CAULK (H3152) AROUND PERIMETER OF CORNER CAP, CLOSE TO INSIDE EDGE.

6) INSERT CORNER CAP INTO SCULPTURED RAKE TRIM LEAVING 1/2" EXPOSURE ALL AROUND. FASTEN WITH (3) H1100 COLORED POP RIVETS AT FRONT ONLY.

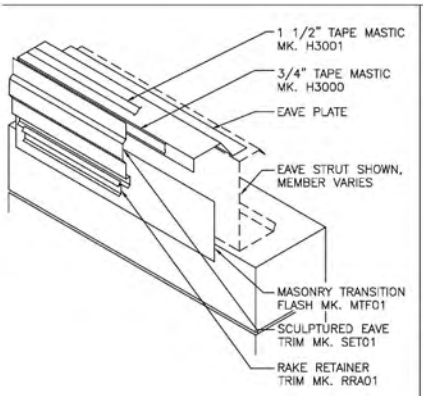
7) INSTALL THE RAKE CAP AT THE RAKE EDGE OF THE SCULPTURED EAVE TRIM AND 1/2" FROM THE FIRST VERTICAL FACE OF THE SCULPTURED EAVE (AS SHOWN AT LEFT). UTILIZE TUBE CAULK (MK. H3152) AROUND THE PERIMETER OF EDGE OF THE RAKE CAP.

8) APPLY A BEAD OF TUBE CAULK (MK. H3152) 1 1/2" FROM THE FACE OF THE EAVE TRIM ALONG THE RAKE SIDE OF THE CORNER CAP. THIS BEAD SHOULD INCLUDE BOTH THE TOP & BOTTOM EDGES OF THE CORNER CAP.

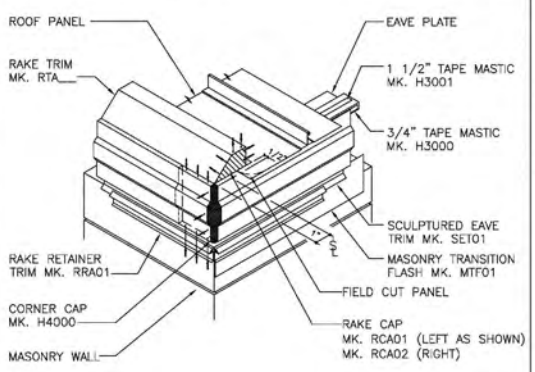
9) INSTALL THE RAKE TRIM RTA__ PER THE ERECTION MANUAL, 1/2" FROM THE FACE OF THE SCULPTURED EAVE TRIM.

10) FASTEN THE CORNER CAP AND THE RAKE CAP, AS SHOWN AT LEFT, WITH (15) COLORED POP RIVETS (MK. H1100).

11) INSTALL THE RAKE RETAINER TRIM PER THE ERECTION MANUAL.




ISOMETRIC VIEW AT LOW EAVE




ISOMETRIC VIEW AT CORNER

POP RIVET

SCULPTURED EAVE TRIM DETAIL

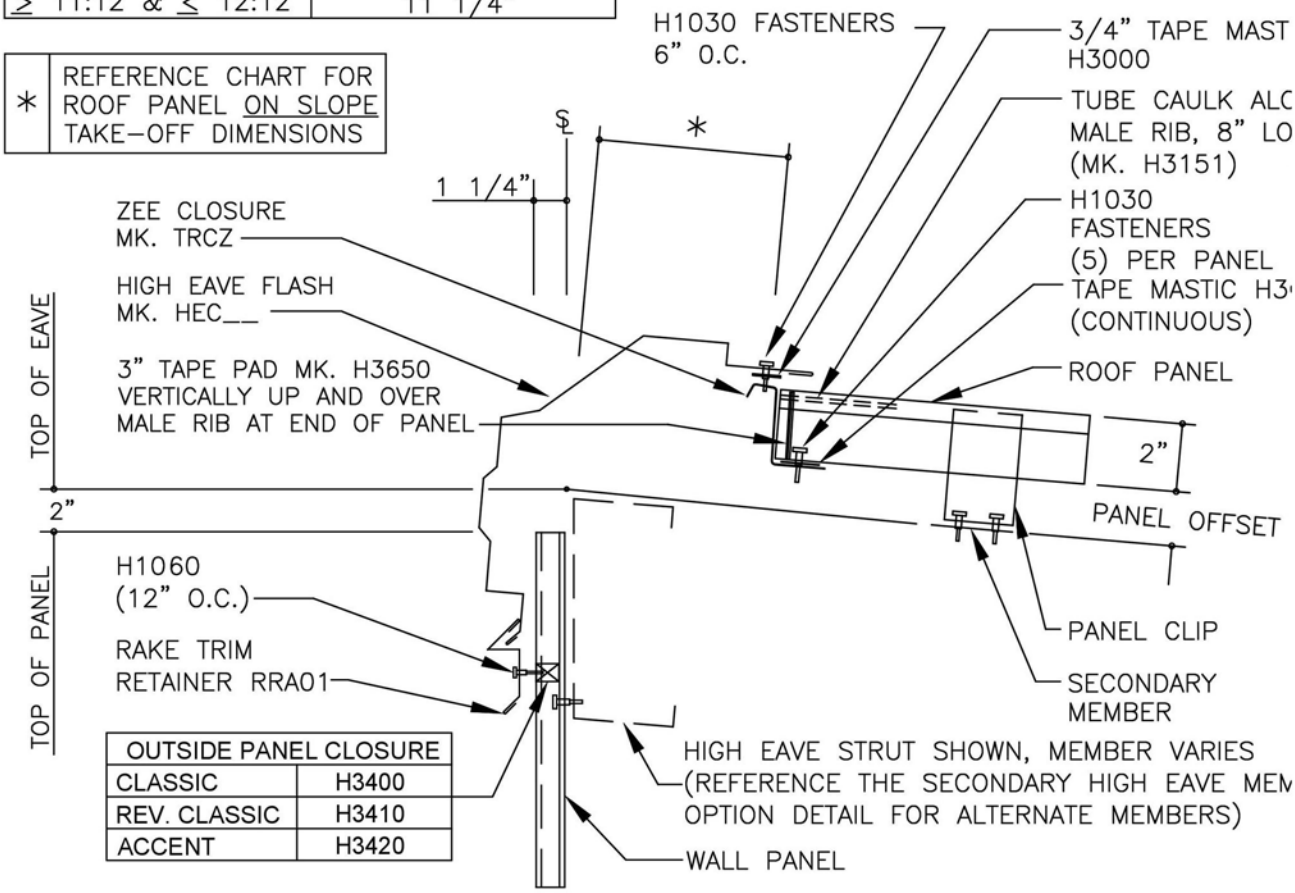
EC3040

## HIGH EAVE DETAILS
## EH3006 – HIGH EAVE (SCULPTURED TRIM)

| ROOF SLOPE | ON SLOPE TAKE–OFF |
|---|---|
| ≤ 3:12 | 7 1/8" |
| ≥ 4:12 & ≤ 6:12 | 8 3/8" |
| ≥ 7:12 & ≤ 8:12 | 9 7/8" |
| ≥ 9:12 & ≤ 10:12 | 10 1/2" |
| ≥ 11:12 & ≤ 12:12 | 11 1/4" |

| * | REFERENCE CHART FOR ROOF PANEL ON SLOPE TAKE–OFF DIMENSIONS |
|---|---|

ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE.




| OUTSIDE PANEL CLOSURE | |
|---|---|
| CLASSIC | H3400 |
| REV. CLASSIC | H3410 |
| ACCENT | H3420 |

# SCULPTURED HIGH EAVE DETAIL

VR16–II ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

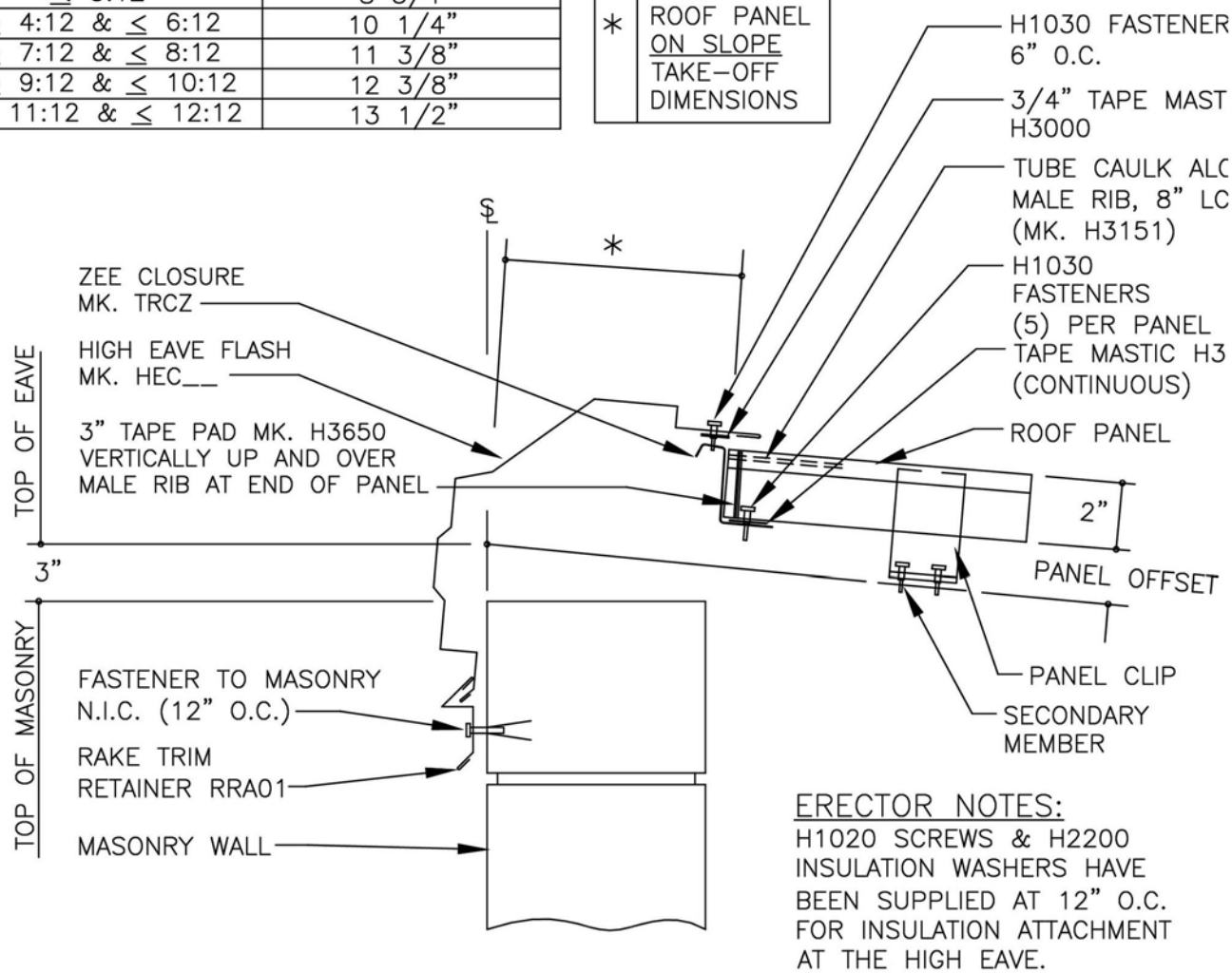
**EH3006**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EH3030 – HIGH EAVE (SCULPTURED TRIM) @ MASONRY OR CONCRETE

| ROOF SLOPE | ON SLOPE TAKE–OFF |
|---|---|
| ≤ 3:12 | 8 3/4" |
| ≥ 4:12 & ≤ 6:12 | 10 1/4" |
| ≥ 7:12 & ≤ 8:12 | 11 3/8" |
| ≥ 9:12 & ≤ 10:12 | 12 3/8" |
| ≥ 11:12 & ≤ 12:12 | 13 1/2" |

* REFERENCE CHART FOR ROOF PANEL ON SLOPE TAKE–OFF DIMENSIONS




ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE.

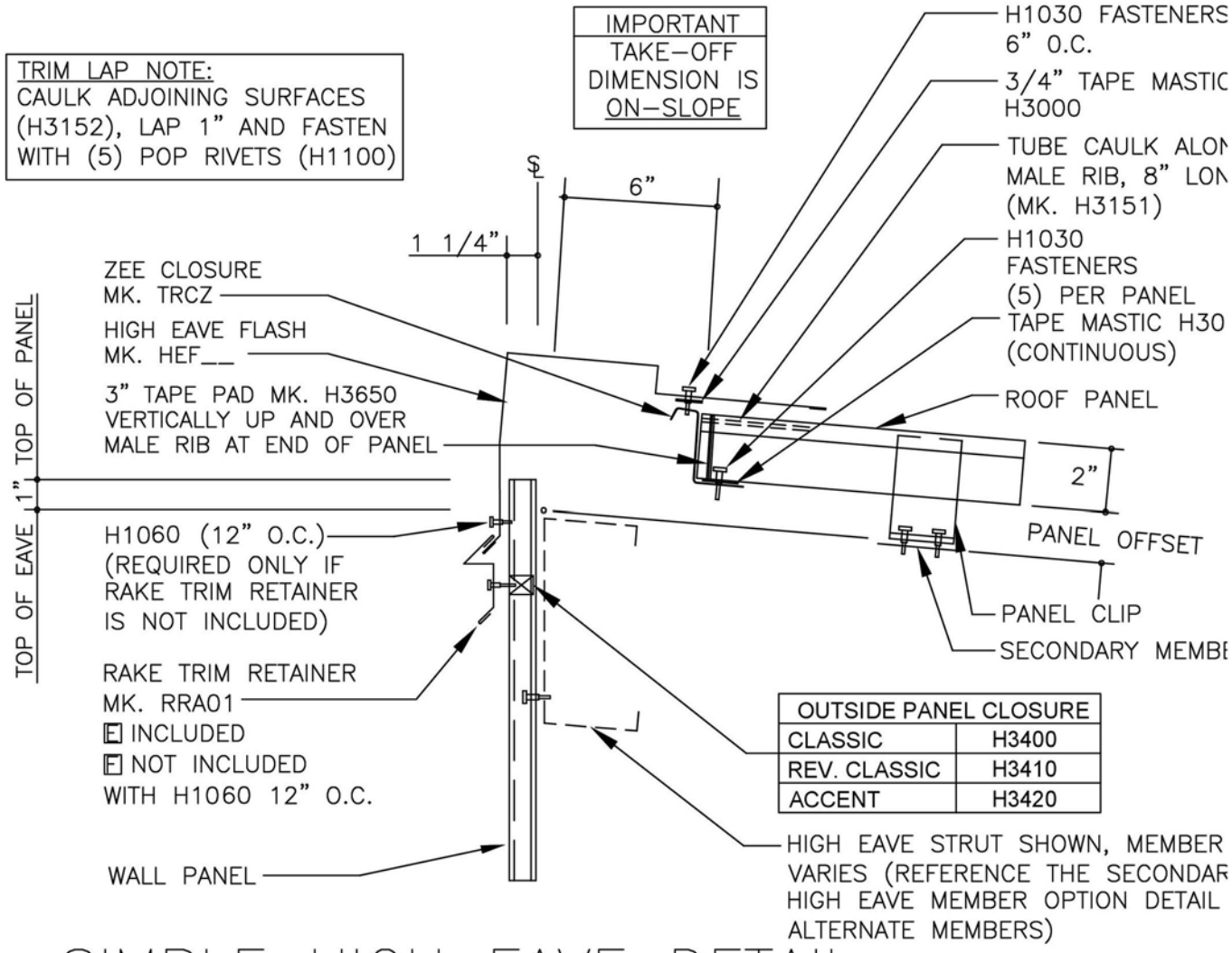
# SCULPTURED HIGH EAVE DETAIL

VR16–II ROOF AT MASONRY WALL

**EH3030**

## EH3106 – HIGH EAVE (SIMPLE TRIM) – STANDARD WALL PANEL

ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE.




