

**GENERAL DETAILS**

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  - EA6016 - SS360 ROOF CLIP PLAN
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  - EA6029 - SSII REINFORCED SEAM CLAMP
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  - EA6076 - TRIM LAP COMPRESSION FASTENER
  - EA6200 - PIPE BOOT
-

EA6000 - ROOF PANEL HAND TOOLS / INSTALLATION VIDEOS

[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

SCAN THE QR CODE DIRECTLY BELOW FOR TOOL PURCHASE AND SEAMER RENTAL OR VISIT  
[HTTP://DIROOFSEAMERS.COM/NBG](http://diroofseamers.com/nbg) OR CALL 1(888) 343-0456.



INSTALLATION VIDEOS ARE NOW AVAILABLE TO ACCOMPANY ERECTION DETAILS.  
SCAN THE QR CODE ADJACENT TO THE TOPIC TO VIEW.

<https://vimeo.com/showcase/11423087>



EAVE  
PLATE



RAKE SUPPORT  
ANGLE



ROOF START  
PANEL



OUTSIDE  
CLOSURE



ON-SLOPE  
GUTTER



SCULPTURED  
RAKE TRIM

EA6000

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, TURN OFF CORRESPONDING LAYER.





**EA6011 - SS360 BASIC 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 SECTION DRAWING SET FOR CONDITIONS SPECIFIC TO THIS PROJECT.

**START PANEL PREPARATION**

THE ROOF SYSTEM IS DESIGNED TO BE ELEVATED AND FLOATED ABOVE THE ROOF SUPPORT MEMBERS. BEGIN AT THE LOWER RAKE CORNER BY INSTALLING THE EAVE PLATE. REFERENCE EAVE PLATE INSTALLATION BELOW.

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

INSTALL THE RAKE CLIPS AND RAKE ANGLE TO SUPPORT / SECURE THE START PANEL. (REFERENCE RAKE ANGLE / RAKE CLIP PREPARATION TO THE RIGHT)

**FIELD CUT AND INSTALL START PANEL**

THE START PANEL IS SUPPLIED AS FULL SHEET AND WILL NEED TO BE CUT. REFER TO THE ROOF SHEETING PLAN FOR START / FINISH DIMENSIONS AND RAKE DETAILS TO DETERMINE PROPER PANEL CUT. INSTALL THE START PANEL LOW EAVE PANEL FIRST IF PANEL RUN IS LONG ENOUGH TO REQUIRE ENCLAPS BY SECURING THE PANEL TO THE EAVE PLATE AND RAKE ANGLE. (REFERENCE LOW EAVE AND RAKE DETAILS). INSTALL PANEL CLIP ON LEADING EDGE OF PANEL AS SHOWN IN THE PANEL CLIP DETAIL. CONTINUE TO INSTALL UPSLOPE START PANEL & ENCLAPS ARE REQUIRED. REFERENCE THE BACKUP PLATE DETAIL AND ENCLAP DETAIL FOR ATTACHMENT OF START PANEL(S) AT RAKE ANGLE.

**INTERMEDIATE PANEL & MODULARITY**

THE INTERMEDIATE PANELS (FULL PANELS) SHOULD BE INSTALLED BY ROLLING THE PANEL INTO PLACE ENSURING THE SEAM IS FULLY ENGAGED. SECURE THE PANELS WITH PANEL CLIPS AND THE LOW EAVE ACROSS THE ROOF. IT IS RECOMMENDED TO INSTALL THE OUTSIDE CLOSURE AT THE HIGH EAVE / RIDGE AS THE ROOF PROGRESSES. THIS WILL HELP MAINTAIN MODULARITY. (REFERENCE HIGH EAVE / RIDGE DETAILS)

**FINISH PANEL**

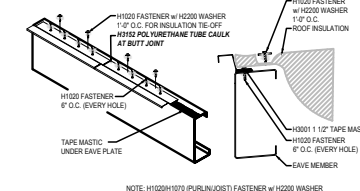
THE FINISH PANEL IS SIMILAR TO THE START PANEL INSTALLATION. THE RAKE ANGLE CLIPS AND RAKE ANGLE NEEDS TO BE INSTALLED ON TOP OF THE INSULATION PRIOR TO INSTALLING THE FINISH PANEL. THE FINISH PANEL SHOULD BE FIELD CUT AND ROLLED INTO PLACE AND SECURED TO THE RAKE ANGLE SIMILAR TO THE START PANEL.

**TRIM 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 FASTENING EVERY HOLE TO EAVE MEMBER (Ø C.C.) PRIOR TO INSULATION BEING INSTALLED. SECURE INSULATION WITH FASTENERS & INSULATION RETAINERS WASHERS. NOTE: Ø 1/2" ROOF INSULATION IS USED TO SECURE EAVE PLATE IN EVERY HOLE (Ø C.C.)

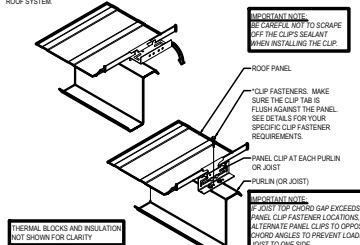


NOTE: H1020H1070 (PURLIN/JOIST) FASTENER w/ H2000 WASHER 1" Ø C.C. FOR INSULATION TIE-OFF PROVIDED AT HIGH SIDE / RIDGE

SP15H	BASIC EAVE / GUTTER	EP10H	BASIC EAVE / GUTTER	SP10H	BASIC EAVE / GUTTER
	TALL EAVE PLATE		SUPER TALL EAVE PLATE		

**PANEL CLIP INSTALLATION**

BEFORE INSTALLING THE PANEL CLIP, FEEL FOR THE SUPPORT MEMBER BELOW THE INSULATION. ALIGN CLIP CENTERED OVER THE SUPPORT MEMBER AND ROLL CLIP OVER THE MALE HOOK OF THE PANEL. FASTEN CLIP WITH FASTENERS AS SPECIFIED IN THE DETAILS BASED ON THE SUPPORT MEMBER AND INSULATION UTILIZES FOR THE ROOF SYSTEM.

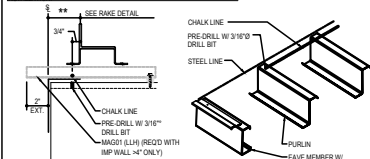


CLIP FASTENER SELECTION	STANDARD CLIPS	PERIMETER CLIPS																								
SEE DETAIL ABOVE	<table border="1"> <tr> <th>PART #</th> <th>PART DESCRIPTION</th> <th>PART #</th> <th>PART DESCRIPTION</th> </tr> <tr> <td>SP3C-1R</td> <td>SHORT CLIP</td> <td>SP3C-1P</td> <td>12" TALL CLIP</td> </tr> <tr> <td>SP3C-1R</td> <td>SHORT CLIP - REINFORCED</td> <td>SP3C-1P2</td> <td>12" TALL CLIP</td> </tr> <tr> <td>SP3C-2TR</td> <td>TALL CLIP - REINFORCED</td> <td>SP3C-2T</td> <td>SUPER TALL CLIP</td> </tr> </table>	PART #	PART DESCRIPTION	PART #	PART DESCRIPTION	SP3C-1R	SHORT CLIP	SP3C-1P	12" TALL CLIP	SP3C-1R	SHORT CLIP - REINFORCED	SP3C-1P2	12" TALL CLIP	SP3C-2TR	TALL CLIP - REINFORCED	SP3C-2T	SUPER TALL CLIP	<table border="1"> <tr> <th>PART #</th> <th>PART DESCRIPTION</th> </tr> <tr> <td>H2001</td> <td>SHORT CLIPS</td> </tr> <tr> <td>H2001</td> <td>TALL CLIPS</td> </tr> <tr> <td>H2001</td> <td>SUPER TALL CLIPS</td> </tr> </table>	PART #	PART DESCRIPTION	H2001	SHORT CLIPS	H2001	TALL CLIPS	H2001	SUPER TALL CLIPS
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SP3C-2TR	TALL CLIP - REINFORCED	SP3C-2T	SUPER TALL CLIP																							
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H2001	SHORT CLIPS																									
H2001	TALL CLIPS																									
H2001	SUPER TALL CLIPS																									

**RAKE ANGLE / RAKE CLIP PREPARATION**

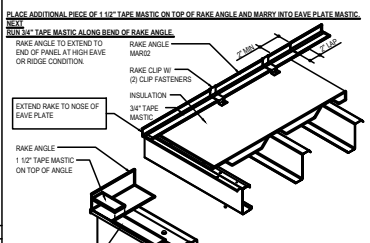
PRIOR TO INSTALLING THE ROOF INSULATION, THE SECONDARY MEMBER WILL NEED TO BE PRE-DRILLED FOR THE RAKE CLIPS. PRE-DRILLING WILL MAKE INSTALLATION OF THE RAKE AND RAKE CLIP MUCH EASIER AFTER INSULATION IS IN PLACE. DO NOT INSTALL RAKE CLIPS UNTIL INSULATION (IF REQUIRED) IS INSTALLED. **RAKE CLIP IS INSTALLED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

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



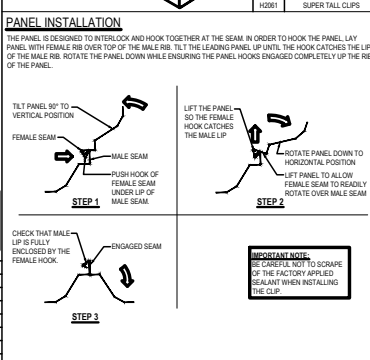
**RAKE ANGLE / RAKE CLIP INSTALLATION**

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



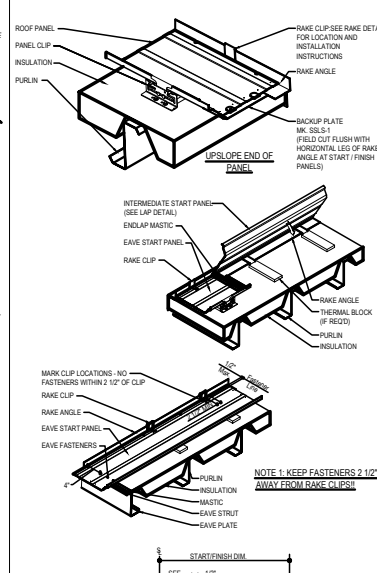
**PANEL INSTALLATION**

THE PANEL IS DESIGNED TO INTERLOCK AND HOOK TOGETHER AT THE SEAM. IN ORDER TO HOOK THE PANEL LAY PANEL WITH FEMALE RIB OVER TOP OF THE MALE RIB. TILT THE LEADING PANEL UP UNTIL THE HOOK CATCHES THE CLIP OF THE MALE RIB. ROTATE THE PANEL DOWN WHILE ENSURING THE PANEL HOOKS ENGAGED COMPLETELY UP THE RIB OF THE PANEL.



