



GENERAL DETAILS

EA6000 - ROOF PANEL HAND TOOLS

EA6010 - CFR GENERAL NOTES

EA6011 - CFR BASIC PANEL INSTALLATION

EA6012 - CFR MODULARITY GUIDANCE

EA6015 - CFR - HAND CRIMPING NOTES

EA6016 - CFR ROOF CLIP & SEAMING PLAN

EA6020 - CFR PANEL ENDLAP

EA6035 - CFR START / FINISH PANEL WIDTH DETAIL

EA6076 - TRIM LAP COMPRESSION FASTENER

EA6200 - PIPE BOOT



GENERAL DETAILS TRAPEZOIDAL SEAM ROOF PANELS

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

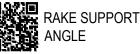
SCAN THE QR CODE DIRECTLY BELOW FOR TOOL PURCHASE AND SEAMER RENTAL OR VISIT HTTP://DIROOFSEAMERS.COM/NBG OR CALL 1(888) 343-0456.



INSTALLATION VIDEOS ARE NOW AVAILABLE TO ACCOMPANY ERECTION DETAILS. SCAN THE QR CODE ADJACENT TO THE TOPIC TO VIEW. https://vimeo.com/showcase/11423087











ROOF START



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.



EA6010 - CFR GENERAL NOTES

Download t	the DWG	file by	clicking	here.
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DESIGN AND PERFORMANCE CRITERIA

BODE STATEM THE ROOF SYSTEM CONSISTS OF 24 GAUGE PANELS WITH A NOMINAL COVERAGE OF 2-0" AND A PANEL SEAM THAT 3 1/2" 4 1/2" OR 8 1/2" HIGH DEPENDING ON CLIP TYPE USED. REFER TO THE DETALS AND SECTIONS FOR SPECIFIC PANEL CLIP TYPE.

PANEL CLIP SPACING THE ROOF SYSTEM USES A CLIP TO ATTACH THE PANELS TO THE ROOF SECONDARY MEMBERS. PANEL CLIP SPACI RECURSEMENTS AS A STANDARD. ARE RECURRED AT EVERY PULLIN ANDOR ROOF JOIST. FOR STRUCTURES NOT SUPPLIE DR MMS, WAXMANL ULIP SPACING IS TO BE 50° FOR PURUN ROOFS AND 54° FOR

PANEL CLIP FASTENING REQUIREMENTS SYMOARD CLIP FASTENERS ARE DESIGNED TO FASTEN TO A STEEL STRUCTURAL MEMBER OF .060° MINIMUM TURINGRES (IN CALL & MINIMUM TO TWO, EARCHARDE ARE DEDIDED, TO ENCLOSE THE STRUCTURAL MEMBER &

EVENT PAREL CUP LOCATION, IN CERTAIN INSTRUCES, INFEE FASTEMENS MAY BE REQUIRED PERCLIP. LOCA IN ERECTION RANNINGS FOR YOUR SPECIFIC FASTEMENR REQUIREMENTS. FASTEMER PULLOUT VALUES ARE DEPEN UPON PROJECT LOCATION, SIZE, BUILDING CODE AND LOADING.

THE ROOF SYSTEM IS ELEVATED ABOVE THE TOP OF THE ROOF SECONDARY STRUCTURAL MEMBERS. THE ROC CURB SUB-FRAINING IS LEVEL WITH THE SECONDARY STRUCTURAL MEMBERS. REFER TO THE DETAILS FOR PRO JAMB LOCATIONS AND DIMENSIONS.

ACCORDINGLY TO ALLOW THE CURB SYSTEM TO FLOAT WITH THE ROOF DURING THERMAL EXPANSION AND CONTRACTION. ROOF CURBS SHALL NOT SPAN THE RIDGE OF A BUILDING.

NISUATION IS RECOMMENDED TO BE USED IN AUL ROOF APPLICATIONS TO AVOID PROBLEMS WITH COMENSATION FORMING ON THE UNDERSIDE OF THE SEETING. THIS ALSO PROVIDES A UPPERENTEMENT THE PRULINES AND THE ROOF TO ELIMINATE NOISE MAD POSSIBLE DAMAGED UP TO METAL-TOMETAL CONTACT. NOISE REDUCING FOM TAPE CAN BE SUPPLIED FOR USE IN LIMITED APPLICATIONS (CANOPES, ETC.) WHEN INCLUDED AS PART OF THE RO ORDER. REFERT TO THE DETAILS FOR FOM TAPE REQUERIEMENTS.

PAINTE DOOF PAINTES STANDIG SEAN ROOF PAINES ARE OFTEN PROVIDED BY MBS. IN THIS CASE, GUTTER BRACKETS AND ONTSIDE CLOSURES WILL BE PAINTED TO MATCH THE ROOF COLOR AS A STANDARD. MASTIC APPLICATION

THE SERVICE AT A SERVICE AND A

WHEN OVERWIGHT TEMPERATURES FALL BELOW FREEZING, THE MASTIC SHOLLD BE STORED IN A HEATED ROOM SO IT WILL BE WHARE HEALIGHT TO USE THE FOLLOWING DAY. ON HOT DAYS, THE MASTIC CARTONS SHOLLD BE STORED CYF THE ROOF IN A COOL AND SHADED AREA. WHILE ON THE ROOF, MASTIC ROLLS SHOULD BE KEPT SHADED UNTIL ACTUAL USE.

