

GENERAL DETAILS

- EA6000 - ROOF PANEL HAND TOOLS
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EA6000 - ROOF PANEL HAND TOOLS

[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

HAND
TOOLS



ROOF
SEAMERS

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

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, REMOVE DETAIL.

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

EA6011

Detail Size (W x H) : 4 x 3

EA6012 - CFR 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 MULT LAYERS OF FIBERGLASS BLANKET INSULATION, EXPANDED TO FULL THICKNESS

SINGLE OR MULT LAYERS OF FIBERGLASS BLANKET INSULATION, PULLED TOO TIGHT

PRE-DRILL ONE PILOT HOLE FOR ROOF PANEL CLIPS AT MID-SPAN, 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 TAPE INCLINIC. INSTALL NEXT VOID CLOSURE AS SHOWN.

USE MODULARITY CLAMP(S) TO HOLD PANEL TRAPEZOID AT 5 1/16" 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.

ADJUSTABLE MODULARITY TOOL (BUYOUT) MK. H9510

MODULARITY CLAMP (BUYOUT) MK. H7105

CFR MODULARITY TOOL (BUYOUT) MK. H7105

SECTION A

24" COVERAGE

5 1/16" MAX.

5 1/16" MAX.

STRETCHING PANEL COVERAGE

SHRINKING PANEL COVERAGE

CORRECT PANEL MODULARITY

ADJUSTING PANEL MODULARITY

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" O.C. AND MARK EAVE PLATE 1" O.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 UPLOPE AS SHOWN.
6. ADD, ADJUST OR LEAVE CLAMPS OFF TO MAINTAIN PANEL MODULARITY AS NECESSARY.
7. LEAVE CLAMPS ON FIRST FULL SEAM.

START PANEL (BUYOUT)

MODULARITY CLAMP (BUYOUT) MK. H7105

FULL PANEL

LOW EAVE

LOW EAVE NOTE: TO AID IN LOW EAVE PANEL MODULARITY, PRE-INSTALL PANEL VOID CLOSURES AT 24" O.C.

FASTENER SEQUENCE FOR SQUARE TYPICAL CENTER OF PANEL AND FASTEN FROM CENTER OUT

2" O.C. 1" O.C. 6" O.C. OF VOID CLOSURE

START PANEL OUTSIDE CLOSURE CANNOT BE INSTALLED UNTIL RAKE TRIM IS INSTALLED

DO NOT INSTALL OUTSIDE CLOSURE UNTIL ADJACENT PANEL IS INSTALLED

STAGE #2

1. INSTALL THE NEXT LOW EAVE PANEL AND ADD CLAMP.
2. REPEAT STEPS 3 THROUGH 6 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.

START PANEL OUTSIDE CLOSURE CANNOT BE INSTALLED UNTIL RAKE TRIM IS INSTALLED

OUTSIDE CLOSURE CAN BE INSTALLED AT THIS STEP (SEE BASIC PANEL INSTALLATION DETAIL)

DO NOT INSTALL OUTSIDE CLOSURE IN LEADING PANEL

LOW EAVE

LOW EAVE NOTE: TO AID IN LOW EAVE PANEL MODULARITY, PRE-INSTALL PANEL VOID CLOSURES AT 24" O.C.

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.

START PANEL

MODULARITY CLAMP (BUYOUT) MK. H7105

FULL PANEL

LOW EAVE

LOW EAVE NOTE: TO AID IN LOW EAVE PANEL MODULARITY, PRE-INSTALL PANEL VOID CLOSURES AT 24" O.C.

START PANEL OUTSIDE CLOSURE CANNOT BE INSTALLED UNTIL RAKE TRIM IS INSTALLED

PREVIOUSLY INSTALLED OUTSIDE CLOSURE

OUTSIDE CLOSURE CAN BE INSTALLED AT THIS STEP (SEE BASIC PANEL INSTALLATION DETAIL)

DO NOT INSTALL OUTSIDE CLOSURE IN LEADING PANEL

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 RIBS OF CLAMPS ON PREVIOUS SEAMS AS PANEL INSTALLATION CONTINUES.
6. REPEAT ALL STEPS / STAGES OF THIS METHOD THROUGHOUT THE ROOF PANEL ERECTION.

START PANEL OUTSIDE CLOSURE CANNOT BE INSTALLED UNTIL RAKE TRIM IS INSTALLED

OUTSIDE CLOSURE CAN BE INSTALLED AT THIS STEP (SEE BASIC PANEL INSTALLATION DETAIL)

DO NOT INSTALL OUTSIDE CLOSURE IN LEADING PANEL

LOW EAVE

LOW EAVE NOTE: TO AID IN LOW EAVE PANEL MODULARITY, PRE-INSTALL PANEL VOID CLOSURES AT 24" O.C.

LOW EAVE

LOW EAVE NOTE: TO AID IN LOW EAVE PANEL MODULARITY, PRE-INSTALL PANEL VOID CLOSURES AT 24" O.C.