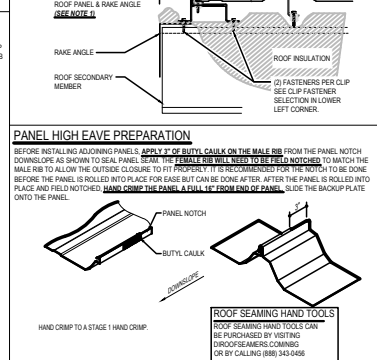
**BACKUP PLATE INSTALLATION**

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



**PANEL HIGH EAVE PREPARATION**

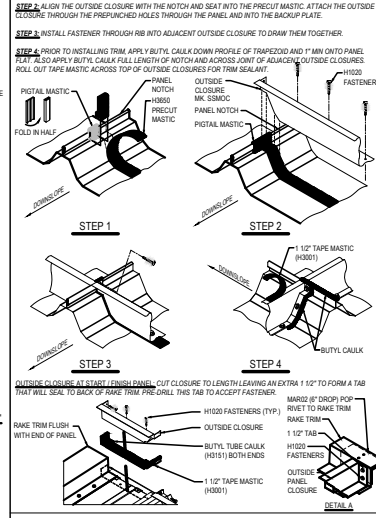
BEFORE INSTALLING ADJACENT PANELS, APPLY 1 1/2" BUTYL CALK ON THE MALE RIB FROM THE PANEL NOTCH DOWNWARDS AS SHOWN TO SEAL PANEL SEAM. THE FEMALE RIB WILL NEED TO BE FIELD NOTCHED TO MATCH THE MALE RIB TO ALLOW THE OUTSIDE CLOSURE TO FIT. PREPARE IT IS RECOMMENDED FOR THIS TO BE DONE BEFORE THE PANEL IS ROLLED INTO PLACE FOR EASE BUT CAN BE DONE AFTER. AFTER THE PANEL IS ROLLED INTO PLACE AND FIELD NOTCHED, HAND CRIMP THE PANEL EDU 1/4" FROM END OF PANEL. SLIDE THE BACKUP PLATE ONTO THE PANEL.



**OUTSIDE CLOSURE MASTIC INSTALLATION**

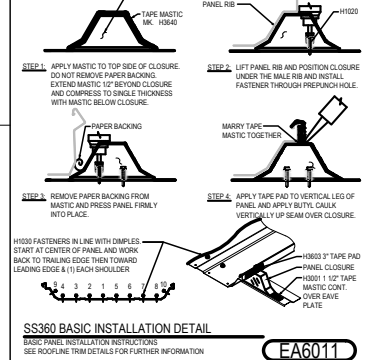
START / FINISH PANEL NOTE: OUTSIDE CLOSURE CANNOT BE INSTALLED IN THE START / FINISH PANEL UNTIL THE RAKE TRIM IS INSTALLED.

**MODULARITY NOTE:** OUTSIDE CLOSURE MUST BE INSTALLED AS ROOF PROGRESSES. AS NEXT PANEL IS INSTALLED, OUTSIDE CLOSURE MUST BE INSTALLED IN THE PREVIOUS PANEL RIB.



**INSIDE CLOSURE INSTALLATION**

IT IS CRITICAL TO ENSURE THAT THE TAPE MASTIC OVER THE CLOSURE DOES NOT LEAVE GAPS AT THE CORNERS AND THAT THE BUTYL CALK IN PANEL RIBS HITS THE TAPE MASTIC OVER THE CLOSURE.



**Detailer Notes:**

- 1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.
- 2) TURN ON THE CORRECT LAYER BASED ON THE SPECIFIC TRAPEZOIDAL PANEL PROFILE AND TURN OFF THE PANEL PROFILES NOT USED.

**EA6011 - SSII BASIC 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 SECTION 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 ROOF HIGH EAVE TO LOW EAVE.

INSTALL THE RAKE CLIPS AND RAKE ANGLE TO SUPPORT / SECURE THE START PANEL. (REFERENCE RAKE ANGLE / RAKE CLIP PREPARATION TO THE RIGHT)

**FIELD CUT AND INSTALL START PANEL**

THE START PANEL IS SUPPLIED AS A FULL SHEET AND WILL NEED TO BE CUT. REFER TO THE ROOF SHEETING PLAN FOR START FINISH DIMENSIONS AND RAKE DETAILS TO DETERMINE PROPER PANEL CUT. INSTALL THE START PANEL LOW EAVE PANEL FIRST IF PANEL RUN IS LONG ENOUGH TO REQUIRE ENDLAPS BY SECURING THE PANEL TO THE EAVE PLATE AND RAKE ANGLE. (REFERENCE LOW EAVE AND RAKE DETAILS). INSTALL PANEL CLIP ON LEADING EDGE OF PANEL AS SHOWN IN THE PANEL CLIP DETAIL. CONTINUE TO INSTALL UPSLOPE END OF START PANEL IF ENLAPS ARE REQUIRED. REFERENCE THE BACKUP PLATE DETAIL AND ENLAP DETAIL FOR ATTACHMENT OF START PANEL(S) AT RAKE ANGLE.

**INTERMEDIATE PANEL & HOOKUP PARTY**

THE INTERMEDIATE PANELS (FULL PANELS) SHOULD BE INSTALLED BY ROLLING THE PANEL INTO PLACE ENSURING THE SEAM IS FULLY ENGAGED. SECURE THE PANELS WITH PANEL CLIPS AND THE LOW EAVE ACROSS THE ROOF. IT IS RECOMMENDED TO INSTALL THE OUTSIDE CLOSURE AT THE HIGH EAVE / RIDGE AS THE ROOF PROGRESSES. THIS WILL HELP MAINTAIN MODULARITY. (REFERENCE HIGH EAVE / RIDGE DETAILS)

**FINISH PANEL**

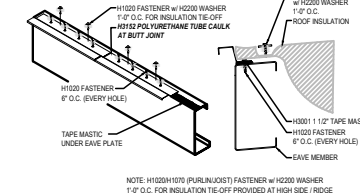
THE FINISH PANEL IS SIMILAR TO THE START PANEL INSTALLATION. THE RAKE ANGLE CLIPS AND RAKE ANGLE NEEDS TO BE INSTALLED ON TOP OF THE INSULATION PRIOR TO INSTALLING THE FINISH PANEL. THE FINISH PANEL SHOULD BE FIELD CUT AND ROLLED INTO PLACE AND SECURED TO THE RAKE ANGLE SIMILAR TO THE START PANEL.

**TRIM 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 FASTENING EVERY HOLE TO EAVE MEMBER (6" O.C.) PRIOR TO INSULATION BEING INSTALLED. SECURE INSULATION WITH FASTENERS & INSULATION RETAINER WASHERS. NOTE: IF NO ROOF INSULATION IS USED, SECURE EAVE PLATE IN EVERY HOLE (6" O.C.)

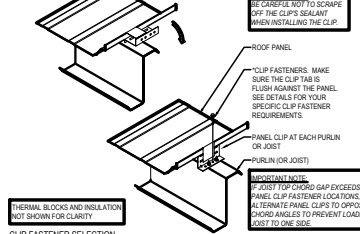


NOTE: H1020/H1019 (PURLIN/JOIST) FASTENER w/ H2020 WASHER 1\"/>

SP101	BASIC EAVE / OUTER	PP101	BASIC EAVE / OUTER	SP102	BASIC EAVE / OUTER
	TALL EAVE PLATE		SUPER TALL EAVE PLATE		

**PANEL CLIP INSTALLATION**

BEFORE INSTALLING THE PANEL CLIP, PEELOFF THE SUPPORT MEMBER BELOW THE INSULATION. ALIGN CLIP CENTERED OVER THE SUPPORT MEMBER AND ROLL CLIP OVER THE MALE HOOK OF THE PANEL. FASTEN CLIP WITH FASTENERS AS SPECIFIED IN THE DETAILS BASED ON THE SUPPORT MEMBER AND INSULATION UTILIZED FOR THE ROOF SYSTEM.



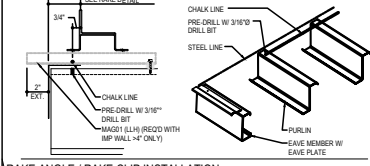
**CLIP FASTENER SELECTION**

FASTENER TYPE	STANDARD CLIPS	PERIMETER CLIPS
H1020 FOR INSULATION	SP101	PP101
H1020 FOR INSULATION	SP102	PP102
H1020 FOR INSULATION	SP103	PP103
H1020 FOR INSULATION	SP104	PP104
H1020 FOR INSULATION	SP105	PP105
H1020 FOR INSULATION	SP106	PP106
H1020 FOR INSULATION	SP107	PP107
H1020 FOR INSULATION	SP108	PP108
H1020 FOR INSULATION	SP109	PP109
H1020 FOR INSULATION	SP110	PP110
H1020 FOR INSULATION	SP111	PP111
H1020 FOR INSULATION	SP112	PP112
H1020 FOR INSULATION	SP113	PP113
H1020 FOR INSULATION	SP114	PP114
H1020 FOR INSULATION	SP115	PP115
H1020 FOR INSULATION	SP116	PP116
H1020 FOR INSULATION	SP117	PP117
H1020 FOR INSULATION	SP118	PP118
H1020 FOR INSULATION	SP119	PP119
H1020 FOR INSULATION	SP120	PP120

**RAKE ANGLE / RAKE CLIP PREPARATION**

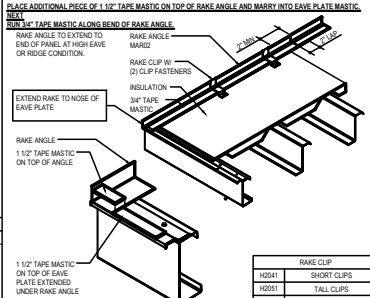
PRIOR TO INSTALLING THE ROOF INSULATION, THE SECONDARY MEMBER WILL NEED TO BE PRE-DRILLED FOR THE RAKE CLIPS. PRE-DRILLING WILL MAKE INSTALLATION OF THE RAKE AND CLIPS MUCH EASIER AFTER INSULATION IS IN PLACE. DO NOT INSTALL RAKE CLIPS UNTIL INSULATION (IF REQUIRED) IS INSTALLED. **RAKE CLIP IS INSTALLED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

SNAP A CHALK LINE AS SHOWN BELOW FROM HIGH EAVE / RIDGE TO LOW EAVE. DRILL 3/16\"/>



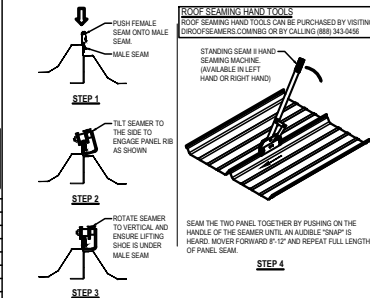
**RAKE ANGLE / RAKE CLIP INSTALLATION**

AFTER INSULATION IS IN PLACE AND PRIOR TO INSTALLING THE RAKE CLIPS AND RAKE ANGLE APPLY 1\"/>



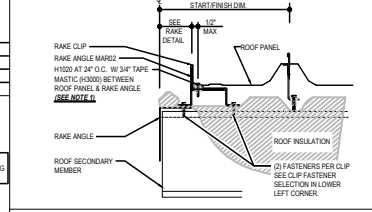
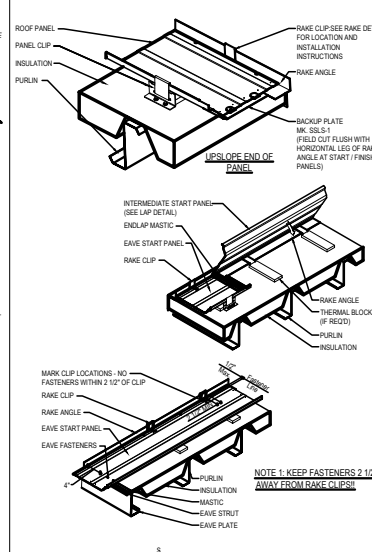
**PANEL INSTALLATION**

THE PANEL IS DESIGNED TO INTERLOCK AND HOOK TOGETHER AT THE SEAM IN ORDER TO HOOK THE PANEL LAY PANEL WITH FEMALE RIB OVER TOP OF THE MALE RIB. PUSH THE FEMALE SEAM ONTO THE MALE SEAM TO SNAP INTO PLACE. USE THE SENAR TO SNAP THE FULL LENGTH OF THE SEAM INTO PLACE AS SHOWN BELOW.