IN VERY COLD WEATHER, IT IS RECOMMENDED THAT THE FASTENESS BE TIGHTENED SLOWLY AND ONLY TIGHT ENOUGH THAT THE MASTIC IS IN ALL CONTLOC WITH THE PANEL OR FLASHING. THEN ON THE MEET SUMPY DAY COMPLETE THE TIGHTENING PROCESS AFTER THE SUM WARMS THE PANEL AND FLASHING SURFACES.

CONTAINATION TO SISSIER FORCER ADHESION AND SEALING, THE MISTIC MUST HAVE COMPLETE CONTACT WITH ADJOINING SURFACES, CONTAINMANTS SUCH AS WATER OIL, DIRT AND DUST PREVENT SUCH CONTACT. THE PANEL AND FLANING SURFACES MUST ED RYM AND THROUGHLY CLAUGHD CALL LOOT MAINTING BEFORE PREVING TRAI MISTIC, THE MUSTIC SHOLLD BE CHECKED FOR CONTAINMANTS. IF THE MISTIC SURFACES ARE CONTAINMATED, MUST NOT EN LISSI.

DURING COOL WEATHER, CONDENSATION OR LIGHT MIST CAN ACCUMULATE ON THE PANEL AND FLASHING SURF/ AND NOT BE EASLY NOTICED. IT IS RECOMMENDED THAT THE MASTICS ALWAYS BE KEPT UNDER PROTECTIVE CO AND THAT THE PANEL AND FLASHING SURFACES BE WIPED ORY IMMEDIATELY BEFORE INSTALLATION.

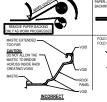
TARE MARTIC IS PROVIDED WITH A PROTECTIVE PAPER TO REDUCE CONTAMINATION. INCOMPLETE REMOVAL OF TO PROTECTIVE PAPER WILL PROVENT THE MARTICA ADVISION TO THE PAPER, OR ASIANIS SUBPRICES, AUMIN'S CHE THAT THE PROTECTIVE PAPER IS COMPLETELY REMOVED. DO NOT REMOVE THE PROTECTIVE PAPER UNTIL IMMEDIATELY BEFORE THE PANEL OR FLASHING IS INSTALLED OVER THE MASTIC.

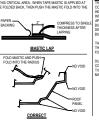
TO ASSIGNE PROPER COMPRESSION AND SAYL. THE TAYE MATIC MUST BE COMPRESSED BETWEEN THE PWAL HAN TRAINING SUFFACE WITH FIN NO UNDERVOIT PRESSINGE. TWO STOCKES THE REQUIRE PRESSINGE IS APPLIED B THE CAMPING ACTION OF SOCIESTING PULLING THE AUXIONING SUFFACES TOGETHER. HOWEVER, THE TAPE SEALANT RESISTANCE TO PRESSURE BECOMES GRATER IN COLD WRATHER BURNING COLD WRATHER, THE FASTENEISE NUST BE TOHTING SLOWLY TO ALLOW THE MASTIC THE TO COMPRESS.

IF THE MISTERER ARE: TRAINEDED TOOTAST, THE FASTERER MAY STARF UIT BEFORE THE MASTIC COMPRESSES ADECUATE: YOU THE MARE: OR FUSION MAY DEPOND THE MARE MAY STARF UIT BEFORE THE MASTIC COMPRESSES. ADECUATE: YOU THE MARE: OR FUSION MAY DEPOND THE MARE MAY STARF COMPRESSES.

INDIDE COMPLEX AN INSIGE RANDUS, SUCH AS WHERE THE PAREL FLAT MEETS A RB, IS USUALLY THE MOST CRITICAL AREA TO SEAL COMMON MISTAKE FOR THE INSTALLER IS TO BRIDGE THE MASTIC ACROSS THE INSIDE RADIUS. WHEN THE LAPPING PAREL OR FLASHING IS PUSHED INTO PLACE, THE BRIDGED MASTIC IS STRETCHED AND THINN

THE MISTIC MAY THEN BE TOO THIN TO ADEQUATELY SEAL THIS CRITICAL AREA. WHEN TAPE MASTIC IS APPLIES AN INSIDE RADIUS, IT IS RECOMMENDED THAT THE MASTIC BE FOLDED BACK, THEN PUSH THE MASTIC FOLD INTO RADIUS.





ERECTORS RESPONSIBILITY

SULATIONS SQUATIONS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ACT, LOCAL, STATE, AND/OR FEDERAL EXOLES SHOULD BE ADHERED TO AT ALL TIMES. MIS IS NOT RESPONSIBLE FOR INJURY, DAMAGE, OR FAILURE HICH MAY BE THE RESULT FROM FAILING TO MEET ANY OF THESE REGULATIONS.

CARPLANCE WITH THE HAZARD COMMUNICATION RILE 1910-120, MATERIAL SAFETY DATA SHEETS (MSDS) HAVE IN PROVIDED FOR YOUR USE AND SAFETY. THESE DATA SHEETS SHOLD BE MADE AVAILABLE TO ALL PRESONN TO COME INCOMTACTI WITH THESE PROJUCTS. THESE DATA SHEETES NILL CIPTO FOR THE NOESSAFY SMANTON TO PROPERLY HANGLE SUCH MATERIAL SAND WAAT TO DO IN CASE OF ANEMERGENCY. (THE MSDS ETE SAFE LOCATED OWNER MON REA AVAILABLE LEVOR RESUST).

