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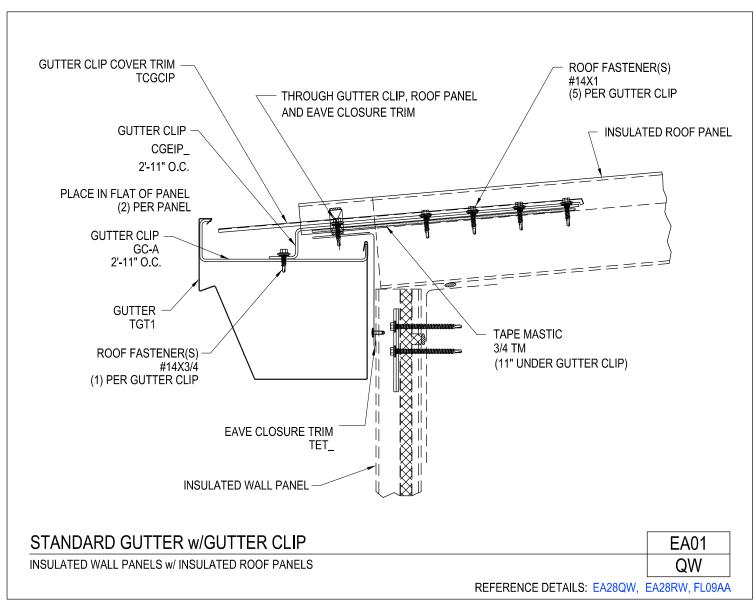
WEA11A/QW, Roof To Wall at High Side



INSULATED HI RIB ROOF PANEL

A NUCOR COMPANY

Standard Gutter w/ Gutter Clip
Insulated Wall Panels w/ Insulated Roof Panels
EA01/QW



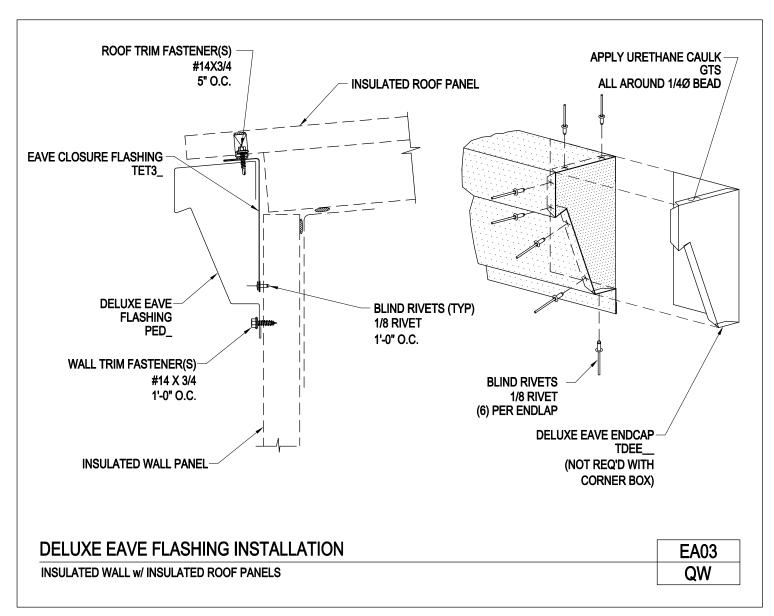
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INSULATED HI RIB ROOF PANEL

A NUCOR COMPANY

Deluxe Eave Flashing Installation at All Roof Slopes Insulated Wall w/ Insulated Roof Panels EA03/QW



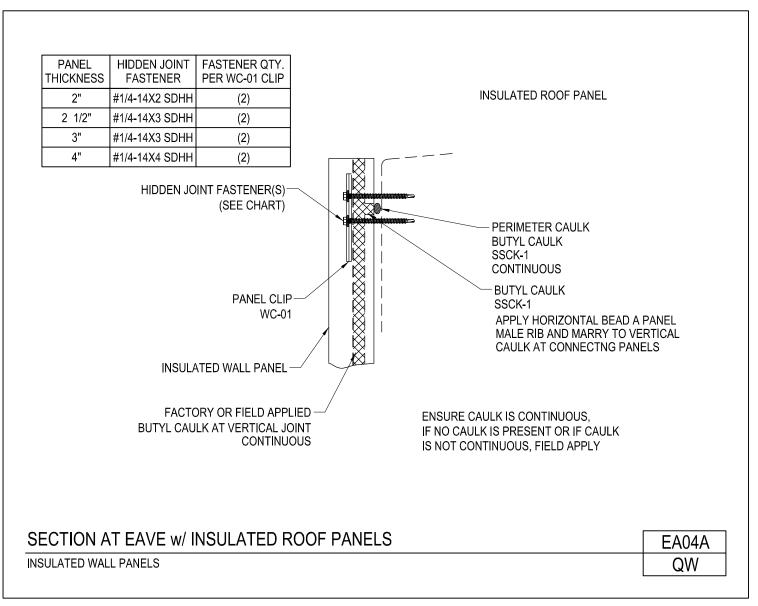
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PRODUCT MANUAL

INSULATED STANDING SEAM ROOF PANEL

A NUCOR COMPANY

Section at Eave w/ Insulated Roof Panels Insulated Wall Panels EA04A/QW



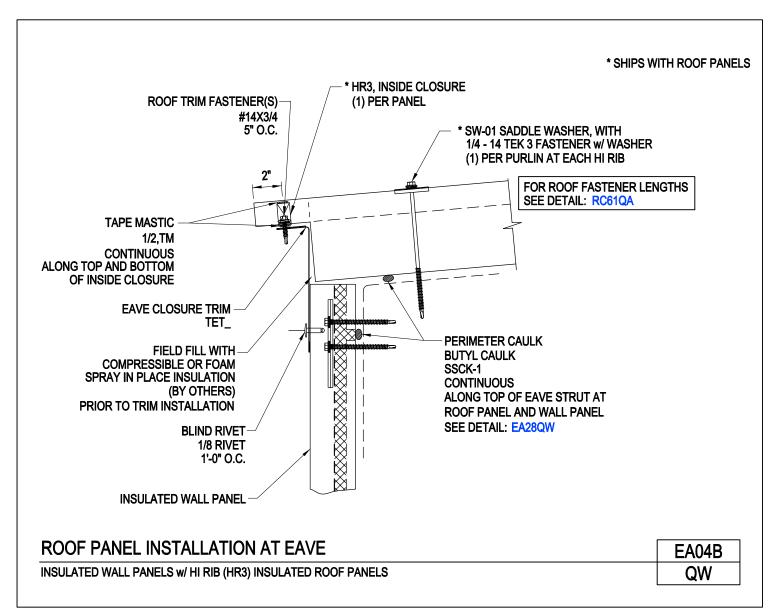
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Roof Panel Installation at Eave Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels EA04B/QW



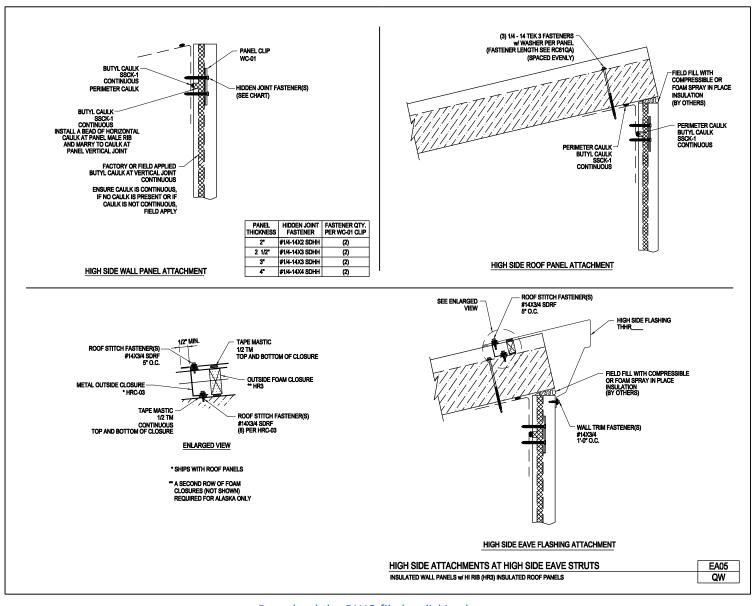
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

High Side Attachments
Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels
EA05/QW