# SIMPLE HIGH EAVE DETAIL

VR16–II AT STANDARD WALL PANEL
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EH3106**

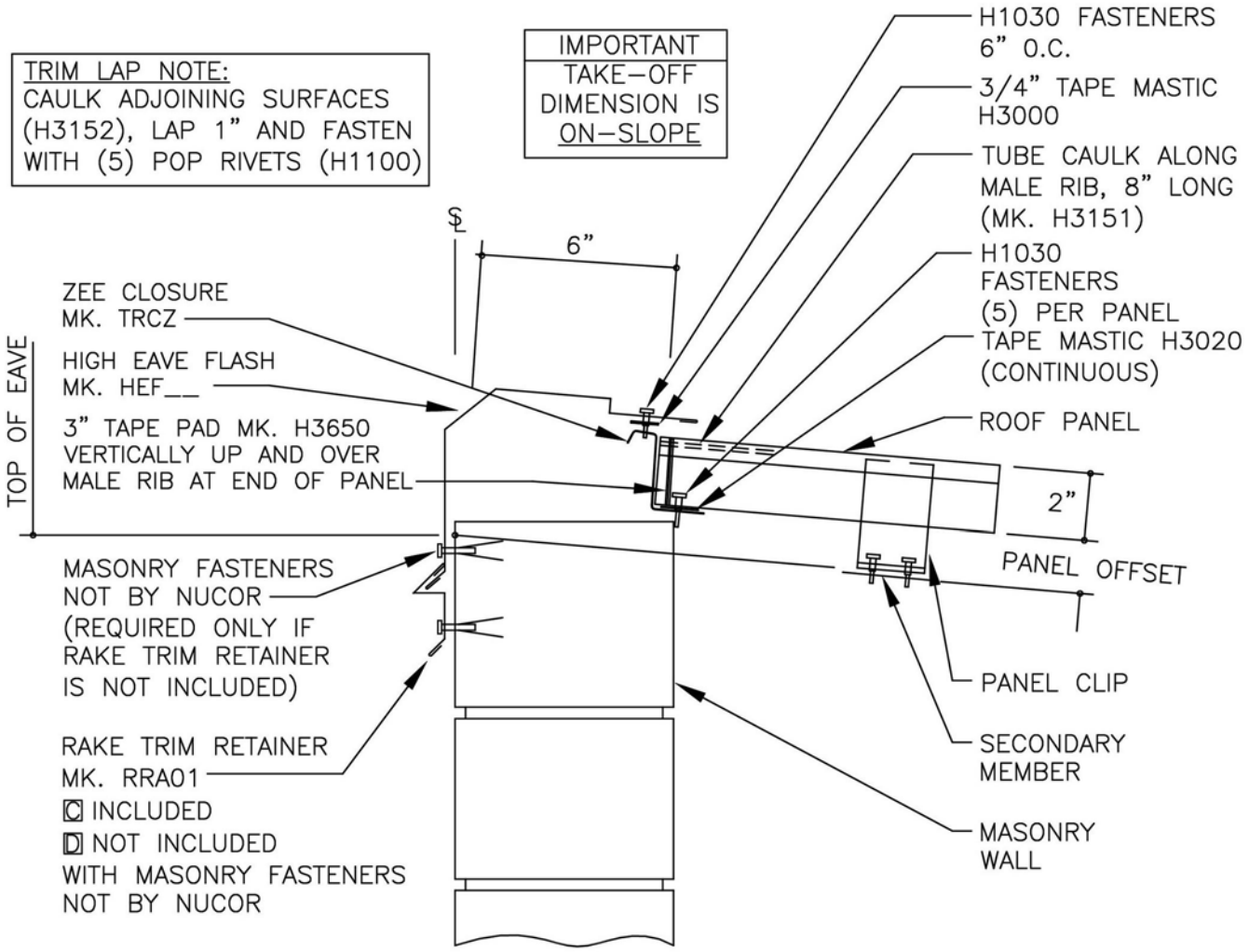
WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EH3130 – HIGH EAVE (SIMPLE TRIM) – MASONRY WALL

ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE.

TRIM LAP NOTE:
CAULK ADJOINING SURFACES (H3152), LAP 1" AND FASTEN WITH (5) POP RIVETS (H1100)

IMPORTANT
TAKE–OFF DIMENSION IS ON–SLOPE




# SIMPLE HIGH EAVE DETAIL

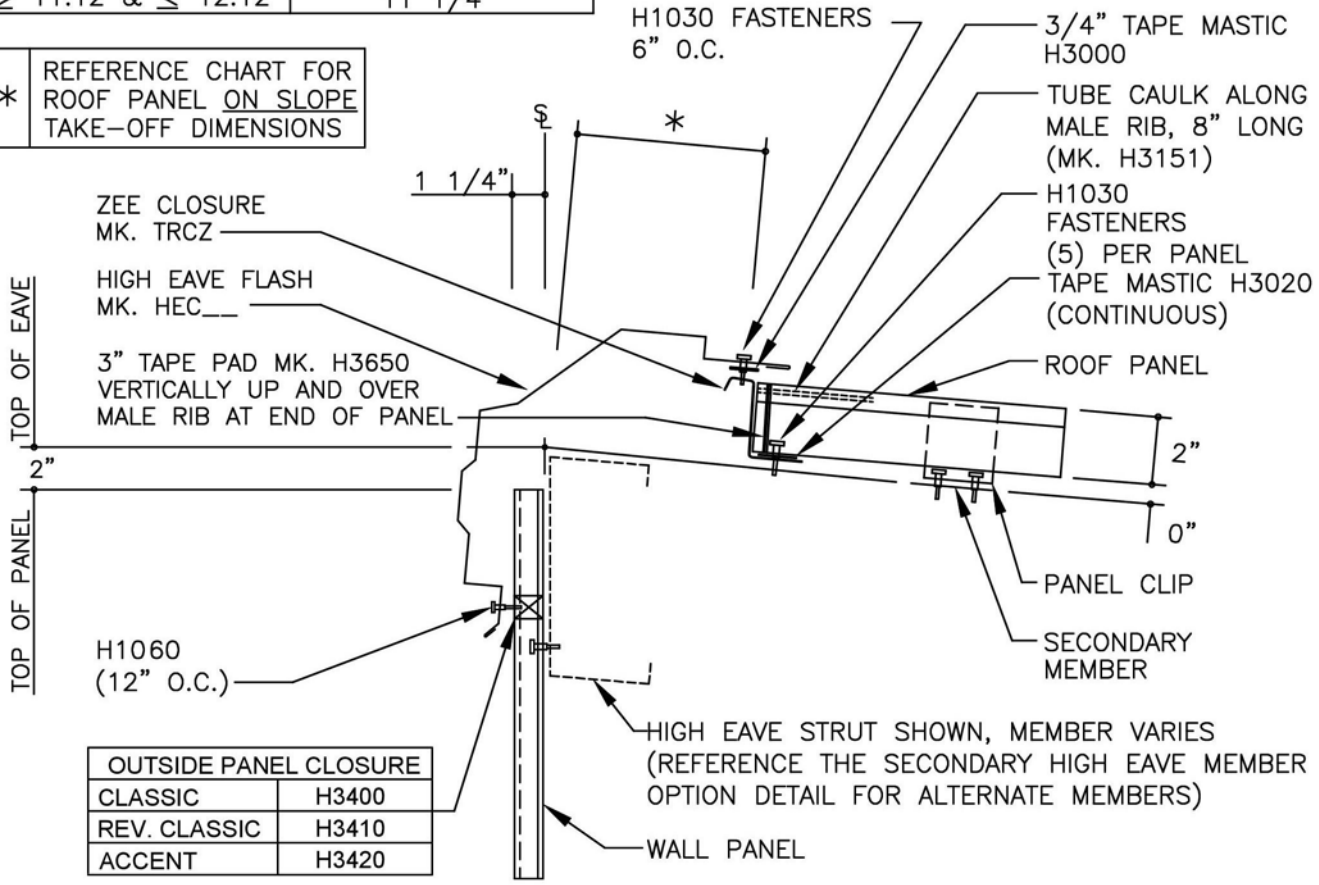
VR16–II AT MASONRY WALL

EH3130

## EH3406 – HIGH EAVE (SCULPTURED TRIM) – STANDARD WALL PANEL WITH UTILITY CLIP

| ROOF SLOPE | ON SLOPE TAKE–OFF |
|---|---|
| ≤ 3:12 | 7 1/8" |
| ≥ 4:12 & ≤ 6:12 | 8 3/8" |
| ≥ 7:12 & ≤ 8:12 | 9 7/8" |
| ≥ 9:12 & ≤ 10:12 | 10 1/2" |
| ≥ 11:12 & ≤ 12:12 | 11 1/4" |

| * | REFERENCE CHART FOR ROOF PANEL ON SLOPE TAKE–OFF DIMENSIONS |
|---|---|




| OUTSIDE PANEL CLOSURE | |
|---|---|
| CLASSIC | H3400 |
| REV. CLASSIC | H3410 |
| ACCENT | H3420 |

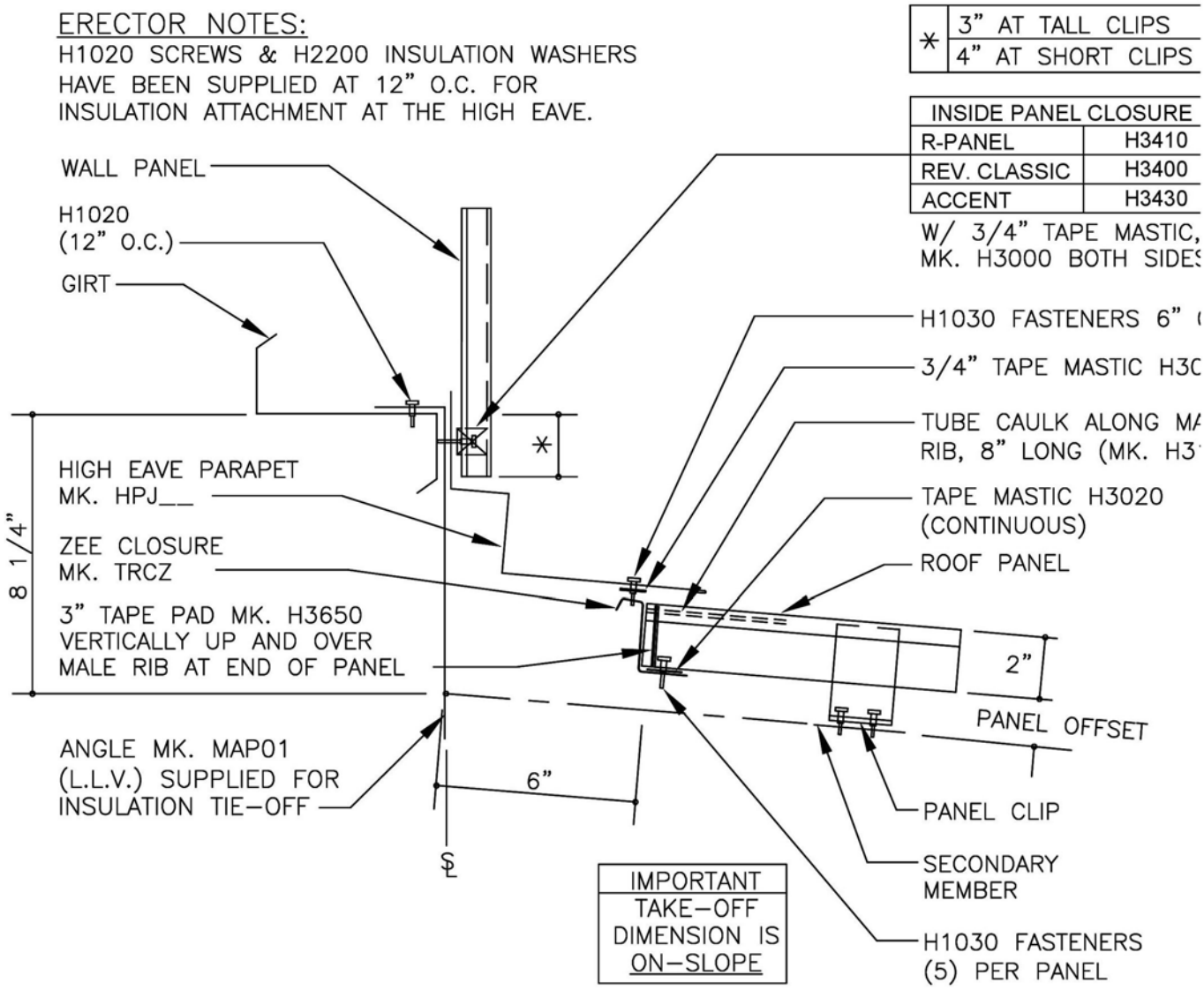
# SCULPTURED HIGH EAVE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EH3406**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EI3010 – HIGH EAVE (PARAPET)




# HIGH EAVE PARAPET DETAIL

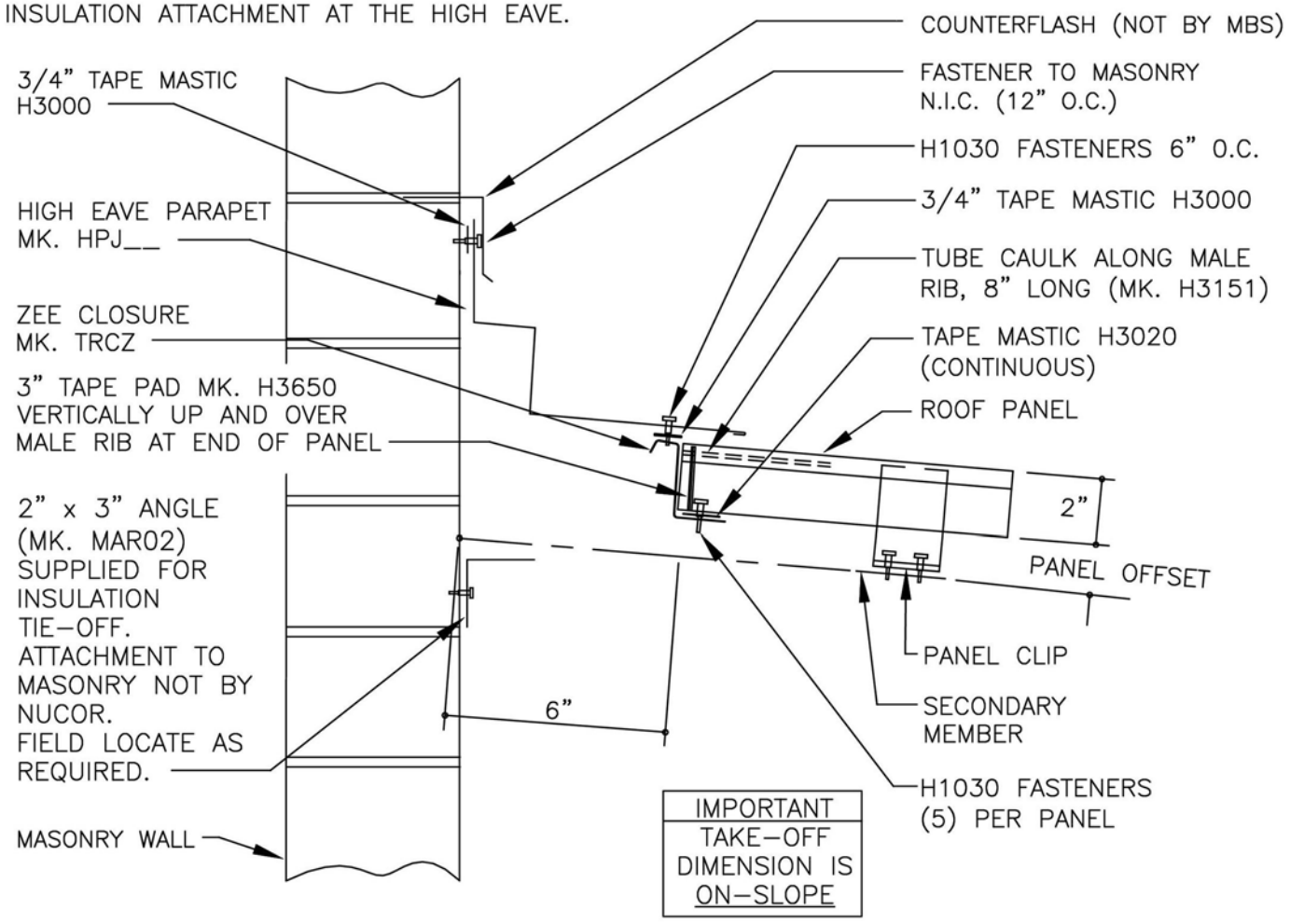
VR16-II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EI3010**

## EI3030 – HIGH EAVE (PARAPET) @ MASONRY OR CONCRETE

ERECTOR NOTES:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE HIGH EAVE.