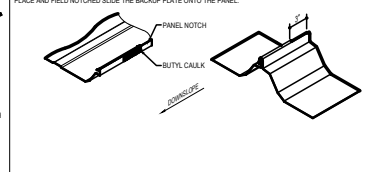
**BACKUP PLATE INSTALLATION**

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



**PANEL HIGH EAVE PREPARATION**

BEFORE INSTALLING ALLOWING PANELS APPLY TAPE MASTIC ON THE MALE RIB FROM THE PANEL NOTCH DOWN SLOPE AS SHOWN TO SEAL PANEL SEAM. THE FEMALE RIB WILL NEED TO BE FIELD NOTCHED TO MATCH THE MALE RIB TO ALLOW THE OUTSIDE CLOSURE TO FIT. PREPARE IT IS RECOMMENDED FOR THE NOTCH TO BE DONE BEFORE THE PANEL IS ROLLED INTO PLACE FOR EAVE BUT CAN BE DONE AFTER. AFTER THE PANEL IS ROLLED INTO PLACE AND FIELD NOTCHED SLIDE THE BACKUP PLATE ONTO THE PANEL.



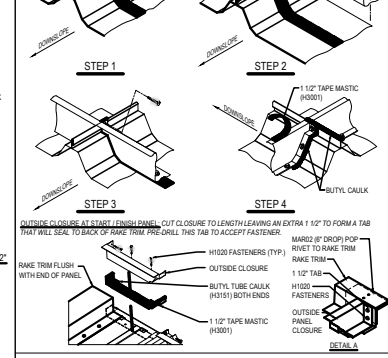
**OUTSIDE CLOSURE MASTIC INSTALLATION**

START & FINISH PANEL NOTE: OUTSIDE CLOSURE CANNOT BE INSTALLED IN THE START / FINISH PANEL UNTIL THE RAKE TRIM IS INSTALLED. **MODULARITY NOTE: OUTSIDE CLOSURE MUST BE INSTALLED AS ROOF PROGRESSES. AS NEXT PANEL IS INSTALLED, CLOSURE MUST BE INSTALLED IN THE PREVIOUS PANEL RIM.**

STEP 1: APPLY THE PRECUT MASTIC ACROSS THE PANEL FROM THE BOTTOM OF THE MASTIC. LINE UP WITH THE NOTCH. PRESS THE MASTIC INTO THE CORNERS OF THE TRAPEZOID TO ENSURE THERE ARE NO GAPS. CUT A 3\"/>

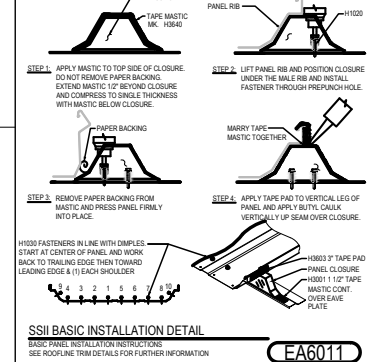
STEP 2: ALIGN THE OUTSIDE CLOSURE WITH THE NOTCH AND SEAT INTO THE PRECUT MASTIC. ATTACH THE OUTSIDE CLOSURE THROUGH THE PREPUNCHED HOLES THROUGH THE PANEL AND INTO THE BACKUP PLATE.

STEP 3: PRIOR TO INSTALLING TRIM APPLY BUTYL CALK DOWN PROFILE OF TRAPEZOID AND 1\"/>



**INSIDE CLOSURE INSTALLATION**

IT IS CRITICAL TO ENSURE THAT THE TAPE MASTIC OVER THE CLOSURE DOES NOT LEAVE GAPS AT THE CORNERS AND THAT THE BUTYL CALK IN PANEL RIB JOINS THE TAPE MASTIC OVER THE CLOSURE.



**Detailer Notes:**

- 1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.
- 2) TURN ON THE CORRECT LAYER BASED ON THE SPECIFIC TRAPEZOIDAL PANEL PROFILE AND TURN OFF THE PANEL PROFILES NOT USED.

**EA6012 - SS360 MODULARITY GUIDANCE**

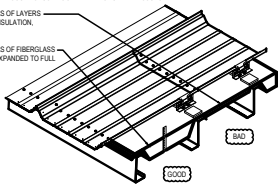
Download the DWG file by clicking here.

SPECIAL ATTENTION MUST BE GIVEN TO INSULATION SAG AND RECOMMEND PRE-DRILLING TO LOCATE CLIPS. MODULARITY TOOLS ARE AVAILABLE TO AID IN MODULARITY.

ENSURE THE INSULATION IS PERMITTED TO SAG AT MID-SPAN BETWEEN ROOF SECONDARY MEMBERS AND EXPANDED TO THE FULL THICKNESS WHILE STILL KEEPING CONTACT WITH BOTTOM OF PANEL.

DO NOT PULL THE INSULATION TAUT AS THIS WILL SIGNIFICANTLY REDUCE THE THERMAL PERFORMANCE OF THE ROOF SYSTEM AND COULD CAUSE ROOF PANEL MODULARITY ISSUES.

SINGLE OR MULTI LAYERS OF FIBERGLASS BLANKET INSULATION, PULLED TOO TIGHT  
SINGLE OR MULTI LAYERS OF FIBERGLASS BLANKET INSULATION, EXPANDED TO FULL THICKNESS



PRE-DRILL ONE PILOT HOLE FOR ROOF PANEL CLIPS AT MID-SPANS, HIGH SIDE OR RIDGE AND PANEL END LAPS, IF ANY.

INSTALL NEXT VOID CLOSURE AT BUILDING EAVE.

ROOF PANEL CLIP

RAKE ANGLE

START PANEL

VOID CLOSURE

MEASURE OVER 2" FROM CENTER OF INSTALLED VOID CLOSURE AND MARK ON EAVE PLATE. FINE MASTIC. INSTALL NEXT VOID CLOSURE AS SHOWN.

USE MODULARITY CLAMP(S) TO HOLD PANEL TRAPEZOID AT 4 3/4" WIDE ALONG FULL LENGTH OF PANEL SEAM. SEE SECTION A.

USE MODULARITY TOOLS TO HOLD PANEL CLIPS IN PLACE. PRIOR TO FASTENING, TO MAINTAIN A CONSTANT 24" WIDE PANEL COVERAGE.

DO NOT ADJUST THE PANEL WIDTH BY MORE THAN ± 1/8" ON ANY PANEL.

SS360 MODULARITY CLAMP

SECTION A

24" COVERAGE

STRETCHING PANEL COVERAGE

SHRINKING PANEL COVERAGE

ADJUSTING PANEL MODULARITY

INSULATION NOT SHOWN FOR CLARITY

PURLINS SHOWN, JUST SIMILAR

MEASURE OVER 2" FROM INSTALLED CLIP FASTENERS. PRE-DRILL (1) 3/8" Ø PILOT HOLE TO SECURE TO LOCATE NEAR EDGE OF PURLIN FLANGE. THIS WILL ENSURE THAT UP TO (3) FASTENERS CAN BE INSTALLED IN CLIP BASE (IF REQ'D BY DESIGN. SEE ERECTION DRAWINGS FOR FASTENER REQUIREMENTS).

FASTENER SPACING USE SQUARE TO ALIGN CENTER OF PANEL AND FASTEN FROM CENTER OUT

VOID CLOSURE

VOID CLOSURE

VOID CLOSURE

VOID CLOSURE

VOID CLOSURE

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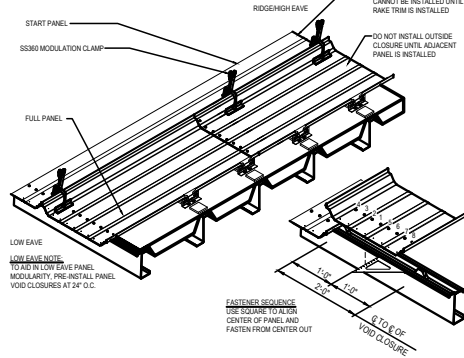
VOID CLOSURE

**PANEL MODULARITY SEQUENCE**

THE PROCEDURES AND SEQUENCE SHOWN ARE RECOMMENDED TO AID IN MAINTAINING PANEL MODULARITY. THE TOOLS SHOWN ARE NOT REQUIRED BUT RECOMMENDED TO AID INSTALLATION.

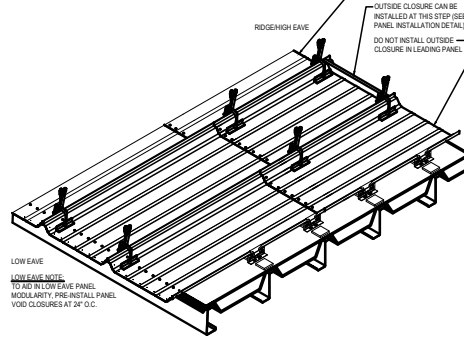
**STAGE #1**

1. AFTER INSTALLING START PANEL, PRE-DRILL CLIP HOLES 2" Ø C.C. AND MARK EAVE PLATE 1" Ø C.C. TO LOCATE CENTER OF VOID CLOSURES AND CENTER OF PANEL FLAT.
2. ROLL FIRST FULL PANEL IN PLACE AND ALIGN CENTER OF PANEL FLAT TO SQUARE AS SHOWN BELOW.
3. APPLY THE LOW EAVE CLAMP AS SHOWN TO DRAW PANEL TIGHT TO CLOSURE.
4. INSTALL THE EAVE FASTENERS STARTING AT CENTER OF PANEL AND WORK BACK TO TRAILING RIB. THEN FROM CENTER OF PANEL TOWARD LEADING RIB.
5. AS PANEL INSTALLATION PROGRESSES, INSTALL MORE CLAMPS UPLOUSE AS SHOWN.
6. ADD, ADJUST OR LEAVE CLAMPS OFF TO MAINTAIN PANEL MODULARITY AS NECESSARY.
7. LEAVE CLAMPS ON FIRST FULL SEAM.