MODULARITY GUIDANCE

SPECIAL ATTENTION TO ABOVE STEPS TO MAINTAIN PROPER PANEL MODULARITY AND THERMAL PERFORMANCE IS CRITICAL. FAILURE TO DO SO WILL RESULT IN UNSIGHTLY PANEL APPEARANCE.

EA6012

Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.

EA6015 - CFR - HAND CRIMPING NOTES

Download the DWG file by clicking here.

IMPORTANT NOTE:

THE INSTRUCTIONS ON THIS PAGE ONLY ADDRESS THE USE OF THE HAND CRIMPING TOOLS. INSTRUCTIONS FOR MECHANICAL SEAMING, IF REQUIRED, ARE OUTLINED IN THE SEAMING MANUAL, WHICH IS INCLUDED WITH THE MECHANICAL SEAMER KIT PROVIDED BY THE SEAMER RENTAL COMPANY.

SPECIALIZED SEAMING AND HAND CRIMPING TOOLS

THE FINISHED SEAM OF THE ROOF PANELS REQUIRES SPECIAL SEAMING TOOLS THAT ARE AVAILABLE ONLY THROUGH THE MBS. CAUTION: THE USE OF OTHER SEAMING / CRIMPING EQUIPMENT WILL RESULT IN FAULTY AND / OR DAMAGED SEAMS AND SHALL INVALIDATE ANY OF THE ROOF SYSTEMS MATERIAL AND WEATHER TIGHTNESS WARRANTIES.

SEAMING TOOL SOURCE

THE SEAMING TOOLS ARE PROVIDED BY MBS IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORDER DOCUMENTS. CONTACT YOUR SERVICE REPRESENTATIVE TO PURCHASE NECESSARY CRIMPING TOOLS. CONTACT THE SEAMER RENTAL COMPANY FOR RENTAL INFORMATION OF THE MECHANICAL SEAMER IF REQUIRED.

CRIMPING & SEAMING REQUIREMENTS

THE DESIGN OF THIS STRUCTURE REQUIRES SEAMING TO MEET DESIGN AND CODE REQUIREMENTS. SEE THE SEAMING PLAN FOR ROOF PLANE SPECIFIC SEAMING REQUIREMENTS.

THERE ARE THREE SEAM TYPES POSSIBLE WITH THE NUCOR CFR ROOF AS NOTED BELOW. ALL OF THESE SEAM TYPES CAN BE ACHIEVED WITH THE AVAILABLE CRIMPERS. WHEN VISE LOCK AND VISE LOCK 360 SEAMS ARE REQUIRED, IT IS RECOMMENDED TO RENT A MECHANICAL SEAMER TO AID IN THE SEAMING PROCESS.

1. NUCOR ROLL LOCK™ (SEE NOTES 1 AND 2 BELOW)
2. NUCOR VISE LOCK® (SEE NOTES 1, 2 AND 3 BELOW)
3. NUCOR VISE LOCK 360® (SEE NOTES 2 AND 3 BELOW)

NOTE 1

NUCOR ROLL LOCK SEAM IN THE MINIMUM REQUIRED BY DESIGN FOR ANY ROOF PLANE. ADDITIONAL SEAMING MAY BE REQUIRED BY THE BUILDER OR ARCHITECT. IT IS THE ERECTOR'S RESPONSIBILITY TO PERFORM ANY ADDITIONAL CRIMPING / SEAMING REQUIRED BY THE BUILDER, ARCHITECT, ETC. ABOVE AND BEYOND THE DESIGN REQUIREMENT OF THE MBS.

NOTE 2

MULTIPLE SEAM TYPES MAY BE REQUIRED BY DESIGN IN DIFFERENT ZONES OF THE ROOF PLANE. REVIEW THE ROOF SEAMING PLAN CAREFULLY FOR ROOF PLANE SPECIFIC SEAMING REQUIREMENTS.

NOTE 3

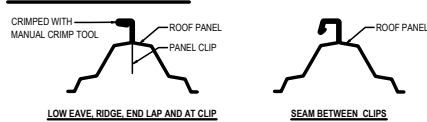
NOT ALL ROOF SYSTEMS REQUIRE MECHANICAL SEAMING. THE BUYER, ARCHITECT, OWNER, ETC. MAY ELECT TO SPECIFY A MECHANICALLY SEALED ROOF. OFTEN, FACTORY MUTUAL RATINGS ALSO REQUIRE A VISE LOCK 360 MECHANICAL SEAM.

SEE THE SEAMING MANUAL FOR IMPORTANT ERECTOR INFORMATION ABOUT THE VISE LOCK 360 SEAMER REQUIREMENTS.

WHEN TO CRIMP

AS WORK PROGRESSES, IT SHALL BE THE ERECTOR'S RESPONSIBILITY TO APPLY THE NUCOR ROLL LOCK HAND CRIMPING REQUIREMENTS IN SUCH A WAY AS TO ENSURE THAT THE PANELS HAVE BEEN ADEQUATELY SECURED AT THE COMPLETION OF EACH DAY'S WORK.