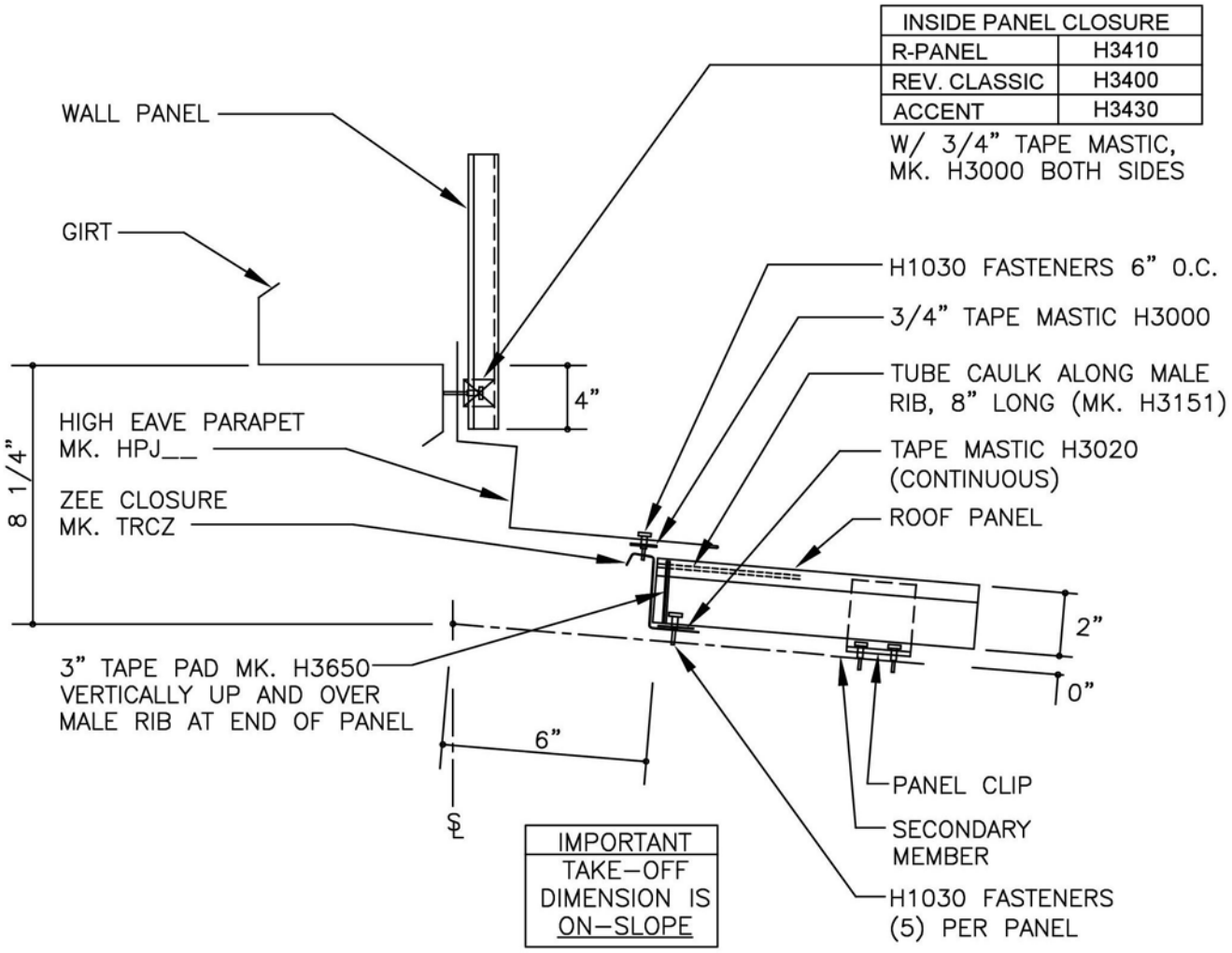



# HIGH EAVE PARAPET DETAIL

VR16-II ROOF AT MASONRY WALL

EI3030

## EI3410 – HIGH EAVE (PARAPET) WALL PANEL ABOVE WITH UTILITY CLIP



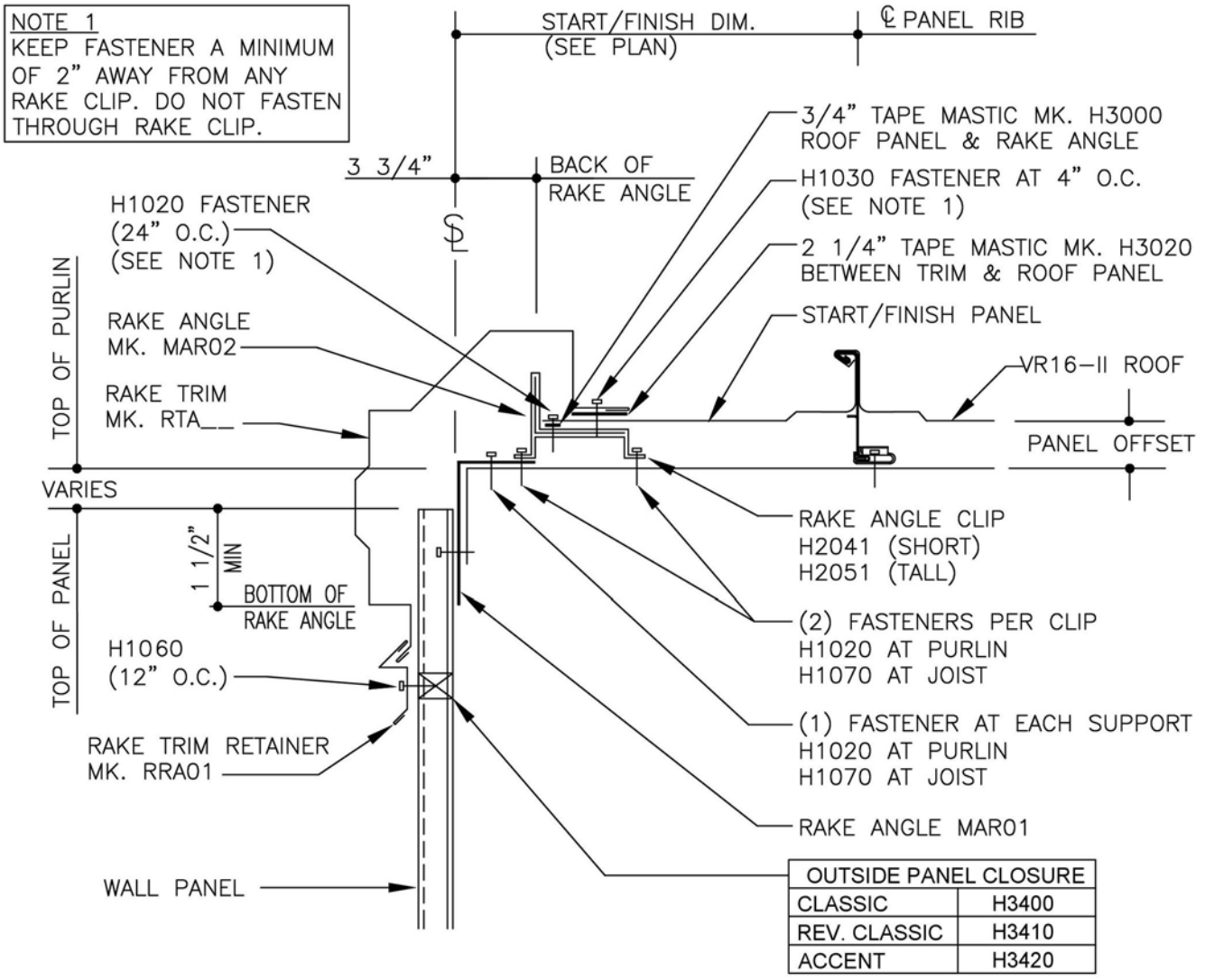

# HIGH EAVE PARAPET DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EI3410

## RAKE DETAILS
## EE3010 – RAKE (SCULPTURED)




# SCULPTURED RAKE DETAIL

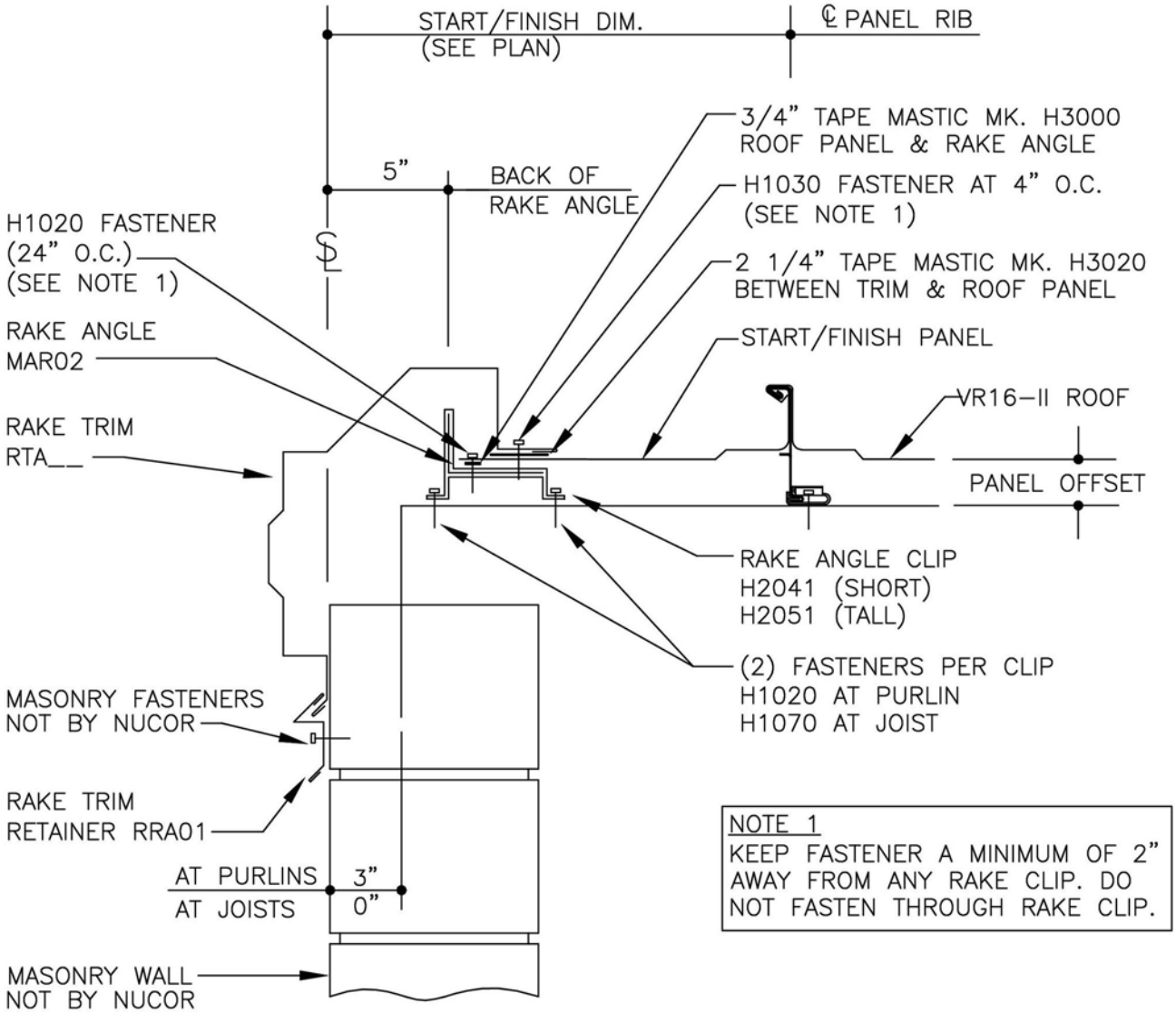
VR16–II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EE3010**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EE3030 – RAKE (SCULPTURED) @ MASONRY OR CONCRETE




# SCULPTURED RAKE DETAIL

VR16–II ROOF AT MASONRY WALL

**EE3030**

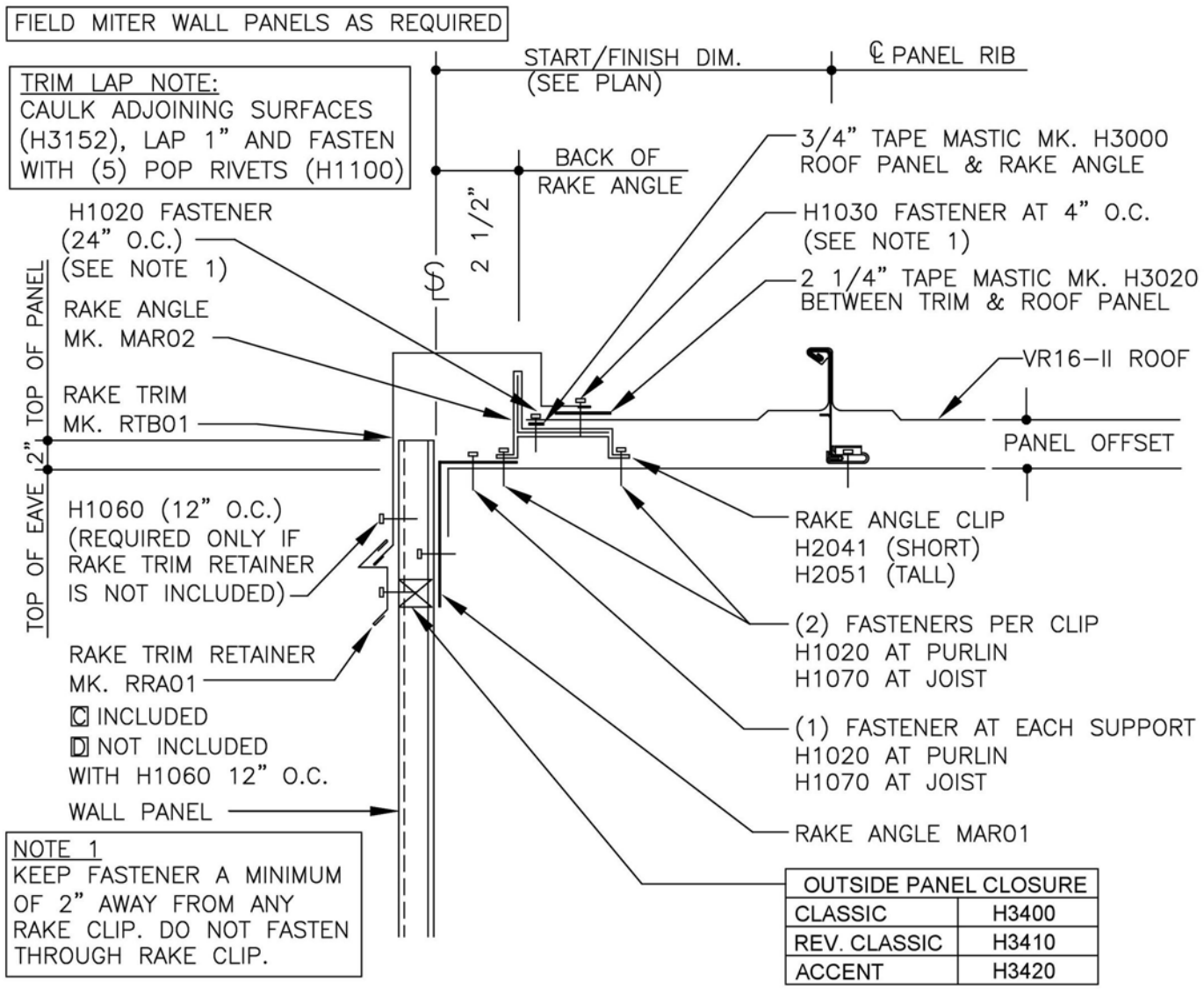
LAST REVISION
DATE: 09/09/21
BY: SLF CHK: KMC