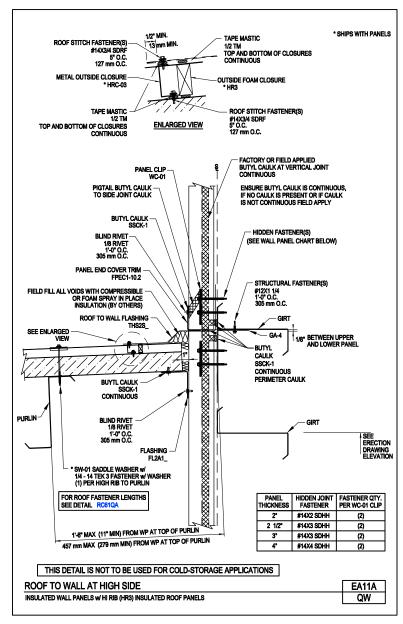
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Roof to Wall at Highside Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels EA11A/QW



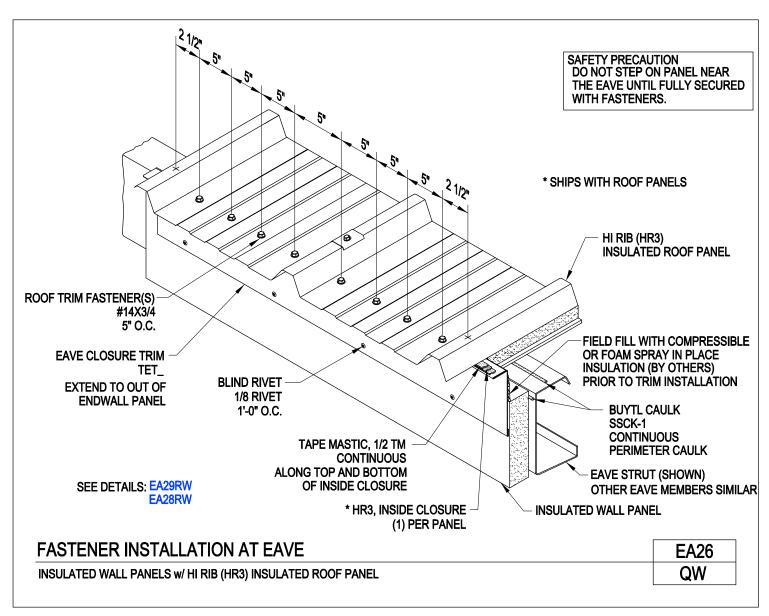
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Fastener Installation at Eave Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels EA26/QW



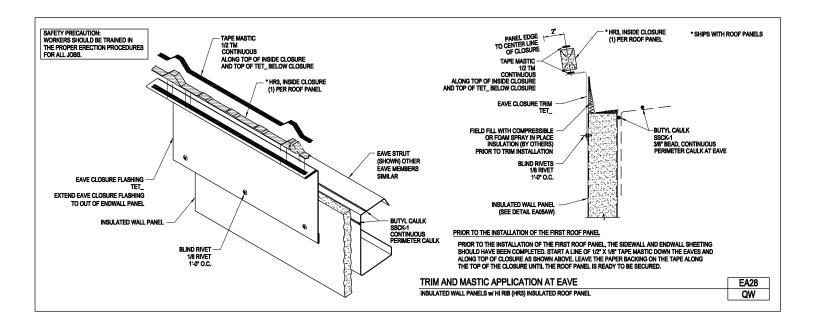
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Trim and Mastic Application at Eave Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels EA28/QW



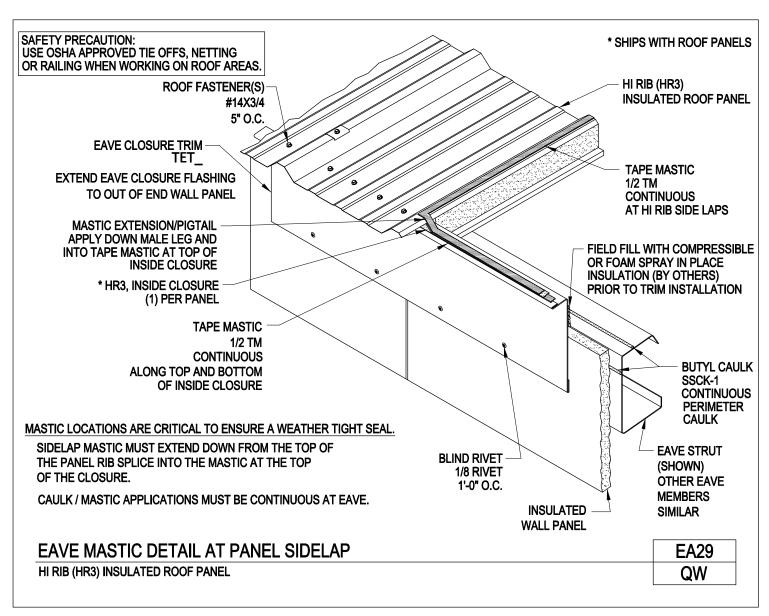
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Eave Mastic Detail at Panel Sidelap Hi Rib (HR3) Insulated Roof Panels EA29/QW



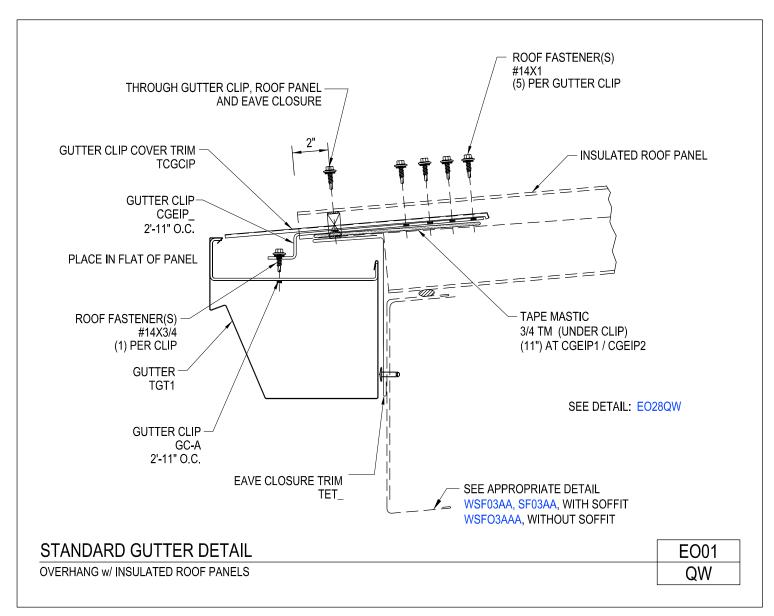
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Standard Gutter Detail Overhang w/ Insulated Roof Panels EO01/QW



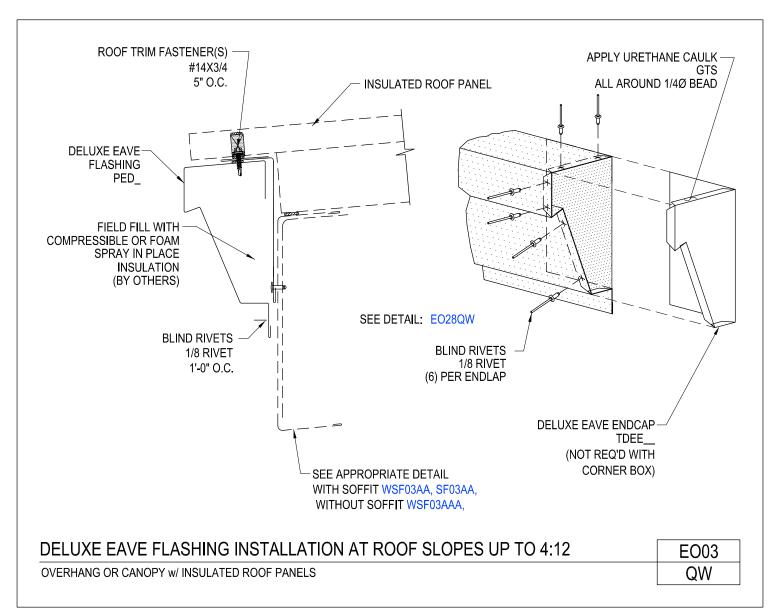
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Deluxe Eave Flashing Installation at All Roof Slopes Overhang w/ Insulated Roof Panels EO03/QW



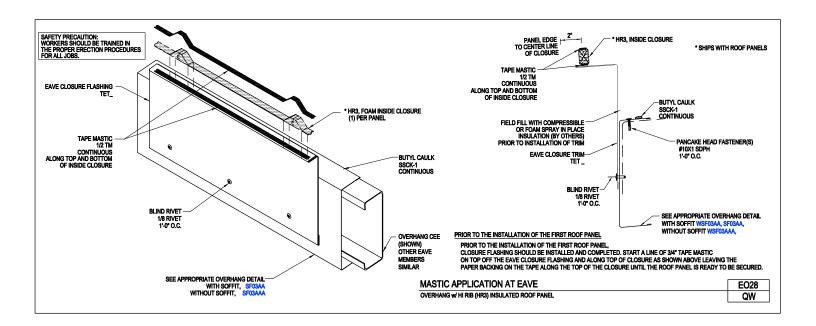
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Mastic Application at Eave Overhang w/ Hi Rib (HR3) Insulated Roof Panel EO28/QW



