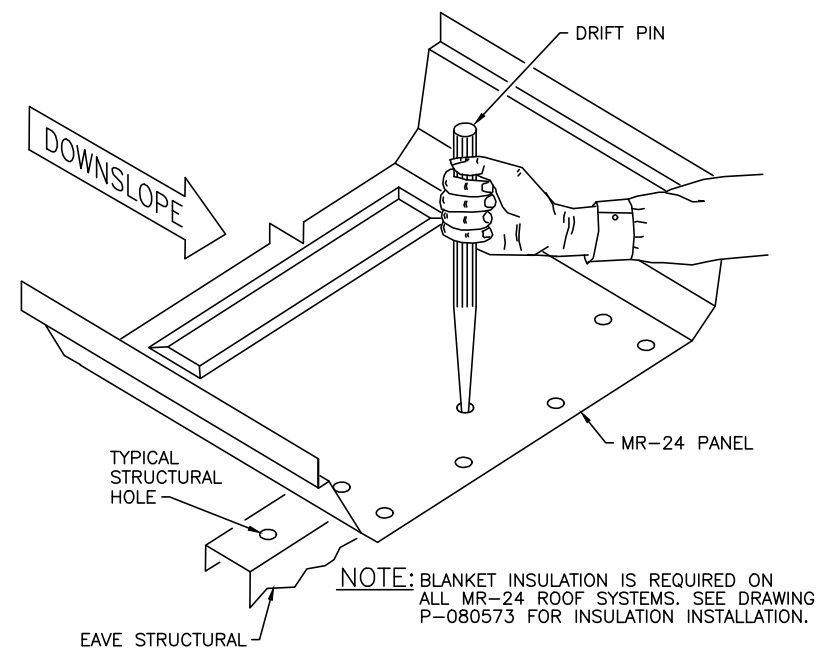


REVISION NUMBER 1				REVISION NUMBER 2				REVISION NUMBER 3				REVISION NUMBER 4				REVISION NUMBER 5			
REVISED TO SHOW NEW STARTING PLATFORM FOR ENGAGING ROOF RUNNER.				REVISED TO ADD IMPORTANT NOTE TO QUICK RELEASE PINS ARE IN PLACE BEFORE ATTEMPTING TO PLACE ROOF RUNNER ON STARTING PLATFORM.				REVISED TO ADD SEALANT APPLICATION TO HIGH SIDE SINGLE SLOPE BUILDINGS.				ADD PRODUCT APPROVAL NOTE				ADD FLORIDA APPROVAL LOGO			
DATE	01/10/14	DWBY	CHKD	DATE	09/20/16	DWBY	CHKD	DATE	10/23/18	DWBY	CHKD	DATE	05/23/19	DWBY	CHKD	DATE	09/02/20	DWBY	CHKD
RHE	RKP	RHE	RMC	RHE	RMC	RHE	RMC	RHE	ARB	RHE	ARB	RHE	BSN	RLB	BSN	RHE	BSN	RLB	RLB

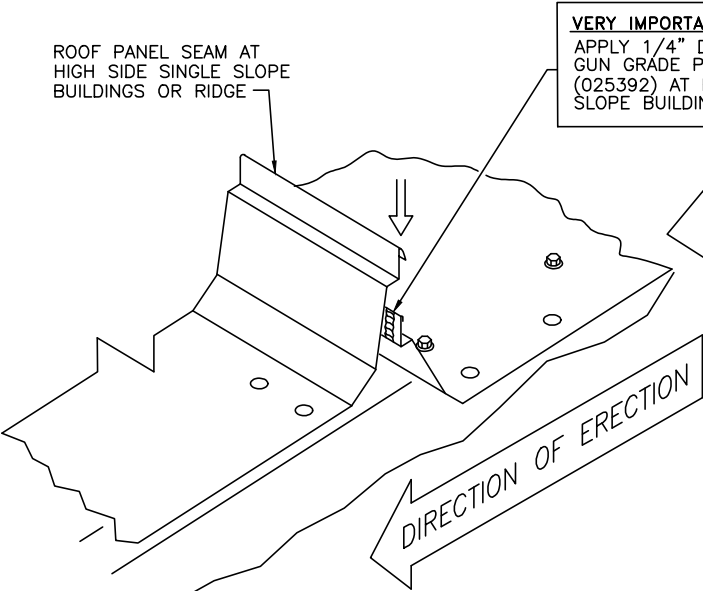


STEP 1 – LOCATE STRUCTURAL HOLE

- REFER TO ROOF PANEL LAYOUT DRAWING PROVIDED WITH EACH ORDER FOR PANEL PLACEMENT.
- PANEL CLIPS ARE NOT INSTALLED AT EAVE STRUCTURAL.