DETAIL NAME IF APPLICABLE

**EE3030.DWG**

**11.7.25**

## EE3110 – RAKE (SIMPLE) – STANDARD WALL PANEL




# SIMPLE RAKE DETAIL

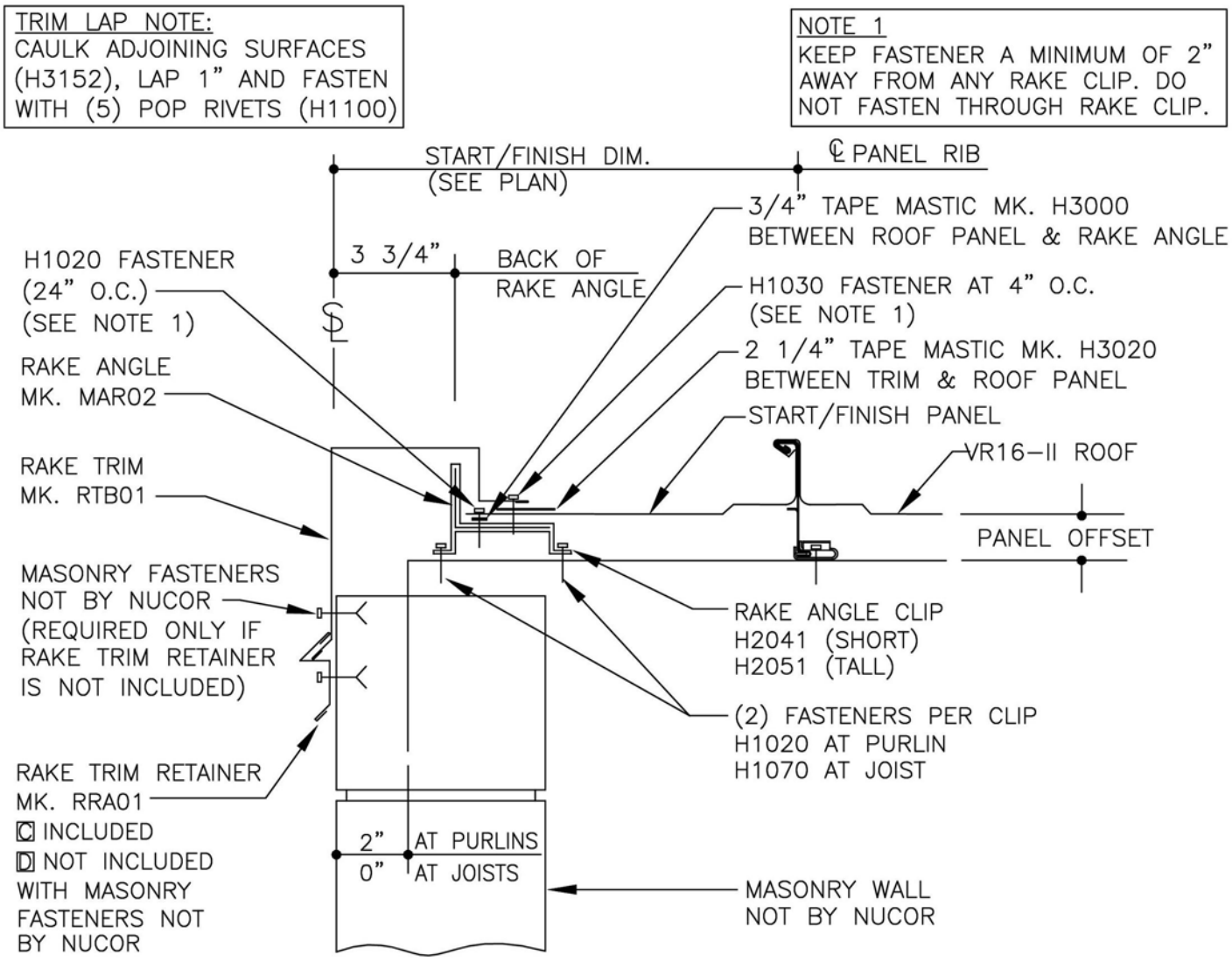
VR16–II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

**EE3110**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EE3130 – RAKE (SIMPLE) – MASONRY WALL




# SIMPLE RAKE DETAIL

VR16–II ROOF AT MASONRY WALL

**EE3130**

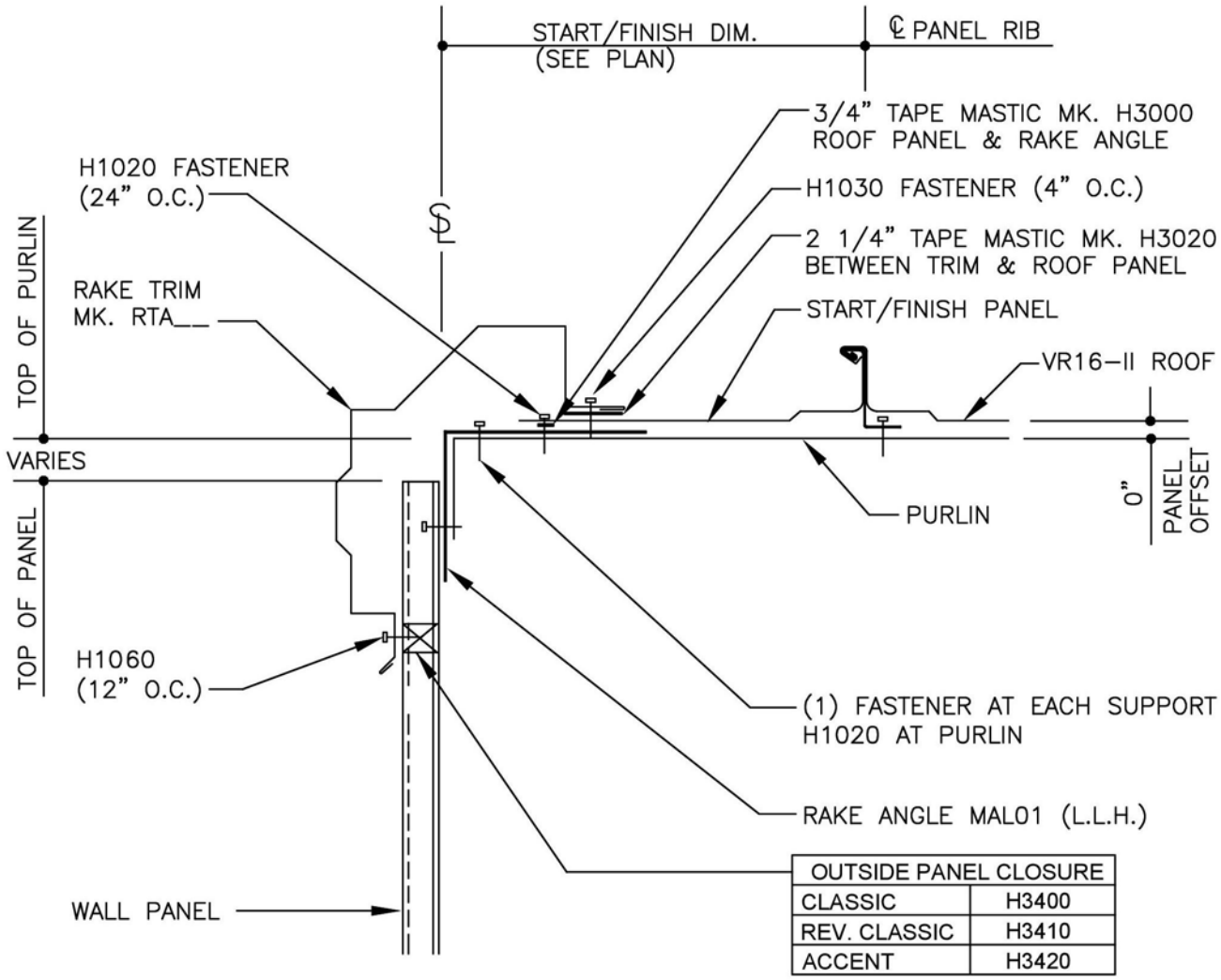
LAST REVISION
DATE: 09/09/21
BY: SLF CHK: KMC

DETAIL NAME IF APPLICABLE

**EE3130.DWG**

**11.7.27**

## EE3410 – RAKE (SCULPTURED) WITH UTLITY CLIP



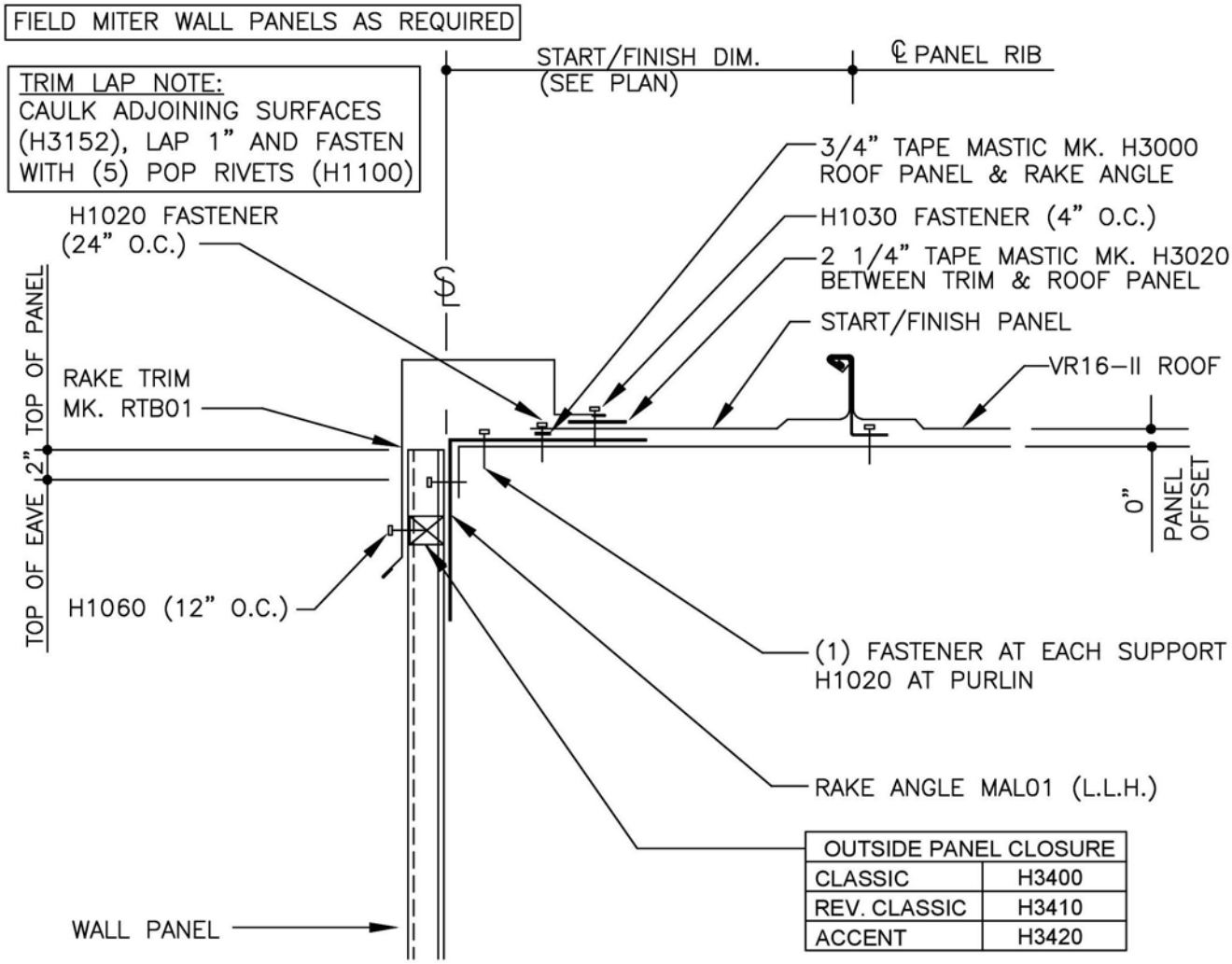

# SCULPTURED RAKE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES
FOR WALL PANEL FASTENER LOCATIONS

**EE3410**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

## EE3510 – RAKE (SIMPLE) WITH UTLITY CLIP




# SIMPLE RAKE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES
FOR WALL PANEL FASTENER LOCATIONS

**EE3510**

WALL PANEL CLOSURES SHOWN HERE ARE OPTIONAL

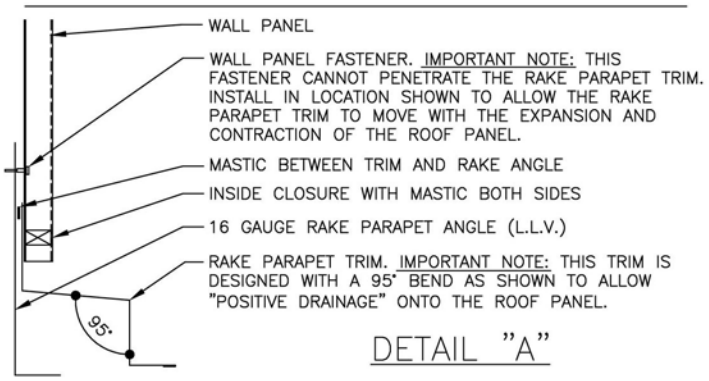
## EF3010 – RAKE (PARAPET)

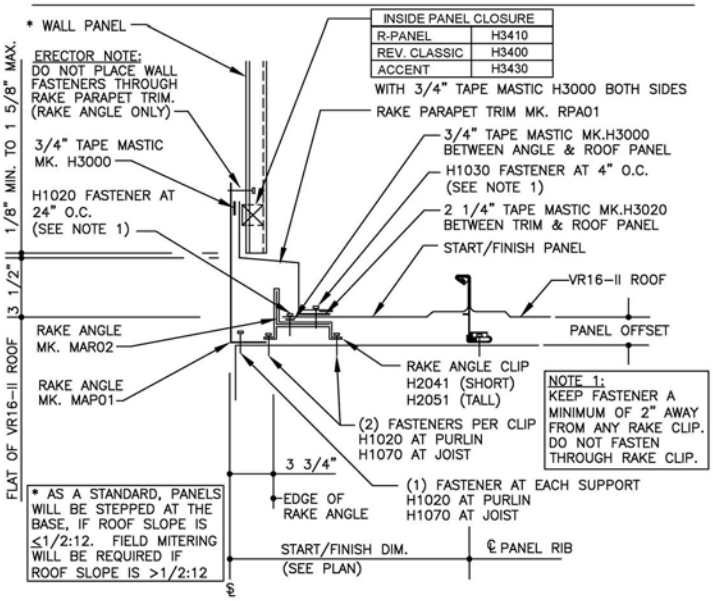
NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER, MAKING SURE THAT NO FASTENERS HIT ANY OF THE RAKE CLIP LOCATIONS. KEEP FASTENER A MINIMUM OF 2" AWAY FROM ANY RAKE CLIP.