NUCOR ROLL LOCK SEAM™

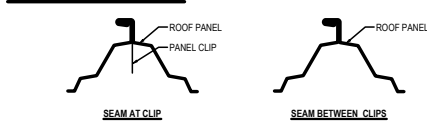


THE ROLL LOCK SEAM™ ROLL LOCK SEAM REQUIRES THE ROOF PANELS TO BE CRIMPED WITH A MANUAL CRIMPING TOOL BY THE COMPLETION OF EACH DAY'S WORK. THIS DOES NOT REQUIRE THE USE OF A MOTORIZED SEAMER.

CRIMPING IS REQUIRED AT THE FOLLOWING LOCATIONS

1. LOW EAVE 16"
2. RIDGE / HIGH SIDE 16"
3. ENDLAP 16"
4. AT CLIPS SINGLE CRIMP

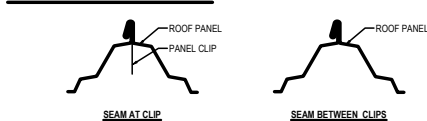
NUCOR VISE LOCK SEAM®



THE VISE LOCK SEAM® IS CONTINUOUS FULL LENGTH OF THE PANEL. THE VISE LOCK SEAM CAN BE ACHIEVED BY TWO DIFFERENT METHODS.

1. CONTINUALLY HAND CRIMPING THE SEAM WITH THE VISE LOCK HAND CRIMPER.
2. MECHANICALLY SEAMING WITH A VISE LOCK MOTORIZED SEAMER.

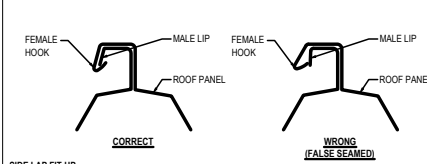
NUCOR VISE LOCK 360 SEAM®



THE VISE LOCK 360 SEAM® IS CONTINUOUS FULL LENGTH OF THE PANEL. THE VISE LOCK 360® SEAM CAN BE ACHIEVED BY TWO DIFFERENT METHODS.

1. CONTINUALLY HAND CRIMPING THE SEAM WITH THE VISE LOCK 360 HAND CRIMPER. THE SEAM NEEDS TO BE HAND CRIMPED INTO A VISE LOCK SEAM PRIOR TO USING THE VISE LOCK 360 CRIMPER.
2. MECHANICALLY SEAMING WITH A MOTORIZED SEAMER.

CHECK PANEL ASSEMBLY



SIDE LAP FIT-UP

BEFORE CRIMPING AND / OR SEAMING, INSPECT THE FULL LENGTH OF EACH PANEL SIDE LAP. CHECK THAT THE LIP AT THE MALE EDGE OF THE PANEL IS ENCLOSED BY THE HOOK OF THE ADJACENT PANEL'S FEMALE EDGE AS SHOWN IN THE DETAIL ABOVE. ANY CONDITIONS WHERE THE SEAM IS NOT ENGAGED PROPERLY MUST BE CORRECTED BEFORE ATTEMPTING TO CRIMP OR SEAM THE PANEL. FALSE SEAMING OCCURS WHEN THE PANELS ARE NOT PROPERLY ENGAGED. FALSE SEALED PANELS CANNOT PROVIDE THE REQUIRED WIND LOAD AND WEATHER RESISTANCE THEY WERE DESIGNED TO WITHSTAND. FALSE SEAMING CAN ALSO LEAD TO PANEL DAMAGE AND THE MBS NOR THE SEAMER RENTAL COMPANY CAN BE HELD RESPONSIBLE FOR ANY CONCERNS RELATED TO FALSE SEAMING.

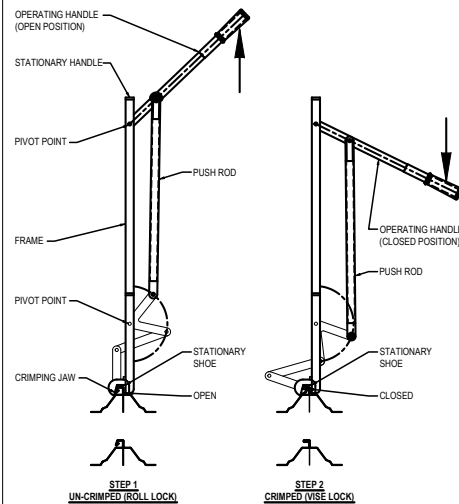
CLIP ALIGNMENT

BEFORE CRIMPING AND / OR SEAMING, INSPECT THAT EACH ROOF PANEL CLIP IS PROPERLY ENGAGED IN THE SIDE LAP ASSEMBLY. ANY DISPLACED CLIPS MUST BE CORRECTED BEFORE ATTEMPTING TO CRIMP / SEAM THE ROOF PANELS. PANEL CLIPS THAT ARE NOT PROPERLY ENGAGED AND ALIGNED CAN CAUSE FAULTY CRIMP / SEAM AND OBJECTIONABLE SEAM APPEARANCE. THE MBS NOR THE SEAMER RENTAL COMPANY CAN BE HELD RESPONSIBLE FOR ANY CONCERNS RELATED TO IMPROPERLY ALIGNED CLIPS.