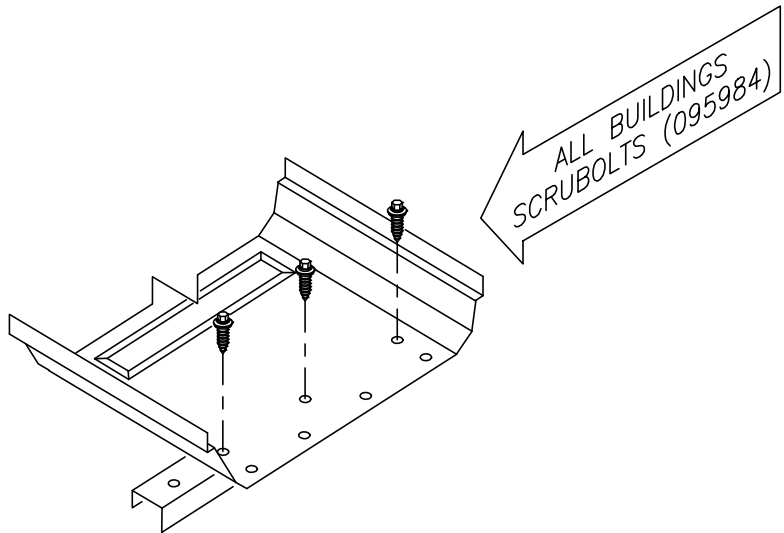
WARNING

ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.



STEP 4 – NEXT PANEL

- DO NOT LAY PANELS TOO FAR AHEAD OF THE SEAMING OPERATION.



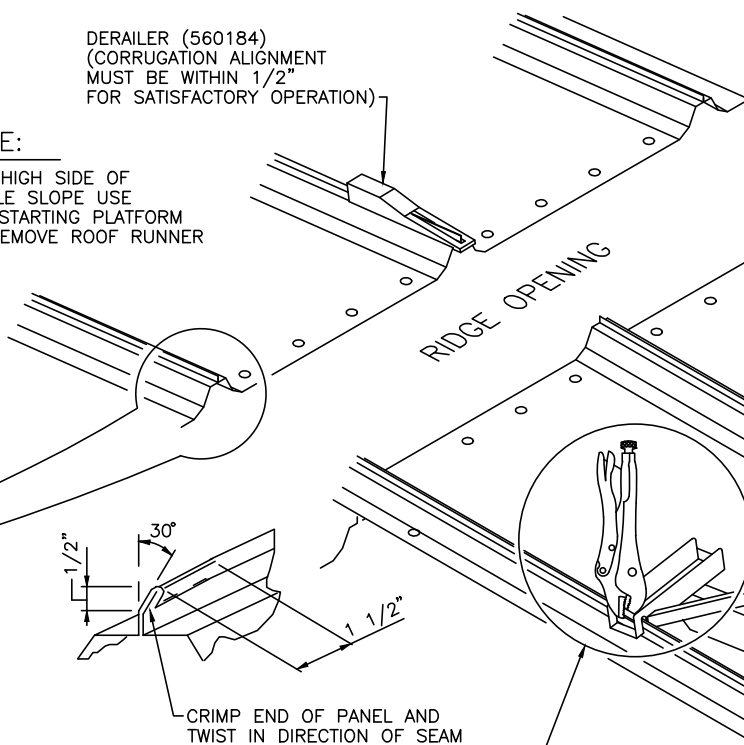
STEP 2 – INSTALL FASTENERS

- INSTALL APPROPRIATE FASTENERS BEFORE PANEL CORRUGATIONS ARE LOCK SEAMED.

NOTE:

FOR HIGH SIDE OF SINGLE SLOPE USE THE STARTING PLATFORM TO REMOVE ROOF RUNNER

DERAILER (560184)
(CORRUGATION ALIGNMENT MUST BE WITHIN 1/2" FOR SATISFACTORY OPERATION)

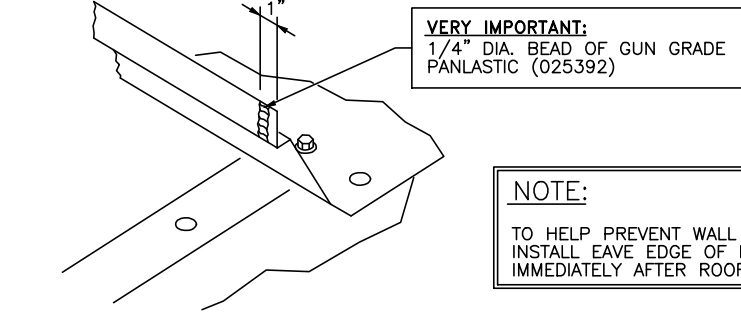
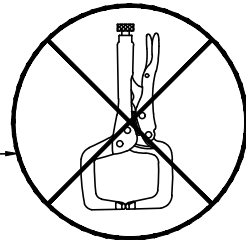


STEP 5 – CRIMP PANEL

- BEFORE STARTING SEAMING OPERATION CRIMP THE START OF SEAM FOR EASE OF ROOF RUNNER ENGAGEMENT.

IMPORTANT:

DO NOT USE C-CLAMP STYLE LOCKING PLIERS WHEN SECURING THE STARTING PLATFORM AT MR-24 CORRUGATION SEAM LOCATIONS. ONLY CURVED JAW TYPE, (9" MIN.), MAY BE USED.



