

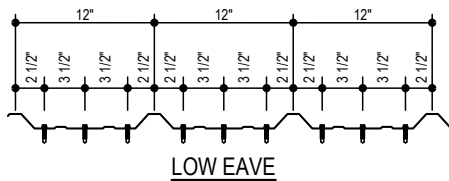
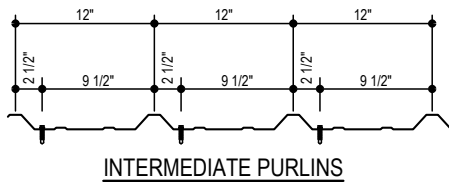
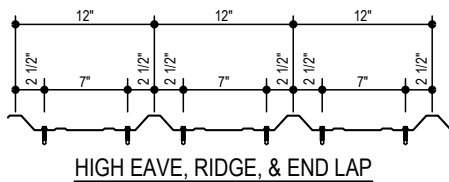
## GENERAL DETAILS

- DA0000-R-PANEL ROOF - GENERAL NOTES
  - DA0001 - STRUCTURAL FASTENER SPACING (STANDARD)
  - DA0002 - SIDE LAP FASTENER SPACING (STANDARD)
  - DA0003 - SIDE LAP FASTENER SPACING (1\_3 POINTS)
  - DA0004 - SIDE LAP FASTENER SPACING (1\_4 POINTS)
  - DA0005 - SIDE LAP FASTENER SPACING (1\_5 POINTS)
  - DA0006 - SIDE LAP FASTENER SPACING (1\_6 POINTS)
  - DA0007 - STRUCTURAL FASTENER SPACING (FM)
  - DA0008 - SIDE LAP FASTENER SPACING (FM)
  - DA0071 - PANEL ENDLAP
  - DA0100 - R-PANEL EXPANSION JOINT
  - DA0105 - TRANSVERSE EXPANSION JOINT
  - DA0106 - TRANSVERSE EXPANSION JOINT
  - DA0110 - RAKE TRIM EXP AT ROOF PANEL EXP
  - DA0115 - RAKE PARAPET EXPANSION JOINT
  - DA0140 - TIE-IN TO EXISTING R-PANEL ROOF (WITHOUT WALL PANEL)
  - DA0150 - TIE-IN TO EXISTING R-PANEL ROOF (WITH WALL PANEL)
  - DA0200 - PIPE BOOT
-



### DA0001 - STRUCTURAL FASTENER SPACING (STANDARD)

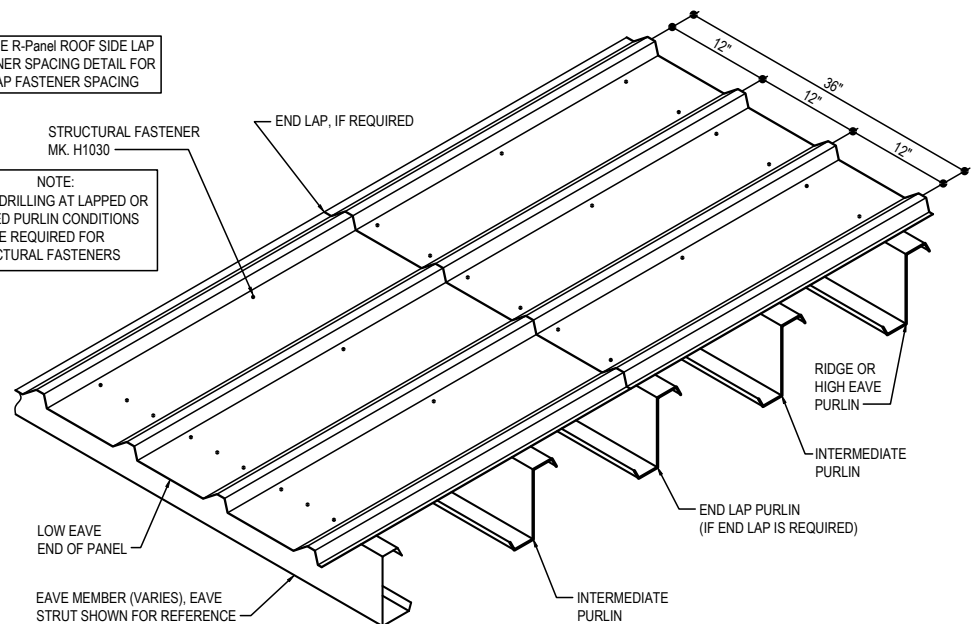
[Download the DWG file by clicking here.](#)



### R-Panel ROOF STRUCTURAL FASTENER SPACING (STANDARD)

SEE THE R-Panel ROOF SIDE LAP FASTENER SPACING DETAIL FOR SIDE LAP FASTENER SPACING

NOTE:  
FIELD DRILLING AT LAPPED OR NESTED PURLIN CONDITIONS MAY BE REQUIRED FOR STRUCTURAL FASTENERS



FASTEN INSULATION WITH H1020 FASTENER & H2200 INSULATION WASHER 12" O.C. AT LOW SIDE AND HIGH SIDE MEMBERS. FASTEN AT HIGH RIB LOCATIONS.

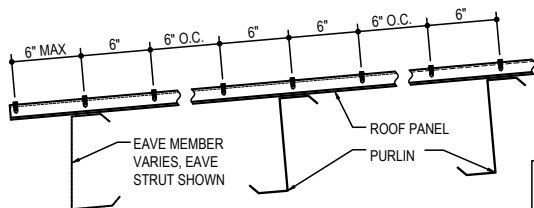
**DA0001**

#### Detailer Notes:

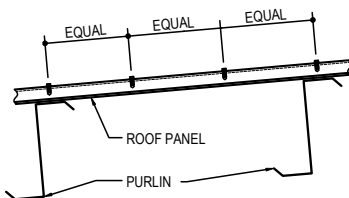
- 1) THIS DETAIL IS ALWAYS REQUIRED (NO FM REQUIREMENTS) (IF FM REQ'D, USE DA0007).
- 2) DETAILS DA0002 THROUGH DA0006 ARE SIDE LAP FASTENER DETAILS. IF ENGINEER DOES NOT SPECIFY SPECIAL SIDE LAP FASTENER SPACING, USE DA0002. IF SPECIAL SIDE LAP FASTENER SPACING IS REQUIRED, CHOOSE FROM DA0003 THROUGH DA0006.

### DA0002 - SIDE LAP FASTENER SPACING (STANDARD)

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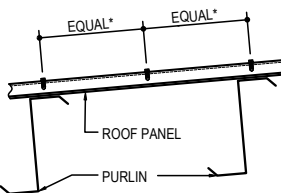


**FIRST TWO LOW EAVE SPANS**  
(EACH SUPPORT AND 6" ON CENTER BETWEEN SUPPORTS)



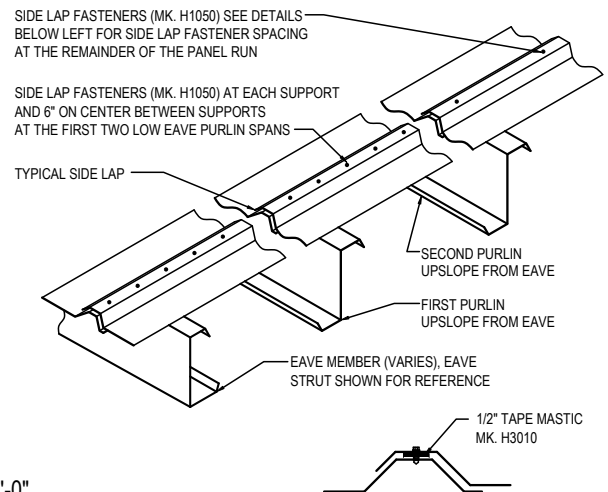
**SPANS GREATER THAN 5'-0"**  
(EACH SUPPORT AND 1/3 POINTS BETWEEN SUPPORTS)

SEE THE R-Panel ROOF STRUCTURAL FASTENER SPACING DETAIL FOR STRUCTURAL FASTENER SPACING



**SPANS LESS THAN OR EQUAL TO 5'-0"**

NON-UL 90	EACH SUPPORT AND MIDPOINT BETWEEN SUPPORTS.
UL 90	EACH SUPPORT AND SPACED EQUALLY BETWEEN SUPPORTS. NOT TO EXCEED 18" (1'-6").