SEAM DAMAGE

BEFORE CRIMPING AND / OR SEAMING, INSPECT THAT EACH ROOF PANEL MALE AND FEMALE ARE FREE FROM DISTORTION AND KINKS WHICH CAN LEAD TO DIFFICULTY AND / OR DAMAGE TO THE PANEL WHILE ATTEMPTING TO CRIMP / SEAM THE PANEL. ANY DISTORTIONS / KINKS MUST BE CORRECTED BEFORE ATTEMPTING TO CRIMP / SEAM THE PANELS. THE MBS NOR THE SEAMER RENTAL COMPANY CAN BE HELD RESPONSIBLE FOR ANY CONCERNS RELATED TO DAMAGE CAUSED IN THE FIELD.

MANUAL CRIMPING STAND-UP VISE LOCK CRIMPER



THE MANUAL CRIMPING PROCEDURE FOR THE STAND-UP VISE LOCK CRIMPER IS THE SAME PROCEDURE AS THE SMALL VISE LOCK HAND CRIMPER. THE STAND-UP AND SMALL HAND CRIMPERS CAN BE USED IN CONJUNCTION WITH EACH OTHER. THE MANUAL CRIMPERS CAN BE UTILIZED TO CREATE A CONTINUOUS SEAM BY MAKING ADJACENT CRIMPS WITH SLIGHT OVERLAP.

TOOL OPERATION

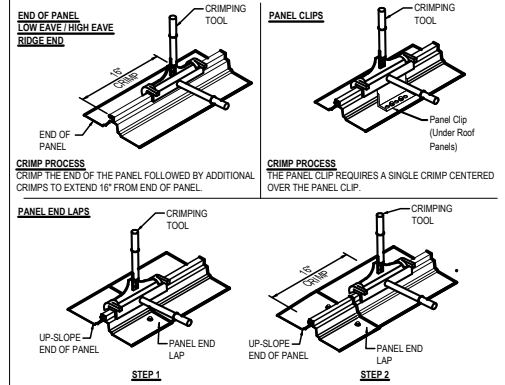
STEP 1

WITH THE HANDLE IN THE UPWARD (OPEN) POSITION, PLACE THE CRIMPER ON THE PANEL RIB. MAKE SURE THE CRIMPER HEAD IS COMPLETELY SEATED ON THE TOP OF THE PANEL RIB BEFORE CRIMPING. IT IS CRITICAL THAT THE OPERATING JAW IS TOWARD THE HOOK SIDE OF THE PANEL AS SHOWN ABOVE. OPERATING THE CRIMPER BACKWARDS ON THE PANEL WILL RESULT IN DAMAGE TO THE PANEL.

STEP 2

PUSH DOWN ON THE HANDLE UNTIL IT STOPS. RAISE HANDLE TO RELEASE CRIMPER. REPOSITION CRIMPER AS NECESSARY AND REPEAT TO EXTEND THE LENGTH OF THE CRIMP.

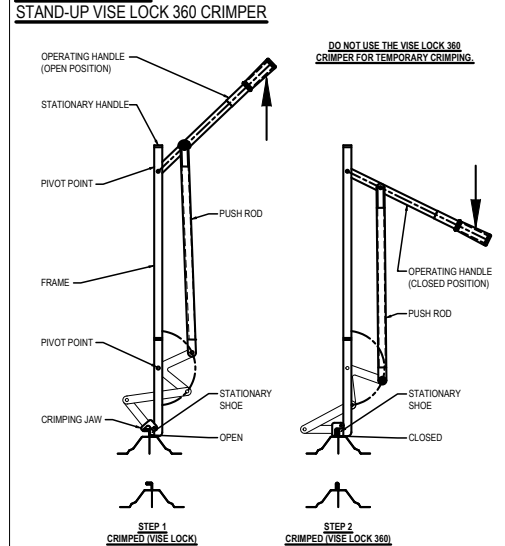
MANUAL CRIMPING - EAVE / END LAP / RIDGE / PANEL CLIP



END LAP CRIMP IS TWO STEP PROCESS

STEP 1: CENTER THE CRIMP TOOL OVER THE PANEL END LAP FOR THE FIRST CRIMP. STEP 2: THE SECOND CRIMP MUST OVERLAP THE FIRST CRIMP AND EXTEND TO ENSURE THE CRIMP REACHES THE DOWNSLOPE PANEL CLIP. THIS MAY REQUIRE A THIRD CRIMP DEPENDING HOW MUCH OVERLAP WAS DONE.