STEP 3 – INSTALL SEALANT

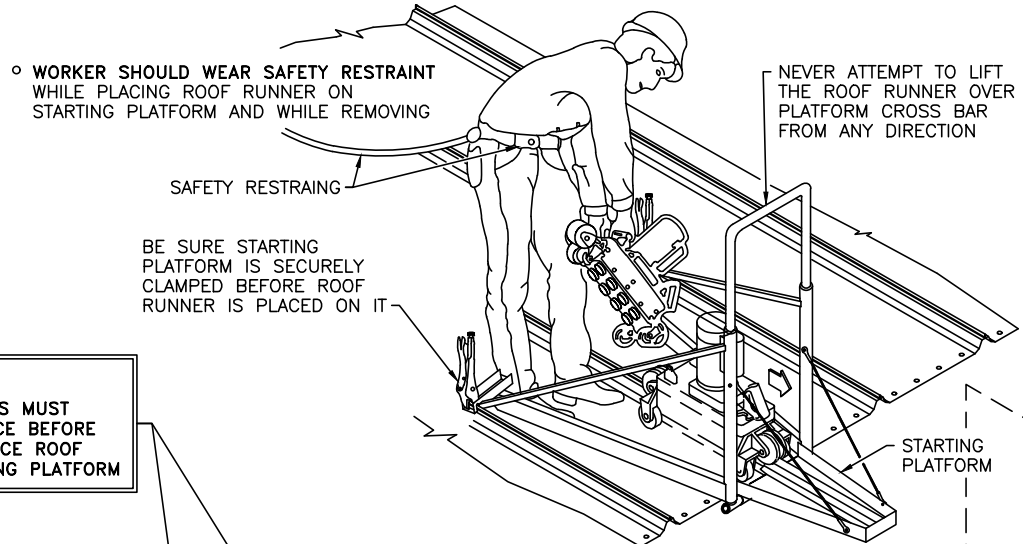
- WORKER SHOULD WEAR SAFETY RESTRAINT WHILE PLACING ROOF RUNNER ON STARTING PLATFORM AND WHILE REMOVING

SAFETY RESTRAINING

BE SURE STARTING PLATFORM IS SECURELY CLAMPED BEFORE ROOF RUNNER IS PLACED ON IT

NOTE:

TO HELP PREVENT WALL STAINING CAUSED BY ROOF RUN-OFF, INSTALL EAVE EDGE OF ROOF TRIM OR GUTTER PARTS IMMEDIATELY AFTER ROOF PANELS ARE INSTALLED.



IMPORTANT:

QUICK RELEASE PINS MUST ALWAYS BE IN PLACE BEFORE ATTEMPTING TO PLACE ROOF RUNNER ON STARTING PLATFORM

STEP 6 – SEAMING OPERATION

- BE SURE PANELS ARE PROPERLY NESTED TOGETHER PRIOR TO SEAMING.
- PANELS CAN BE TEMPORARILY HELD IN PLACE WITH VICE GRIPS BEFORE SEAMING.



MR-24 PANEL INSTALLATION

DRAWN BY		CHECKED BY		GROUP NUMBER: 02-030-01	
RKH		ACM			
FIRST RELEASE DATE		REVISION DATE			
01/21/10		09/02/20			

IMPORTANT:

THE AREA BELOW WHERE A STARTING PLATFORM IS BEING USED MUST BE DESIGNATED A WORK EXCLUSION ZONE.

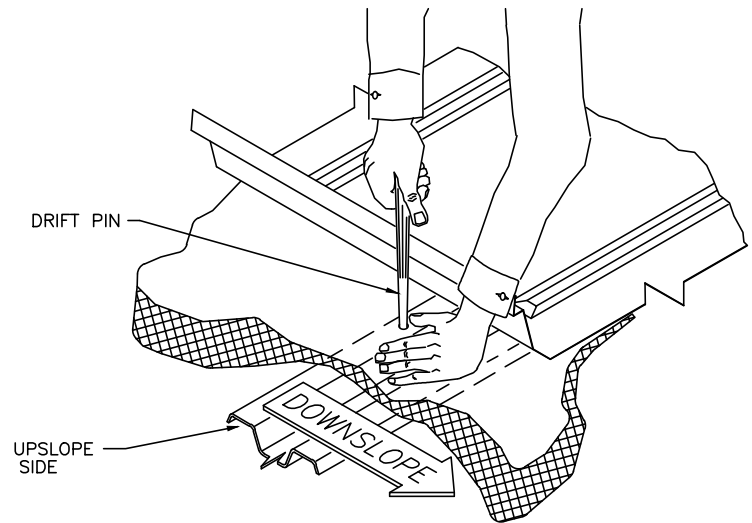
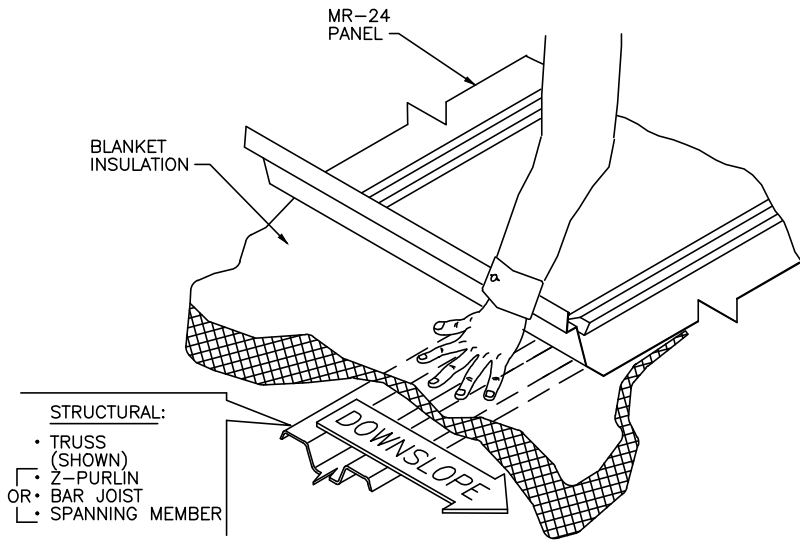
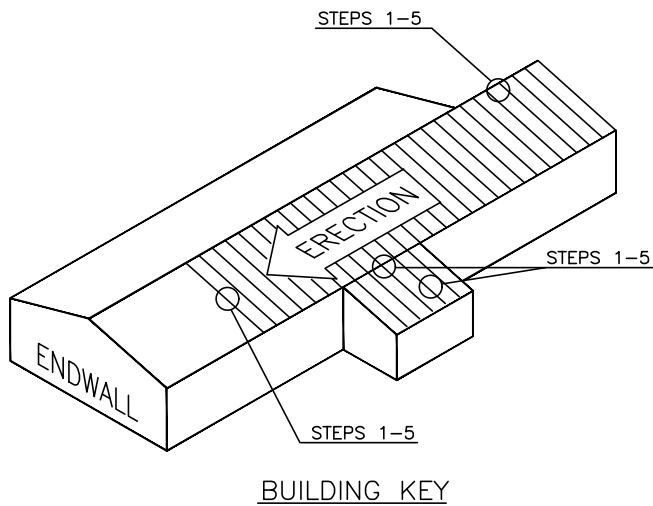
(AREA BELOW)
WORK EXCLUSION
ZONE