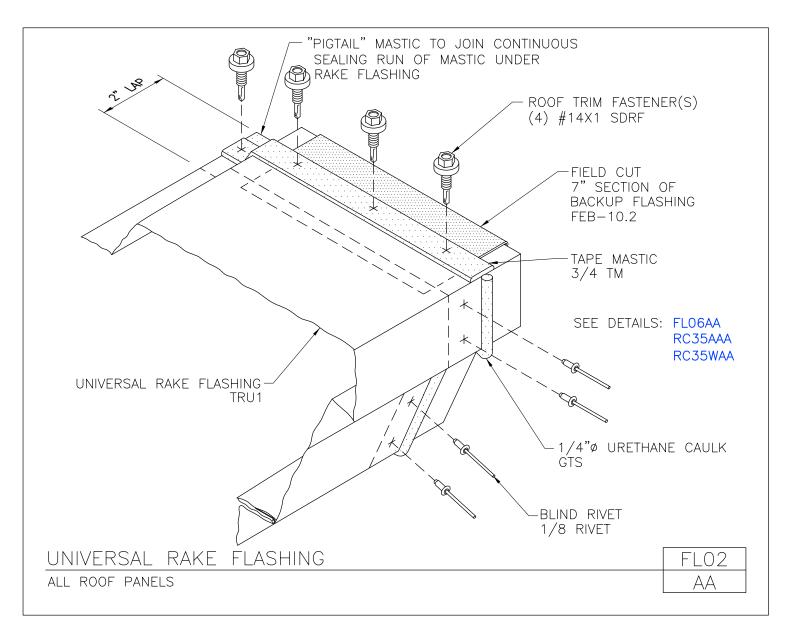
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Universal Rake Flashing All Roof Panels FL02/AA



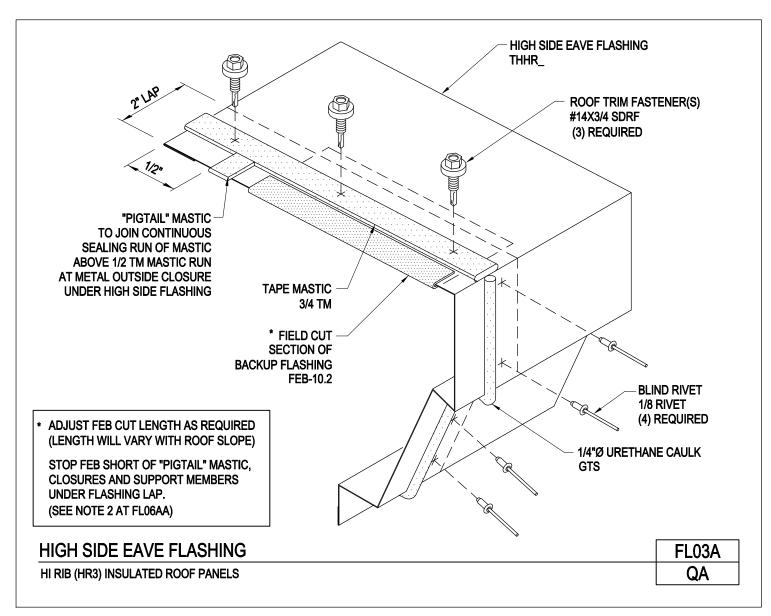
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

High Side Eave Flashing Hi Rib (HR3) Insulated Roof Panels FL03A/QA



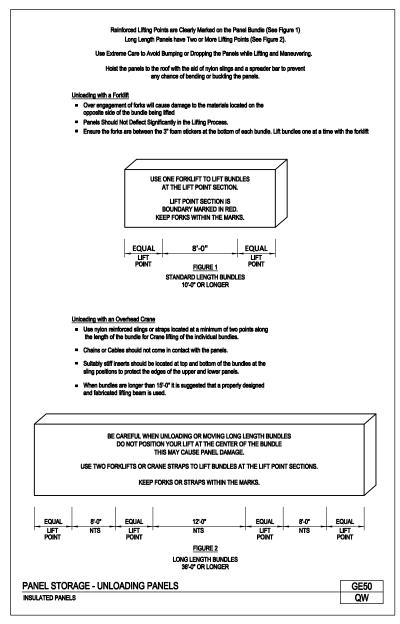
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INSULATED HI RIB ROOF PANELS

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Panel Storage - Unloading Panels Insulated Panels GE50/QW



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INSULATED HI RIB ROOF PANELS

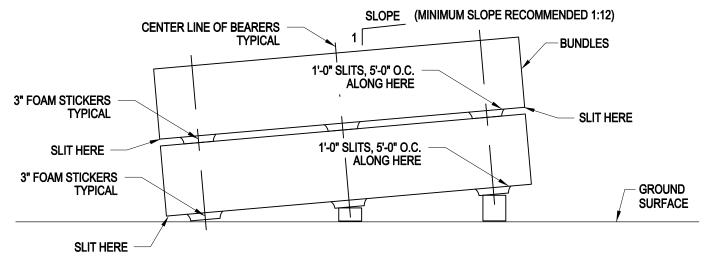
A NUCOR COMPANY

Panel Storage Insulated Panels GE51/WW

CAREFULLY, unload panel bundles and place directly in a protected storage area on a firm, level surface clear of debris, standing water, direct sun and drifting snow and under cover*, for preferrably no more than 30 days.

Stack bundles no more than (2) high with the foam stickers for the upper bundle should be located in line with the foam stickers of the lower bundle. Elevate with wood blocking, to allow air circulation under the bundle and on at least a 1:12 slope so water does not accumulate. Slit plastic wrap at at base to allow air flow. The continuous cut should be made along the width of the bundle and 1'-0" at 5'-0" O.C. along the length of the bundle The addition of a waterproof cover will be required to protect panels from wet weather ans sun exposure during transit.

* Always, store the panels properly in a dry location where they are covered from direct sunlight. Prolonged exposure to direct sunlight will cause the plastic film to bond to the metal panel face. Plastic film that has bonded to the metal surface becomes very difficult to remove.



INSPECT PANELS DAILY

Inspect daily for moisture and insure no sags are present. Trapped moisture can damage the panel finish and void applicable finish warranties. If panel bundles containing moisture or sags should be dried and carefully re-stacked to avoid damage to panels.

Bundles should be firmly tied or weighted down once bundle is broken open.

PANEL STORAGE	GE51
INSULATED PANELS	WW

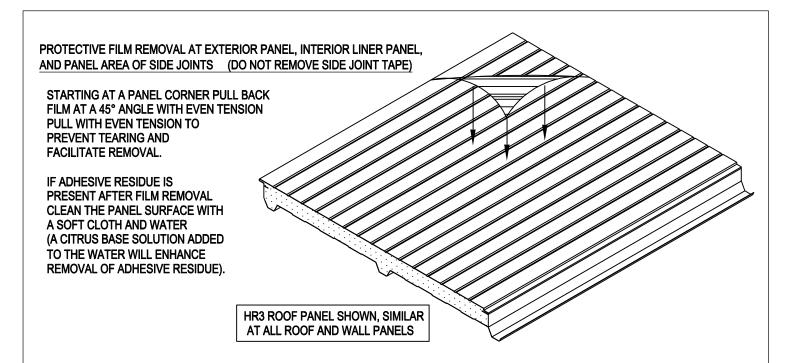
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Removing Protective Film Insulated Panels GE52/QW



DO NOT REMOVE THE PROTECTIVE FILM FROM THE PANEL UNTIL THAT PANEL IS READY FOR INSTALLATION.

INSULATED PANELS TEMPORARY PROTECTIVE PLASTIC FILM KEEPS THE METAL SURFACE CLEAN AND HELP PREVENT DAMAGE IN SHIPPING AND HANDLING.

STORE PANELS PROPERLY IN A DRY LOCATION WHERE THEY ARE COVERED FROM DIRECT SUNLIGHT.

PROTECTIVE PLASTIC FILM IS NOT TO BE EXPOSED TO DIRECT SUNLIGHT FOR MORE THAN 48 HOURS.