**STAGE #2**

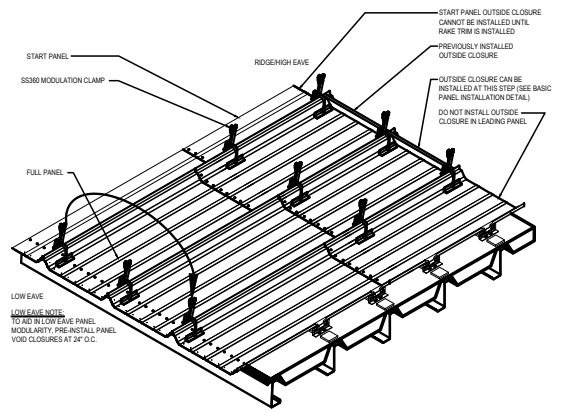
1. INSTALL THE NEXT LOW EAVE PANEL AND ADD CLAMP.
2. REPEAT STEPS 2 THROUGH 8 FROM STAGE #1 NOTES.
3. LEAVE CLAMPS ON FIRST AND SECOND FULL SEAM.
4. INSTALL THE OUTSIDE CLOSURE IN THE FIRST FULL PANEL.
- 4.1. DO NOT INSTALL OUTSIDE CLOSURE IN THE LEADING PANEL.



**ROOF SEAMING HAND TOOLS**  
ROOF SEAMING HAND TOOLS CAN BE PURCHASED BY VISITING [WWW.SEAMERS.COM/NO](http://WWW.SEAMERS.COM/NO) OR BY CALLING (888) 343-6456

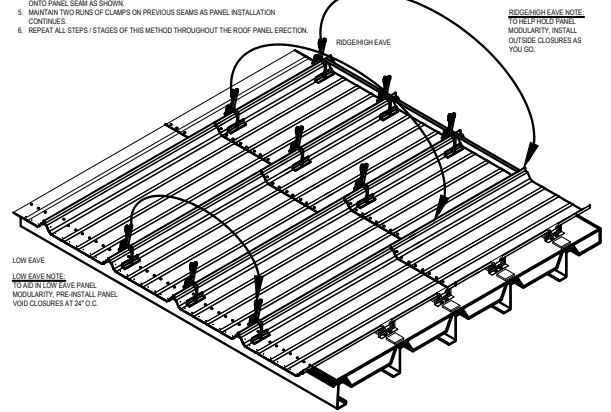
**STAGE #3**

1. KEEP CLAMPS IN PLACE ON THE FIRST TWO SEAMS WITH THE EXCEPTION OF THE LOW EAVE CLAMP.
2. INSTALL THE NEXT LOW EAVE PANEL AND LEAP FROG CLAMP AS SHOWN.
3. REPEAT STEPS 2 THROUGH 5 FROM STAGE #1 NOTES.



**STAGE #4**

1. KEEP CLAMPS IN PLACE ON THE FIRST TWO SEAMS WITH THE EXCEPTION OF THE LOW EAVE CLAMP.
2. INSTALL THE NEXT LOW EAVE PANEL AND LEAP FROG THE CLAMP AS SHOWN.
3. INSTALL EAVE PLATE FASTENERS.
4. AS PANEL INSTALLATION PROGRESSES, LEAP FROG CLAMPS FROM THREE SEAMS BACK ONTO PANEL SEAM AS SHOWN.
5. MAINTAIN TWO RINGS OF CLAMPS ON PREVIOUS SEAMS AS PANEL INSTALLATION CONTINUES.
6. REPEAT ALL STEPS / STAGES OF THIS METHOD THROUGHOUT THE ROOF PANEL ERECTION.

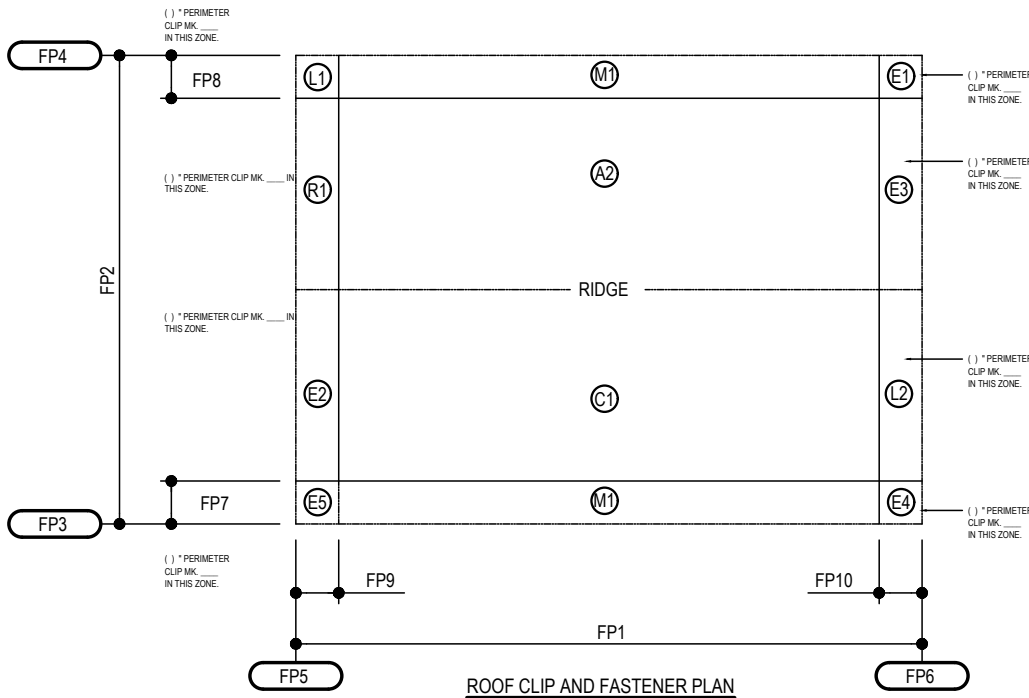


**Detailer Notes:**

1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.

EA6016 - SS360 ROOF CLIP PLAN

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

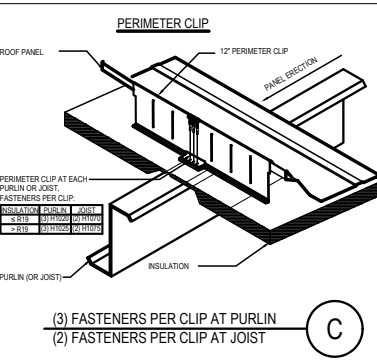
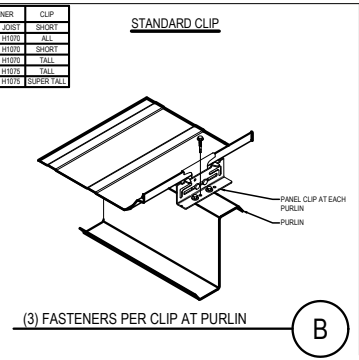
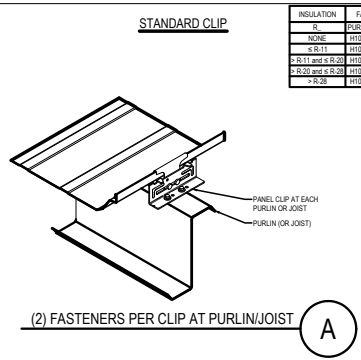


STANDARD CLIPS	
PART #	PART DESCRIPTION
SSPC-1	SHORT CLIP
SSPC-1R	SHORT CLIP - REINFORCED
SSPC-1T	TALL CLIP
SSPC-1TR	TALL CLIP - REINFORCED
SSPC-1T	SUPER TALL CLIP

PERIMETER CLIPS	
PART #	PART DESCRIPTION
SSPC-1P	12" SHORT CLIP
SSPC-1TP	12" TALL CLIP

**ROOF CLIP AND FASTENER PLAN**



CRITICAL SEAMER ORDERING INFORMATION	
ROOF TYPE	RT
PANEL GAUGE	PG GA.
SQUARE FOOTAGE (ENTIRE ROOF)	SF SQ. FT.
ROOF PITCH	RP -12
SEAM HEIGHT	3"
ENDLAPS	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
GALVALUME OR PAINTED ROOF	<input checked="" type="checkbox"/> GALVALUME <input type="checkbox"/> PAINTED
PERIMETER CLIPS REQUIRED	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

PLEASE NOTE THAT ALL SEAMER ORDERS WILL TAKE APPROXIMATELY 5-7 WORKING DAYS FOR DELIVERY TO JOB SITE FROM DATE OF ORDER.

DIROOFSEAMERS.COM  
PHONE (888) 343-0456

**EA6016**

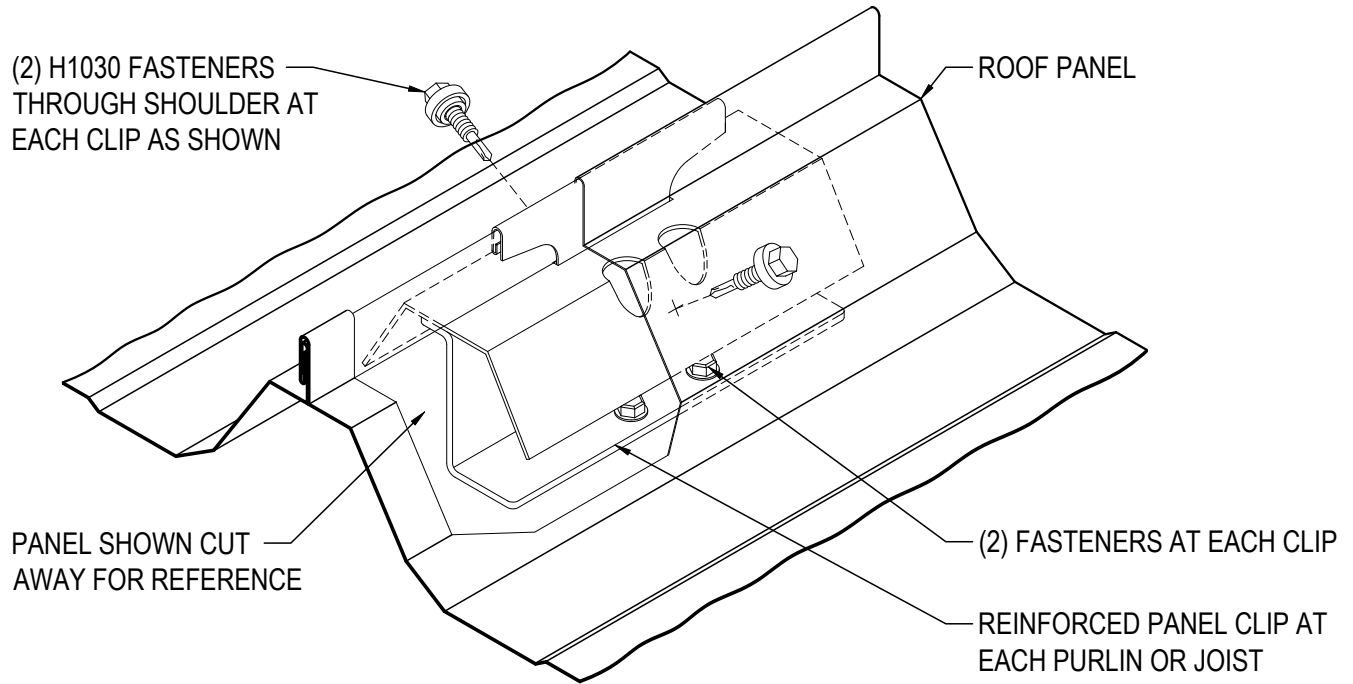
**Detailer Notes:**

- 1) THIS DETAIL IS REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.
- 2) DETAILER NOTE: ATTRIBUTES WITH "SP" TAG DO NOT NEED TO BE FILLED OUT.