**SIDE LAP MASTIC DETAIL**  
(AT FULL LENGTH OF ALL SIDE LAPS)

### R-Panel ROOF SIDE LAP FASTENER SPACING (STANDARD)

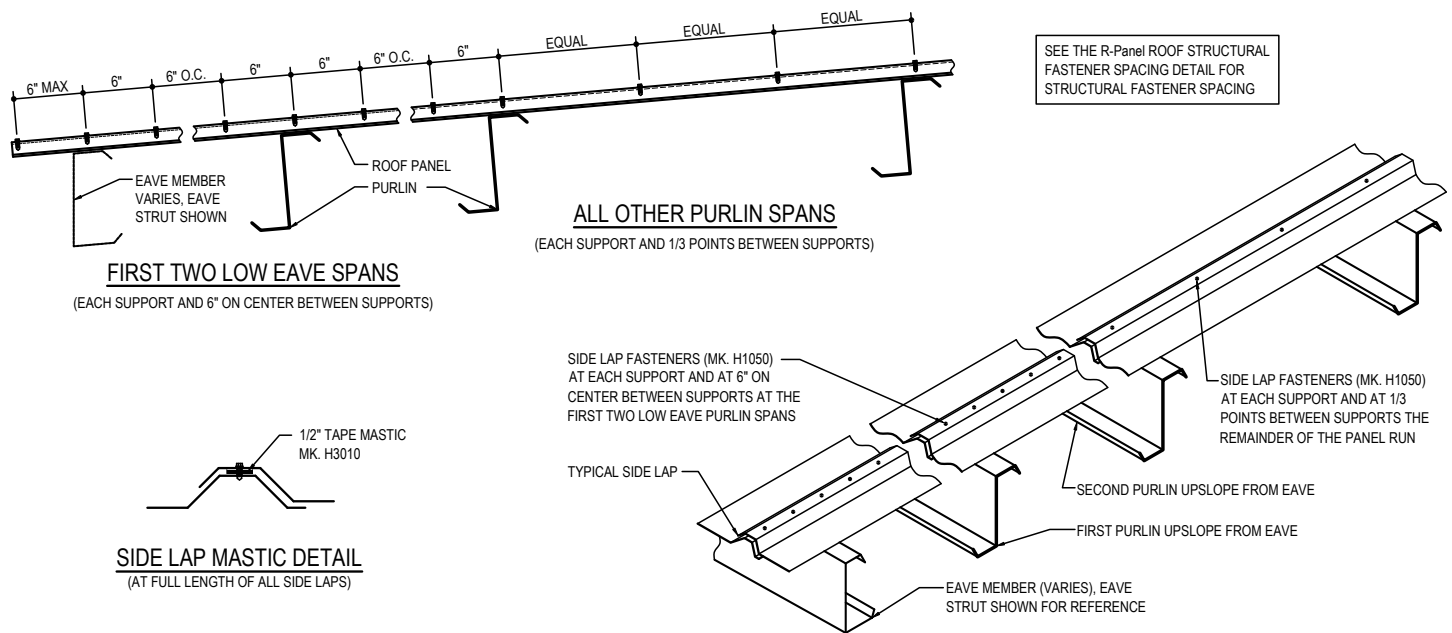
DA0002

#### Detailer Notes:

- 1) THIS IS THE STANDARD SIDE LAP FASTENER DETAIL.
- 2) IF THE ENGINEER DOES NOT SPECIFY SPECIAL SIDE LAP FASTENER SPACING, USE THIS DETAIL. IF SPECIAL SIDE LAP FASTENER SPACING IS REQUIRED, CHOOSE FROM DA0003 THROUGH DA0006.

### DA0003 - SIDE LAP FASTENER SPACING (1/3 POINTS)

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



### R-Panel ROOF SIDE LAP FASTENER SPACING (1/3 POINTS)

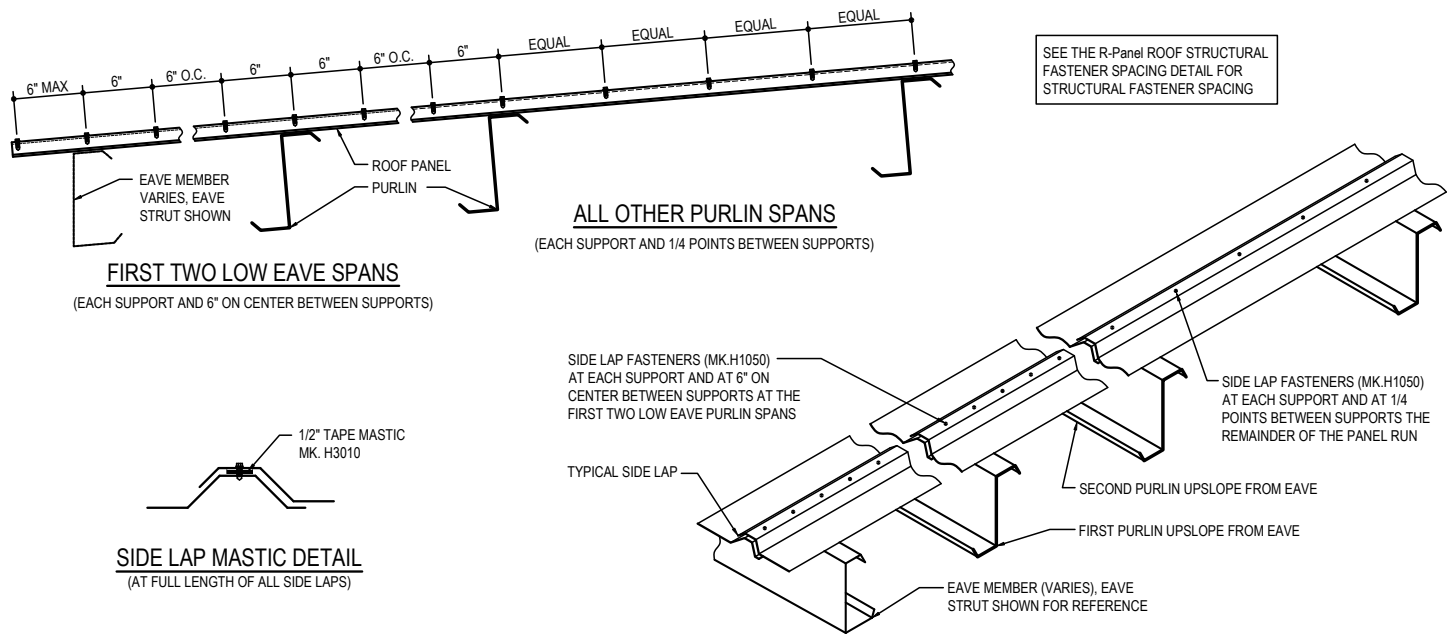
DA0003

#### Detailer Notes:

- 1) N/A

### DA0004 - SIDE LAP FASTENER SPACING (1/4 POINTS)

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### R-Panel ROOF SIDE LAP FASTENER SPACING (1/4 POINTS)