PROLONGED EXPOSURE TO DIRECT SUNLIGHT MAY CAUSE THE PLASTIC FILM TO BOND TO THE METAL

PANEL FACE. PROLONGED EXPOSURE TO TEMPERATURES ABOVE 80°F IS NOT RECOMMENDED AS IT

MAY RESULT IN RESIDUAL ADHESION RESIDUE ON THE PANEL FACE.

REMOVING PROTECTIVE FILM	GE52
INSULATED PANELS	QW

Download the DWG file by clicking here.



INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Weather Tightness Requirements Insulated Panels GE54/QW

WEATHER TIGHTNESS REQUIREMENTS

TO PREVENT CONDENSATION ISSUES CARE MUST BE TAKEN BY THE INSULATED PANEL INSTALLER TO ENSURE PROPER SEALING OF THE BUILDING.

NOTE THE FOLLOWING:

- A) ALL MATERIALS MUST BE INSTALLED AS SHOWN ON THE PROVIDED ERECTION DETAILS.
- B) ALL PERIMETER CAULKING AND BUTYL SEALANT APPLICATIONS MUST BE INSTALLED AS AS SHOWN ON THE ERECTION DETAILS.
- C) CONTINUOUS CAULK AND TAPE MASTIC APPLICATIONS (FACTORY OR FIELD) MUST BE CAREFULLY INSPECTED AND ANY VOIDS FOUND MUST BE FIELD APPLIED.
- D) GAPS, VOIDS OR AIR SPACE CREATED AT PANEL TO PANEL TRANSITIONS; AS AT RAKE, LOW EAVE, RIDGE, HIGH SIDE EAVE, ROOF TO WALL OR CORNERS MUST BE FIELD FILLED WITH LOOSE COMPRESSIBLE OR FOAM SPRAY IN PLACE INSULATION (BY OTHERS UNLESS SPECIFICALLY ORDERED AND NOTED ON THE ERECTION DRAWING.

AMERICAN BUILDINGS COMPANY WILL NOT BE RESPONSIBLE FOR ANY CONDENSATION ISSUES THAT MAY OCCUR DUE TO IMPROPER INSTALLATION.

IF THE ERECTOR IS NOT EXPERIENCED WITH THE INSULATED PANELS SUPPLIED BY AMERICAN BUILDINGS COMPANY, IT IS STRONGLY RECOMMENDED THAT A FIELD TECHNICIAN BE ON SITE BEFORE BEGINNING PANEL INSTALLATION. PANEL INSTALLATION. CONTACT YOUR PROJECT COORDINATOR TO REQUEST AND SCHEDULE A FIELD TECHNICIAN.

WEATHER TIGHTNESS REQUIREMENTS	GE54
INSULATED PANELS	QW

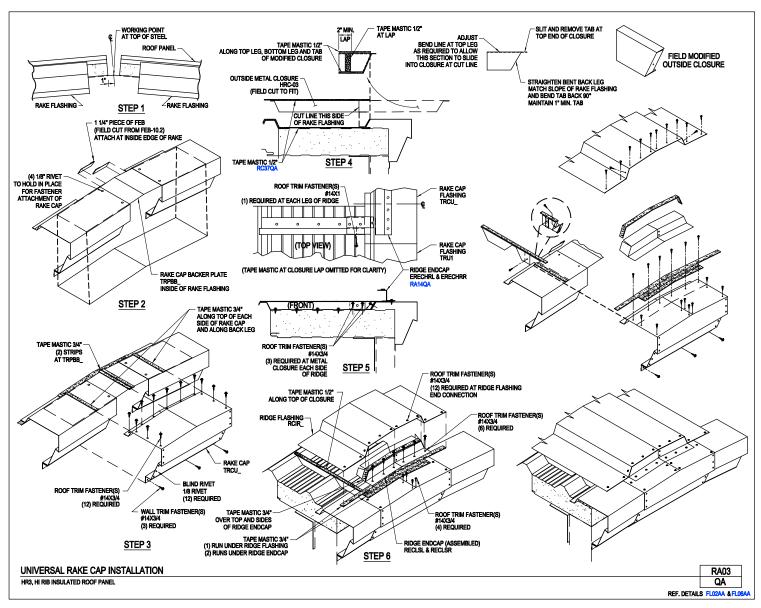
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Universal Rake Cap Installation HR3, Hi Rib Insulated Roof Panel RA03/QA



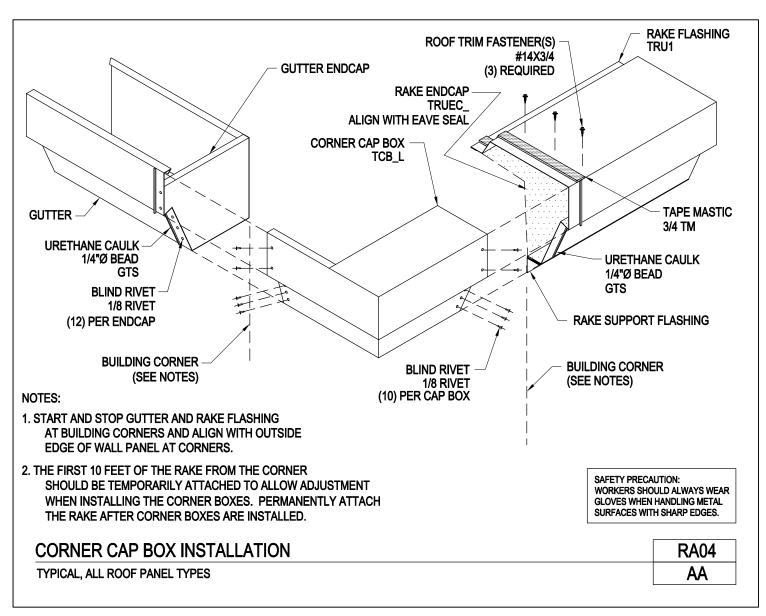
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Corner Cap Box Installation Typical All Roof Panel Types RA04/AA



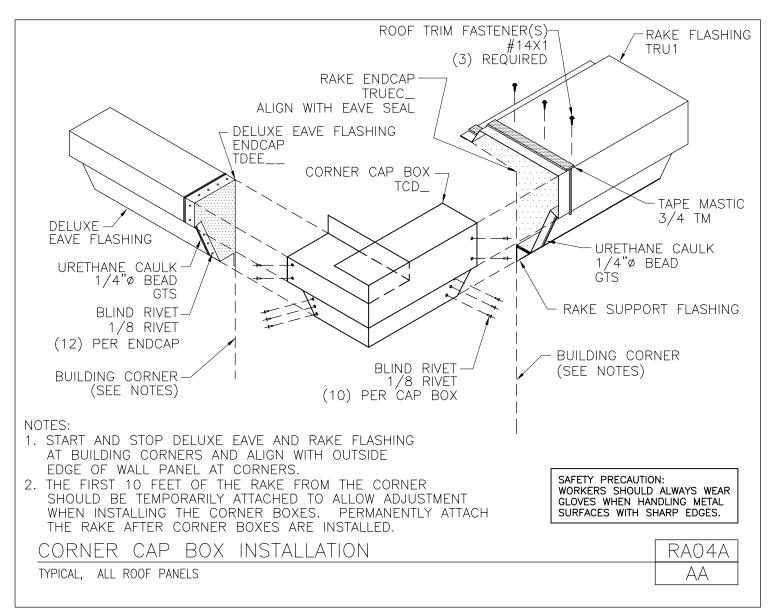
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Corner Cap Box Installation Typical All Roof Panels RA04A/AA



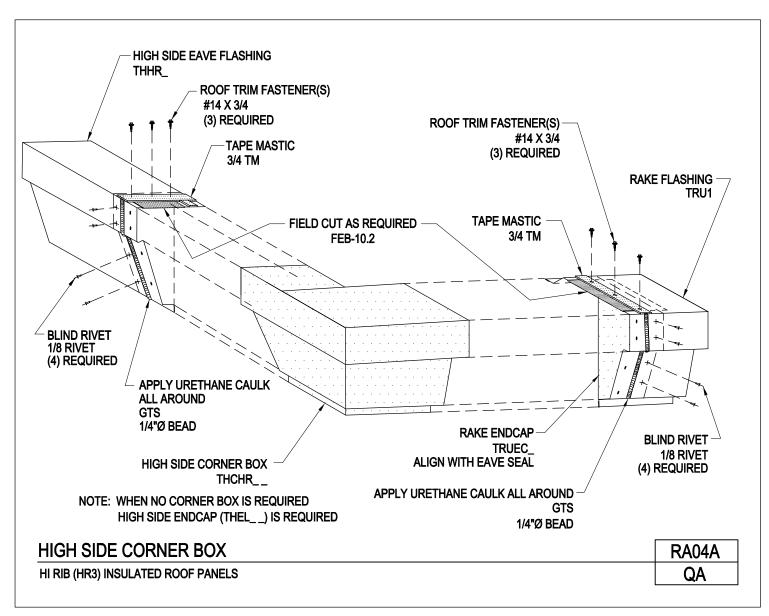
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