EA6018 - SS360 REINFORCED PANEL CLIP

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



**CLIP FASTENER SELECTION**

PURLIN APPLICATION

H1020 FOR INSULATION ≤R-19 (6 3/8")

H1025 FOR INSULATION >R-19 (6 3/8")  
AND ≤R-25 (8")

JOIST APPLICATION

H1070 FOR INSULATION ≤R-19 (6 3/8")

H1075 FOR INSULATION >R-19 (6 3/8")  
AND ≤R-25 (8")

**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.

OTHER FASTENERS AND INSULATION NOT SHOWN FOR CLARITY

REINFORCED CLIPS	
PART #	PART DESCRIPTION
S3PC-1R	SHORT CLIP - REINFORCED
S3PC-2TR	TALL CLIP - REINFORCED

**SS360 REINFORCED PANEL CLIP**

FACTORY MUTUAL APPROVED

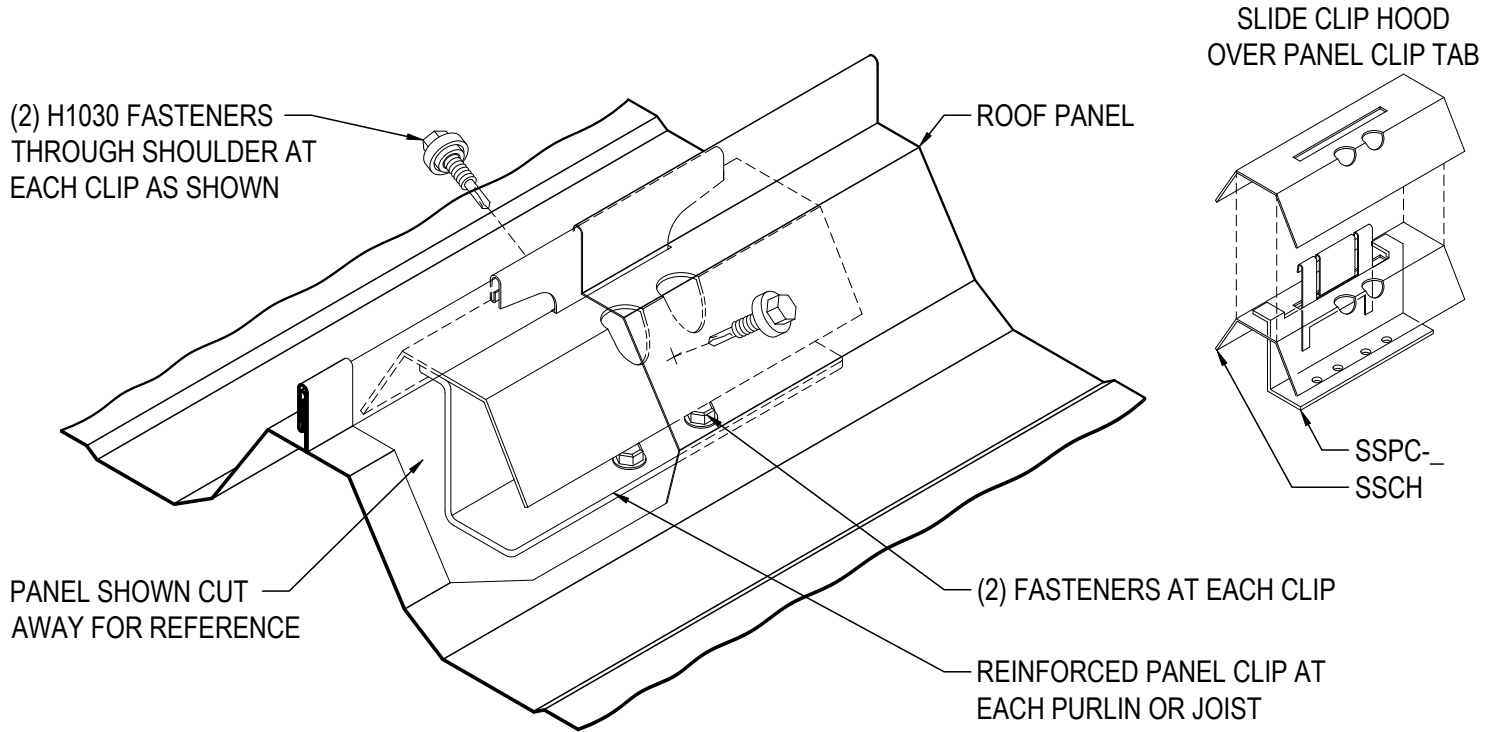
**EA6018**

Detailer Notes:

1) THIS DETAIL REQUIRED ONLY ON FM RATED PROJECTS WITH 24GA PANEL. IF 22GA PANEL IS USED THE REINFORCED CLIP IS NOT REQUIRED. REFERENCE THE PRAC MANUAL.

EA6019 - SSII REINFORCED PANEL CLIP

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



**CLIP FASTENER SELECTION**

PURLIN APPLICATION

H1020 FOR INSULATION ≤R-19 (6 3/8")

H1025 FOR INSULATION >R-19 (6 3/8")  
AND ≤R-25 (8")

JOIST APPLICATION

H1070 FOR INSULATION ≤R-19 (6 3/8")

H1075 FOR INSULATION >R-19 (6 3/8")  
AND ≤R-25 (8")

**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.

OTHER FASTENERS AND INSULATION NOT SHOWN FOR CLARITY

STANDARD CLIPS	
PART #	PART DESCRIPTION
SSPC-1	SHORT CLIP
SSPC-2T	TALL CLIP

**SSII REINFORCED PANEL CLIP**

REINFORCED CLIP REQUIRED AS SHOWN ON PLAN

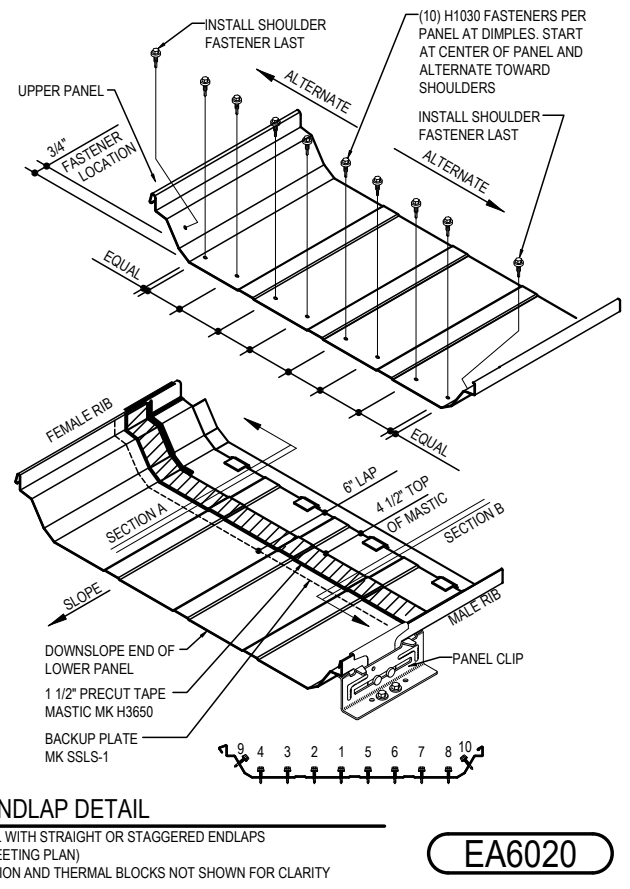
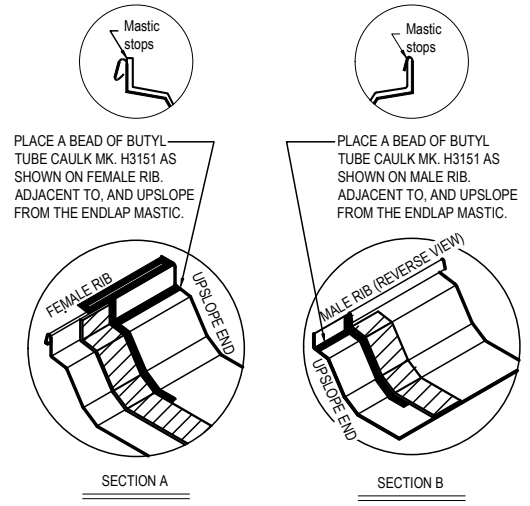
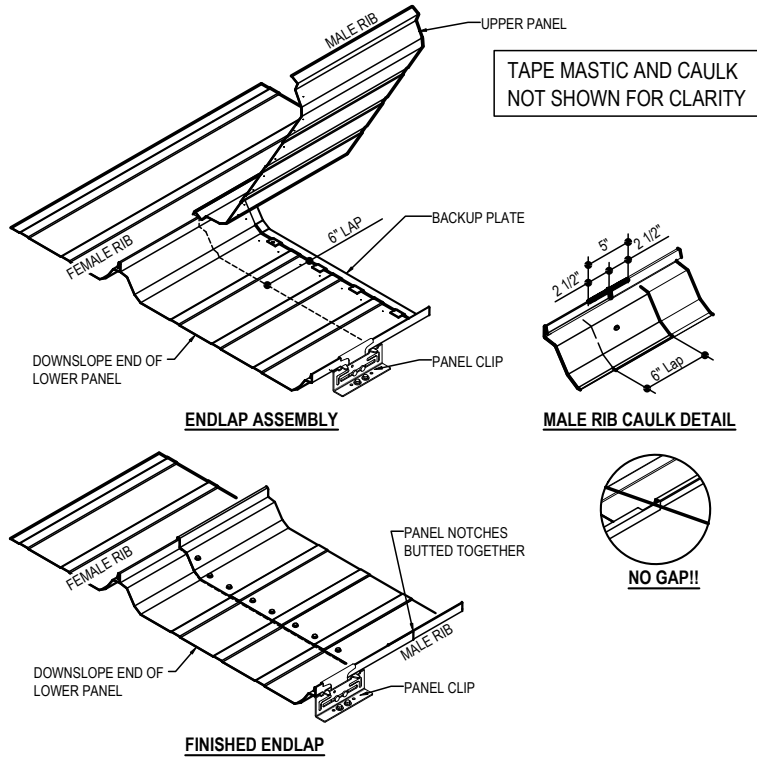
**EA6019**

Detailer Notes:

- 1) THIS DETAIL REQUIRED ONLY PER DESIGN.