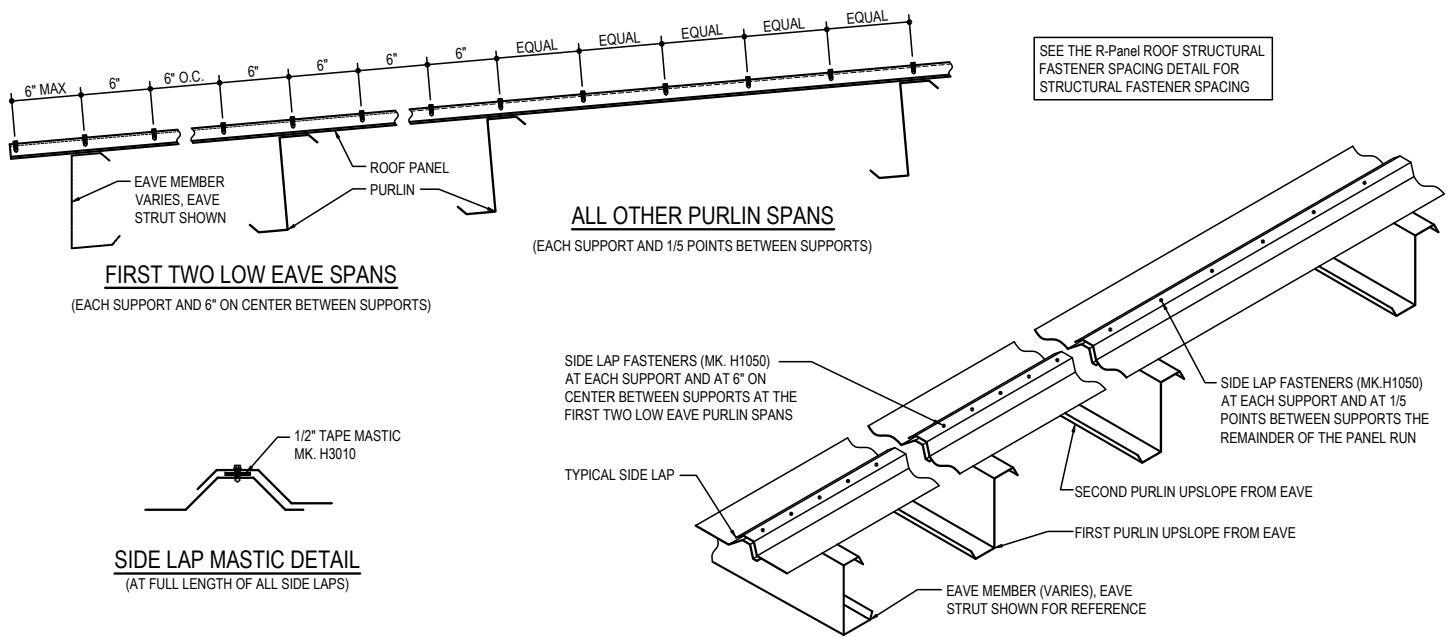
DA0004

#### Detailer Notes:

- 1) N/A

DA0005 - SIDE LAP FASTENER SPACING (1/5 POINTS)

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R-Panel ROOF SIDE LAP FASTENER SPACING (1/5 POINTS)

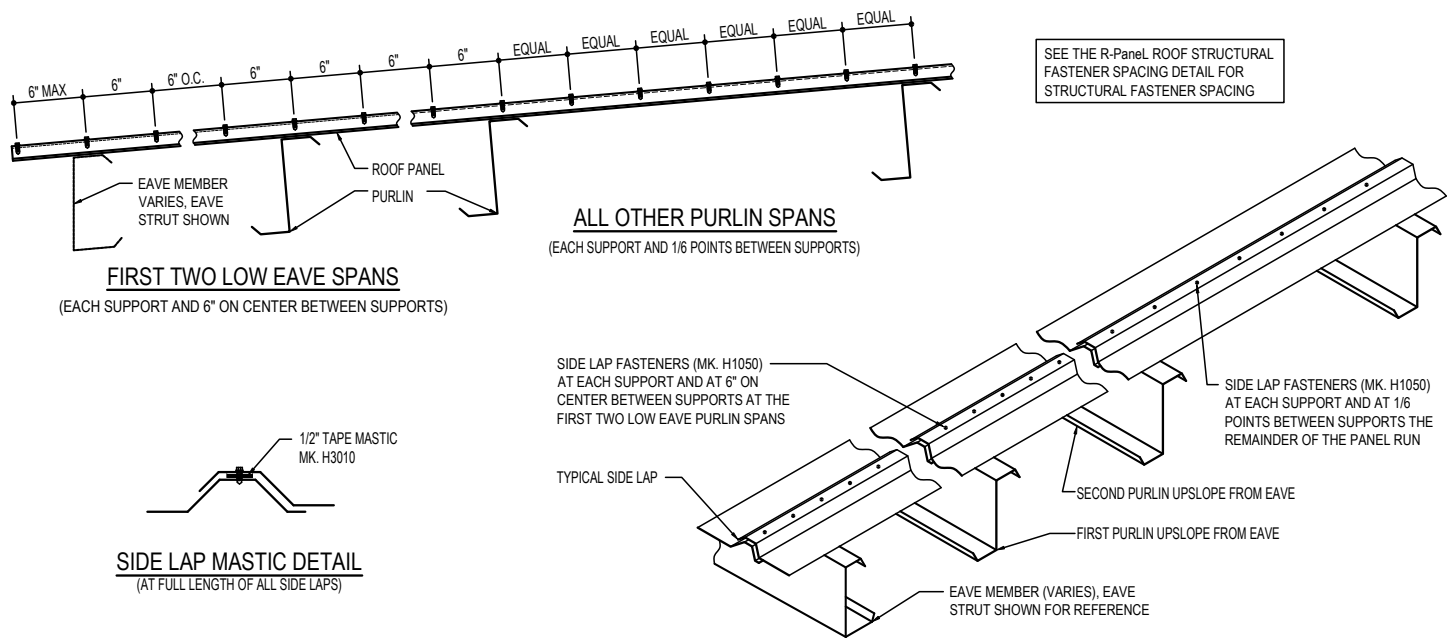
DA0005

Detailer Notes:

- 1) N/A

### DA0006 - SIDE LAP FASTENER SPACING (1/6 POINTS)

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### R-Panel ROOF SIDE LAP FASTENER SPACING (1/6 POINTS)

DA0006

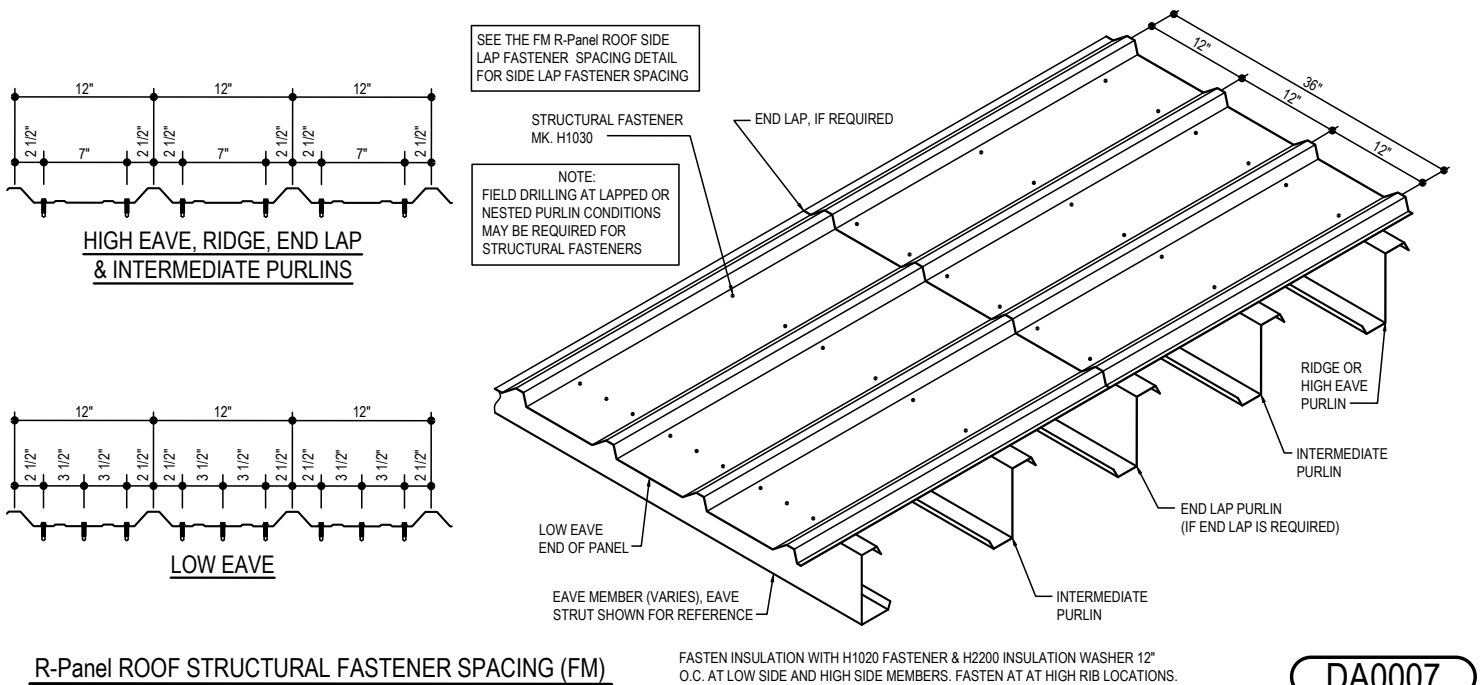
#### Detailer Notes:

- 1) N/A



### DA0007 - STRUCTURAL FASTENER SPACING (FM)

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

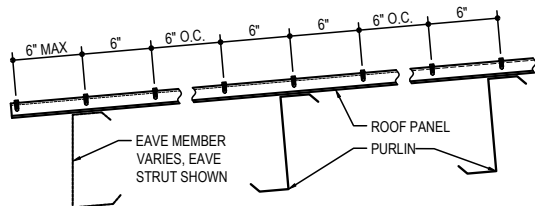


#### Detailer Notes:

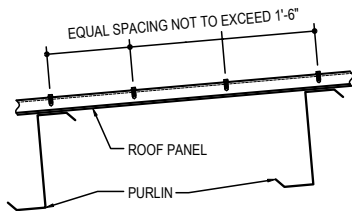
- 1) THIS DETAIL CAN ALSO BE USED FOR HIGH WIND CONDITIONS.