HE ERECTOR OF THE ROOF SYSTEM IS RESPONSIBLE FOR THE SAFE EXECUTION OF THIS DETAIL. THESE STRUCTIONS ARE INTENDED TO DESCRIBE THE SEQUENCE AND PROFER PLACEMENT OF PARTS. THEY ARE NOT THEORID TO PRESENCE COMPREHENSEN EXPERTY PROCEDURES. THE PROCEDURES THIS STRULA ARE BELEVED DER RELIABLE. HOWEVER, MIS SMALL NOT BE RESPONSIBLE FOR N.U.RY, DAMAGE, OR FALLIBE DUE TO THE SAPULATION OF THESE PROCEDURES. MINORER PROCEPTIONES THEORIES (RESIDE

G AND WORKING ON ROOF PARELS PLACE BUNKLES OF PARELS ON THE ROOF STRUCTURE WITHOUT FRST VERIFYING THE STRUCTURE WILL SUPPORT THE CONCENTRATE DIVERGHT OF THE PARELS AND THE WEIGHT OF THE INSTALLATION CREW. OOF STRUCTURES MAY NOT BE DESIGNED TO SUPPORT THE WEIGHT OF A FULL PAREL BUNDLE WITHOUT

OT USE A ROOF PANEL AS A WORKING PLATFORM. AN UNSECURED PANEL COULD COLLAPSE UNDER THE HIT OF A PERSON STANDING BETWEEN PURLINS OR AT THE PANEL END.

NOT WALK ON THE LAST INSTALLED PANEL RIN, AS THE UNSECURED EDGE COULD COLLAPSE UNDER A PERSON (GIT: WISH NISTALLING CLIPS OR MAXING END LAP CONNECTIONS, ETC., STAND WHERE THE ROOF STRUCTURAL L SUPPORT YOUR WEIGHT.

UPPROVED AND SAFE WALKING PLATFORM SHOULD BE USED IN HIGH TRAFFIC AREAS TO PREVENT THE ROOF LE FROM BEING BEFORMED, SCRATCHED, OR SCUFFED. ETY EQUIPMENT

THE USE OF SAFETY EQUIPMENT FOR THE ROOF PANEL INSTALLATION IS RECOMMENDED AT ALL TIMES DURING TH STALLATION ROOSES HOWEVER, MULTIONISING LAWARDED ENSIRE THAT THE ACLASH BET HOOKS AND WIRE SABLES ARE COVERED IN SUCH A MANNER THAT THEY WILL NOT SCRATCH THE PANEL SURFACE IF ACCIDENTALLY RRAGED ALONG THE PANEL.

CREW 302E THE LENGTH OF THE INDIVIDUAL ROOF PANELS SHOULD BE CONSIDERED WHEN DETERMINING CREW SIZE. IT IS RECOMMENDED THAT UNDER NORMAL CONDITIONS, THERE BE ONE PERSON FOR EVERY TEN FEET OF PANEL LENC PLUS ONE.

ELOTENTAME. IN STAND ON THE END OF UNSUPPORTED (CANTLEVERED) PANELS AT THE EAVE OR RIDGE. STANDING ON THE TILEVER PORTION MAY RESULT IN PANEL COLLAPSE.

IPROFEXTLY SUPPORTED BY THE STRUCTURAL STEEL, PANELS ARE DESIGNED TO SUPPORT UNFORM LOADS, I ARE EVENLY DISTRBUTED OVER THE PANEL SURFACES. POINT LOADS THAT OCCUR IN SMALL OR ENTITATED AREA, SUCH AS HEAVY FOUNDANT, LADDER, OR PLATFORM FEET, ETC., MAY CAUSE PANEL RMATION OR EVEN PANEL COLLAPSE.

CK SURFACES NES SURFACES AND STRUCTURAL STEEL SURFACES ARE HARD, SMOOTH, AND NONABSORBENT, WHICH CAUSES SES SURFACES TO BE VERY SLICK WHEN WET OR COVERED WITH SNOW OR ICE. EVEN BLOWING SAND OR HAN ST CAN IMACE THESE SURFACES DETFOLUT TO YMALK NO WITHOUT SHEPING.

PAINTED PAINEL SURFACES ARE OFTEN COATED WITH OIL TO ACCOMMODATE THE PAINEL FABRICATION PROCES NOUSH DESIGNED TO WISH AIMY OR EVAPORATE DURING NORMAL MEATHER, THE OL ON NEW PAINELS ON I REMEY SULCE SERVICULT DURING FORGOS OF LIGHT RAN NON DEW. JTOM MUST BE DEROSED TO PROVENT SUPPING AND FALLING ONTO THE ROOF SURFACE OR EVEN SUDID O TORO, INVESTIG PORTINER AS A NECESSITY AND INVESTIG MORKING PATTORNA ERE RECOMMENDED.

EFTERAL CONDUCTANCE THE AVIES ARE ADDRESSED AND ADDRESSED AND ADDRESSED ADDRESSED ADDRESSED ADDRESSED ADDRESSED ADDRESSED ADDRESSED TALE ANNELS AND ADDRESSED ANDRESSED ADDRESSED ADDRESSE

FALSE SECURITY OF INSULATION BLUNKET AND RIGID BOARD INSULATION BLOCK THE INSTALLER'S VIEW OF THE GROUND BELOW THE ROOF. SERI INJURY CAN OCCURINGENT THE INSULATION. GROUND AND STEPS THROUGH THE INSULATION.

INDEEDESS OF PANELS AND FLASHING ARE RAZOR SHARP AND CAN CAUSE SEVERE CUTS IF PROPER PROTECTIVE IND GEAR IS NOT WORK. BE CAREFUL NOT TO INJURE OTHERS WHILE MOVING PANELS AND FLASHING.