EA6020 - SS360 PANEL ENDLAP

Download the DWG file by clicking here.



**ERECTION NOTES:**  
PROPER PLACEMENT OF ENDLAP MASTIC IS CRITICAL TO WEATHER-TIGHTNESS OF ROOF AND ENDLAPS. WIPE DRY AND CLEAN THE PANEL SURFACES.

MARK LOWER PANEL AT 4 1/2" FOR TOP OF MASTIC AND 6" FOR LAP LOCATION. (**DO NOT USE PENCIL**) SLIDE BACKUP PLATE ONTO LOWER PANEL.

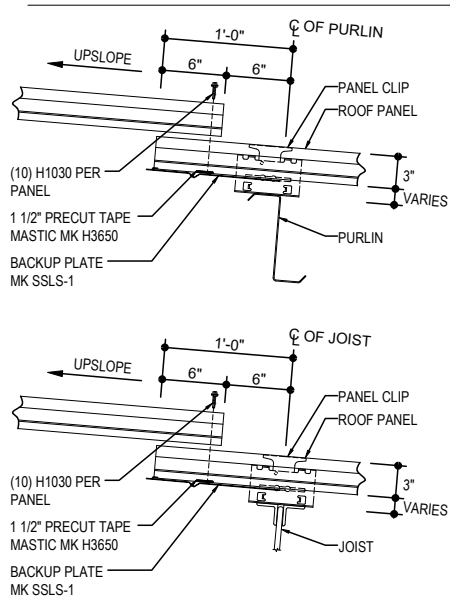
APPLY PRECUT TAPE MASTIC, START AT CORNER OF MALE RIB AND FINISH AT TOP OF FEMALE RIB. LEAVE PAPER BACKING ON MASTIC UNTIL UPPER PANEL HAS BEEN PLACED. MASTIC WILL NOT COVER DIMPLES OF LOWER PANEL.

APPLY BUTYL CAULK UPSLOPE OF TAPE MASTIC IN RIB LOCATIONS AS SHOWN. (BOTH MALE AND FEMALE RIBS)

AFTER ALL SEALANTS ARE IN PLACE, HOOK THE UPPER PANEL ONTO PREVIOUS PANEL, ALIGNING PANEL ALONG THE 6" LAP MARK ON LOWER PANEL. BOW THE PAN OF THE UPPER PANEL UP AND TUCK THE MALE RIB UNDER THE HOOK OF THE LOWER PANEL. **NOTE: THE NOTCHES MUST BUTT TIGHT TO AVOID A POTENTIAL LEAK. NO GAPI!** PEEL PAPER BACKING OFF MASTIC AND FASTEN ENDLAP AS SHOWN. FASTENERS MUST PASS THROUGH MASTIC.

**PRIOR TO INSTALLING NEXT LOWER PANEL, CAULK THE MALE LEG ENDLAP NOTCH AREA WITH BUTYL CAULK AS SHOWN ABOVE.**

REPEAT PROCESS SUBSEQUENT ENDLAPS.



**PANEL ENDLAP DETAIL**  
ENDLAP DETAIL WITH STRAIGHT OR STAGGERED ENDLAPS (SEE ROOF SHEETING PLAN)  
NOTE: INSULATION AND THERMAL BLOCKS NOT SHOWN FOR CLARITY

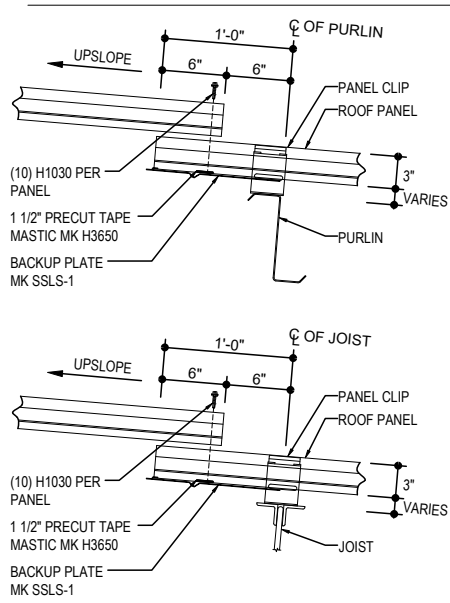
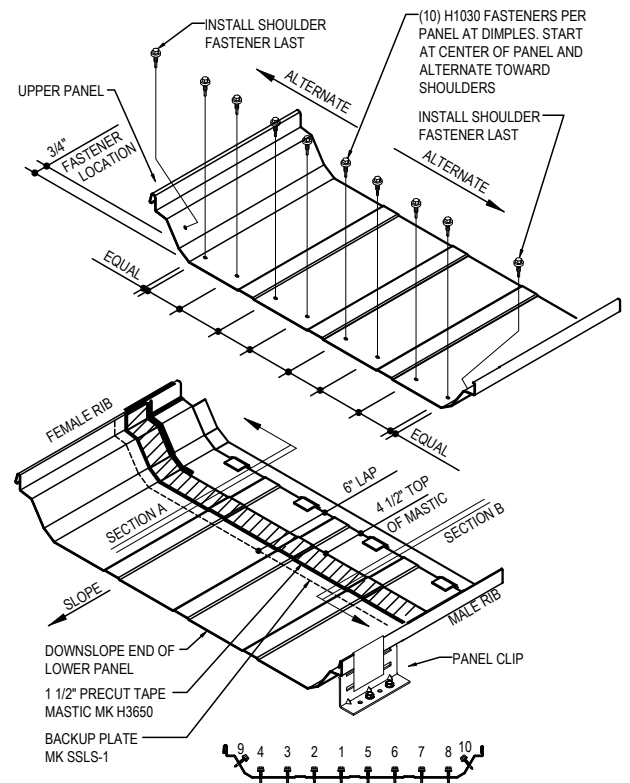
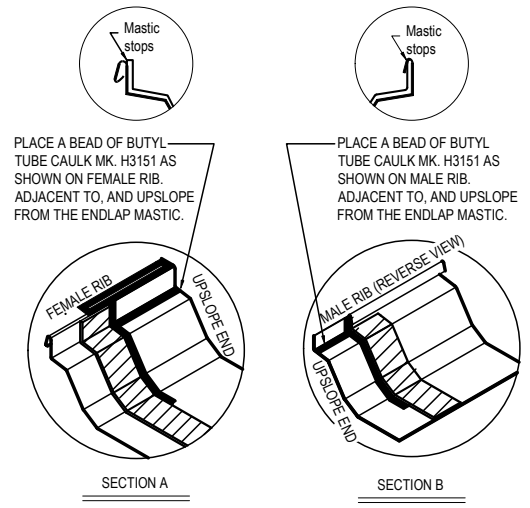
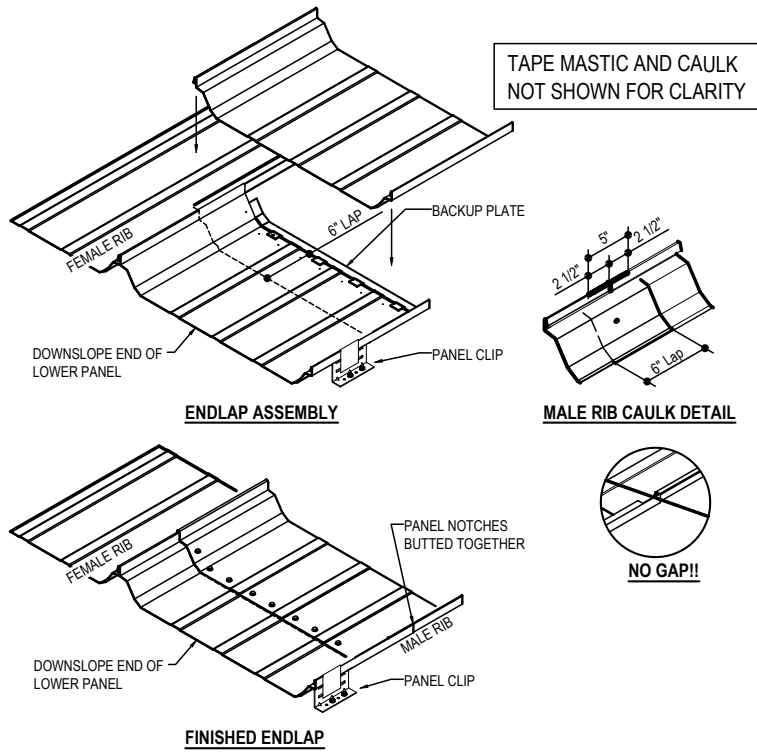
**EA6020**

**Detailer Notes:**

- 1) THIS DETAIL IS REQUIRED ON EVERY PROJECT WITH TRAPEZOIDAL ROOF PANEL WITH ENDLAPS.
- 2) TURN ON THE CORRECT LAYER BASED ON THE SPECIFIC TRAPEZOIDAL PANEL PROFILE AND TURN OFF THE PANEL PROFILES NOT USED.
- 3) THIS STANDARD DETAIL IS APPROVED FOR MIAMI-DADE USE. ALTERATIONS TO THIS DETAIL MAY IMPACT APPROVAL.

EA6020 - SSII PANEL ENDLAP

Download the DWG file by clicking here.



**ERECTION NOTES:**  
PROPER PLACEMENT OF ENDLAP MASTIC IS CRITICAL TO WEATHER-TIGHTNESS OF ROOF AND ENDLAPS. WIPE DRY AND CLEAN THE PANEL SURFACES.

MARK LOWER PANEL AT 4 1/2" FOR TOP OF MASTIC AND 6" FOR LAP LOCATION. (DO NOT USE PENCIL) SLIDE BACKUP PLATE ONTO LOWER PANEL.

APPLY PRECUT TAPE MASTIC, START AT CORNER OF MALE RIB AND FINISH AT TOP OF FEMALE RIB. LEAVE PAPER BACKING ON MASTIC UNTIL UPPER PANEL HAS BEEN PLACED. MASTIC WILL NOT COVER DIMPLES OF LOWER PANEL.