### DA0008 - SIDE LAP FASTENER SPACING (FM)

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



**FIRST TWO LOW EAVE SPANS**  
(EACH SUPPORT AND 6" ON CENTER BETWEEN SUPPORTS)



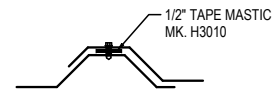
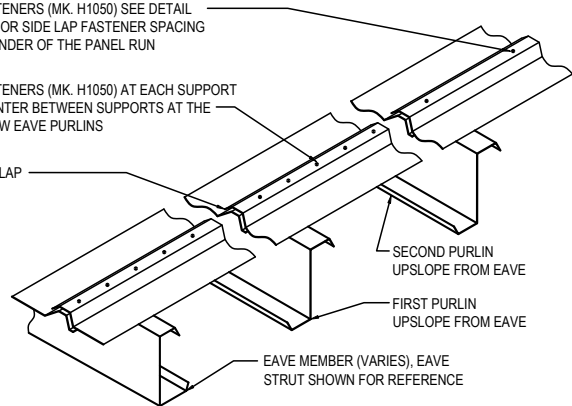
**MAX. SPAN = 5'-0"**

SEE THE FM R-PANEL ROOF STRUCTURAL FASTENER SPACING DETAIL FOR STRUCTURAL FASTENER SPACING

SIDE LAP FASTENERS (MK. H1050) SEE DETAIL BELOW LEFT FOR SIDE LAP FASTENER SPACING AT THE REMAINDER OF THE PANEL RUN

SIDE LAP FASTENERS (MK. H1050) AT EACH SUPPORT AND 6" ON CENTER BETWEEN SUPPORTS AT THE FIRST TWO LOW EAVE PURLINS

TYPICAL SIDE LAP



**SIDE LAP MASTIC DETAIL**  
(AT FULL LENGTH OF ALL SIDE LAPS)