MANUAL CRIMPING STAND-UP VISE LOCK 360 CRIMPER



THE MANUAL CRIMPING PROCEDURE FOR THE STAND-UP VISE LOCK 360 CRIMPER IS THE SAME PROCEDURE AS THE SMALL VISE LOCK 360 HAND CRIMPER. THE STAND-UP AND SMALL HAND VISE LOCK 360 CRIMPERS ARE DESIGNED TO BE USED IN CONJUNCTION WITH VISE LOCK CRIMPERS OR SEAMER. THE PANEL RIB MUST BE IN THE VISE LOCK SEAM PRIOR TO OPERATING THE VISE LOCK 360 CRIMPERS. THE MANUAL CRIMPERS CAN BE UTILIZED TO CREATE A CONTINUOUS SEAM BY MAKING ADJACENT CRIMPS WITH SLIGHT OVERLAP.

TOOL OPERATION

STEP 1

AFTER THE AREA HAS BEEN SEALED TO THE VISE LOCK SEAM, PLACE THE VISE LOCK 360 CRIMPER ON THE PANEL RIB WITH THE HANDLE IN THE UPWARD (OPEN) POSITION. MAKE SURE THE CRIMPER HEAD IS COMPLETELY SEATED ON THE TOP OF THE PANEL RIB BEFORE CRIMPING. IT IS CRITICAL THAT THE OPERATING JAW IS TOWARD THE HOOK SIDE OF THE PANEL AS SHOWN ABOVE. OPERATING THE CRIMPER BACKWARDS ON THE PANEL WILL RESULT IN DAMAGE TO THE PANEL.

STEP 2

PUSH DOWN ON THE HANDLE UNTIL IT STOPS. RAISE HANDLE TO RELEASE CRIMPER. REPOSITION CRIMPER AS NECESSARY AND REPEAT TO EXTEND THE LENGTH OF THE CRIMP.

IMPORTANT

IF THE 360 TOOL DOES NOT FORM THE VISE LOCK 360 SEAM CORRECTLY, STOP AND CHECK THE SEAM TO ENSURE A PROPER AND CONTINUOUS VISE LOCK SEAM HAS BEEN COMPLETED. IF NOT, RE-CRIMP / SEAM TO A PROPER VISE LOCK SEAM BEFORE ATTEMPTING TO SEAM TO THE VISE LOCK 360.