REFER TO THE VR16–II ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.




RAKE PARAPET DETAIL
VR16–II ROOF
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EF3010

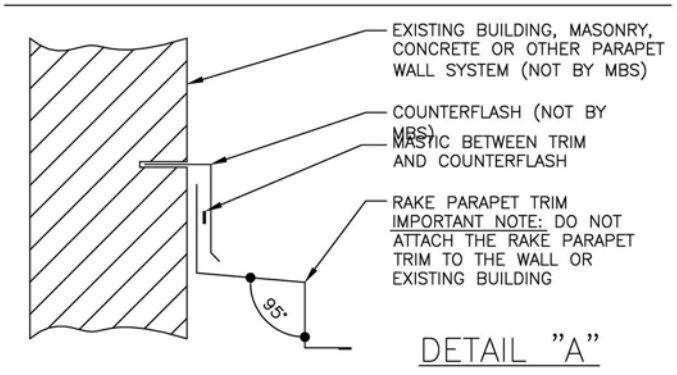
# EF3030 – RAKE (PARAPET) @ MASONRY OR CONCRETE

NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

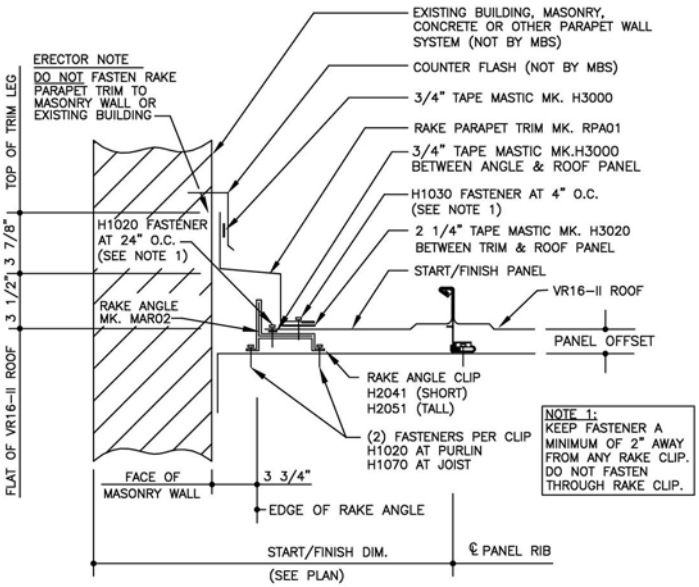
THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER, MAKING SURE THAT NO FASTENERS HIT ANY OF THE RAKE CLIP LOCATIONS. KEEP FASTENER A MINIMUM OF 2" AWAY FROM ANY RAKE CLIP. DO NOT ATTACH THE TRIM TO THE WALL.

REFER TO THE VR16–II ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.




DETAIL "A"




RAKE PARAPET DETAIL
VR16–II ROOF AT MASONRY WALL OR EXISTING BUILDING

EF3030

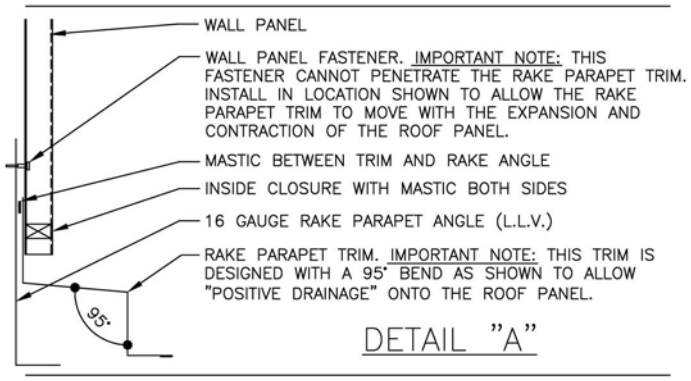
# EF3310 – RAKE (PARAPET) WALL PANEL ABOVE WITH UTILITY CLIP

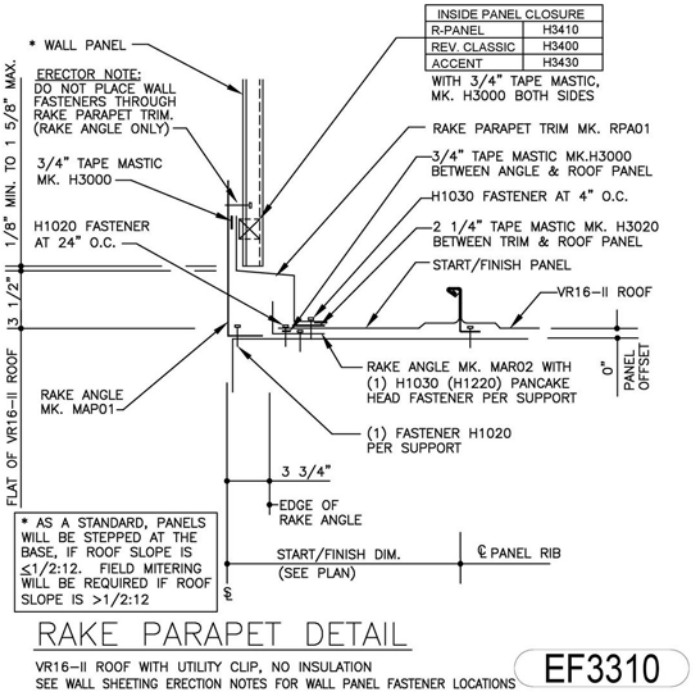
NOTES:
ALWAYS BEGIN THE RAKE PARAPET TRIM INSTALLATION STARTING AT THE LOW EAVE AND WORK TOWARD THE HIGH EAVE OR RIDGE.

THE RAKE PARAPET TRIM IS DESIGNED TO HAVE "POSITIVE DRAINAGE" ONTO THE ROOF. THIS IS TO HELP ALLEVIATE THE POSSIBILITY OF WATER PONDING ON THE TRIM. SEE DETAIL "A" BELOW.

FASTEN THE RAKE PARAPET TRIM TO THE ROOF PANEL AT 4" ON CENTER.

REFER TO THE VR16–II ERECTION MANUAL FOR ADDITIONAL TRIM LAP INFORMATION AND DETAILS.



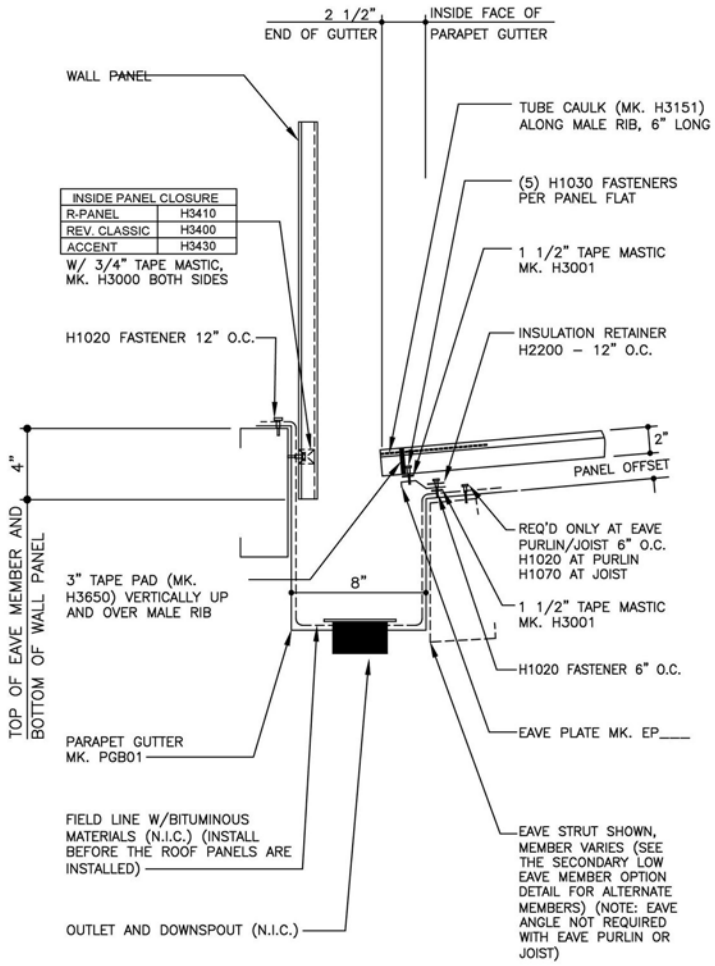




RAKE PARAPET DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION
SEE WALL SHEETING ERECTION NOTES FOR WALL PANEL FASTENER LOCATIONS

EF3310

## PARAPET GUTTER DETAILS
## EK3020 – PARAPET GUTTER – EAVE STRUT




ERECTOR NOTE:

VALLEY AND PARAPET GUTTERS ARE DESIGNED TO FUNCTION AS FREE–FLOWING GUTTER SYSTEMS. THEY MUST BE DESIGNED WITH ADEQUATE DRAINAGE AND KEPT FREE OF DEBRIS AND OTHER MATERIALS THAT MAY RESTRICT WATER FLOW. NUCOR RECOMMENDS THE USE OF HEAT TAPE TO REDUCE THE LIKELIHOOD OF ICE AND SNOW BUILD UP IN THE GUTTER.

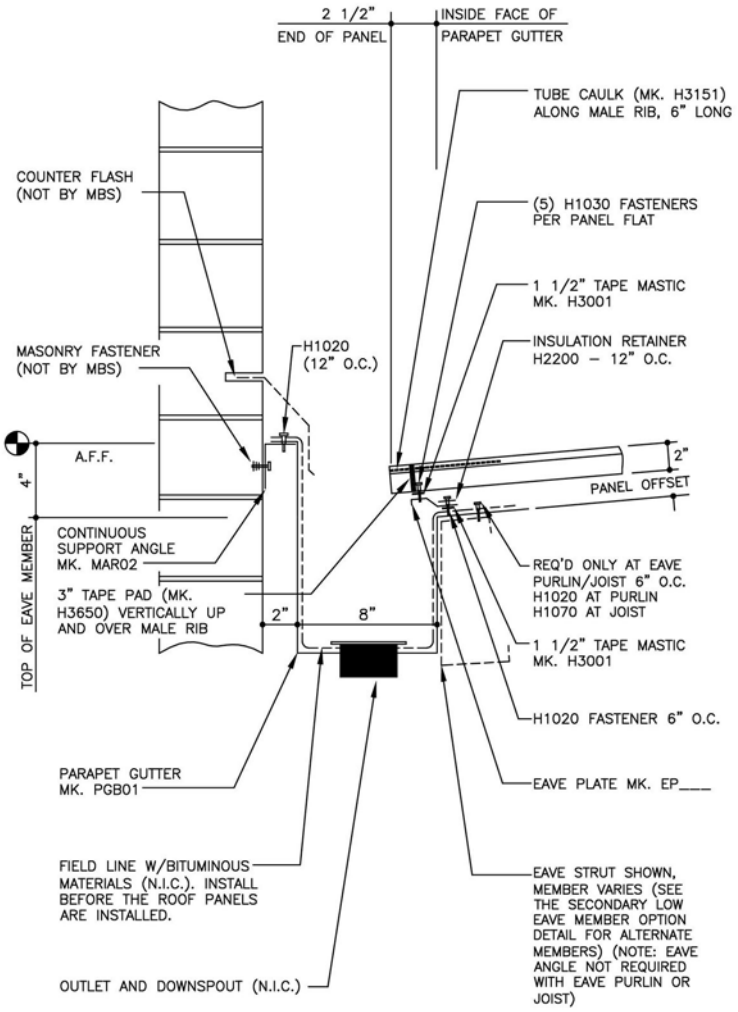
PARAPET GUTTER DETAIL

VR16–II ROOF

SEE WALL SHEETING ERECTION NOTES FOR WALL FASTENER LOCATIONS

EK3020

## EK3040 – PARAPET GUTTER @ MASONRY OR CONCRETE – EAVE STRUT




ERECTOR NOTE:

VALLEY AND PARAPET GUTTERS ARE DESIGNED TO FUNCTION AS FREE–FLOWING GUTTER SYSTEMS. THEY MUST BE DESIGNED WITH ADEQUATE DRAINAGE AND KEPT FREE OF DEBRIS AND OTHER MATERIALS THAT MAY RESTRICT WATER FLOW. NUCOR RECOMMENDS THE USE OF HEAT TAPE TO REDUCE THE LIKELIHOOD OF ICE AND SNOW BUILD UP IN THE GUTTER.

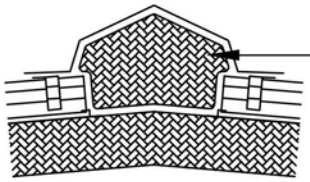
PARAPET GUTTER DETAIL

VR16–II ROOF

EK3040

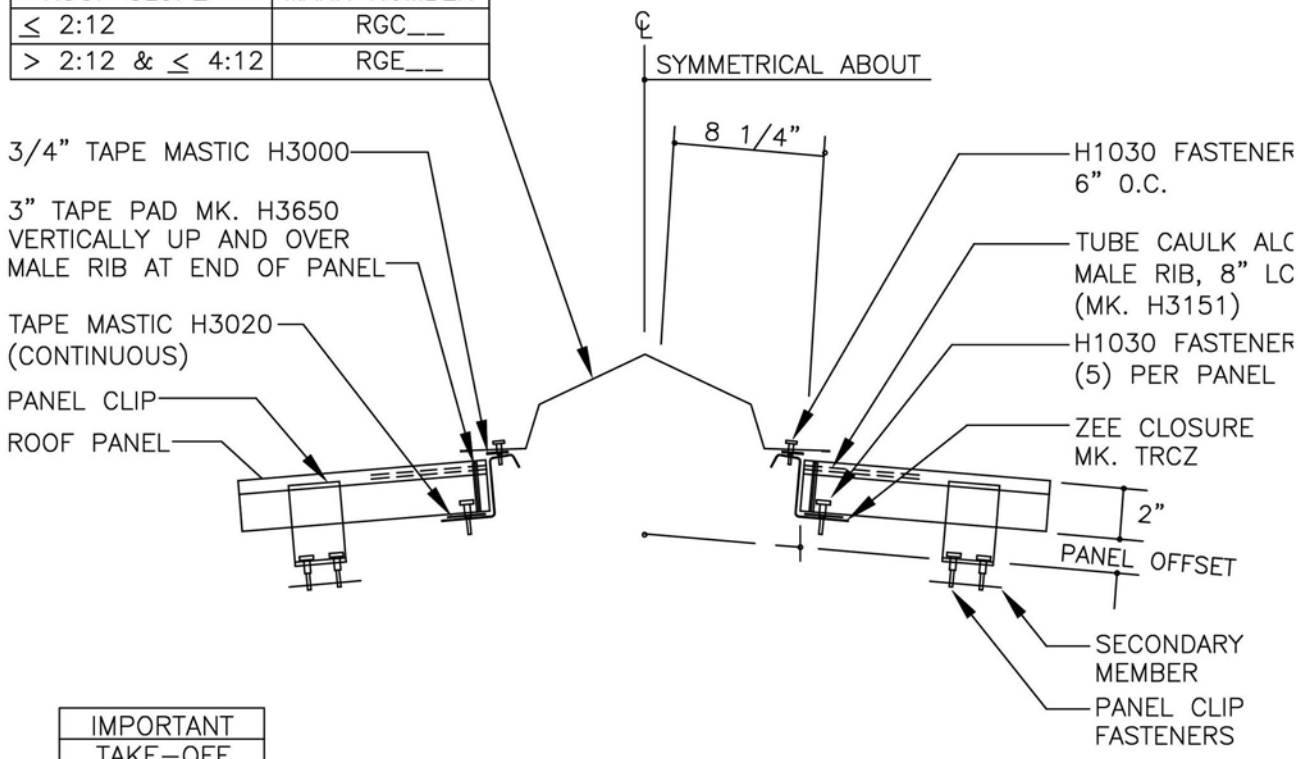
## RIDGE DETAILS
## EG3050 – RIDGE CONDITION WITHOUT INSULATION PAN

ERECTOR NOTE:
H1020 FASTENERS AT PURLINS/H1070 FASTENERS AT JOISTS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE RIDGE.