MACHINE MUST BE PARALLEL TO ROOF WHEN ENGAGING SEAM

CENTER FRONT GUIDE WHEEL ON PANEL CORRUGATION

THIS DRAWING IS INCLUDED IN A PRODUCT APPROVAL PACKAGE
REVISIONS MUST BE APPROVED BY THE MANAGER OF PRODUCT EXCELLENCE

REVISION NUMBER 6			REVISION NUMBER 2			REVISION NUMBER 3			REVISION NUMBER 4			REVISION NUMBER 5		
ADD FLORIDA APPROVAL LOGO			ADD INFORMATION FOR EXTRA TALL MR-24 PANEL CLIP (560745).			CHANGED "SPACER BLOCK" TO "THERMAL SPACER BLOCK" PER DR6707.			REVISED THE IMPORTANT NOTE, ADDED THE SECOND LINE.			ADD PRODUCT APPROVAL NOTE		
DATE	DWBY	RLB	DATE	DWBY	RLB	DATE	DWBY	RLB	DATE	DWBY	RLB	DATE	DWBY	RLB
09/02/20	CHKD	BSN	03/02/15	CHKD	BSN	05/18/15	CHKD	ARS	04/13/16	CHKD	RJR	05/23/19	CHKD	RLB



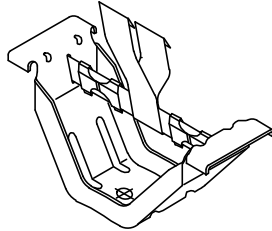
STEP 1 LOCATE STRUCTURAL

FROM THE ADJACENT MR-24 PANEL, LOCATE THE STRUCTURAL UNDER THE BLANKET INSULATION.

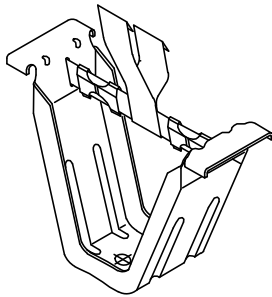
STEP 2 LOCATE HOLE IN STRUCTURAL WITH DRIFT PIN

IMPORTANT NOTE: ALWAYS LOCATE PANEL CLIPS ON THE UPSLOPE SIDE OF TRUSS OR DELTA JOIST. (FOR DELTA JOIST SYSTEM, AT THE HIGH SIDE OF SINGLE SLOPE MOUNT CLIP ON ROOF SUPPORT ANGLE.)

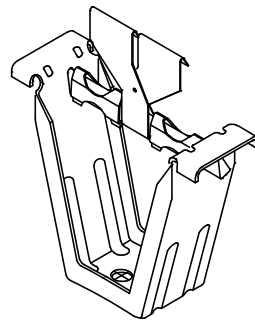
*NOTE:
MR-24 CLIP 560743, 560744 OR 560745 MAY BE SUPPLIED WHEN FACTORY MUTUAL CLASSIFICATION IS SPECIFIED.



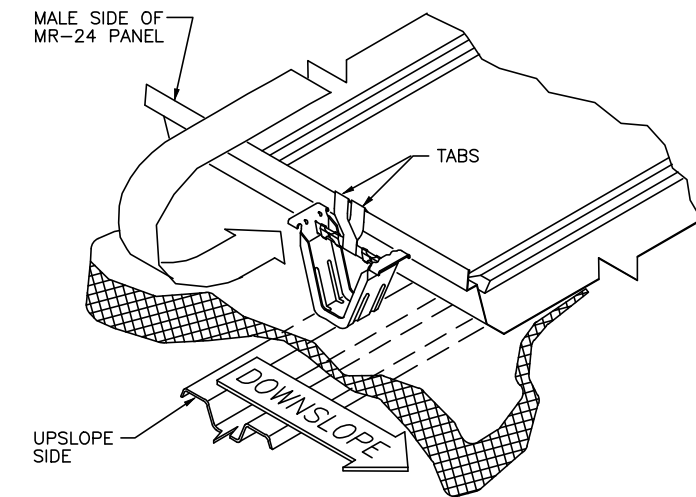
SHORT PANEL CLIP (560440 OR *560743)
(WITHOUT THERMAL SPACER BLOCK)