CFR HAND CRIMPING NOTES

HAND CRIMPING TOOLS AND PROCEDURES

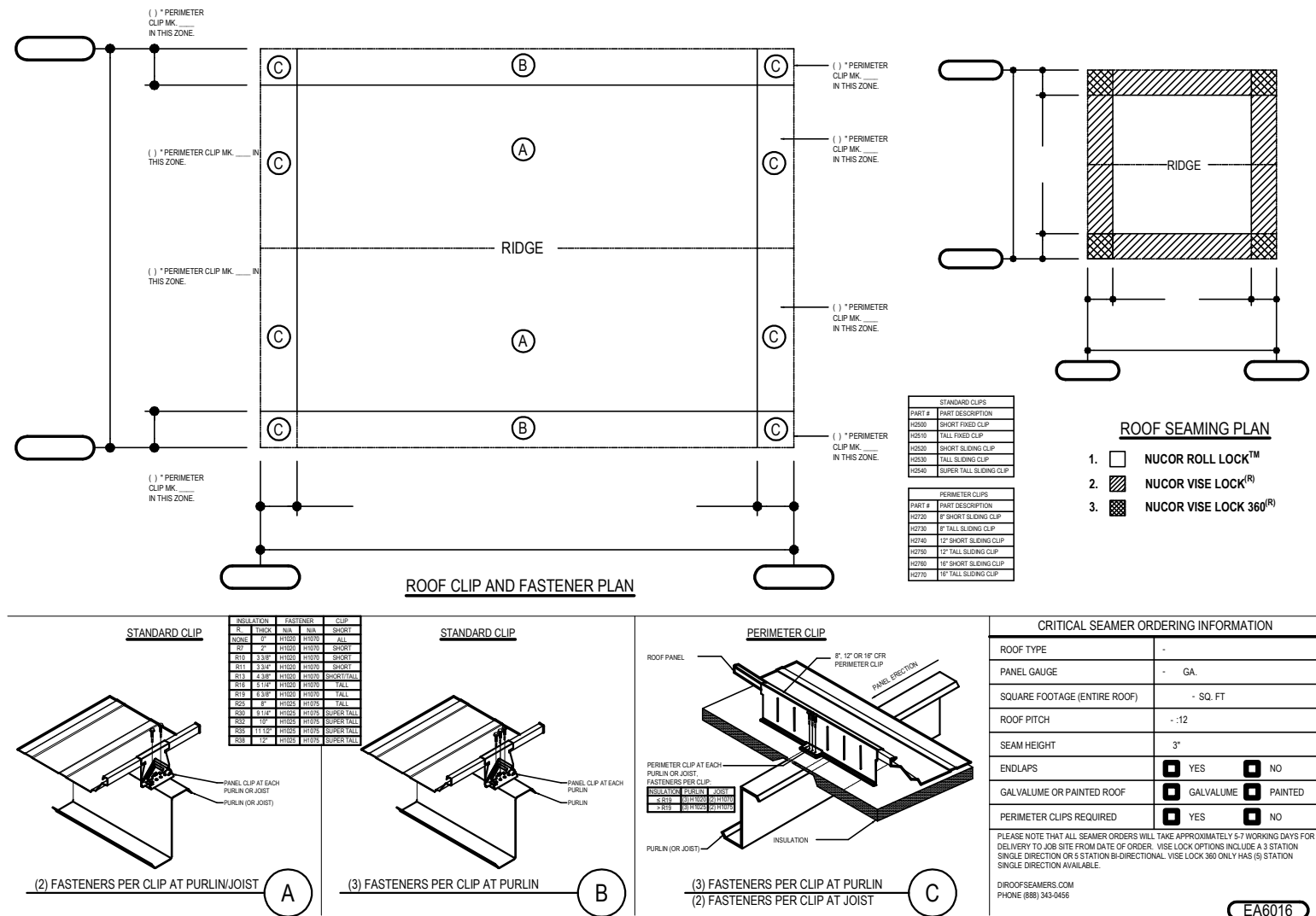
EA6015

Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY **CFR** ROOF PROJECT.

EA6016 - CFR ROOF CLIP & SEAMING PLAN

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

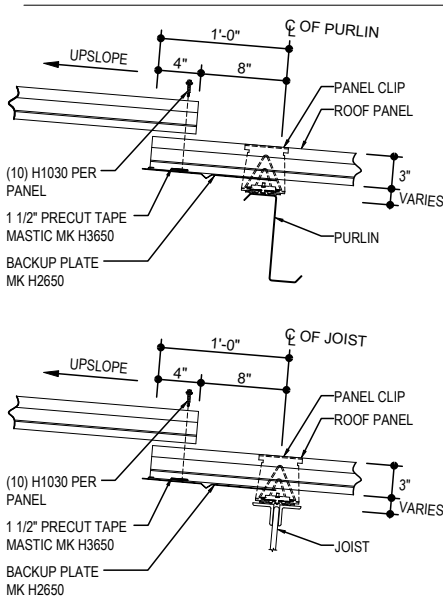
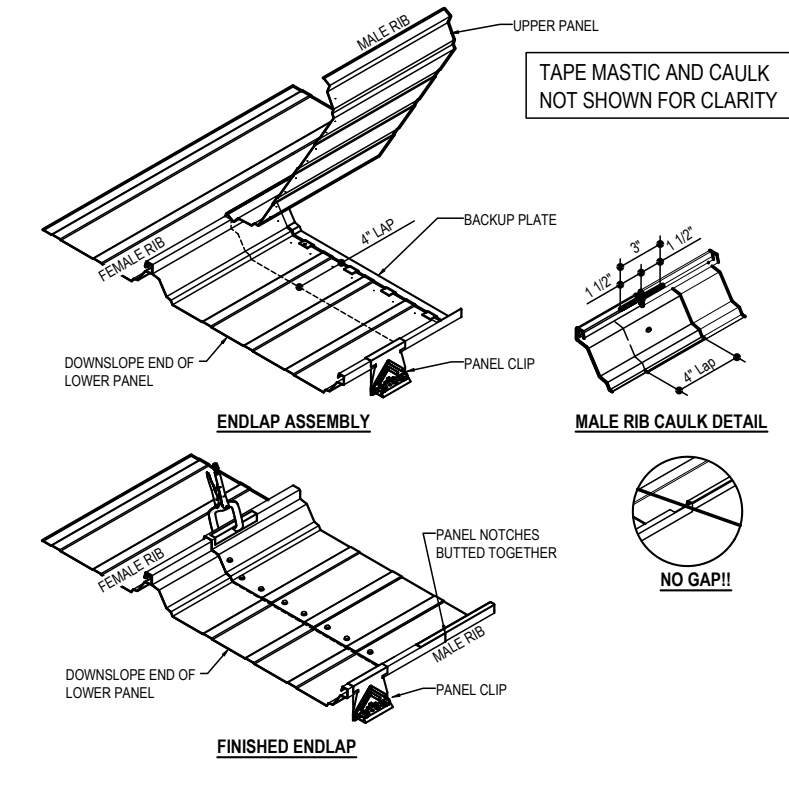


Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.

EA6020 - CFR 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 2" FOR TOP OF MASTIC AND 4" FOR LAP LOCATION. (**DO NOT USE PENCIL**) SLIDE BACKUP PLATE ONTO LOWER PANEL.