High Side Corner Box Hi Rib (HR3) Insulated Roof Panels RA04A/QA



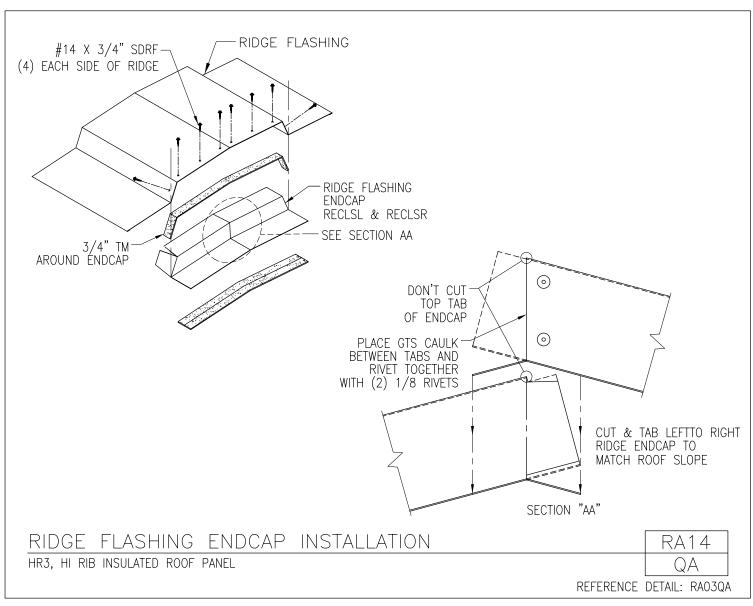
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Ridge Flashing Endcap Installation HR3, Hi Rib Insulated Roof Panel RA14/QA



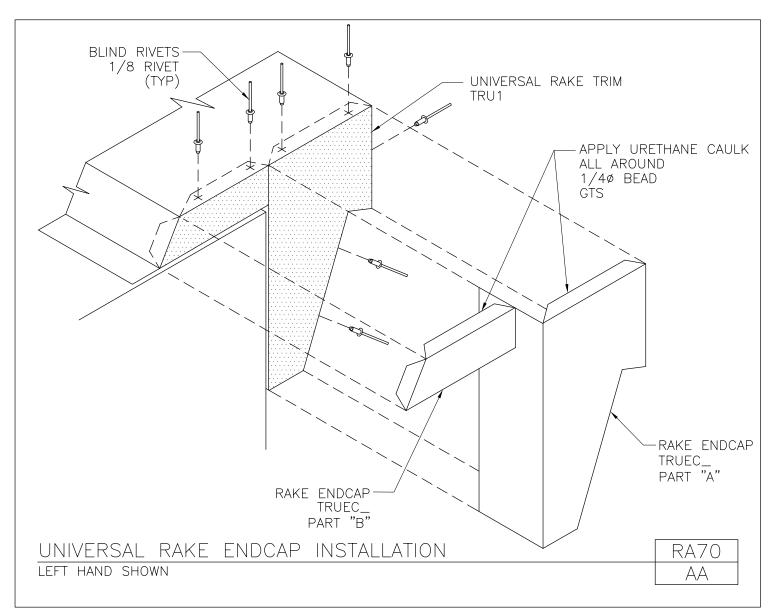
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Universal Rake Endcap Installation Left Hand Shown RA70/AA



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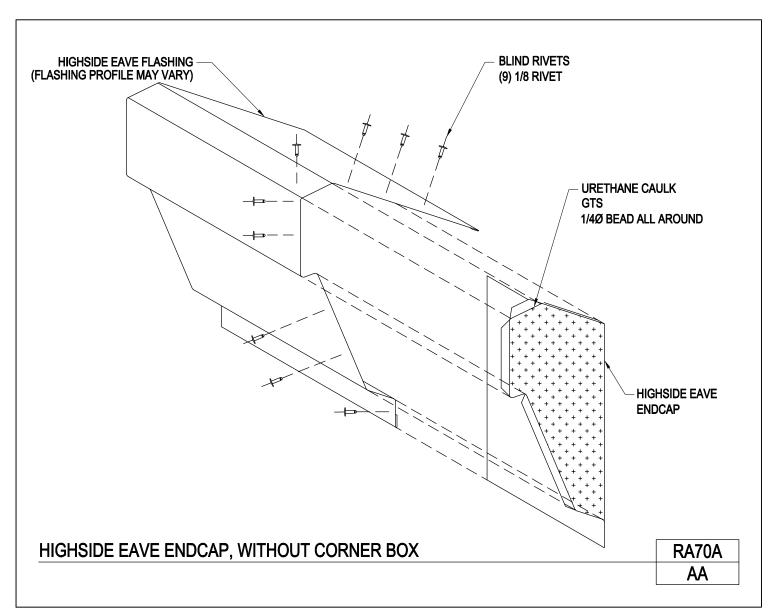


INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Highside Eave Endcap, Without Corner Box

RA70A/AA



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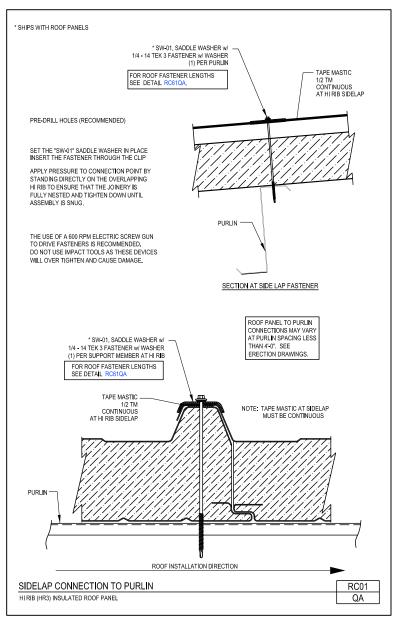


A NUCOR COMPANY

PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

Sidelap Connection to Purlin Hi Rib (HR3) Insulated Roof Panels RC01/QA



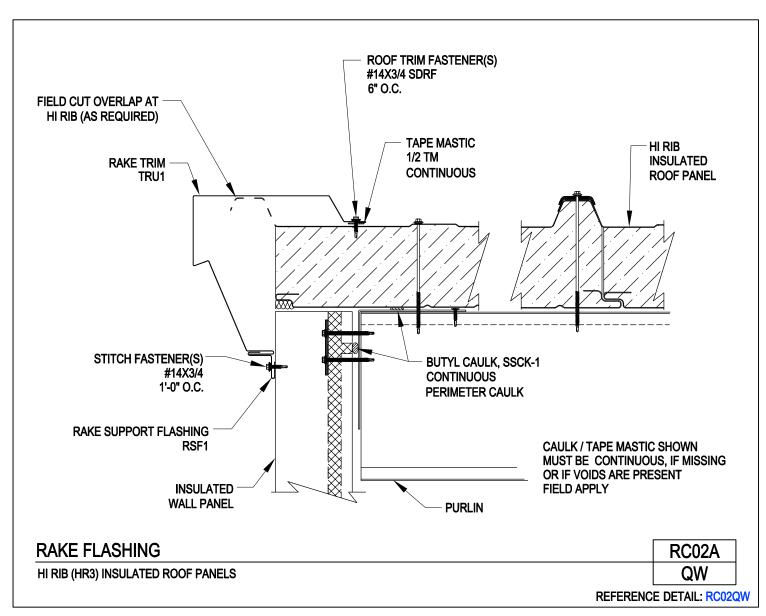
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Rake Flashing Hi Rib (HR3) Insulated Roof Panels RC02A/QW