SUPPORTS FOR THE ROOF STRIEM SHALL BE PROVIDED AND ARE REQUIRED AS SHOWIN IN THE SECTIONS AND AS NOTED IN THESE SPECIFICATIONS. ALL NECSSARY OF CHARACE DIMENSIONE FOR PROPER LEVENTIONS RELATIVE T THE ROOF PANELS HAVE BEEN SHOWN. THE ERECTOR SHALL BE RESPONSIBLE FOR COORDINATING THESE DIMENSIONAL REQUIREMENTS WITH OTHER TRADES ASSOCIATED WITH THE BUILDING ROOF SYSTEM.

NE MERICIPAL MUST ES SULLED IN THE ERECTION OF METAL BULLONG SYSTEMS AND RESPONSIBLE FOR DEVELOPMENT MUTHAL ALTO ALTORIEL LOCAL FERDINA AND STATE CONSTRUCTION AND SEFT PROBALIZATIONA ELLERING OBJEN, REGLATIONE AS MULLELA ANT APPEZABLE SEQUERSENTS OF ICOL, NITROAL OB PROPORTINGTISSE AND LITTORIA DEVELOPMENT AND ALTORIA DEVELOPMENT AND ALTORI

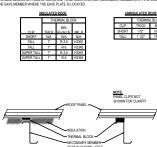
THE ERECTOR OF THE BOOD SYSTEM SHULL DEREVES CRAFT CARE NO ATTENTION TO THE EFFLALS AS OHIVIN ON HERE ENVIRUES TO INSUES A SECRET NO PROFESSION OF THE ADDRESS THE SHULL NOT BE ERESPONDED. OR SUFERVISION AUDOR COORDINATION HE ERECTOR TO THE EFFCTS OF THEMAN. EXPANSION AND HEC CONSERVATION MUST BE CIVEN BY THE ERECTOR TO THE EFFCTS OF THEMAN. EXPANSION AND OTHERCTORY WHERE EXPLORE THAN A DALE STILLS STRUCTURE TO NORFS A SERVICE SECLIDE. ADDRESS THE ADDRESS AND ADDRESS AND

VIRXCIDWWHE RECTING A ROLF III-BIT TO ARE DISTING SINULUME. ID MORE A SVE, SECURE, INSUME IF COMMON, FLORING FOR TEINS FOR SUBMISSION SINULUME SINULUME SAFARTO FIT IF COMMON, FLORING FOR TEINS FOR SUBMISSION SINULUME SAFARTO FIT FEINIL PROVIDED BY MBS. REFER TO THE SECTIONS/DETAILS FOR SPECIFIC MATERIALS PROVIDED BY MBS.



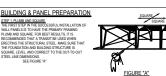
THERMAL BLOCKS ARE USED IN BOTH INSULATED AND UN-INSULATED CONDITIONS. THEY PH THERMAL PERFORMANCE WHERE INSULATION HAS BEEN COMPRESSED AT THE SECONDAR' PANEL. THEY ALSO PROVIDE SUPPORT TO THE PANEL AND REDUCE PANEL FLUTTERING AND IN ANNU ATTO CONDITIONS IN AN UNA TAY CONTRACT AND THE THERMAN DECORDOROUS

UN INSULATED CONDITIONS. UNINSULATED CONDITIONS UTILIZE THERMAL BLOCKS OR FOAM SPACERS THAT I ADHESIVE TO ADHERE TO THE SECONDARY MEMBER TO PREVENT THEM FROM FALLING OUT OF PLACE.



ROOF SYSTEM COMPONENT WITH DETAILING eventor components of the second system of the second system with the second system to be used components with index structures was apprecision that as a components with detailable. The second system of the second system of the second system with the second system of the second syst

IAPHEAGU HE ROOF IS DESIGNED TO ACCOMMIDATE THERMAL EXPANSION AND CONTRACTION AND <u>VILL NOT</u> ACT AS MARRAGN FOR RESISTING LATERAL LOND FORCES OR PROVIDING LATERAL STABILITY TO THE ROOF STRUI EMBERS. DUE CONSIDERATION FOR THIS MUST BE ADDRESSED BY THE PROJECT ENGINEER OF RECORD. DOTTON, THE ROOF SYSTEM, BECQUER IS DESIGNED TO ACUT, VILL NOT SPROFT STRUCTURAL MEMBE



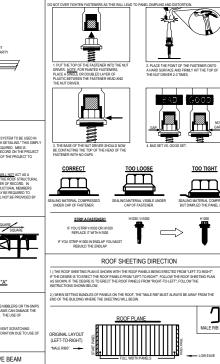
FIELD CUTTING PANELS Internet RED CUTTING CHIEFENG NUL PANELS NON-RENERS CUTTING TOSS SICH AS INBELERS OF TIN-SIN MEL LEISED, ARRANG CUTTING TOSS SISKIN AS ALECONANCIA, GRADESS OR POWER SANS ON ROMAGE THE MITERIAL FINISH AD CREATE DICKS SIE HILL SIN WINGS THAT CAN CORROCE THE FANELS. THE LISE OF MITERIAL FINISH AD CREATE DICKS SIE HILL SIN WINGS THAT CAN CORROCE THE FANELS. THE LISE OF MITERIAL SINUMISTS THAT LISE CORFLICTION WRIGHTING ANY LEIST, SINUMISTS THAT LISE OF CLEARING THAT CAN THE FANEL TO PREVIOUS SCARTCHING MANY CHILL SINUMISTS THAT LISE CORFLICTION WRIGHTING ANY LEIST, SINUMISTS THAT LISE CORFLICTION WRIGHTING MANY CHILL SINUMISTS THAT LISE CORFLICTION WRIGHTING AND THAT LISE CORFLICTION WRIGHTING AND

UDR CURRUSIUM, THE IMMURAUTURER WILL NUT ACCEPT CLAIMS FOR DWWIGEDE TERRURATION DUE TO USE O PPROVED TOOLS.