NOTE: FILL RIDGE VOID WITH INSULATION

| RIDGE CAP OPTIONS | |
|---|---|
| ROOF SLOPE | MARK NUMBER |
| ≤ 2:12 | RGC__ |
| > 2:12 & ≤ 4:12 | RGE__ |



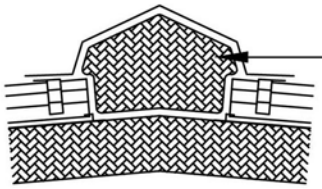

| IMPORTANT |
|---|
| TAKE–OFF DIMENSION IS ON–SLOPE |

RIDGE DETAIL

EG3050

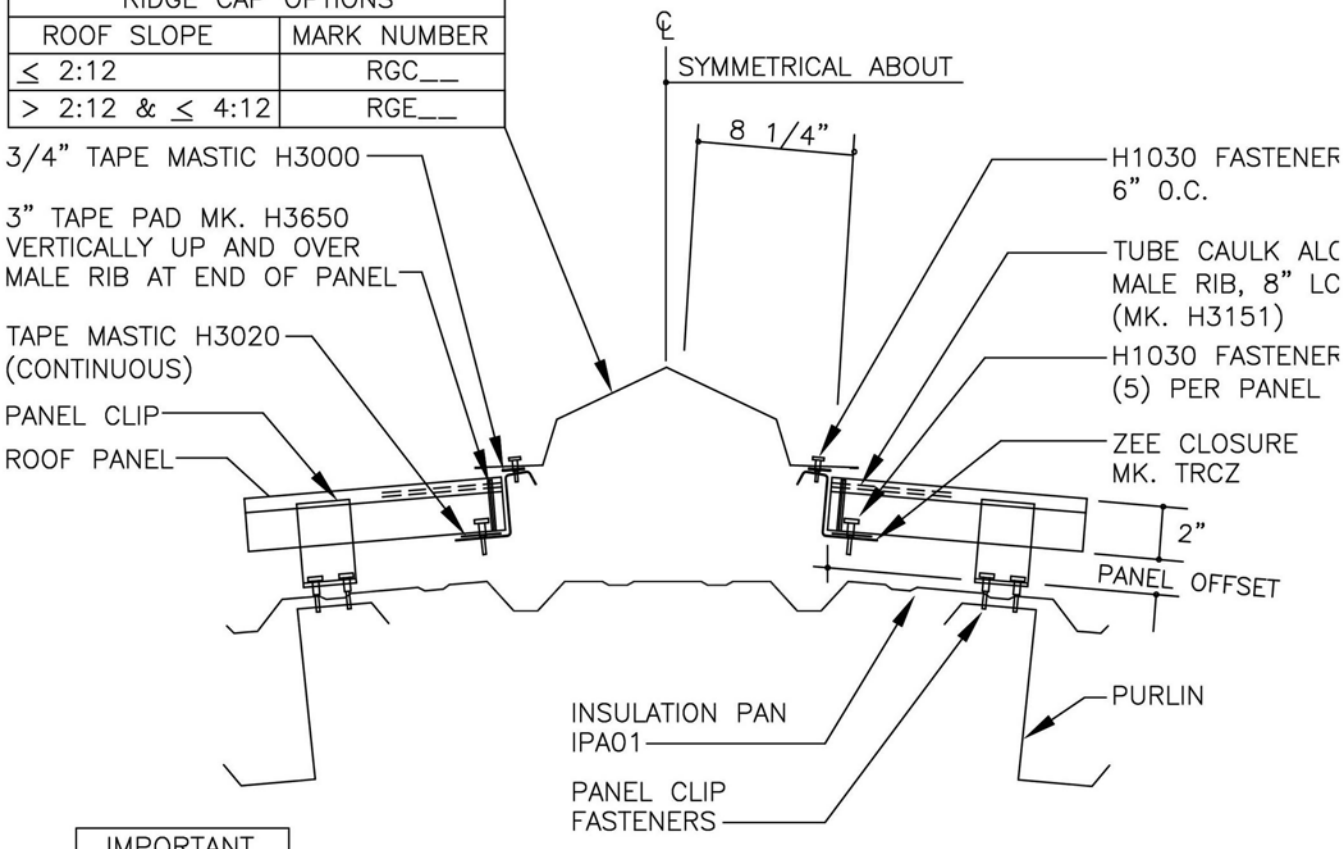
## EG3010 – RIDGE CONDITION WITH INSULATION PAN

ERECTOR NOTE:
H1020 SCREWS & H2200 INSULATION WASHERS HAVE BEEN SUPPLIED AT 12" O.C. FOR INSULATION ATTACHMENT AT THE RIDGE.



NOTE: FILL RIDGE ( VOID WITH INSULATION

| RIDGE CAP OPTIONS | |
|---|---|
| ROOF SLOPE | MARK NUMBER |
| ≤ 2:12 | RGC__ |
| > 2:12 & ≤ 4:12 | RGE__ |




| IMPORTANT |
|---|
| TAKE–OFF DIMENSION IS ON–SLOPE |

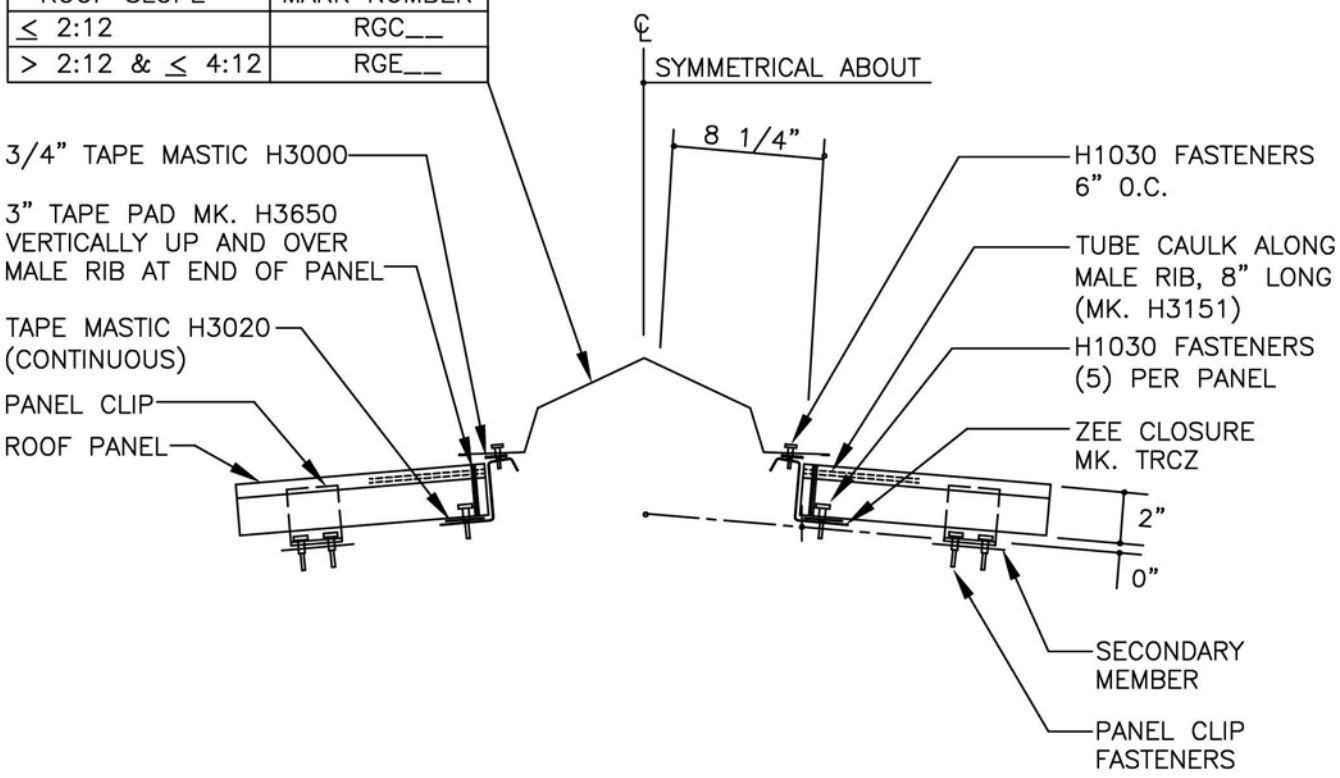
RIDGE DETAIL

EG3010

## EG3450 – RIDGE CONDITION WITHOUT INSULATION PAN – UTILITY CLIP

| IMPORTANT |
|---|
| TAKE–OFF DIMENSION IS ON–SLOPE |

| RIDGE CAP OPTIONS | |
|---|---|
| ROOF SLOPE | MARK NUMBER |
| ≤ 2:12 | RGC__ |
| > 2:12 & ≤ 4:12 | RGE__ |

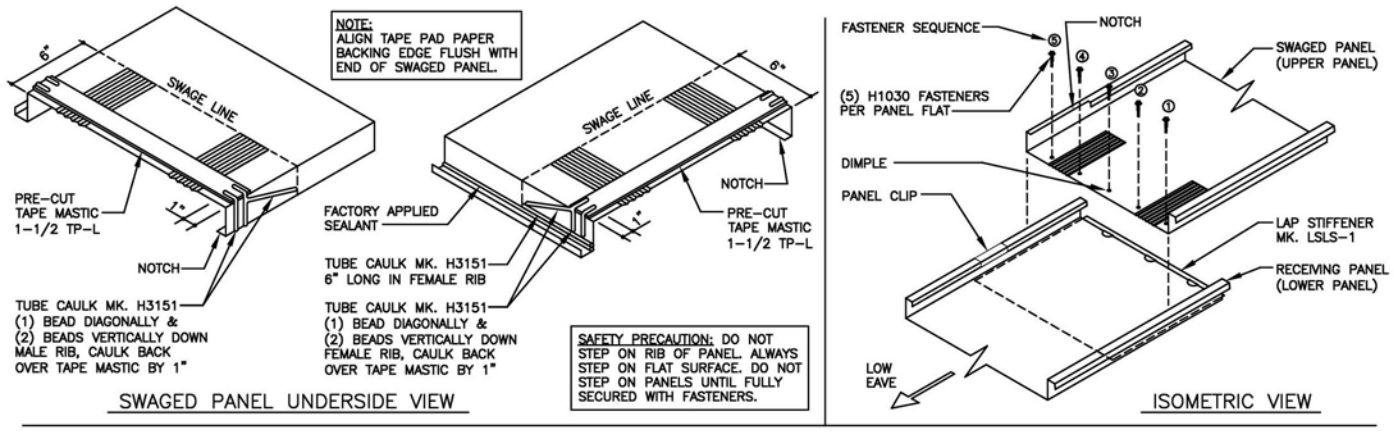



# RIDGE DETAIL

VR16–II ROOF WITH UTILITY CLIP, NO INSULATION

**EG3450**

## PANEL SPLICE DETAILS
## EA3021 – PANEL SPLICE




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 LAP STIFFENER ONTO THE LOWER RECEIVING PANEL AS SHOWN.

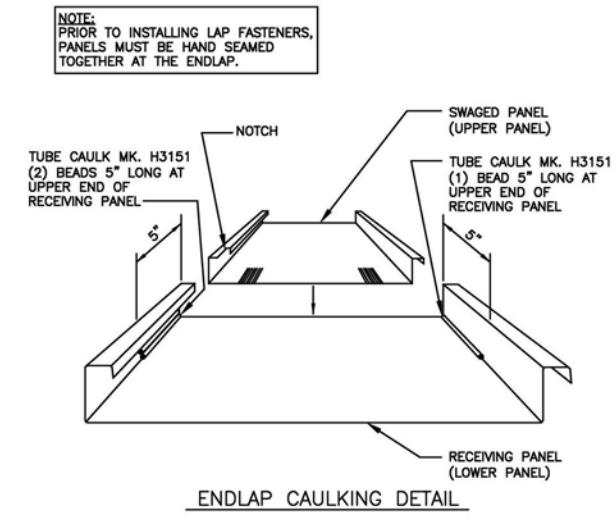
3) NEXT INSTALL A PIECE OF PRE-CUT TAPE MASTIC ACROSS THE WIDTH OF THE UNDERSIDE OF THE SWAGED PANEL BEGINNING AND ENDING AT THE VERTICAL SEAMS (LEGS). ALSO APPLY TUBE CAULK ON THE MALE AND FEMALE RIBS OF THE SWAGED PANEL AS SHOWN IN DETAIL ABOVE.

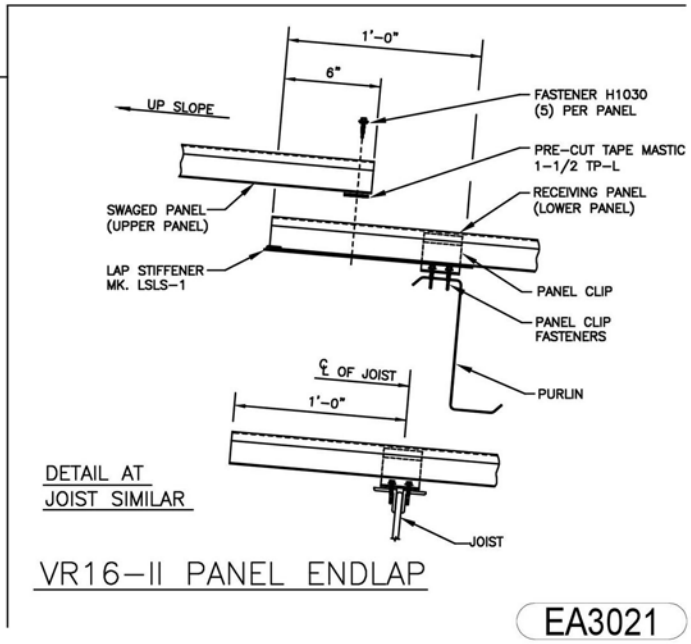
4) NEXT APPLY TUBE CAULK ALONG BOTH PANEL RIBS OF THE LOWER RECEIVING PANEL AS SHOWN IN THE ENDLAP CAULKING DETAIL.

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) #12-14x 1 1/4" W/WASHERS, (H1030), ROOF FASTENERS IN THE PRE-DIMPLED LOCATIONS.

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

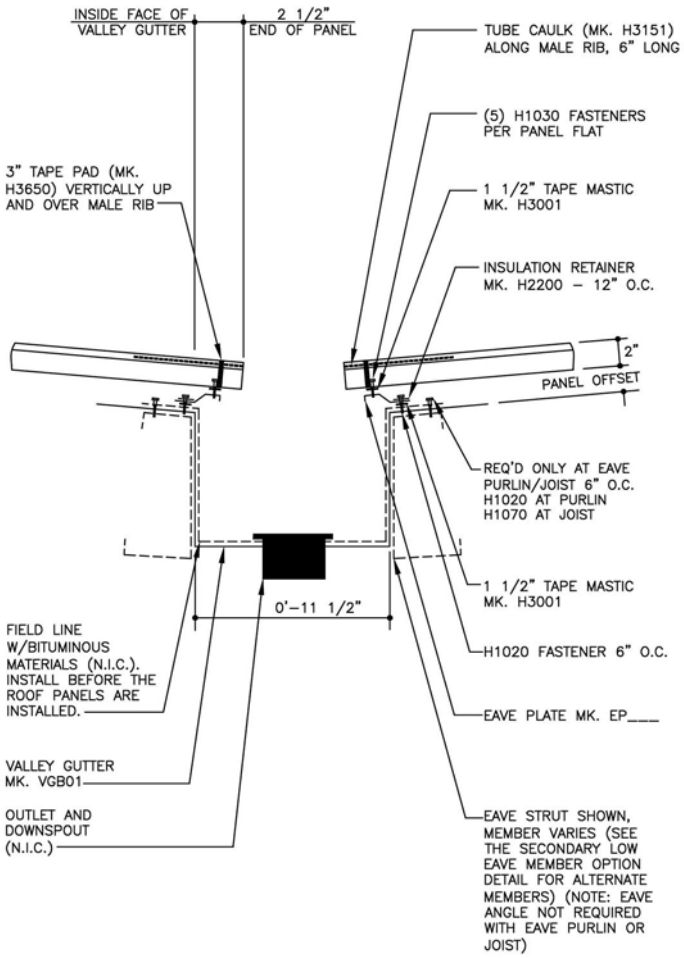



EA3021

- Striated Panels are the only panel option on buildings with end laps. No Pencil Rib panels.