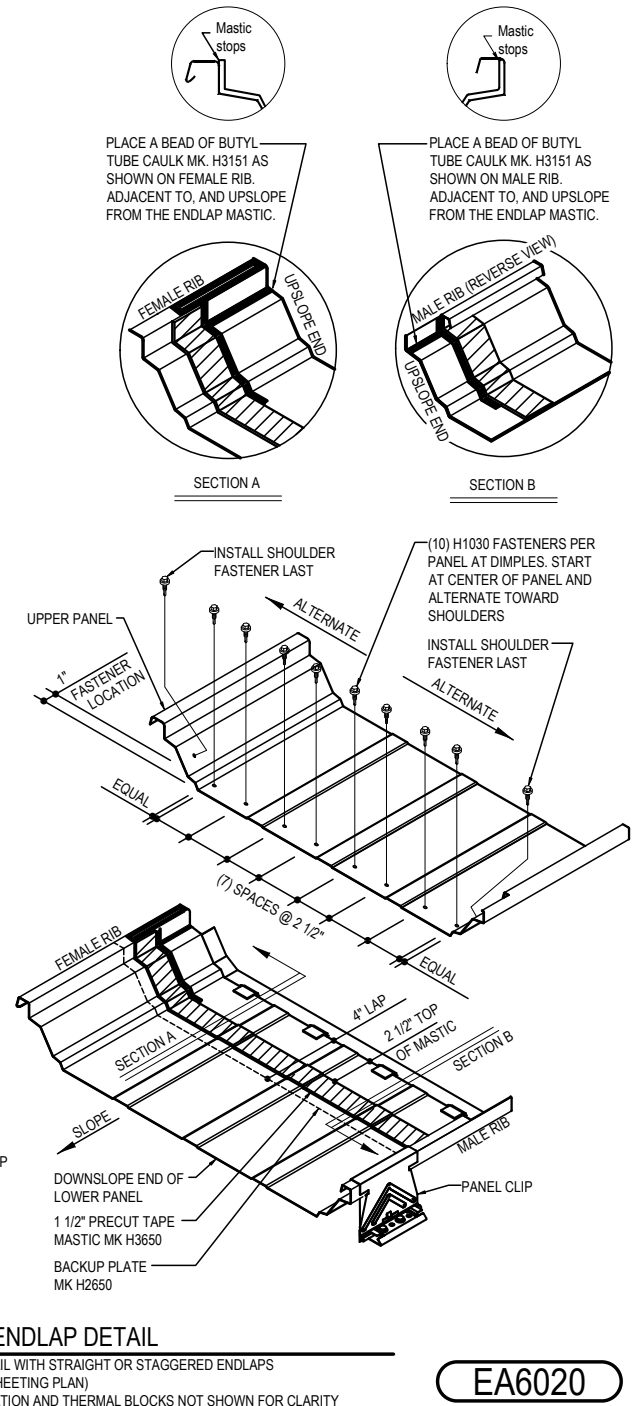
APPLY PRECUT TAPE MASTIC, START AT CORNER OF MALE RIB AND FINISH AT TOP OF FEMALE RIB. LEAVE PAPER BACKING ON MASTIC UNTIL UPPER PANEL HAS BEEN PLACED. MASTIC WILL NOT COVER DIMPLES OF LOWER PANEL.

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 4" 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.