### R-Panel ROOF SIDE LAP FASTENER SPACING (FM)

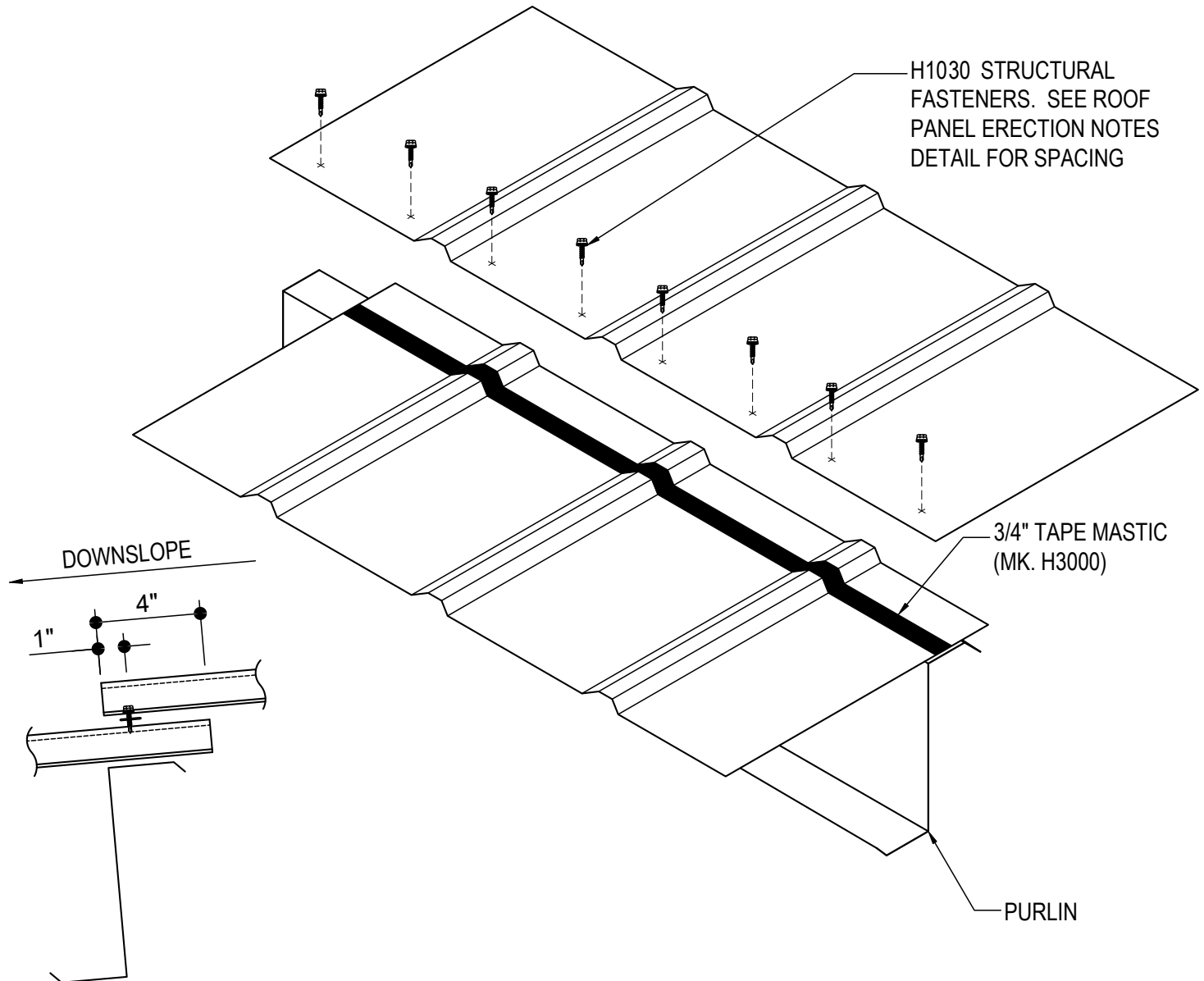
DA0008

#### Detailer Notes:

- 1) N/A

DA0071 - PANEL ENDLAP

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



**PANEL ENDLAP**

R-PANEL ROOF

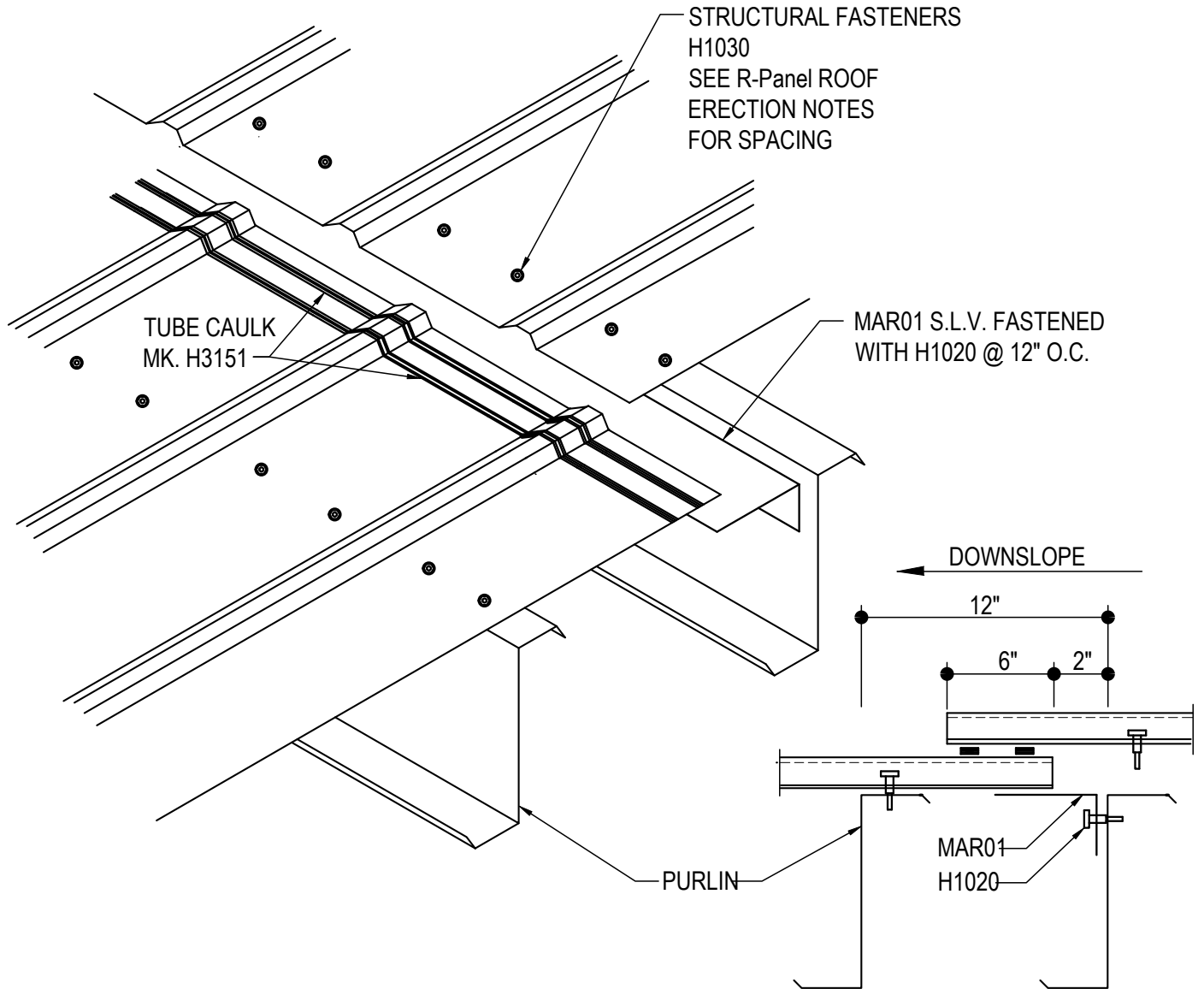
**DA0071**

Detailer Notes:

- 1) N/A

DA0100 - R-PANEL EXPANSION JOINT

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**R-Panel EXPANSION JOINT**

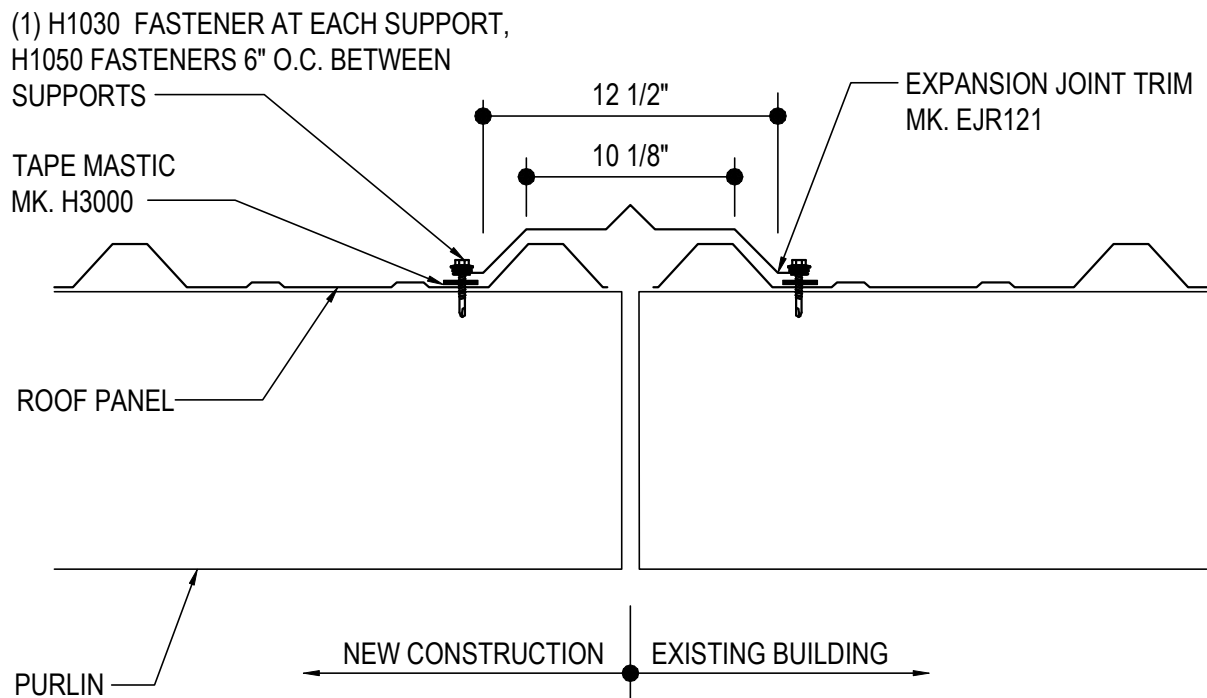
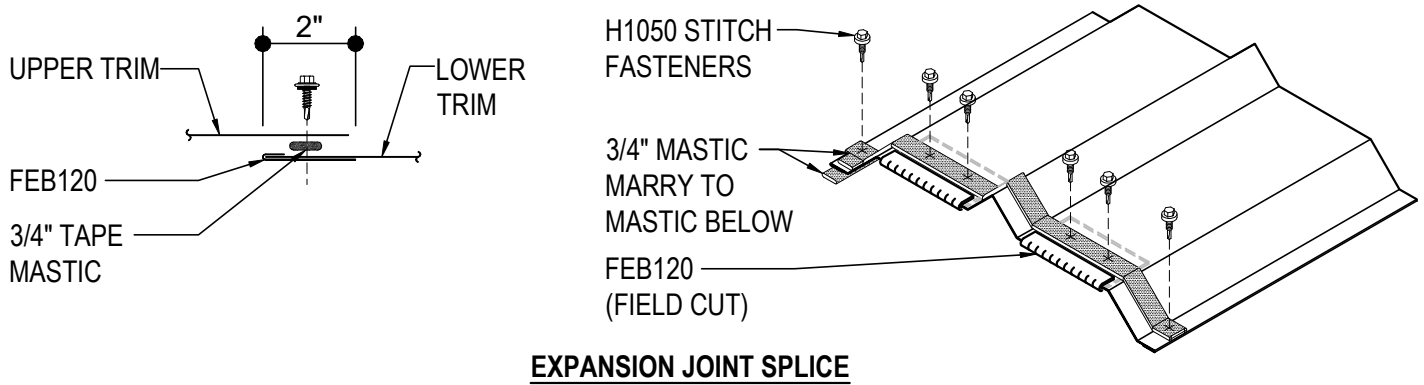
**DA0100**

Detailer Notes:

- 1) YOU WILL ALSO NEED THE RAKE TRIM EXPANSION JOINT DETAIL IF YOU HAVE THE ABOVE CONDITION (SEE DETAIL DA0110).