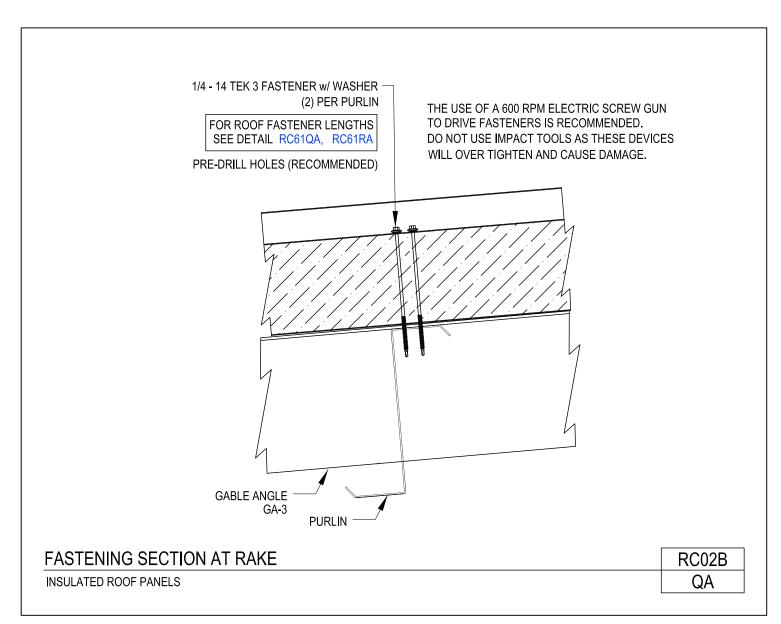
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Fastening Section at Rake Insulated Roof Panels RC02B/QA



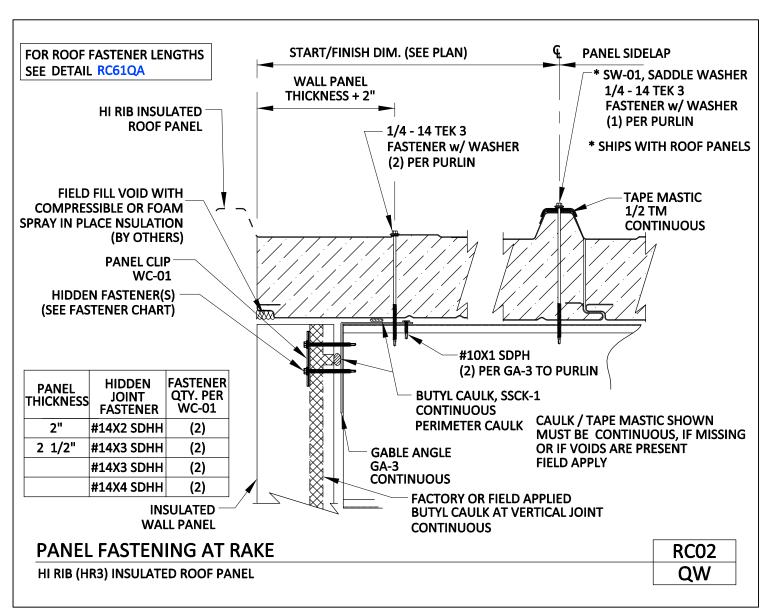
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Panel Fastening at Rake Hi Rib (HR3) Insulated Roof Panels RC02/QW

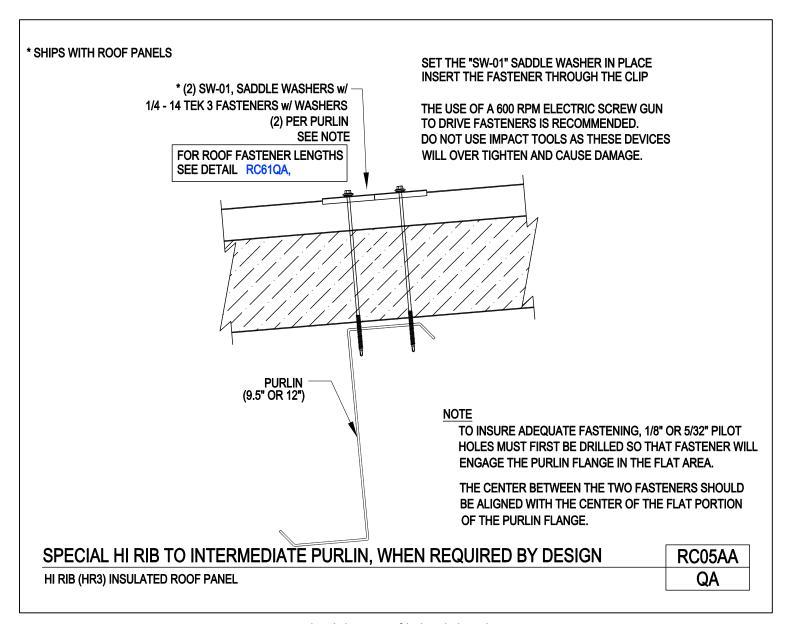


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INSULATED HI RIB ROOF PANELS

Special Hi Rib to Intermediate Hi Rib to Purlin, When Required by Design Hi Rib (HR3) Insulated Roof Panel RC05AA/QA



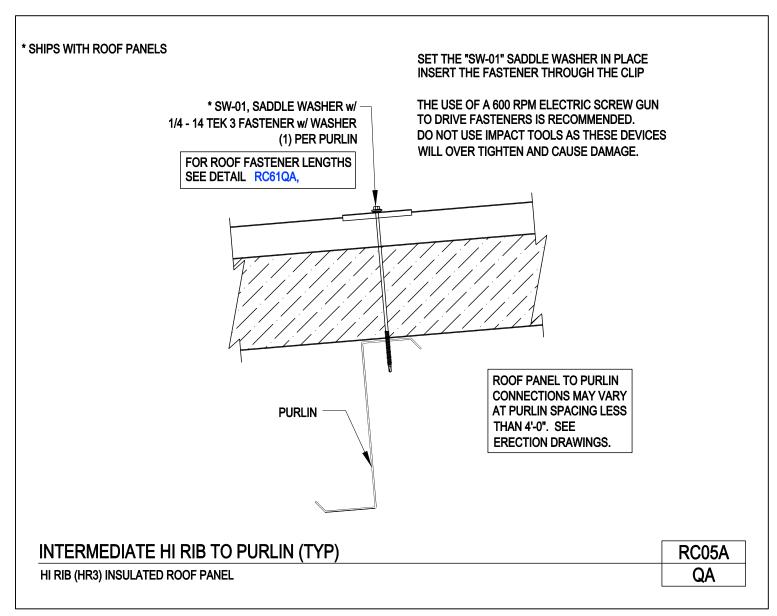
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Intermediate Hi Rib to Purlin (Typ.) Hi Rib (HR3) Insulated Roof Panel RC05A/QA



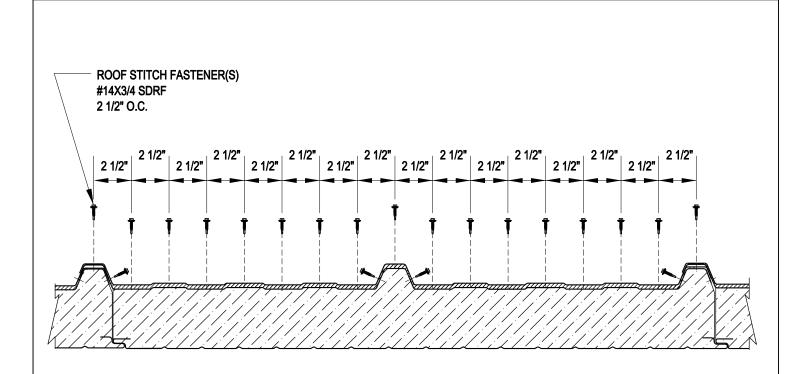
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Stitch Fastening at Panel End Lap Hi Rib (HR3) Insulated Roof Panels RC05B/QA



PANEL END LAP TYPICAL STITCH FASTENER PATTERN

AFTER ALL HI RIB FASTENERS ARE INSTALLED AT CONNECTING PANELS ALONG BOTH SIDELAPS THEN FASTEN DOWN THE END LAP USING STITCH FASTENERS AT 2 1/2" O.C.