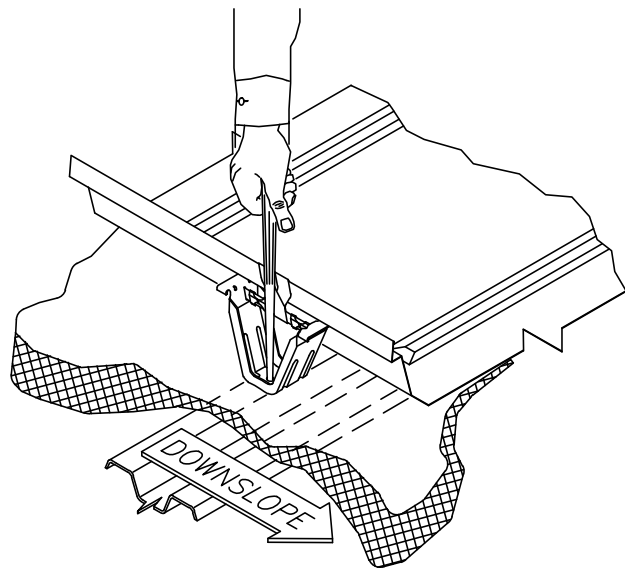
TALL PANEL CLIP (560441 OR *560744)
(WITH THERMAL SPACER BLOCK)



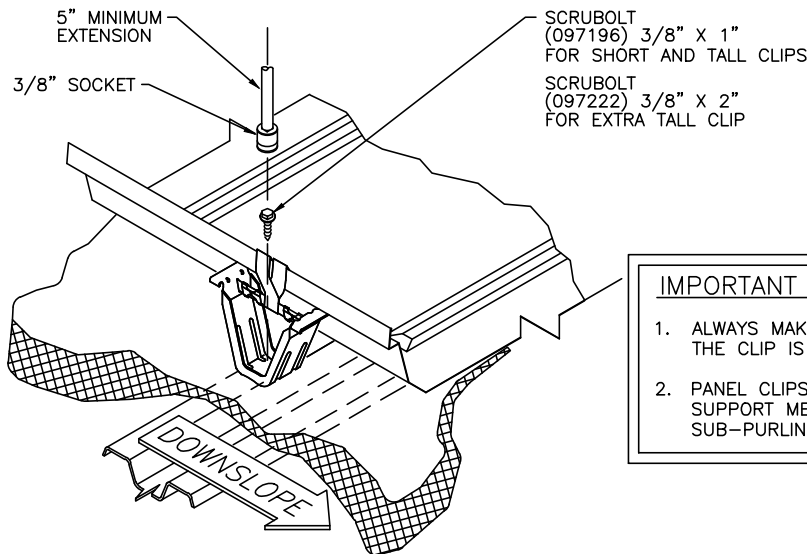
EXTRA TALL PANEL CLIP (*560745)
(WITH THERMAL SPACER BLOCK FOR 6" TO 9" INSULATION)



STEP 3 HOOK PANEL CLIP TABS OVER PANEL AND ROTATE CLIP INTO POSITION



STEP 4 TEMPORARILY SECURE THE PANEL CLIP WITH A DRIFT PIN



STEP 5 INSTALL SCRUBOLT FASTENER

INSTALLATION OF SCRUBOLT REQUIRES A 3/8" SOCKET AND A 5" (MINIMUM) EXTENSION.

WARNING
ALWAYS USE FALL PROTECTION WHILE WORKING AROUND ROOF OPENINGS.