APPLY BUTYL CAULK UPSLOPE OF TAPE MASTIC IN RIB LOCATIONS AS SHOWN. (BOTH MALE AND FEMALE RIBS)

AFTER ALL SEALANTS ARE IN PLACE, HOOK THE UPPER PANEL ONTO PREVIOUS PANEL, ALIGNING PANEL ALONG THE 6" LAP MARK ON LOWER PANEL. BOW THE PAN OF THE UPPER PANEL UP AND TUCK THE MALE RIB UNDER THE HOOK OF THE LOWER PANEL. **NOTE: THE NOTCHES MUST BUTT TIGHT TO AVOID A POTENTIAL LEAK. NO GAPI!** PEEL PAPER BACKING OFF MASTIC AND FASTEN ENDLAP AS SHOWN. FASTENERS MUST PASS THROUGH MASTIC.

**PRIOR TO INSTALLING NEXT LOWER PANEL, CAULK THE MALE LEG ENDLAP NOTCH AREA WITH BUTYL CAULK AS SHOWN ABOVE.**

REPEAT PROCESS SUBSEQUENT ENDLAPS.

**PANEL ENDLAP DETAIL**  
ENDLAP DETAIL WITH STRAIGHT OR STAGGERED ENDLAPS (SEE ROOF SHEETING PLAN)  
NOTE: INSULATION AND THERMAL BLOCKS NOT SHOWN FOR CLARITY

**EA6020**

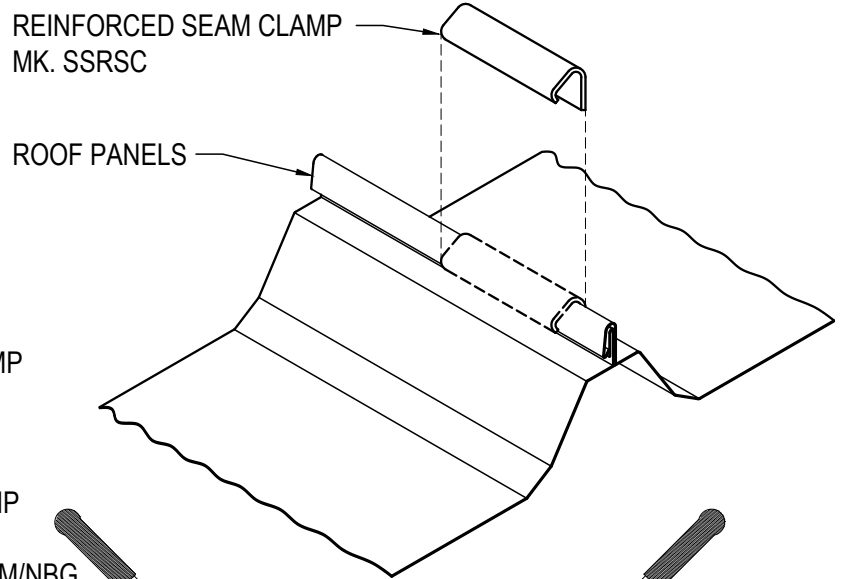
**Detailer Notes:**

- 1) THIS DETAIL IS REQUIRED ON EVERY PROJECT WITH TRAPEZOIDAL ROOF PANEL WITH ENDLAPS.
- 2) TURN ON THE CORRECT LAYER BASED ON THE SPECIFIC TRAPEZOIDAL PANEL PROFILE AND TURN OFF THE PANEL PROFILES NOT USED.

EA6029 - SSII REINFORCED SEAM CLAMP

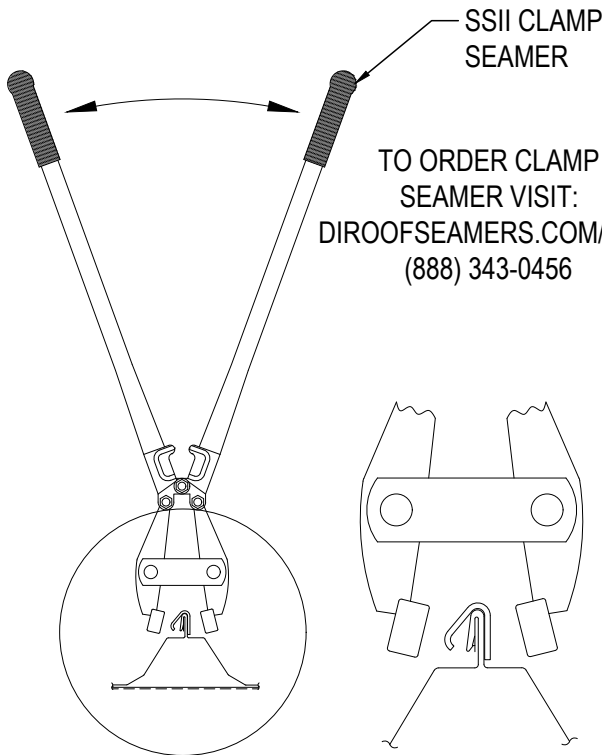
[Download the DWG file by clicking here.](#)

AFTER PANELS HAVE BEEN COMPLETELY INSTALLED AND SNAPPED TOGETHER, INSTALL REINFORCING CLAMP AT DESIGNATED LOCATIONS. USE THE CLAMP SEAMER AS SHOWN TO CRIMP THE CLAMP ONTO THE PANEL SEAM.

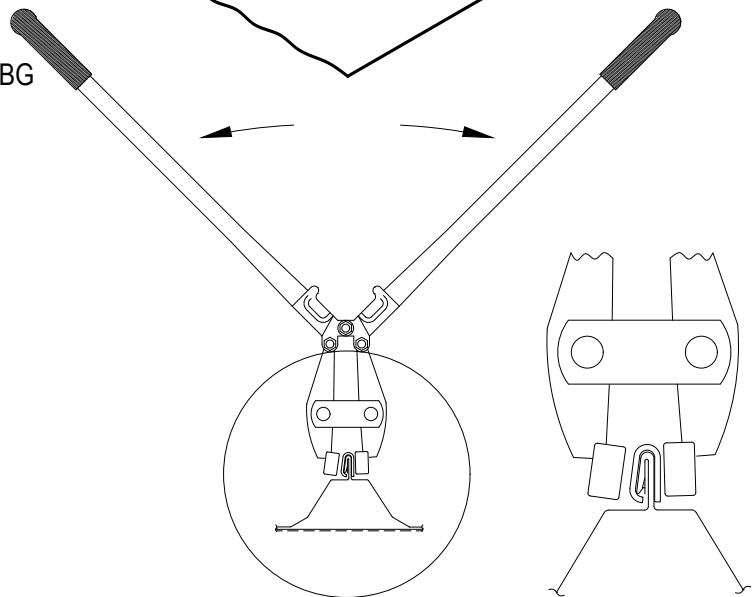


SSII CLAMP SEAMER

TO ORDER CLAMP SEAMER VISIT:  
DIROOFSEAMERS.COM/NBG  
(888) 343-0456



**STEP 1**  
POSITION SEAMER OVER CLAMP



**STEP 2**  
OPEN HANDLES TO CRIMP CLAMP TO SEAM

## SSII REINFORCED SEAM CLAMP

REINFORCED SEAM CLAMP REQUIRED AS SHOWN ON PLAN

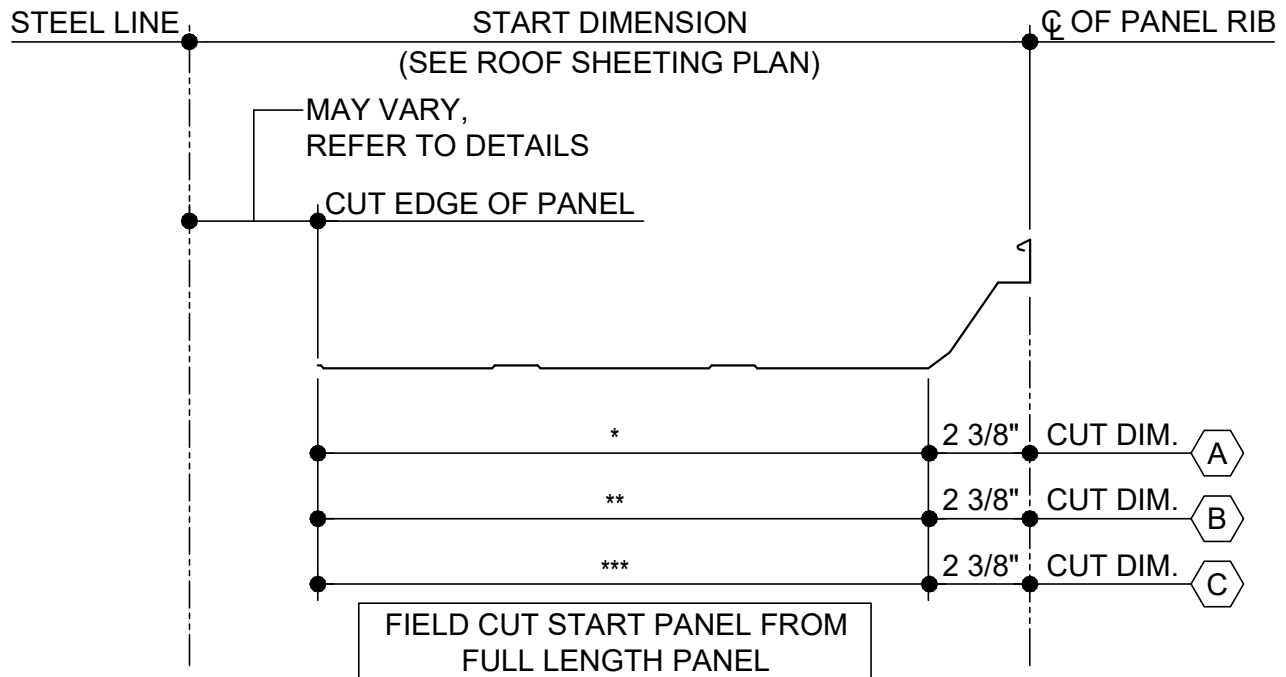
**EA6029**

Detailer Notes:

- 1) THIS DETAIL REQUIRED ONLY PER DESIGN.