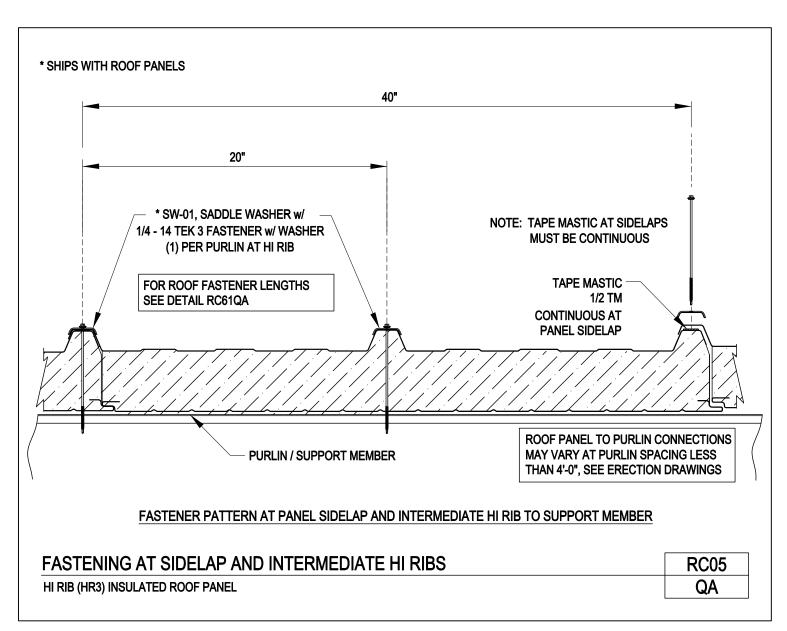
STITCH FASTENING AT PANEL END LAP	RC05B
HI RIB (HR3) INSULATED ROOF PANEL	QA

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INSULATED HI RIB ROOF PANELS

Fastening at Sidelap and Intermediate Hi Ribs Hi Rib (HR3) Insulated Roof Panel RC05/QA



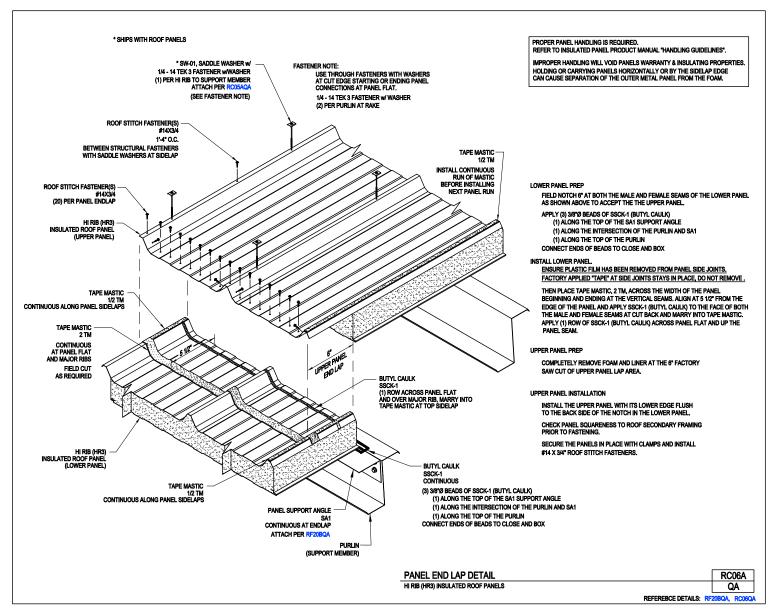
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Panel End Lap Detail Hi Rib (HR3) Insulated Roof Panels RC06A/QA



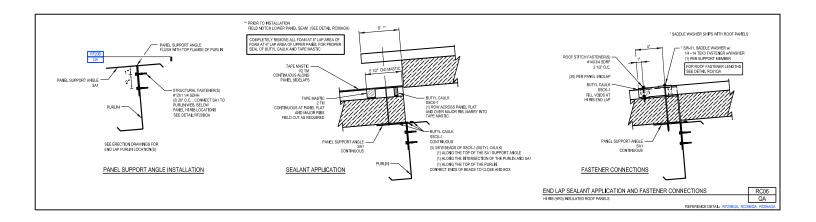
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

End Lap Sealant Application and Fastener Connections Hi Rib (HR3) Insulated Roof Panels RC06/QA



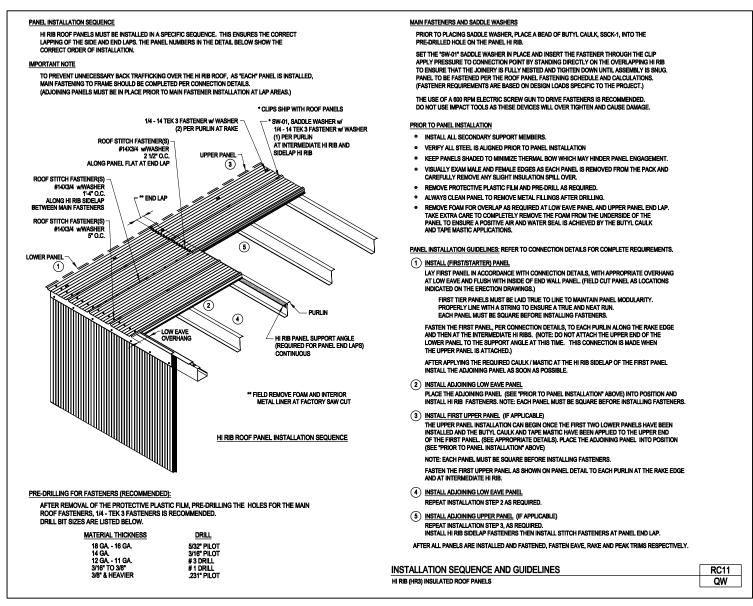
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Installation Sequence and Guidelines Hi Rib (HR3) Insulated Roof Panels RC11/QW



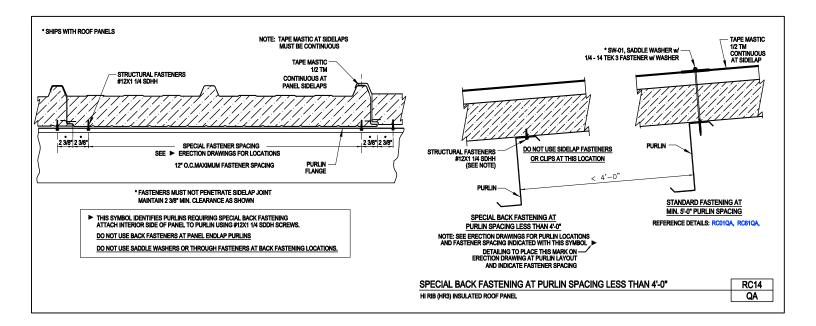
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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Special Back Fastening at Purlin Spacing Less Than 4'-0" Hi Rib (HR3) Insulated Roof Panel RC14/QA

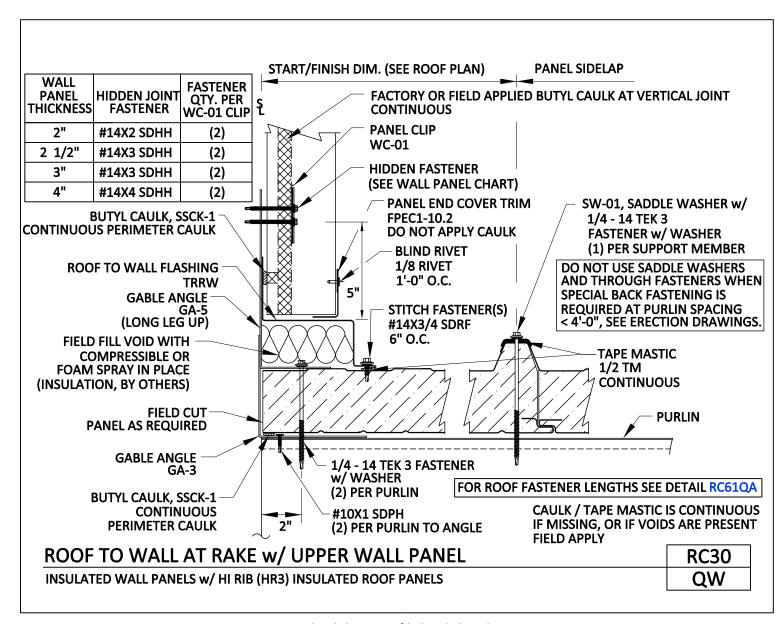


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INSULATED HI RIB ROOF PANELS

Roof to Wall at Rake w/ Upper Wall Panel Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels RC30/QW



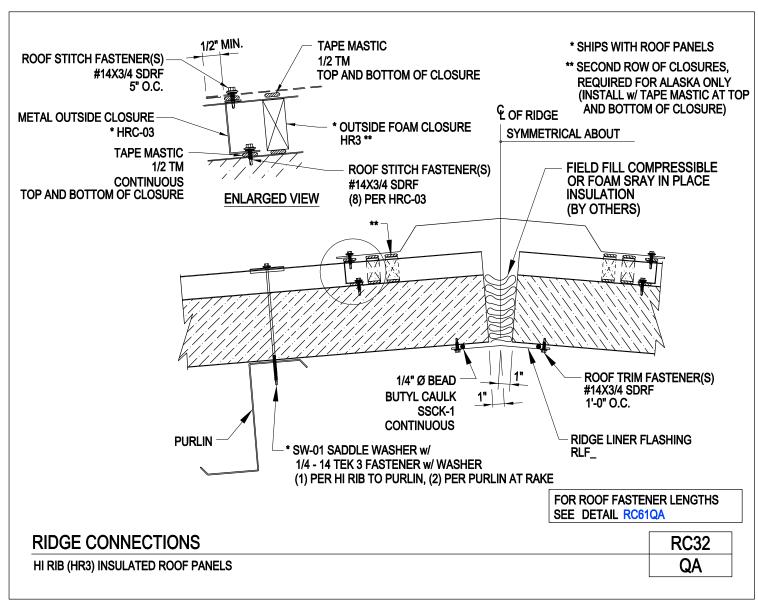
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Ridge Connections Hi Rib (HR3) Insulated Roof Panels RC32/QA