IMPORTANT NOTE

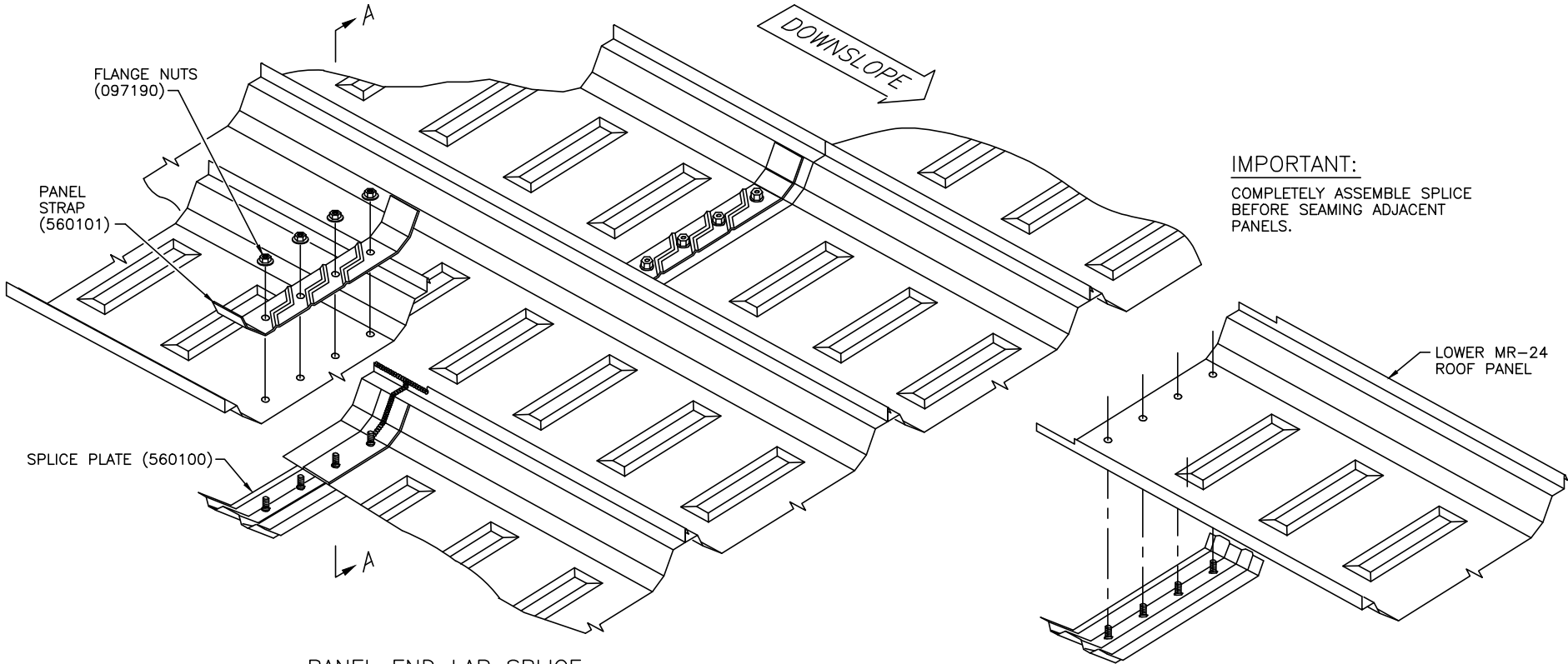
- ALWAYS MAKE SURE TABS ARE CENTERED IN THE MR-24 CLIP AFTER THE CLIP IS INSTALLED.
- PANEL CLIPS MUST BE ATTACHED TO ALL ROOF SECONDARY SUPPORT MEMBERS INCLUDING ALL INTERMEDIATE MEMBERS, SUB-PURLINS, ETC.

THIS DRAWING IS INCLUDED IN A PRODUCT APPROVAL PACKAGE
REVISIONS MUST BE APPROVED BY THE MANAGER OF PRODUCT EXCELLENCE



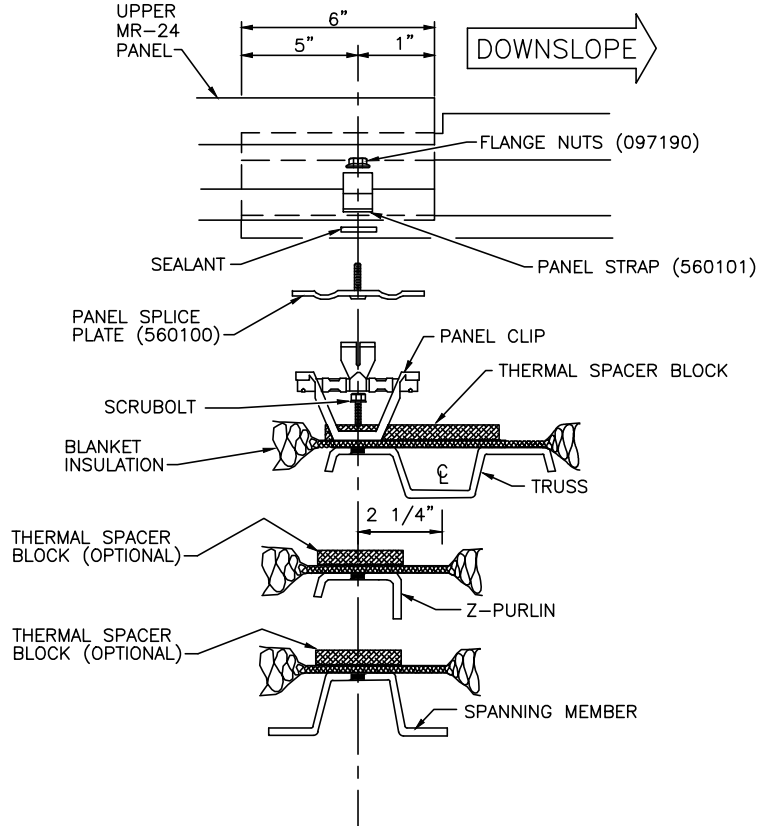
MR-24 PANEL CLIP INSTALLATION				
DRAWN BY	CHECKED BY	GROUP NUMBER: 02-030-01		
RKH	RMS			
FIRST RELEASE DATE	REVISION DATE	B	P-080576	06
01/21/10	09/02/20			

REVISION NUMBER 6		REVISION NUMBER 2		REVISION NUMBER 3		REVISION NUMBER 4		REVISION NUMBER 5	
DATE 09/02/20		DATE 04/29/15		DATE 03/08/16		DATE 08/06/18		DATE 05/23/19	
DWBY BSN		DWBY ARS		DWBY RHE		DWBY RHE		DWBY BSN	
ADD FLORIDA APPROVAL LOGO 24519		CHANGED "SPACER BLOCK" TO "THERMAL SPACER BLOCK" PER DRG707.		REVISED NOTES TO ADD REFERENCE TO "SPACER BLOCK" FOR VARIABLE WIDTH PANEL INFORMATION.		REVISED TO ADD TORQUE LIMITER SOCKET AND DIRECTIONS FOR USE. PART #24266.		ADD PRODUCT APPROVAL NOTE	
R/LB		R/KP		R/JWH		R/ARB		R/LB	