## VALLEY GUTTER DETAILS
## EL3020 – VALLEY GUTTER




ERECTOR NOTE:

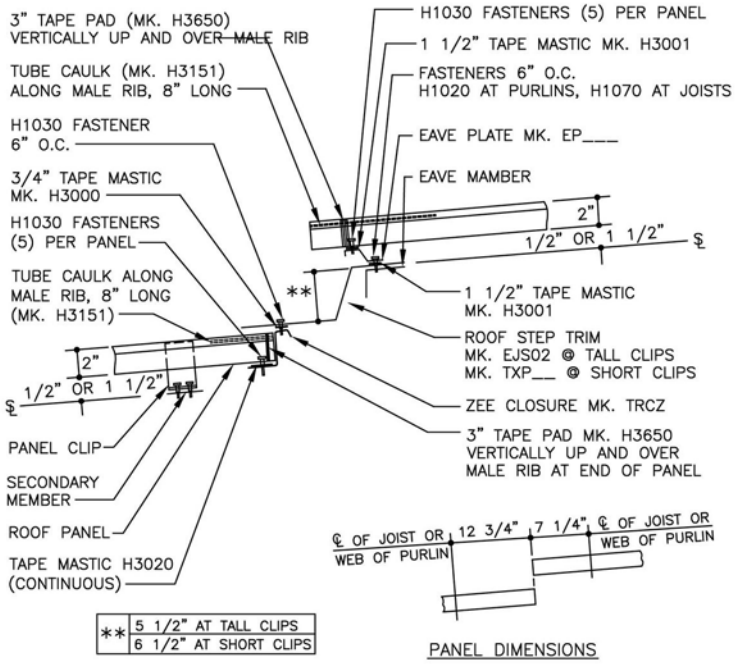
VALLEY AND PARAPET GUTTERS ARE DESIGNED TO FUNCTION AS FREE-FLOWING GUTTER SYSTEMS. THEY MUST BE DESIGNED WITH ADEQUATE DRAINAGE AND KEPT FREE OF DEBRIS AND OTHER MATERIALS THAT MAY RESTRICT WATER FLOW. NUCOR RECOMMENDS THE USE OF HEAT TAPE TO REDUCE THE LIKELIHOOD OF ICE AND SNOW BUILD UP IN THE GUTTER.

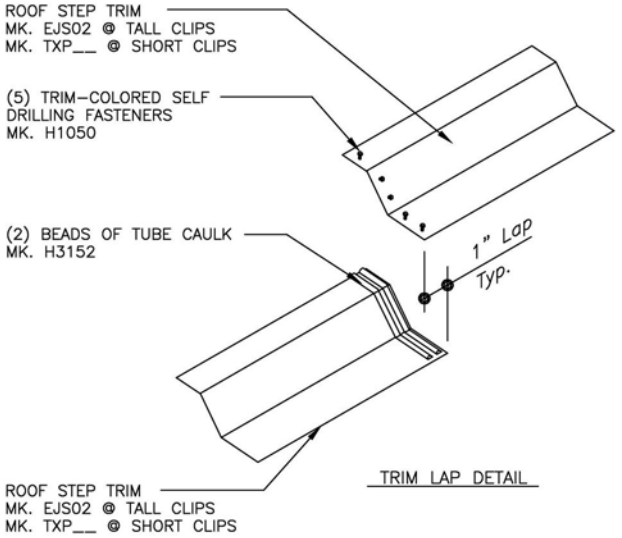
VALLEY GUTTER DETAIL

VR16-II ROOF

EL3020

## EXPANSION JOINT DETAILS
## EJ3100 – ROOF STEP EXPANSION JOINT



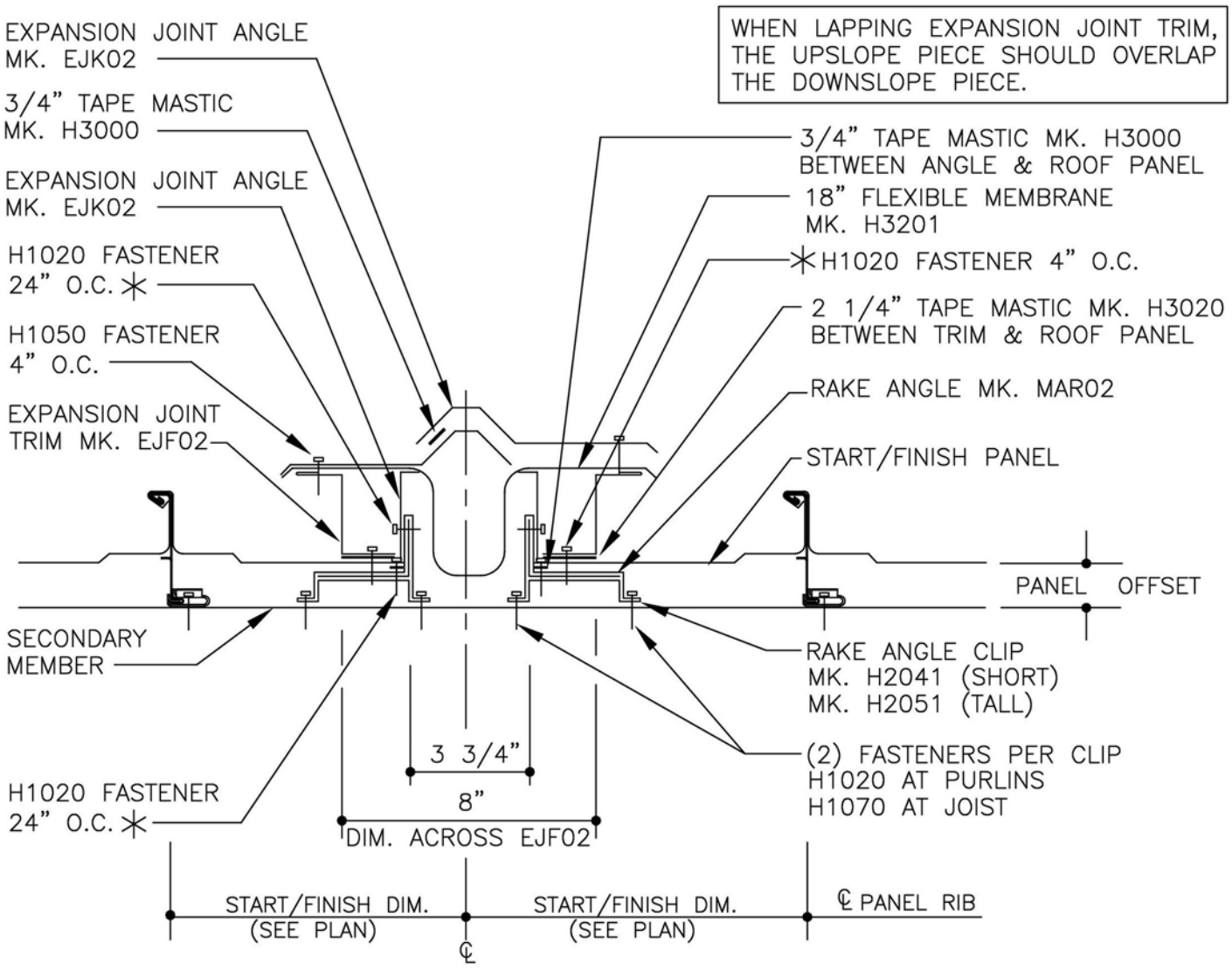




VR16–II ROOF STEP EXPANSION JOINT

EJ3100

| LAST REVISION DATE: 09/09/21 BY: SLF CHK: KMC | DETAIL NAME IF APPLICABLE | 11.7.40 |
|---|---|---|
| | EJ3100.DWG | |

## EJ3300 – EXPANSION JOINT

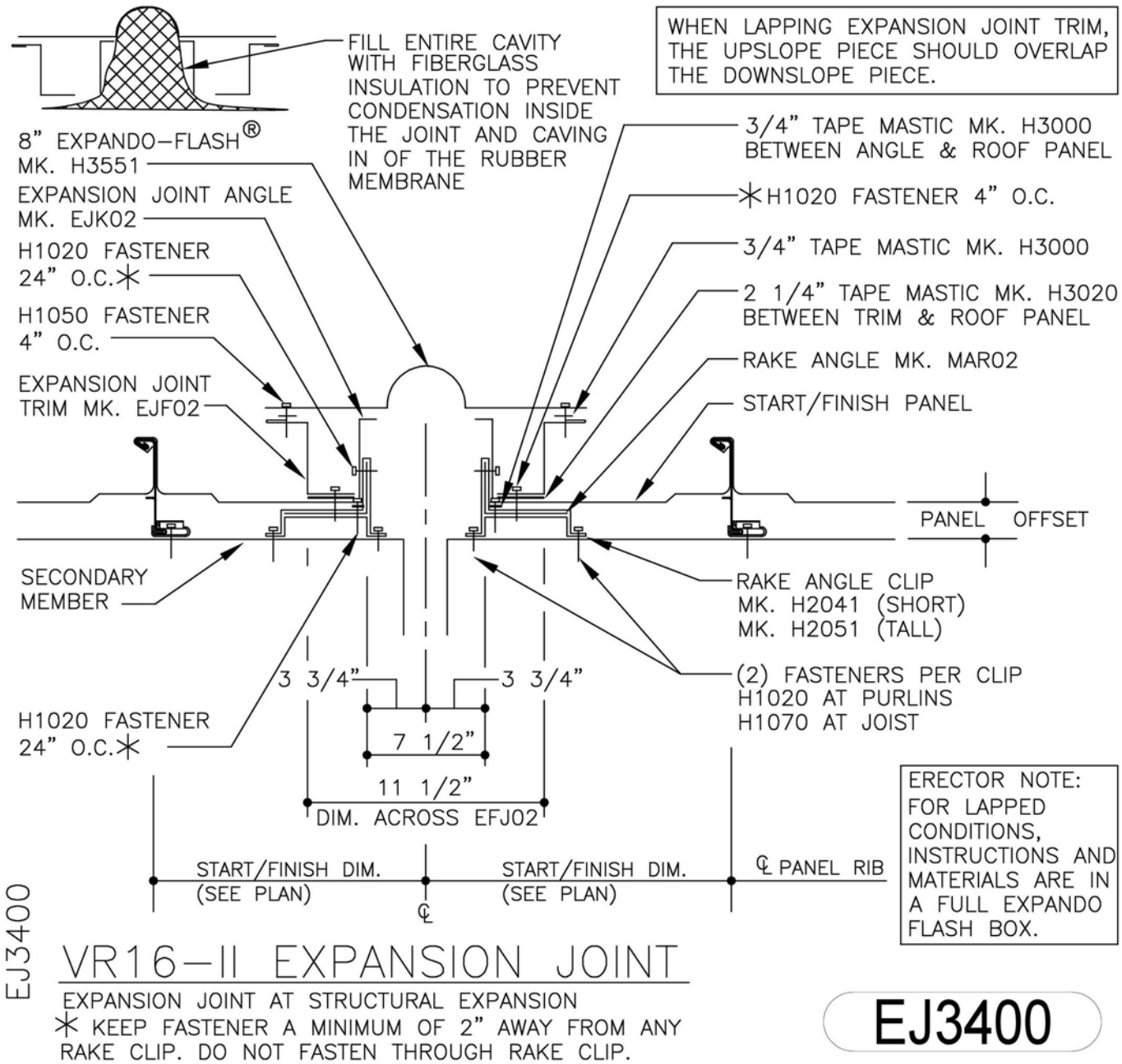



# VR16–II EXPANSION JOINT

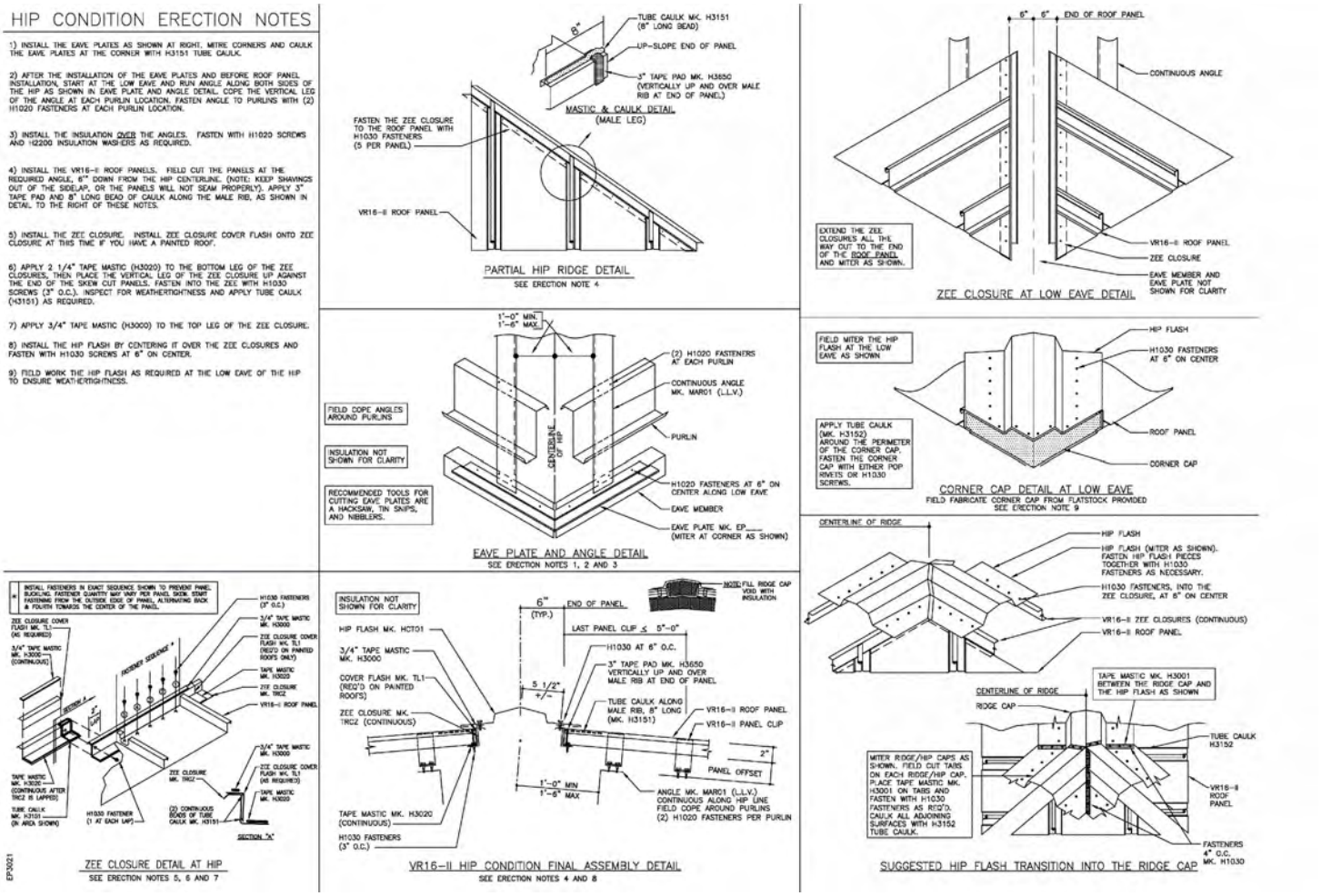
EXPANSION JOINT AT NONSTRUCTURAL EXPANSION
✳ KEEP FASTENER A MINIMUM OF 2" AWAY FROM ANY RAKE CLIP. DO NOT FASTEN THROUGH RAKE CLIP.