SPECIAL CONDITION AT A STRONG-BACK EAVE BEAM This project has an eave beam with (2) PURLINS, AS SHOWN, <u>DO NOT</u> ATTACH ROOF CLIPS TO THE "SECOND" AREIN.

AVE REAM AT H





FASTENER INSTALLATION

TOOLS

DENNETIES SET HEN TO MOVER AS DESCRIBED BELOW PRIOR TO INSTALLING FASTENERS TO PREVENT FASTENER WOBBLE SOCKET EXTENSIONS IF OR 17 JACE RECOMMENDED TO BE USED FOR INSTALLING PANEL OLP FASTENERS TO MARTINA VERTICAL FASTENER INSTALLATION. VERSISTEV PRESSINGE ON OLISE OR LL POINT FALURE. LET THE FASTENER DO THE WORK.

16 GAGE WIRE, MAXIMUM CHORD LENGTH = 100' 14 GAGE WIRE, MAXIMUM CHORD LENGTH = 200' 12 GAGE WIRE, MAXIMUM CHORD LENGTH = 300'

MP OR HIGHER RATED TO 10 - 2500 RPM SCREW GUN

ORGIANELLAVOLT UNLE RES⁻ TILL WOTH PARELS 180⁻ - UNLE RES⁻ TILL WOTH PARELS

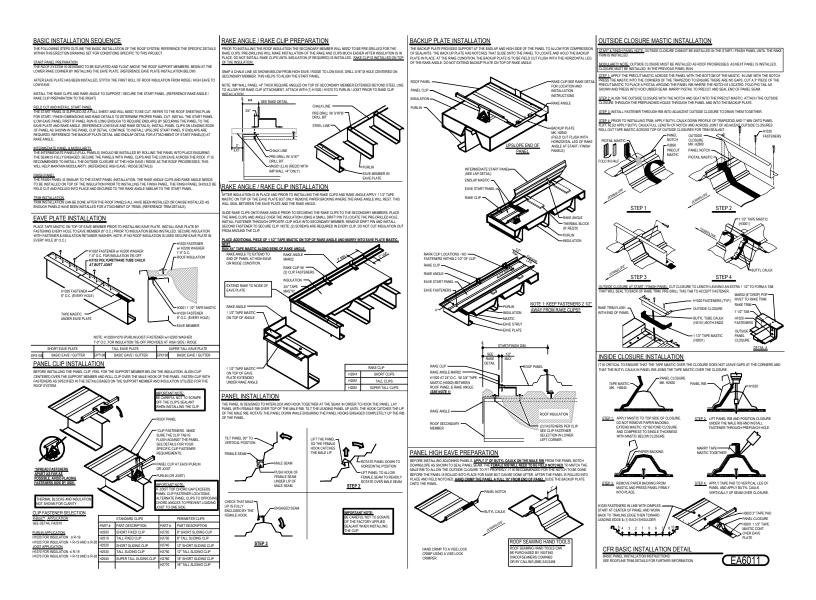
Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.



EA6011 - CFR BASIC PANEL INSTALLATION

Download the DWG file by clicking here.



Detailer Notes:

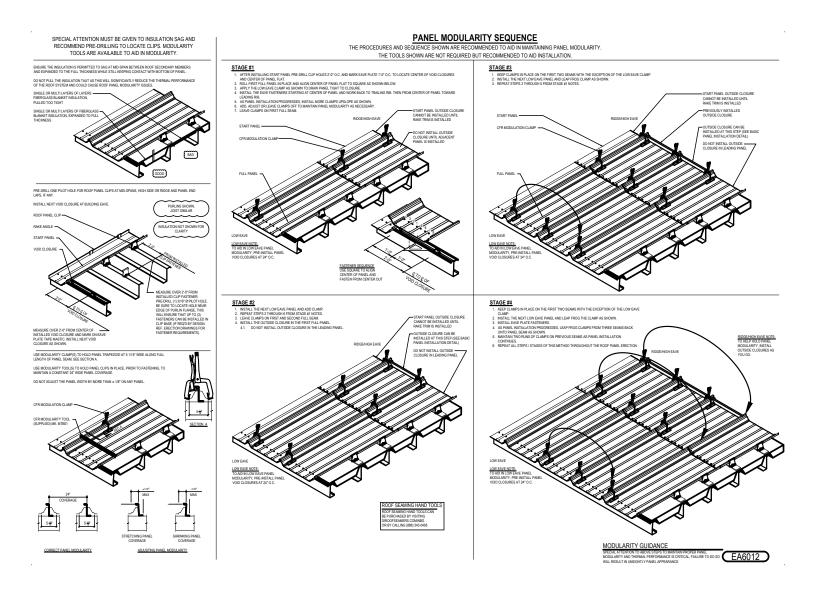
1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.

2) TURN ON THE CORRECT LAYER BASED ON THE SPECIFIC TRAPEZOIDAL PANEL PROFILE AND TURN OFF THE PANEL PROFILES NOT USED.



EA6012 - CFR MODULARITY GUIDANCE

Download the DWG file by clicking here.



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:

INLY ADDRESS THE USE OF THE HAND CRIMPING TOOLS. INSTRUCTIONS FOR D, ARE OUTLINED IN THE SEAMING MANUAL, WHICH IS INCLUDED WITH THE D BY D.I. ROOF SEAMERS.