PANEL END LAP SPICE

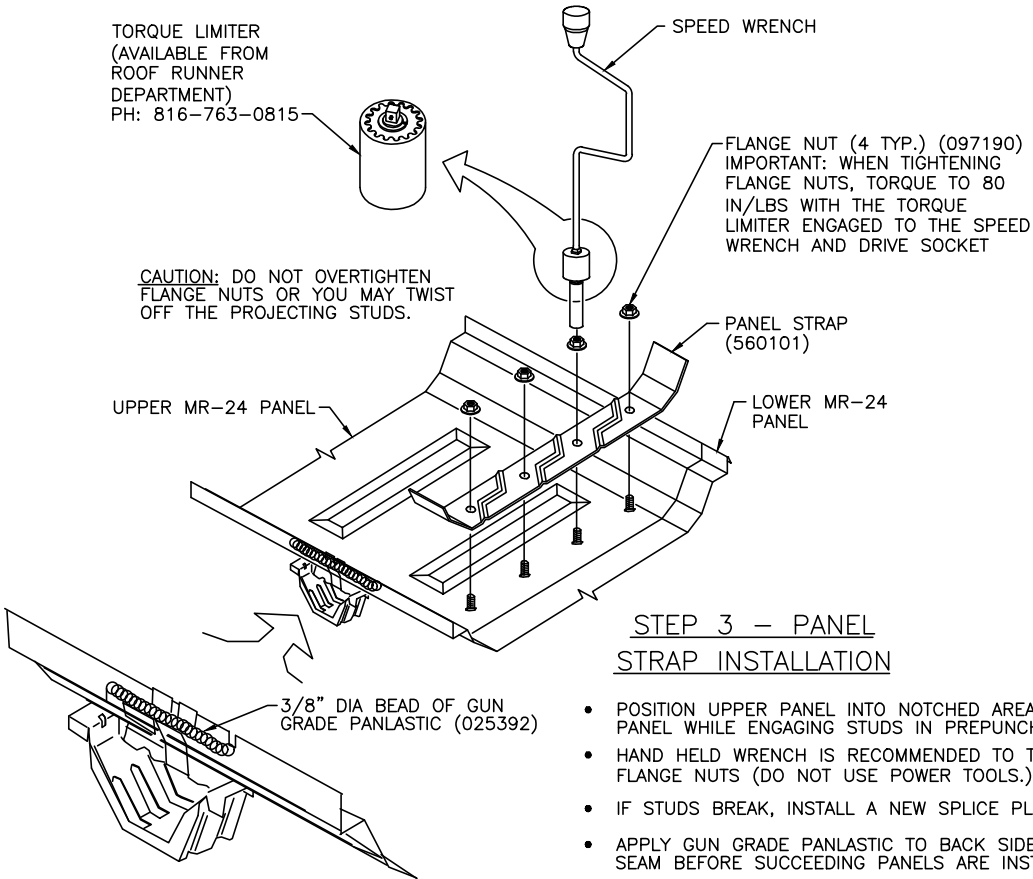
- PUNCHED AND NOTCHED PANELS ARE FURNISHED WITH LENGTHS CALCULATED FOR END LAP SPICES TO OCCUR OVER SECONDARY STRUCTURALS.
- REFER TO ROOF PANEL LAYOUT DRAWINGS PROVIDED WITH EACH ORDER FOR PROPER PLACEMENT OF STAGGERED END LAP SPICE LOCATIONS.