**EJ3300**

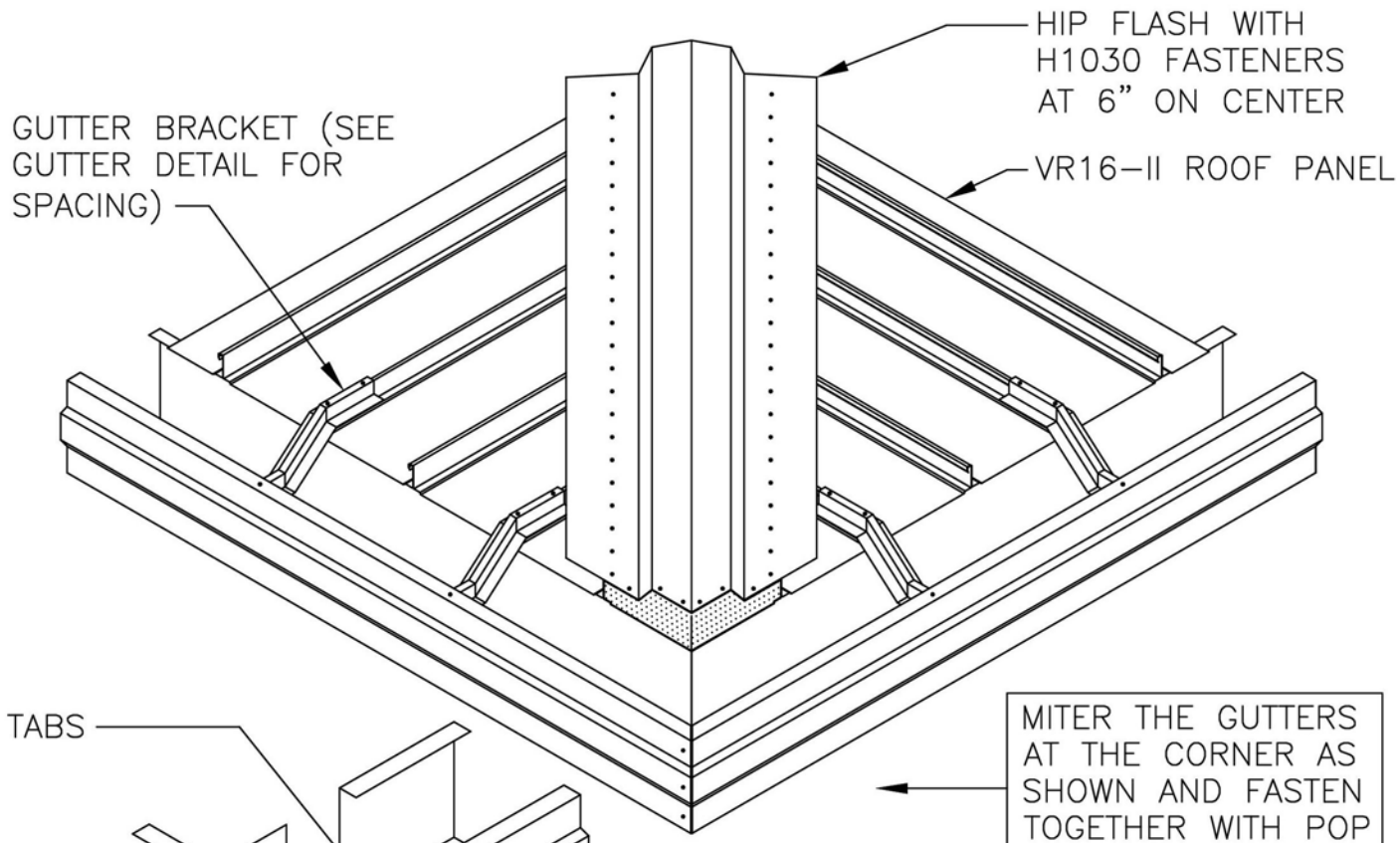
## EJ3400 – EXPANSION JOINT (STRUCTURAL)



## HIP AND VALLEY DETAILS
## EP3021 – NUCOR VR16 II™ HIP CONDITION DETAIL



## ED3100 – GUTTER CORNER AT HIP




REFER TO THE LOW EAVE GUTTER DETAIL ON SHEET D*** FOR ADDITIONAL INFO

# LOW EAVE GUTTER DETAIL AT HIP

ED3100

# EP3040 – NUCOR VR16 II™ VALLEY CONDITION DETAIL

## VALLEY CONDITION ERECTION NOTES

1) INSTALL THE EAVE PLATES AS SHOWN AT RIGHT. CAULK THE EAVE PLATES AT THE CORNER WITH H3151 TUBE CAULK.

2) AFTER THE INSTALLATION OF THE EAVE PLATES, AND BEFORE THE ROOF PANEL INSTALLATION, 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. FASTEN WITH H1020 SCREWS AND H2200 INSULATION WASHERS AS REQUIRED.

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

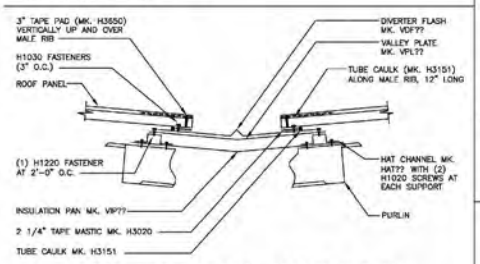
5) CENTER THE VALLEY PLATE OVER THE HAT SECTIONS. AT THE EAVE & RIDGE, EXTEND THE PLATE TO THE EDGE OF THE ROOF PANEL. FIELD CUTTING AS REQUIRED. FASTEN AT 2'-0" O.C. WITH (1) H1220 SCREW. LAP THE VALLEY PLATE 2" & FASTEN WITH (2) H1220 SCREWS.

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

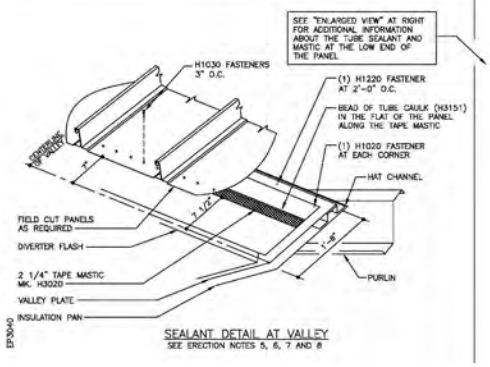
7) INSTALL 2 1/4" TAPE MASTIC (MK. H3020) ON THE DIVERTER FLASH 7 1/2" FROM THE CENTER OF THE PLATE AS SHOWN. ALSO APPLY A BEAD OF TUBE CAULK (H3151) FOR THE FLAT OF THE PANEL ALONG THE TAPE MASTIC

8) INSTALL THE ROOF PANELS – CUTTING ENDS AT THE ANGLE REQUIRED. CUT PANELS 7" FROM THE CENTER OF THE VALLEY PLATE. (NOTE: KEEP METAL SHAVINGS OUT OF MASTIC AND PANEL SIDELAP). FASTEN PANEL WITH H1030 FASTENERS (3" O.C.).

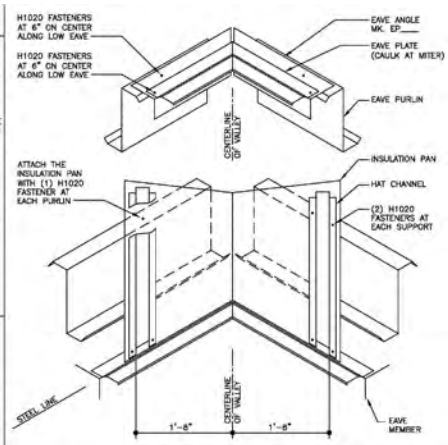
9) BEFORE THE NEXT PANEL IS INSTALLED, APPLY A 3" PIECE OF TAPE MASTIC (MK. H3650) AND A BEAD OF TUBE CAULK (MK. H3151) TO THE MALE RIB OF THE PANEL, STARTING FROM THE LOW END OF THE PANEL UP 12" TO ENSURE WEATHERTIGHTNESS, AS SHOWN IN THE SEALANT DETAIL.



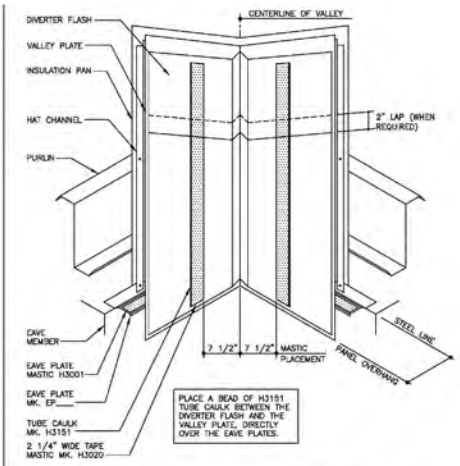

VR16–II VALLEY FINAL ASSEMBLY DETAIL



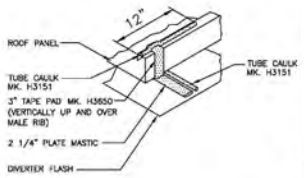

SEALANT DETAIL AT VALLEY
SEE ERECTION NOTES 5, 6, 7 AND 8



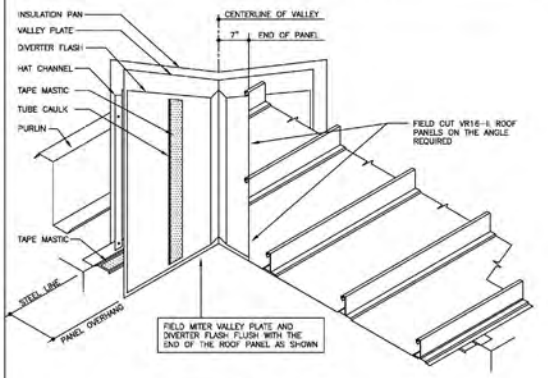

INSULATION PAN, EAVE PLATE, AND HAT CHANNEL DETAIL AT LOW EAVE CORNER
SEE ERECTION NOTES 1, 2, 3, AND 4




VALLEY PLATE AND DIVERTER FLASH DETAIL AT LOW EAVE CORNER
SEE ERECTION NOTES 5, 6, AND 7

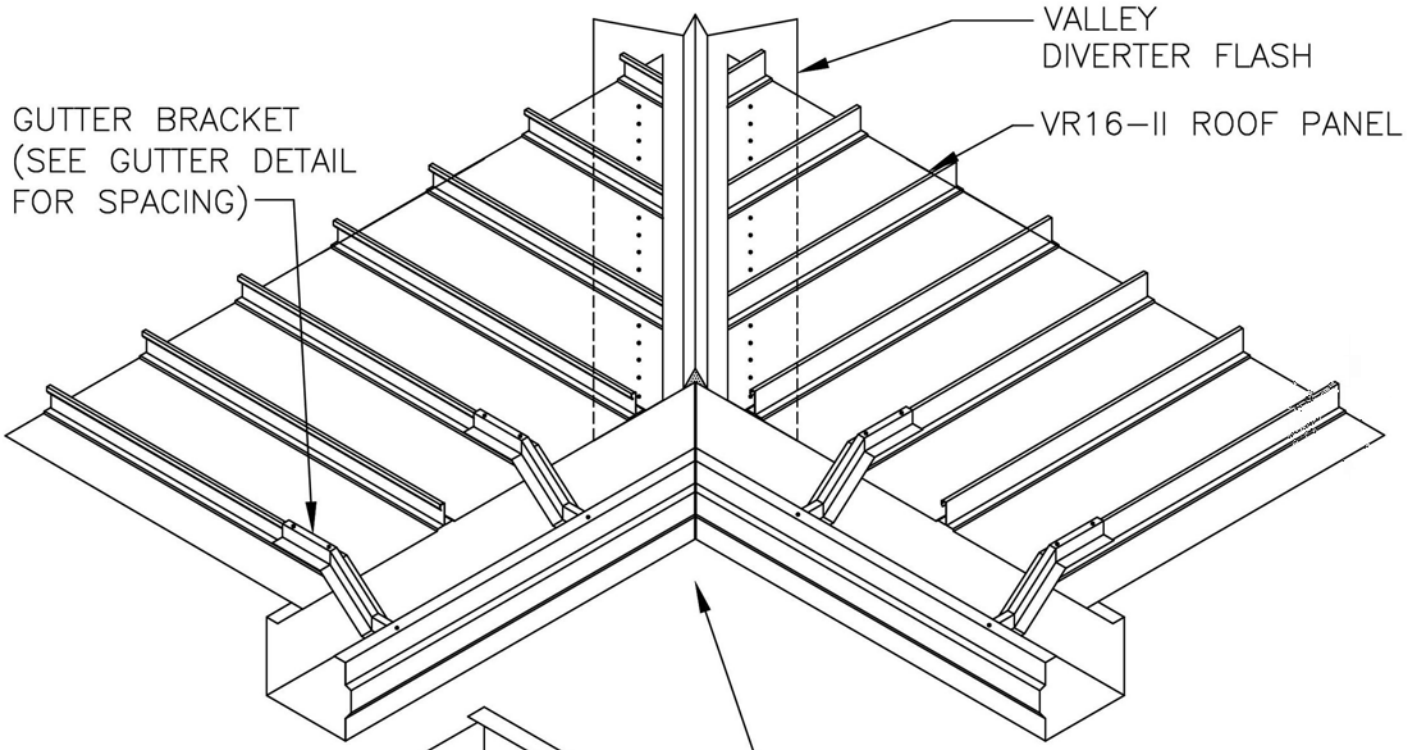


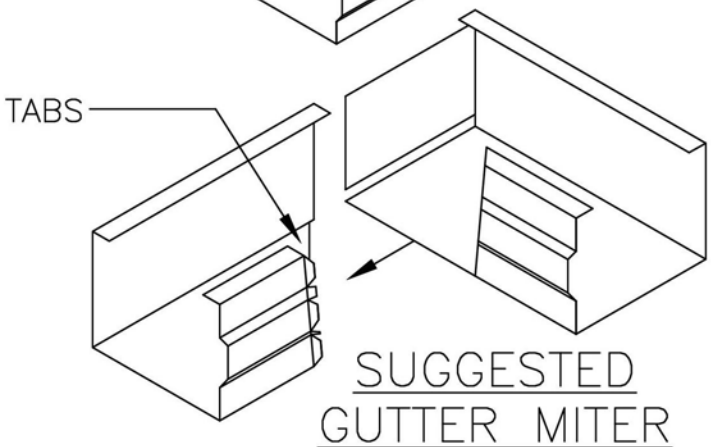

SEALANT DETAIL AT LOW END OF PANELS
SEE ERECTION NOTE 9




ROOF PANEL CUT DETAIL

## ED3200 – GUTTER CORNER AT VALLEY




SUGGESTED
GUTTER MITER

MITER THE GUTTERS AT THE CORNER AS SHOWN AND FASTEN TOGETHER WITH POP RIVETS (MK. H1100). CAULK AT MITER WITH TUBE CAULK MK. H3152.

REFER TO THE LOW EAVE GUTTER DETAIL ON SHEET D*** FOR ADDITIONAL INFO

# LOW EAVE GUTTER DETAIL AT VALLEY

ED3200