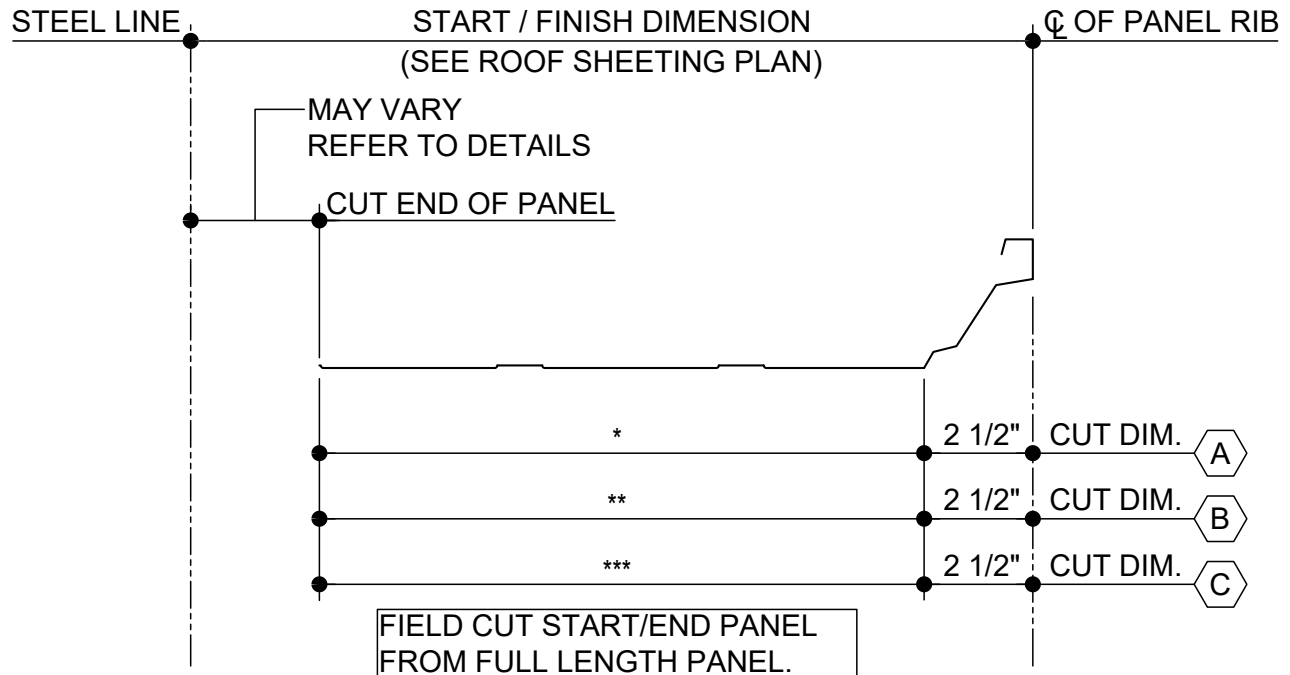


Detailer Notes:

- 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.

EA6035 - CFR START / FINISH PANEL WIDTH DETAIL

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



START / END CUT PANEL 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 IS REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.

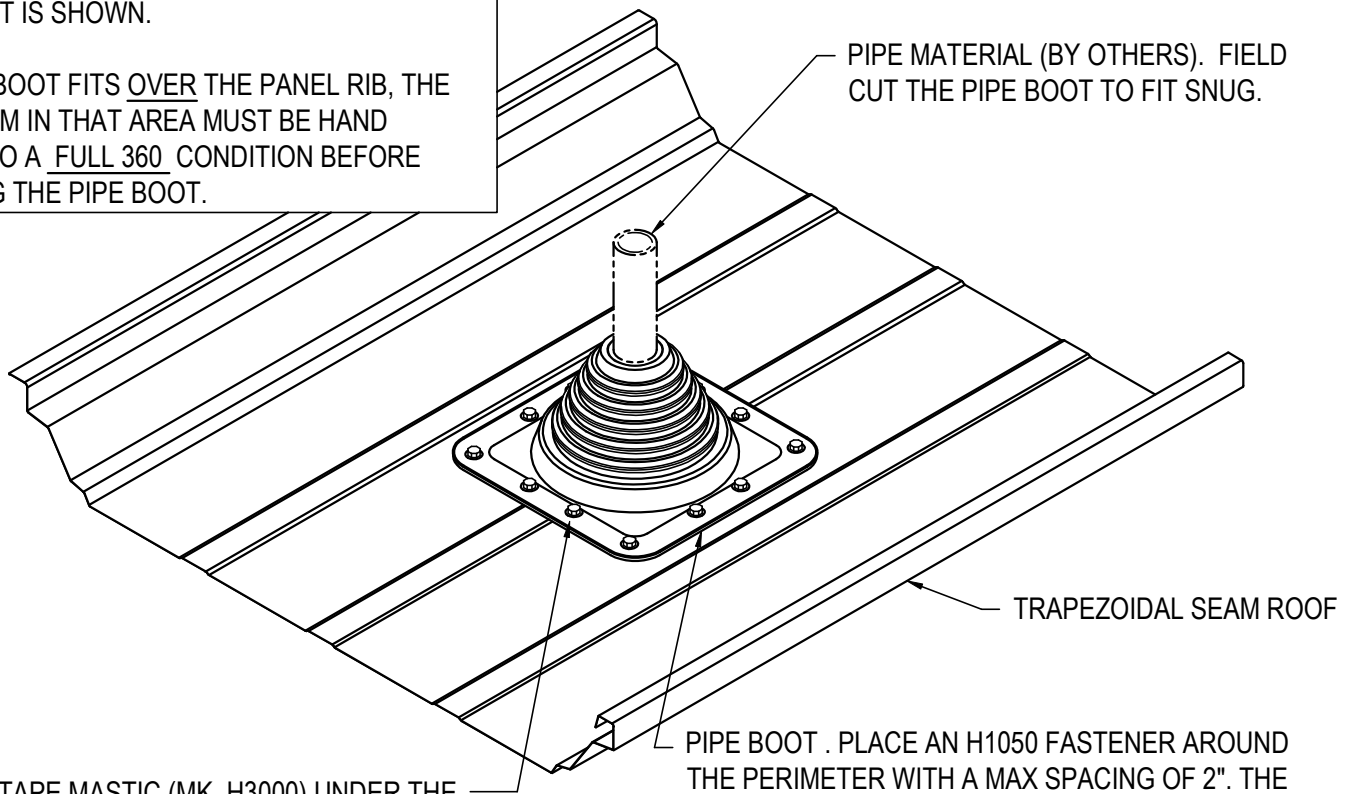
EA6200 - PIPE BOOT

[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 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