SECTION A-A

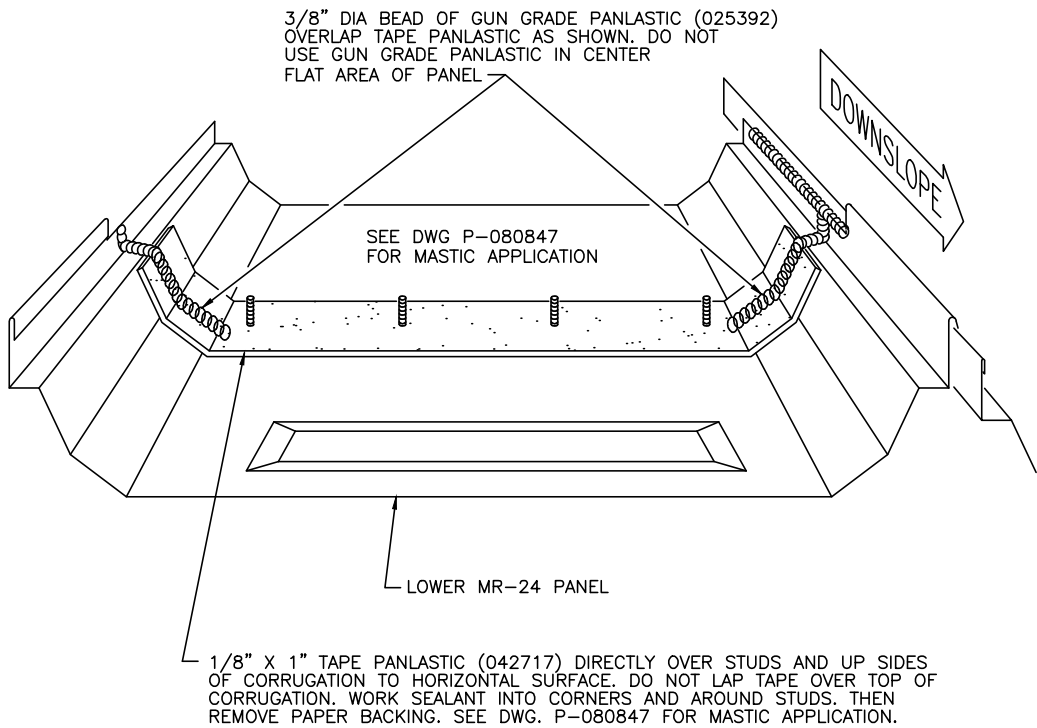
STEP 1 – SPLICE PLATE INSTALLATION

- ATTACH PANEL AT EAVE TO STRUCTURAL MEMBER.
- FOR EASE OF INSTALLATION, SPLICE PLATE (560100) CAN BE TEMPORARILY ATTACHED TO PANEL WITH (2) FLANGE NUTS BEFORE POSITIONING PANEL.

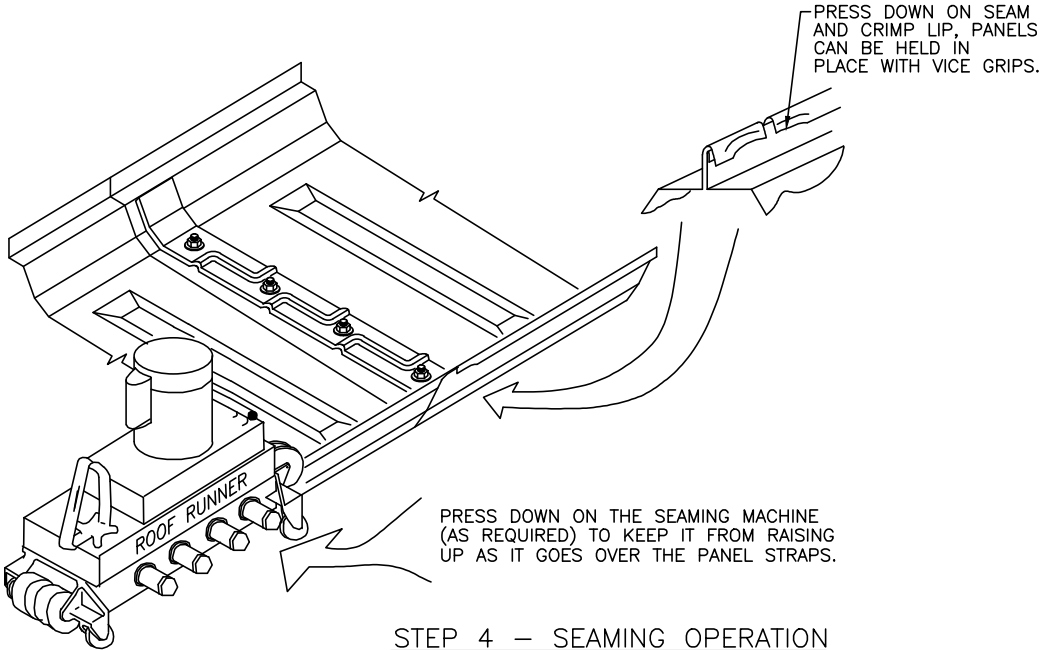


STEP 3 – PANEL STRAP INSTALLATION

- POSITION UPPER PANEL INTO NOTCHED AREA ON LOWER PANEL WHILE ENGAGING STUDS IN PREPUNCHED HOLES.
- HAND HELD WRENCH IS RECOMMENDED TO TIGHTEN FLANGE NUTS (DO NOT USE POWER TOOLS.)
- IF STUDS BREAK, INSTALL A NEW SPLICE PLATE.
- APPLY GUN GRADE PANLASTIC TO BACK SIDE OF SEAM BEFORE SUCCEEDING PANELS ARE INSTALLED.



STEP 2 – SEALANT APPLICATION



STEP 4 – SEAMING OPERATION

- INSPECT EACH END LAP SPICE FOR PROPER FIT AND WEATHER TIGHTNESS.
- IF REPAIR OF A STUD IS REQUIRED AFTER PANELS HAVE BEEN SEAMED, DRILL STUD OUT WITH 5/16 inch diameter bit, APPLY GUN GRADE PANLASTIC BETWEEN PANEL AND PANEL STRAP THEN INSTALL GREEN WASHER LOCKRIVET (096306) (DO NOT ANCHOR TO SECONDARY STRUCTURAL).

NOTE:

- SEE DRAWING P-090005 FOR 12" VARIABLE WIDTH PANEL INFORMATION.

THIS DRAWING IS INCLUDED IN A PRODUCT APPROVAL PACKAGE
REVISIONS MUST BE APPROVED BY THE MANAGER OF PRODUCT EXCELLENCE



MR-24 END LAP SPLICE			
DRAWN BY ACM	CHECKED BY RKH	GROUP NUMBER: 02-030-01	
FIRST RELEASE DATE 01/21/10	REVISION DATE 09/02/20	B	P-080577 06