EA6035 - SS360 START PANEL CUT DIMENSION DETAIL

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



## START PANEL CUT 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.

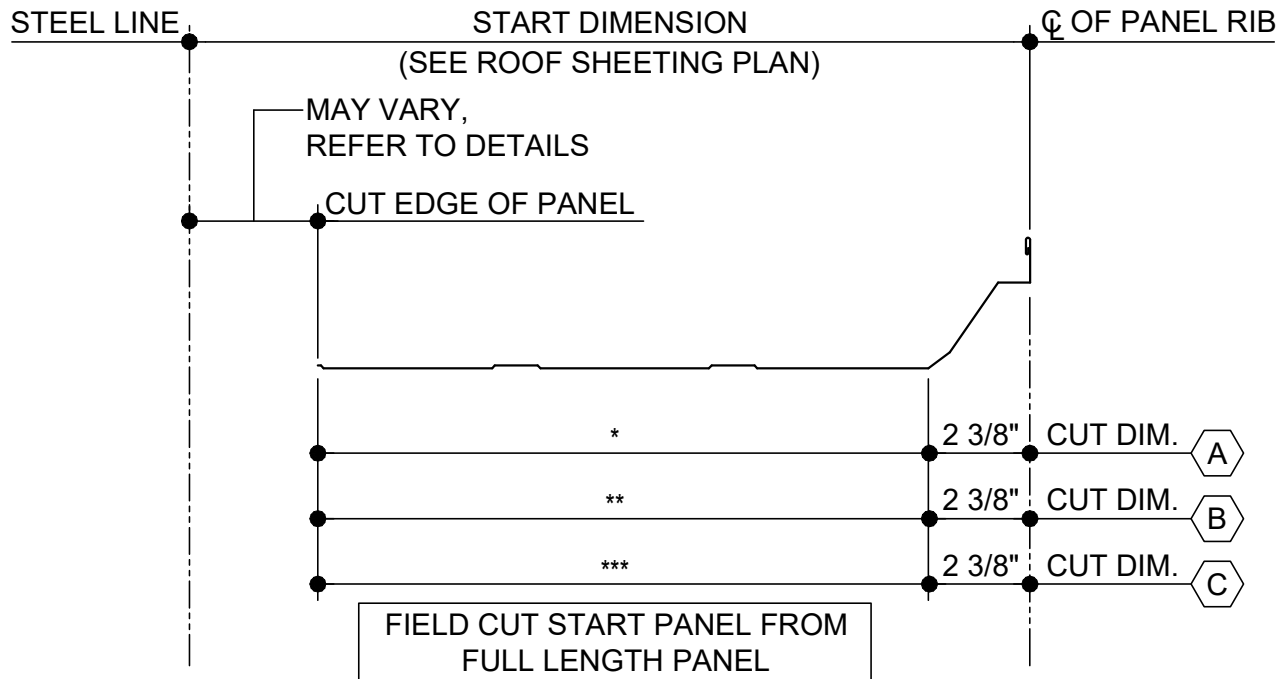
**EA6035**

Detailer Notes:

- 1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT
- 2) THIS DETAIL SHOULD BE PLACED ON THE ROOF SHEETING PLAN

EA6035 - SSII START PANEL CUT DIMENSION DETAIL

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



## START PANEL CUT 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:

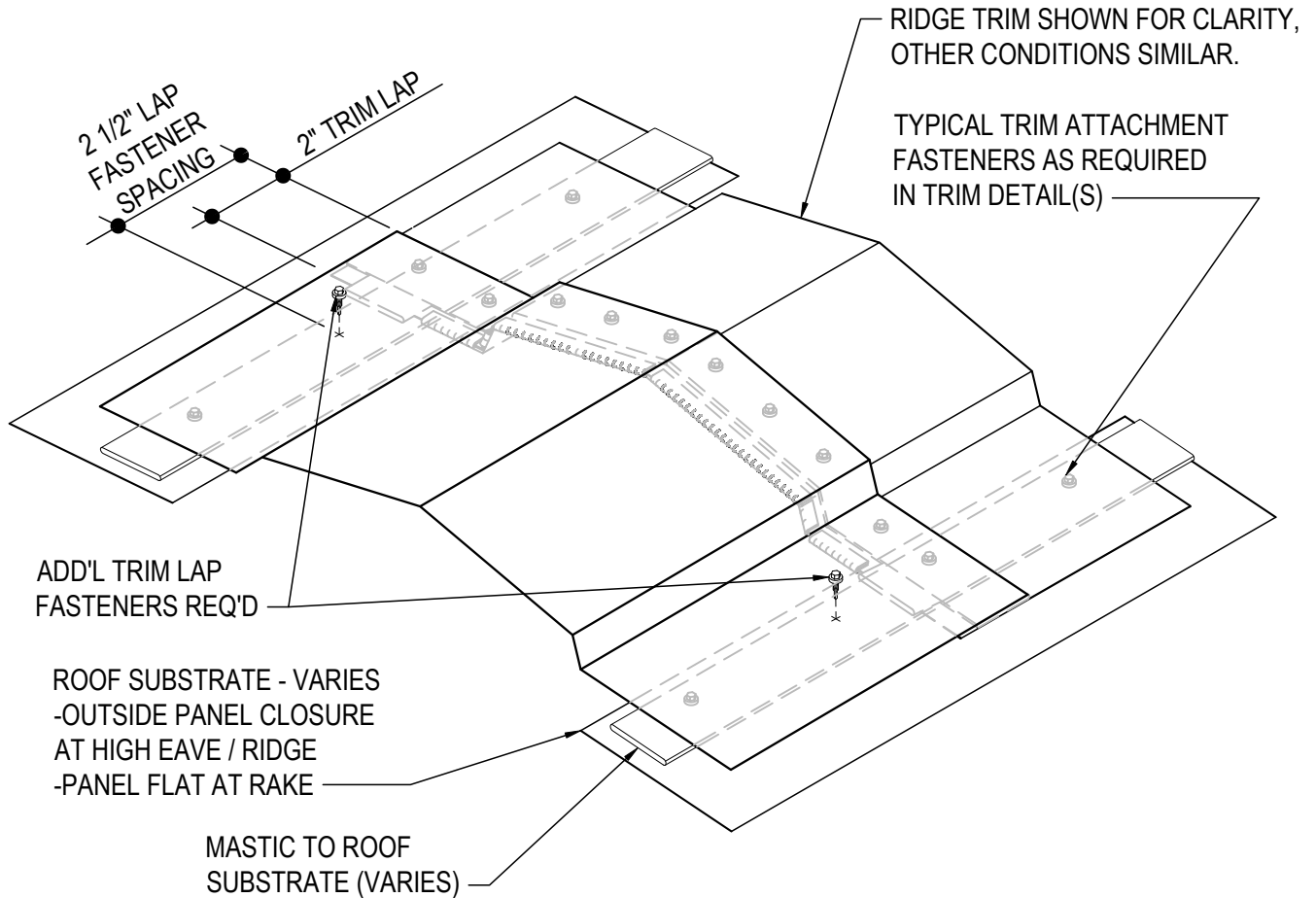
- 1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT
- 2) THIS DETAIL SHOULD BE PLACED ON THE ROOF SHEETING PLAN

EA6076 - 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.

**EA6076**

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, EA3076, EA8076 AND FA2076. DUPLICATE DETAILS ARE TO ENSURE THAT THEY ARE PLACED IN ORDER IN ERECTION DRAWINGS.



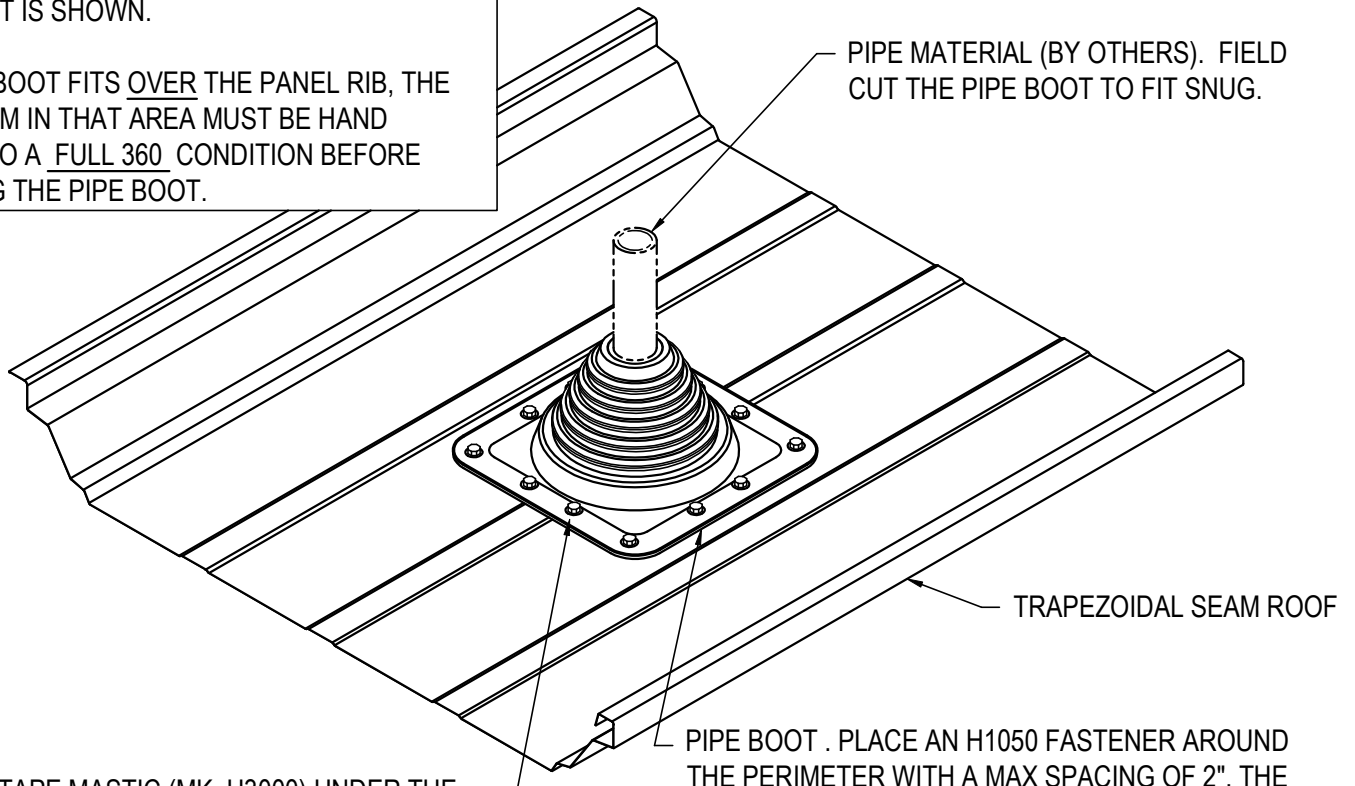
EA6200 - PIPE BOOT

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

NOTES:

1.) IF PIPE BOOT FITS BETWEEN THE MAJOR RIBS, IT IS RECOMMENDED TO ROTATE THE PIPE BOOT 45° FROM WHAT IS SHOWN.

2.) IF PIPE BOOT FITS OVER THE PANEL RIB, THE PANEL SEAM IN THAT AREA MUST BE HAND CRIMPED TO A FULL 360 CONDITION BEFORE INSTALLING THE PIPE BOOT.



PLACE 3/4" TAPE MASTIC (MK. H3000) UNDER THE FULL PERIMETER OF THE PIPE BOOT. CAULK AROUND THE PERIMETER WITH TUBE CAULK (MK. H3152) TO CREATE A WEATHERTIGHT SEAL.

PIPE BOOT . PLACE AN H1050 FASTENER AROUND THE PERIMETER WITH A MAX SPACING OF 2". THE FASTENERS MUST PENETRATE THE TAPE MASTIC TO CREATE AN EFFECTIVE SEAL. (PIPE BOOT BASE MAY BE SQUARE AS SHOWN OR ROUND).

## 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

**EA6200**

Detailer Notes:

- 1) N/A