DA0105 - TRANSVERSE EXPANSION JOINT

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



## TRANSVERSE EXPANSION JOINT

R-Panel ROOF AT EXPANSION FRAME  
REFER TO THE SHEETING PLAN FOR CENTERLINE OF RIB START PANEL DIMENSIONS

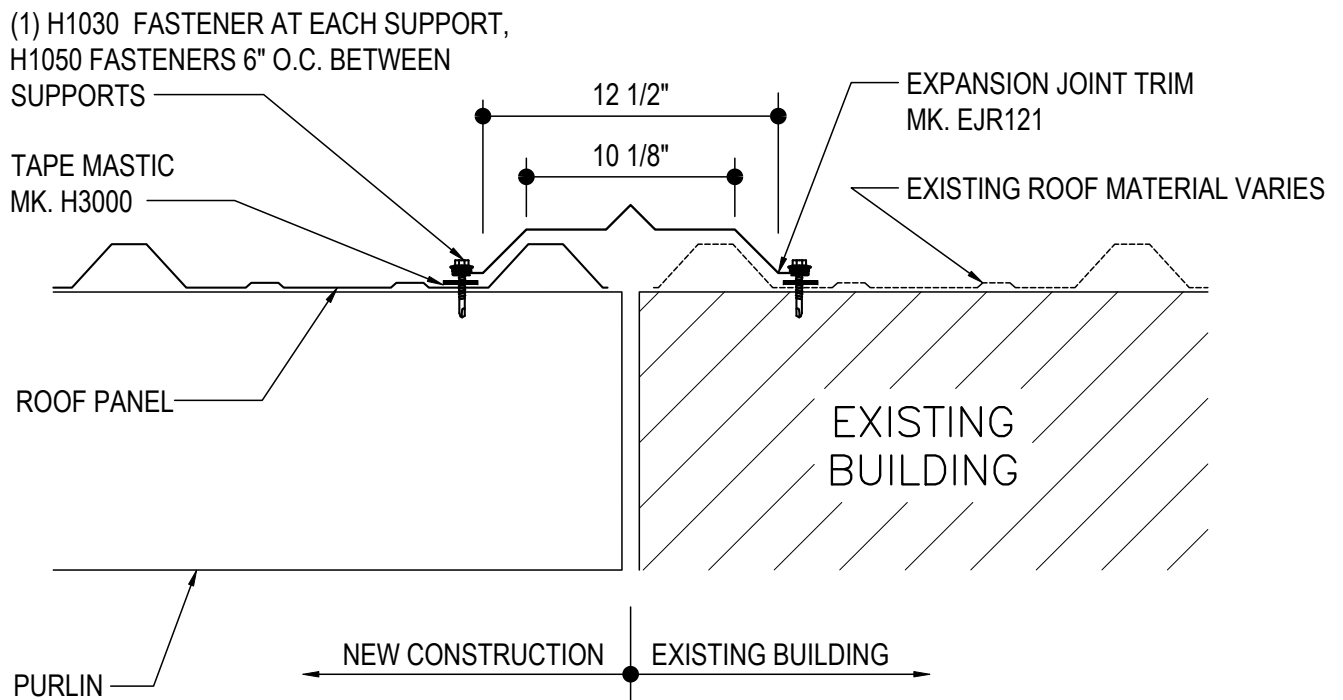
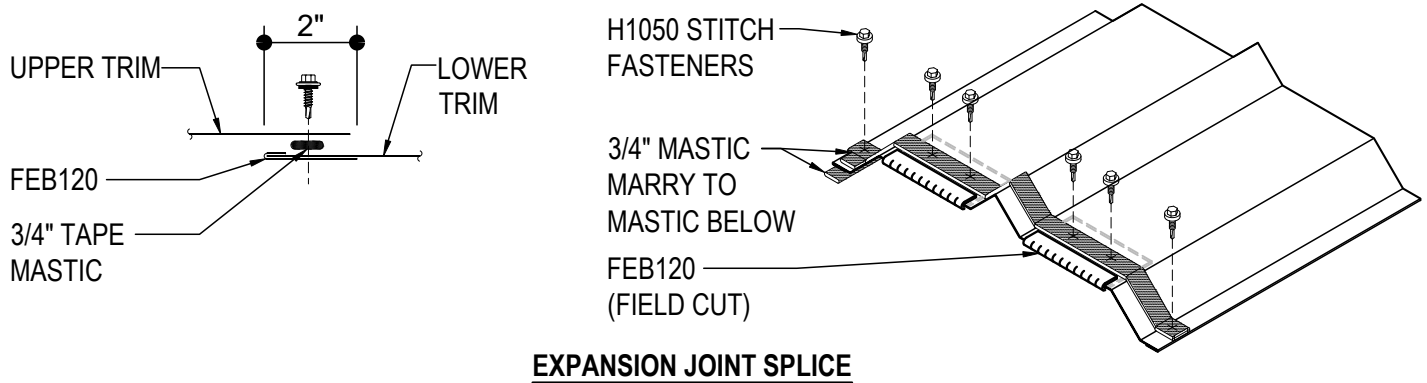
**DA0105**

Detailer Notes:

1) THIS DETAIL IS ONLY INTENDED TO BE USED WHEN SECONDARY FRAMING DOES NOT TIE TOGETHER OR WHEN THE SECONDARY MEMBERS ARE DESIGNED TO MOVE INDEPENDENTLY. LAY OUT PANELS AS REQUIRED TO ACCOMMODATE. PANELS CANNOT LAP TOGETHER AS SHOWN.

DA0106 - TRANSVERSE EXPANSION JOINT

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



## TRANSVERSE EXPANSION JOINT

R-Panel ROOF AT EXISTING BUILDING  
REFER TO THE SHEETING PLAN FOR CENTERLINE OF RIB START PANEL  
DIMENSIONS

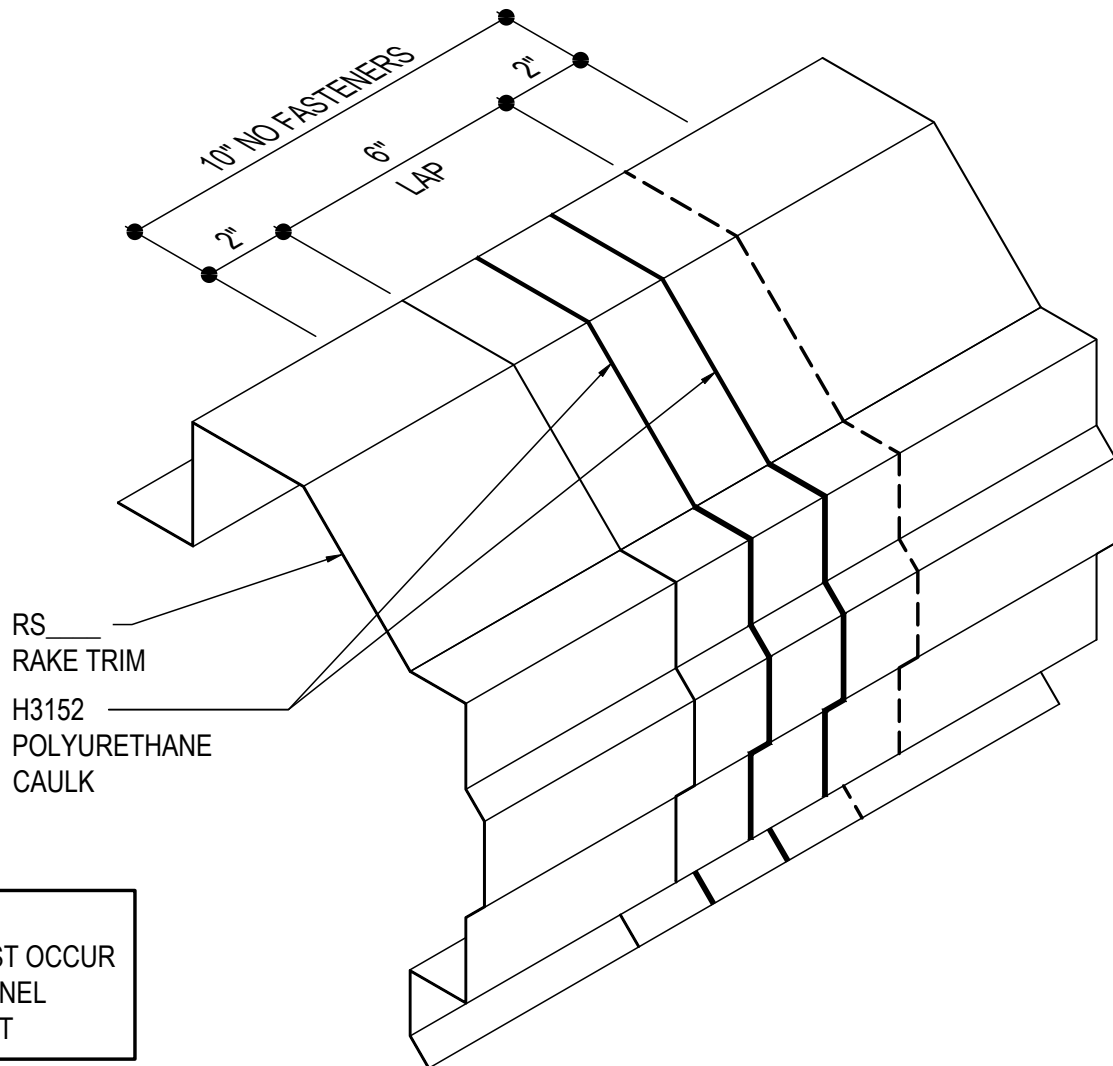
**DA0106**

Detailer Notes:

- 1) N/A

DA0110 - RAKE TRIM EXPANSION AT ROOF PANEL EXPANSION

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



ERECTOR NOTE:  
THIS DETAIL MUST OCCUR  
AT THE ROOF PANEL  
EXPANSION JOINT

**RAKE TRIM EXPANSION JOINT AT ROOF PANEL EXPANSION JOINT**

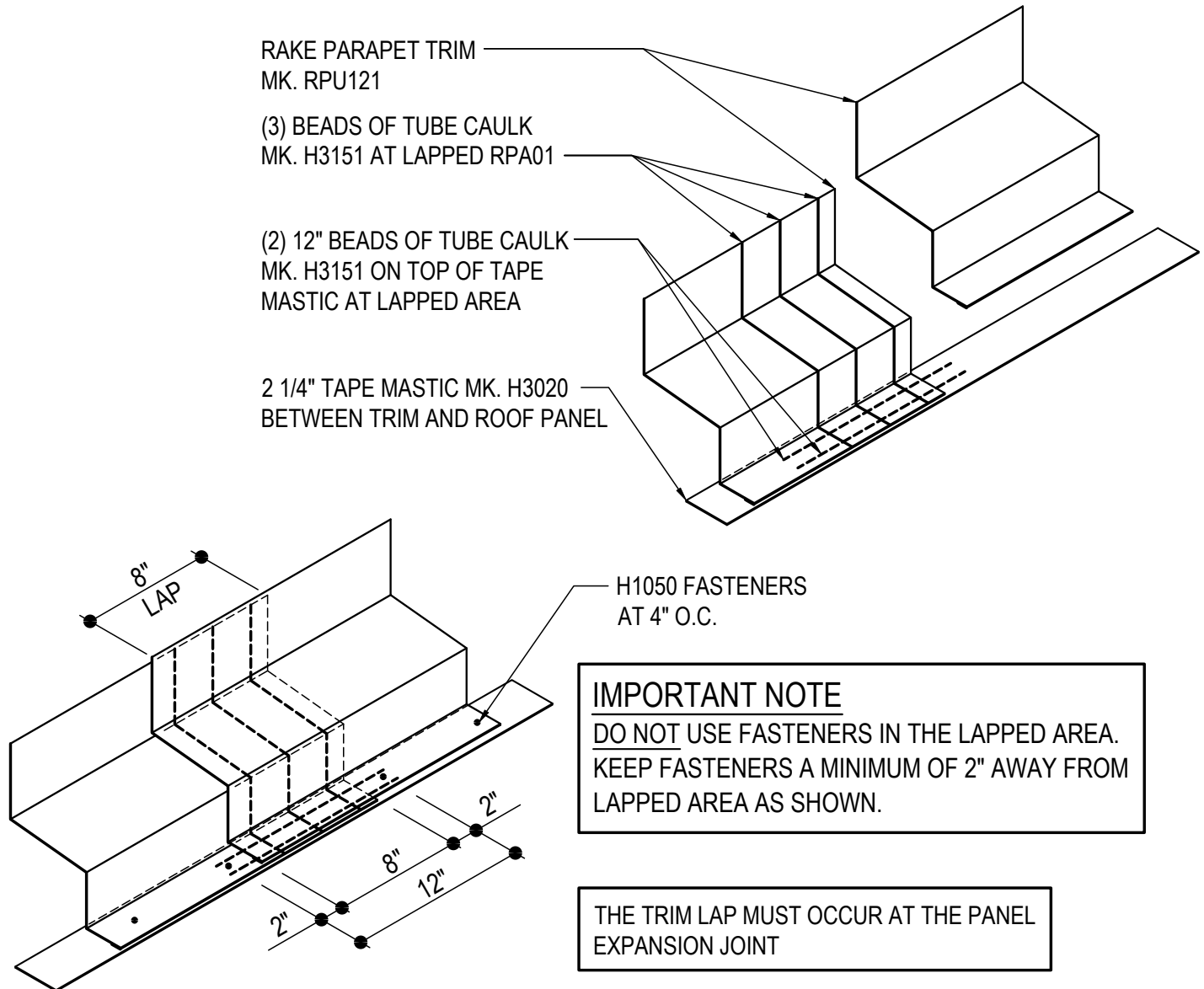
**DA0110**

Detailer Notes:

- 1) THIS DETAIL IS REQUIRED WHEN YOU HAVE AN EXPANSION JOINT IN THE ROOF PANELS (REFER TO DETAIL DA0100 FOR THE PANEL EXPANSION JOINT DETAILS).
- 2) DETAIL IS REQUIRED WHEN THE ROOF PANEL RUN EXCEEDS 120'-0".
- 3) THIS TRIM EXPANSION JOINT MUST OCCUR AT THE ROOF PANEL EXPANSION JOINT.

DA0115 - RAKE PARAPET EXPANSION JOINT

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## RAKE PARAPET EXPANSION JOINT

**DA0115**

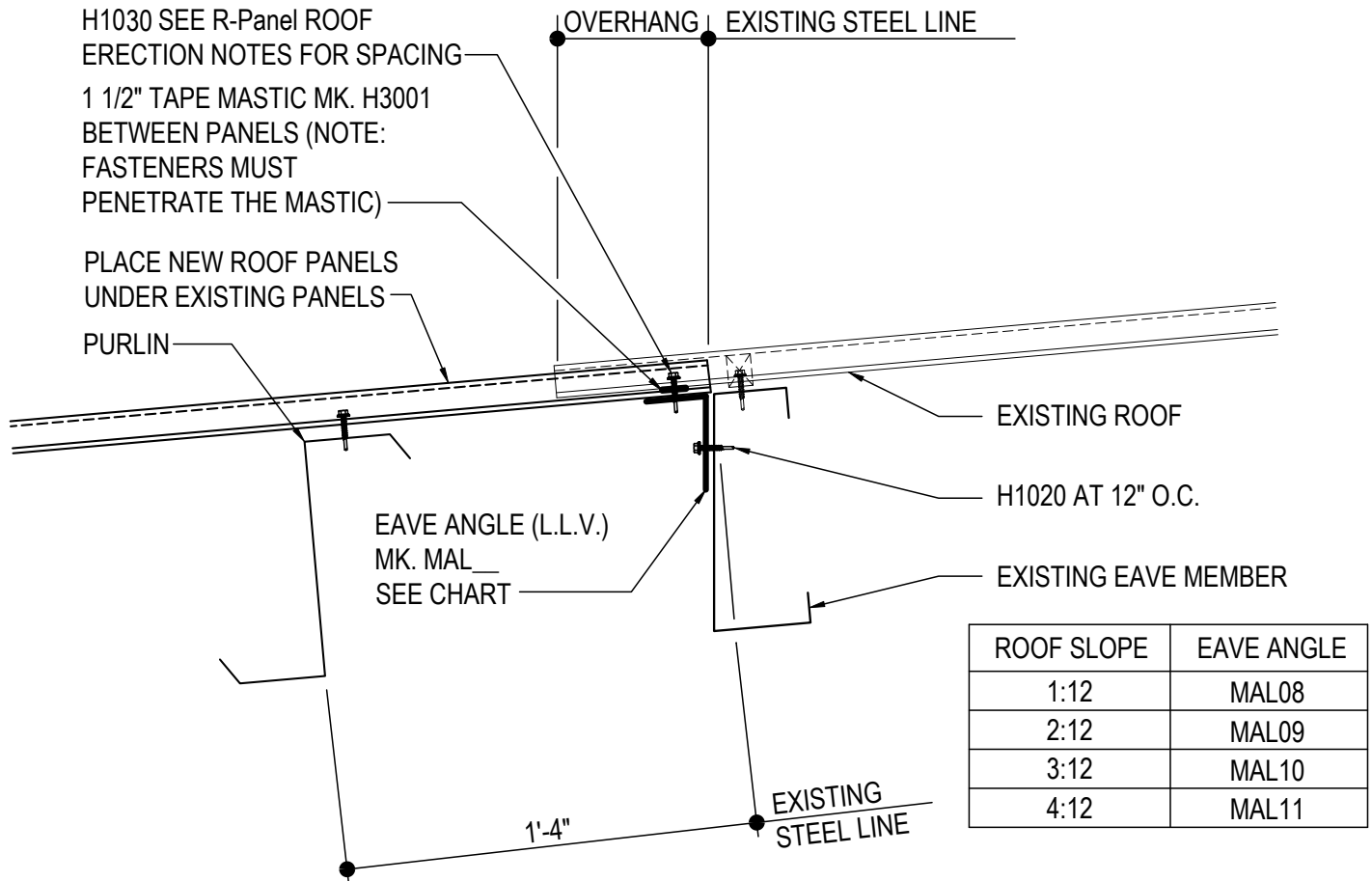
Detailer Notes:

1) N/A



DA0140 - TIE-IN TO EXISTING R-PANEL ROOF (W/O WALL PANEL)

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## R-Panel ROOF TIE-IN

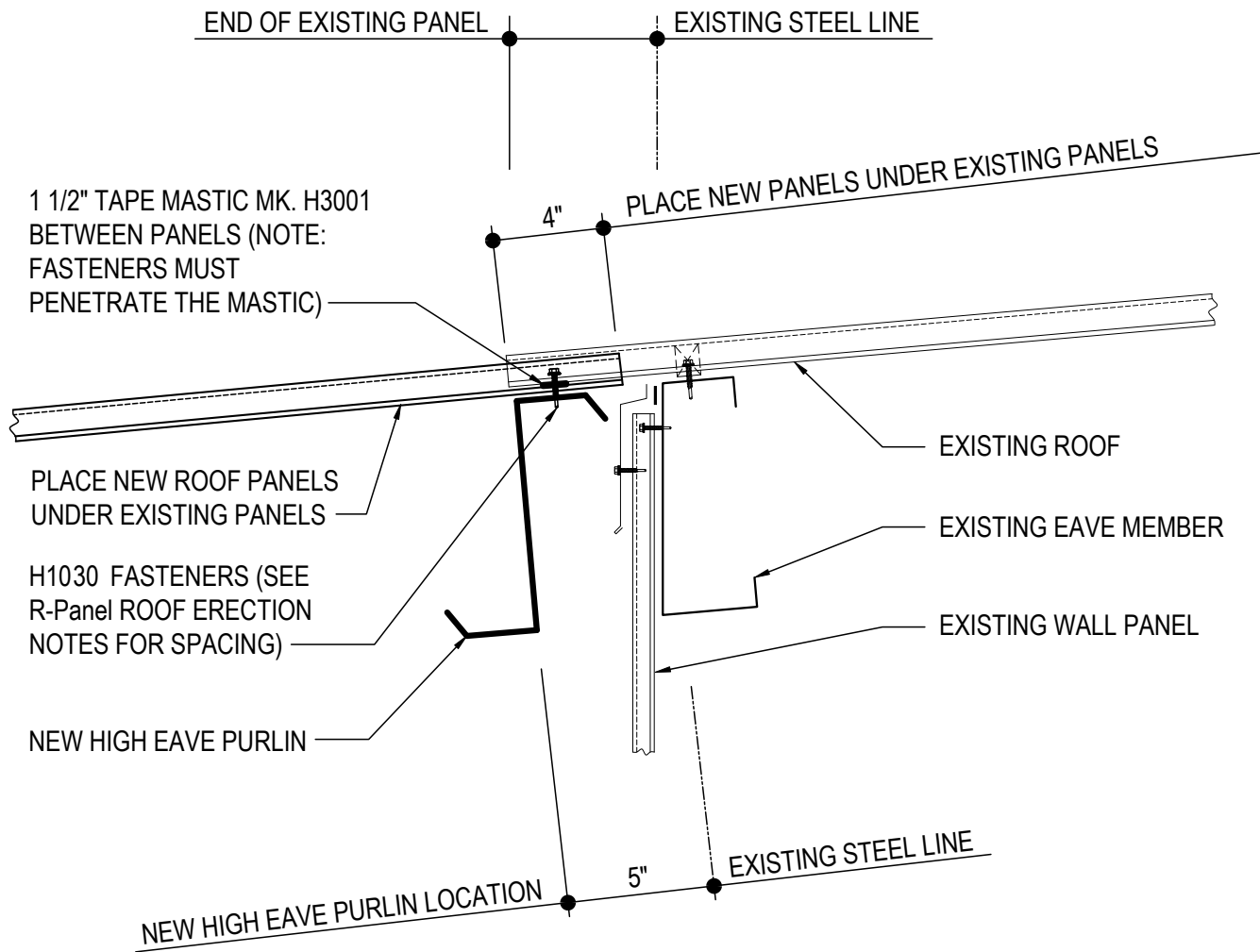
**DA0140**

Detailer Notes:

- 1) ALSO SEE DETAIL DA0150 FOR ANOTHER OPTION FOR THIS CONDITION.

DA0150 - TIE-IN TO EXISTING R-PANEL ROOF (W/ WALL PANEL)

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



## R-Panel ROOF TIE-IN DETAIL

AT EXISTING BUILDING LOW EAVE

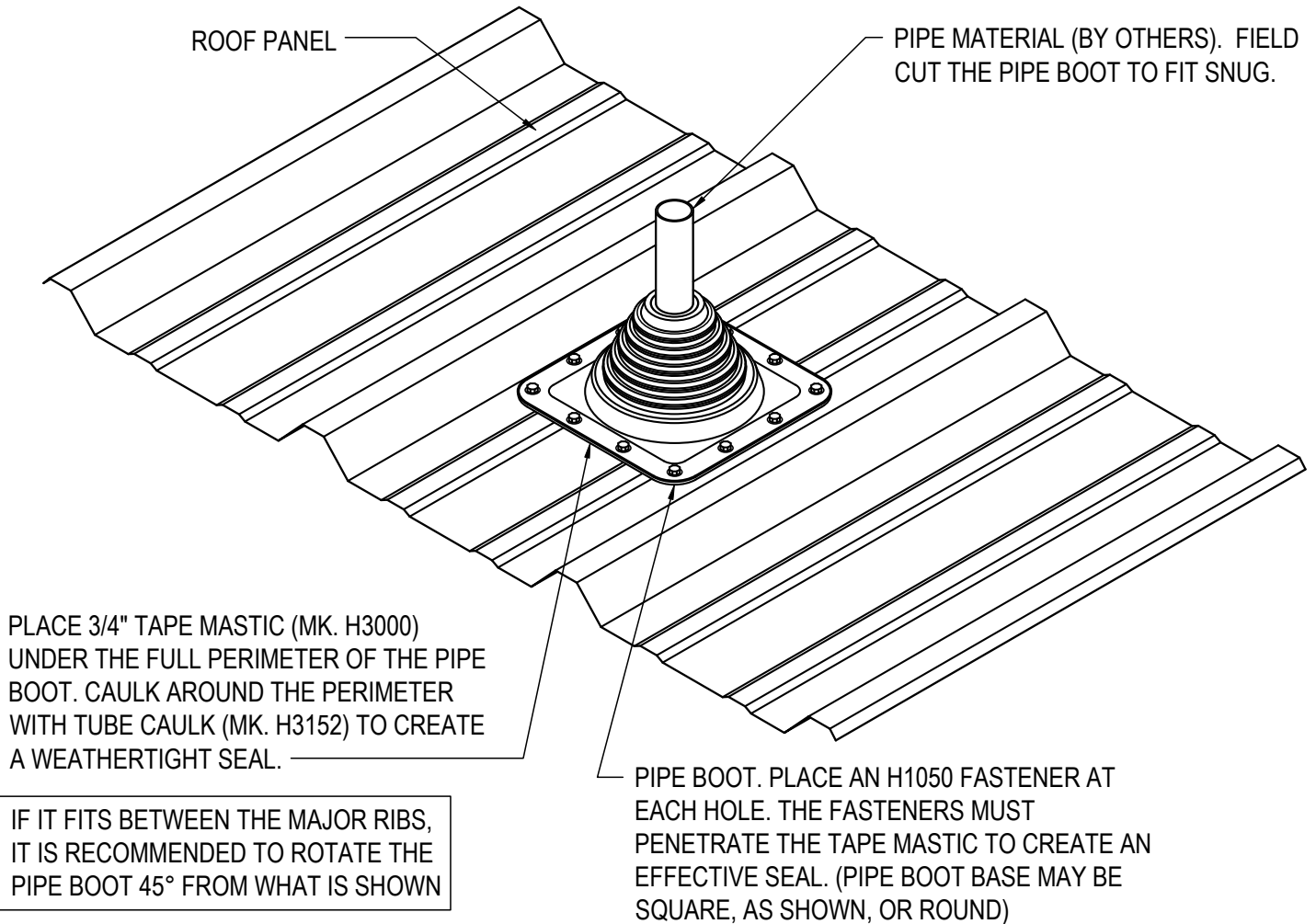
**DA0150**

Detailer Notes:

1) N/A

DA0200 - 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

**DA0200**

Detailer Notes:

- 1) N/A