SPECIALIZED SEAMING AND HAND CRIMPING TOOLS LI ROOF SEAMERS, CAUTION: THESE OF OTHER SEAMING / GUIDS THAT ARE AVAILABLE UNIT I MOULT AND / OR DAMAGED SEAMS AND SHALL INVALIDATE ANY OF THE ROOF SYSTEM'S MATERIAL AND WEATHER TIGHTNESS WARRANTES.

SEAMINE TOOL SOURCE CONTACT DJ. ROOF SEAMERS TO PURCHASE ANY NECESSARY CRIMPING TOOLS AND FOR RENTAL INFORMATION OF THE MECHANICAL SEAMER IF REQUIRED.

VISIT DIROOFSEAMERS.COM/NBG OR CALL (888) 343-0456

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 REQUIREBUTS THER ARE ITHES SEAM TYPES POSSIBLE WITH THE NUCOR OF ROOF AS NOTED BELOW ALL OF THESE SEAM TYPES CAN BE ADRIVED WITH THE AVAILABLE COMPERS, WHEN WEE LOCK AND VISE LOCK AND VISE RECOMMENDED TO REAT A MECHANCE. SEAMER TO AD IN THE SEAMING PROCESS.

NUCOR ROLL LOCKTM (SEE NOTES 1 AND 2 BELOW) NUCOR VISE LOCK^{TR} (SEE NOTES 1, 2 AND 3 BELOW) NUCOR VISE LOCK 360^[R] (SEE NOTES 2 AND 3 BELOW)

NOTE 1 MICCR ROLL LOCK SEAUIS THE MINIMUM REQUIRED BY DESIGN FOR ANY BOOF PLANE. ADDITIONAL SEAMING MAY BE REQUIRED BY THE BUILDER OR ARCHITECT. TI IS THE ERECTORS RESPONSIBILITY TO PERFORM ANY ADDITIONAL CRAINING REQUIRED BY THE BUILDER, ARCHITECT, ETC. ABOVE AND BEYOND THE DESIGN REQUIREMENT OF THE MBS.

NOTE 2 MILTIPLE SEAN TYPES MAY BE REQUIRED BY DESIGN IN DIFFERENT ZONES OF THE ROOF PLANE. REVIEW THE ROOF SEANING PLAN CAREFULLY FOR ROOF PLANE SPECIFIC SEANING REQUIREMENTS.

TEMS REQUIRE MECHANICAL SEAMING. THE BUYER, ARCHITECT, OWNER, ETC. MAY ELECT TO ICALLY SEAMED ROOF. OFTEN, FACTORY MUTUAL RATINGS ALSO REQUIRE A VISE LOCK 360 NICAL SEAM

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

WHEN TO CRIMP AS WORK PROGRESSES, IT SHALL BE THE ERECTORS RESPONSIBILITY TO APPLY THE NUCOR ROLL LOCK HAND CRIMING REQUIREMENTS IN SUCH A WAY AS TO ENSURE THAT THE PANELS HAVE BEEN ADEQUATELY SECURED AT THE COMPLETION OF EACH DAYS WORK.

NUCOR ROLL LOCK SEAMTM





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

PING IS REQUIRED AT THE FOLLOWING LOCATIONS LOW EAVE 16* RIDGE / HIGH SIDE 16" ENDLAP 16" AT CLIPS SINGLE CRIMP

NUCOR VISE LOCK SEAM(R)





THE VISE LOCK SEAM^(R) IS CONTINUOUS FULL LENGTH OF THE PANEL. THE VISE LOCK SEAM CAN BE ACHIEVED BY TWO

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

NUCOR VISE LOCK 360 SEAM(R)

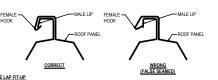




THE VISE LOCK 380 SEAMRD IS CONTINUOUS FULL LENGTH OF THE PANEL. THE VISE LOCK 380RD SEAM CAN BE ACHIEVED BY TWO DIFFERENT METHODS. I. CONTINUELY HAND CRAIMPORT HE SEAM WITH THE VISE LOCK 380 HAND CRAIMPER. THE SEAM NEEDS TO BE HAND CRAIMPED INTO A VISE LOCK SEAM PRIOR TO USING THE VISE LOCK 380 CRAIMPER. 2. MECHANICALLY SEAMING WITH A MICROTRED SEAMER.

Detailer Notes:

CHECK PANEL ASSEMBLY



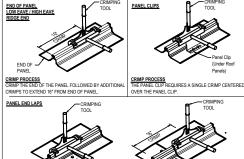
SIDE LAP FIT-UP BEFORE CRIMPING AND / OR SEAMING, INSPECT THE FULL LENGTH OF EACH PANEL SIDE LAP. CHECK THAT THE LIP AT THE MALE BODG OF THE PANEL IS ENCLOSED BY THE HOOK OF THE ADJACENT PANEL'S FEMALE EDGE AS SHOWN IN Intellinge Lobdow The Privace Lobinsource of the Product of the Advancements and the Experiment of the Control of the Control

LIP ALLONMENT BEFORE CRIMEINA AND / OR SEAMING, INSPECT THAT EACH ROOF PANEL CLIP IS PROPERLY ENGAGED IN THE SIDE DEFORE CRIMEINA AND ISIEFACED CLIPS MUST BE CORRECTED BEFORE ATTEMPTING TO CRIMP / SEAMI THE ROOF PANELS, PANEL CLIPS THAT ARE NOT PROPERLY ENGAGED AND ALCHED CAN CAUSE FAULTY CRIMP / SEAMI AND OBJECTIONABLE SEAM APPERANCE. THE MISS NOOD ISOC SLONED CAN CAUSE FAULTY CRIMP / SEAMI AND CONCERNS RELATED TO IMPROPERLY ALIGNED CLIPS.

MANUAL CRIMPING STAND-UP VISE LOCK CRIMPER

SEAM DAMAGE BEAM UNARKSE BEORE CRAIMPIG AND (OR SEAMING, INSPECT THAT EACH ROOF PANEL MALE AND FEMALE ARE FREE FROM SIGTORTION AND KINKS WHICH CAN LEAD TO DIFFICULTY AND/ OR DAMAGE TO THE PANEL WHILE ATTEMPTING TO SIGTORTION AND KINKS WHICH CAN LEAD TO DIFFICULTY AND/ OR DAMAGE TO THE PANEL WHILE ATTEMPTING TO SIMP 'SEAM THE PANEL. ANY DISTORTION / KINKS MUST ECORRECTO BEFORE ATTEMPTING TO COMP SEAM THE PANELS. THE MISS NOR DL ROOF SEAMERS CAN BE HELD RESPONSIBLE FOR ANY CONCERNS RELATED TO MANAGE CAUSED TH FEFTLD.

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

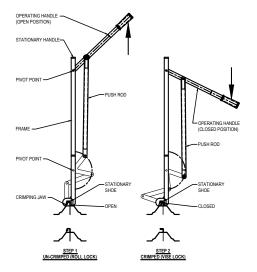




END LAP CRIMP IS TWO STEP POCCESS STEP 1: CONTER THE CRIMP TOOL OVER THE PANEL END LAP FOR THE FIRST CRIMP. STEP 2: THE SECOND CRIMP MIST OVER JAP THE FIRST CRIMP AND EXTEND TO ENSURE THE CRIMP REACHES THE DOWNSLOPE PANEL CLIP. THIS MAY REQUIRE A THIRD CRIMP DEPENDING HOW MUCH OVERLAP WAS DONE.

ROOF SEAMING HAND TOOLS

ROOF SEAMING HAND TOOLS CA BE PURCHASED BY VISITING DIROOFSEAMERS.COM/NBG OR BY CALLING (888) 343-045



THE MANUAL CRIMPING PROCEDURE FOR THE STAND-UP VISE LOCK ORIMPER 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 UTLIZED TO CREATE A CONTINUOUS SEAM BY MARING ADJACENT CRIMPS WITH SUSTOF VORTUP.

TOOL OPERATION

STEP 1 WITH THE HANDLE IN THE UPWARD (OPEN) POSITION, PLACE THE CRIMPER ON THE PANEL RIB. MAKE SURE THE CRIMPER HAD IS COMPLETELY SEATED ON THE TOP OF THE PANEL RIB BEFORE CRIMPING. IT IS CRITICAL THAT THE OPERATING JUNE TOWARD THE HORS SOBE OF THE PANEL AS SHOWN ABOVE. OPERATING THE CRIMPER BACKWARDS ON THE PANEL WILL RESULT IN DAMAGE TO THE PANEL.

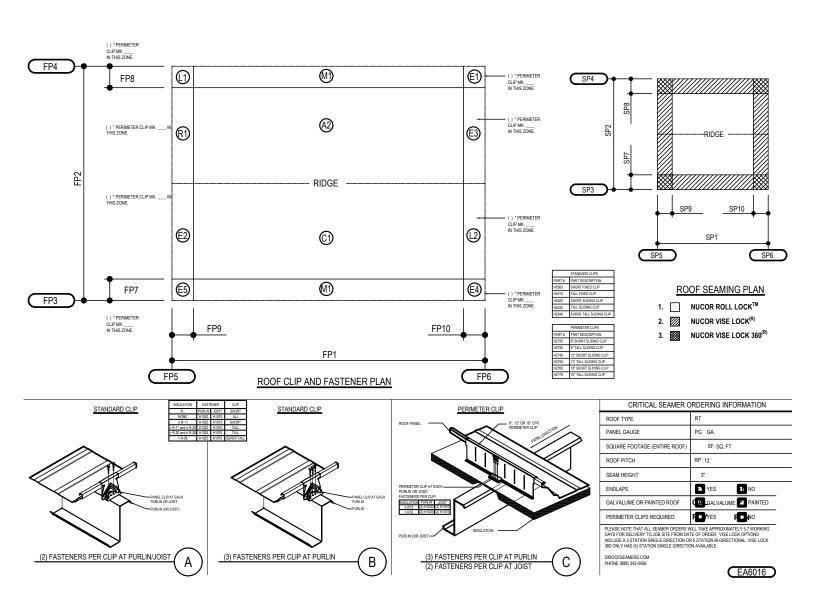
STEP2 PIUSH DOWN ON THE HANDLE UNTIL IT STOPS. RAISE HANDLE TO RELEASE CRIMPER. REPOSITION CRIMPER AS NECESSARY AND REPEAT TO EXTEND THE LENGTH OF THE CRIMP.

CFR HAND CRIMPING NOTES

EA6015



EA6016 - CFR ROOF CLIP & SEAMING PLAN Download the DWG file by clicking here.



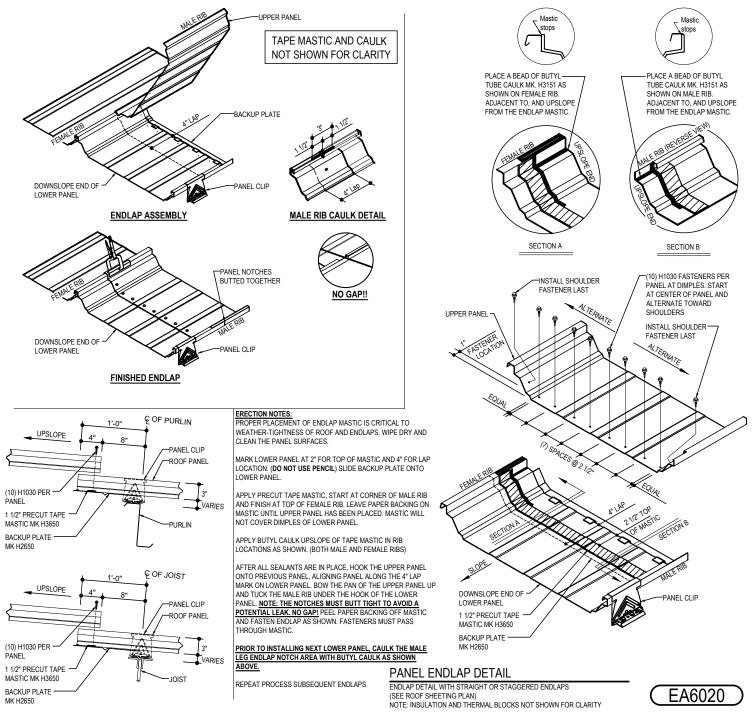
Detailer Notes:

1) THIS DETAIL REQUIRED ON EVERY TRAPEZOIDAL ROOF PROJECT.



EA6020 - CFR PANEL ENDLAP

Download the DWG file by clicking here.



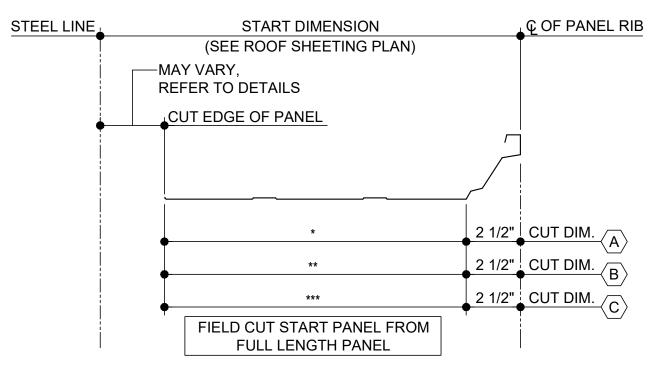
Detailer Notes:

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 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.



Detailer Notes:

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



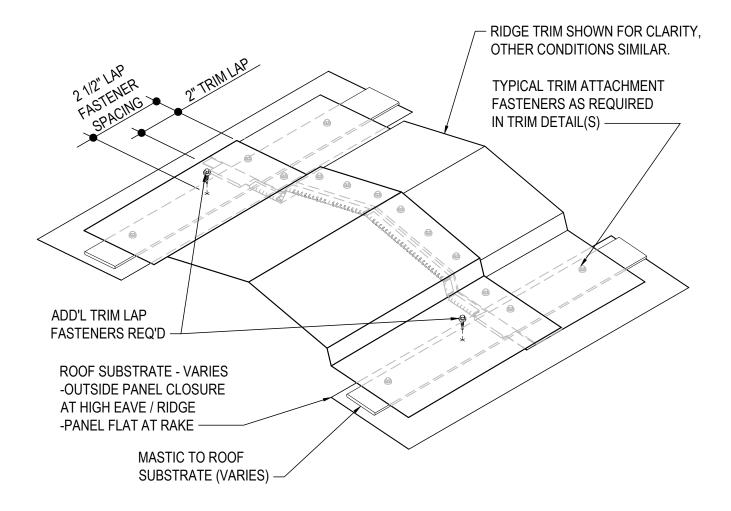
GENERAL DETAILS INSULATED WALL SHEETING

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.



Detailer Notes:

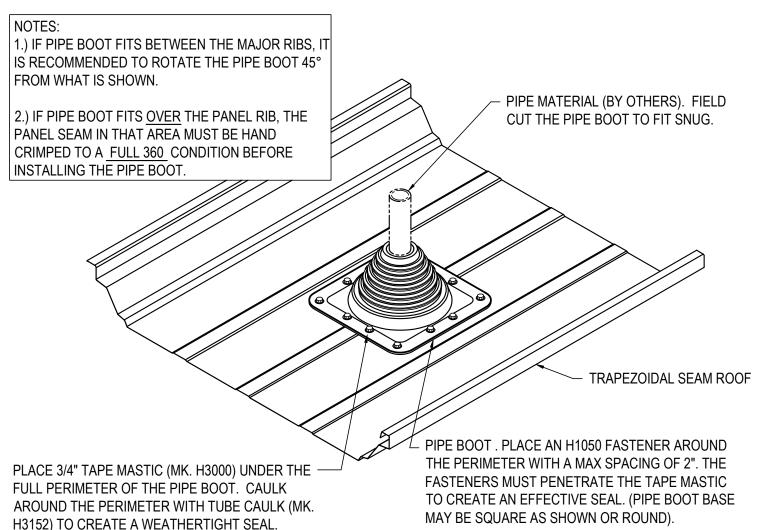
1) THIS DETAIL IS TO BE PROVIDED ON ALL PROJECTS WHERE THERE IS LAPPED ROOF LINE TRIM.

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.



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

Detailer Notes:

1) N/A

(EA6200)