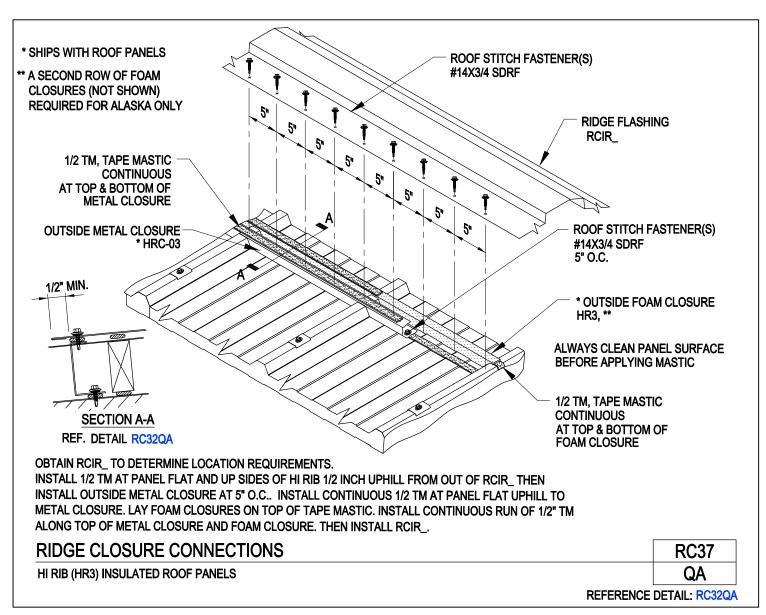
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Ridge Closure Connections Hi Rib (HR3) Insulated Roof Panels RC37/QA



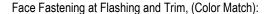
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Basic Fasteners and Fastener Charts Hi Rib (HR3) Insulated Roof Panels RC61/QA









1/8 RIVET 1/8 Blind Rivet

#14X3/4 SDRF #14X1 SDRF Self Drilling, Hex Head w/ Washer with Washer (Premium Fastener)

Structural Fastener(s) SA1, Angle to Purlin:

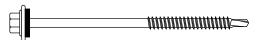


#12X1 1/4 SDHH (TEK3) Self Drilling, Carbon Steel Hex Head Fastener

without Washer (#12X1 1/2SDHHTEK5) Miscellaneous Fastener:



#10X1 SDPH Self Drilling Pan Head Screw



1/4 - 14 TEK 3 Fastener w/ Washer

Self Drilling, Hex Head



* Saddle Washer SW-01

Structural Fastening at Hi Rib (1) each at Hi Rib (Unless Otherwise Noted)		
Roof Panel Thickness	1/4 - 14 TEK 3 Fastener w/ Washer	
2 1/2"	* 1/4 - 14X5 TEK 3 w/ Washer	
4"	* 1/4 - 14X7 TEK 3 w/ Washer	
5"	* 1/4 - 14X8 TEK 3 w/ Washer (See Note)	
6"	* 1/4 - 14X10 TEK 3 w/ Washer (See Note)	

Note: For ease of installation at longer fasteners pre-drill pilot holes



1/4 - 14 TEK 3 Fastener w/ Washer Self Drilling, Hex Head

BASIC FASTENERS AND FASTENER CHARTS

HI RIB (HR3) INSULATED ROOF PANELS

Structural Fastening at Panel Flat (2) per Purlin at Rake (Unless Otherwise Noted)	
Roof Panel Thickness	1/4 - 14 TEK 3 Fastener w/ Washer
2 1/2"	* 1/4 - 14X3 1/2 TEK 3 w/ Washer
4"	* 1/4 - 14X5 TEK 3 w/ Washer
5"	* 1/4 - 14X6 TEK 3 w/ Washer
6"	* 1/4 - 14X7 TEK 3 w/ Washer

RC61 QA

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To Section Index

Revised: 4-25-19 (MR 2019.Q2)

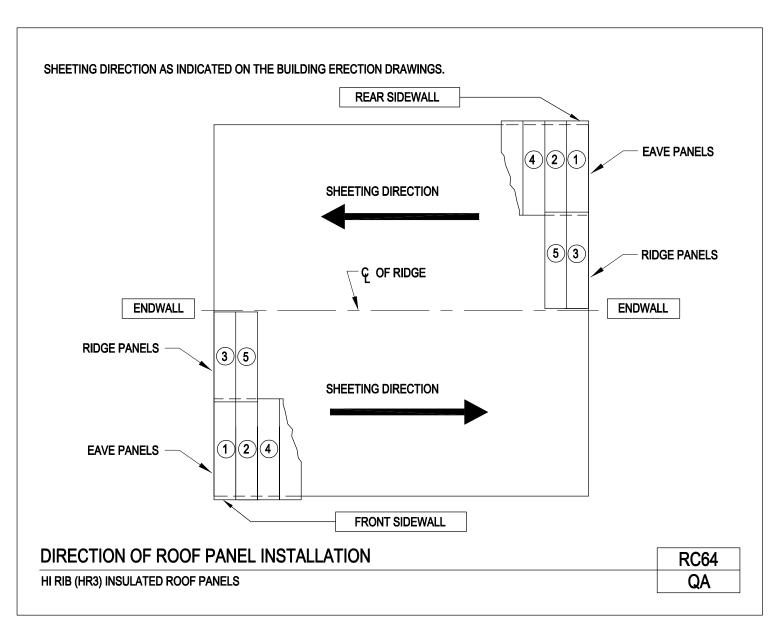
^{*} Ships with Roof Panels

PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Direction of Roof Panel Installation Hi Rib (HR3) Insulated Roof Panels RC64/QA



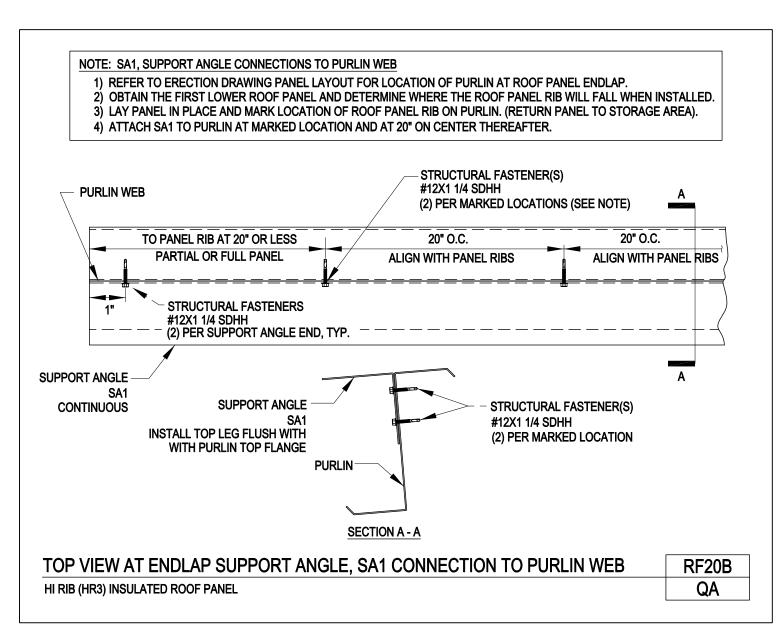
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PRODUCT MANUAL

INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

Top View at Panel Support Angle, SA1 Connection to Purliin Web Hi Rib (HR3) Insulated Roof Panel RF20B/QA



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INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

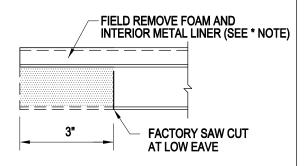
Panel End Prep Insulated Roof Panels RP10/QA

FIELD REMOVE INTERIOR METAL LINER AND ALL FOAM AT FACTORY SAW CUTS

PANEL AT LOW EAVE

INTERIOR METAL LINER FACE AND FOAM INSULATION WILL HAVE A FACTORY SAW CUT AT LOW EAVE LOCATION VARIES FROM END OF PANEL.

● 3" AT ALL ROOF SLOPES



* NOTE:

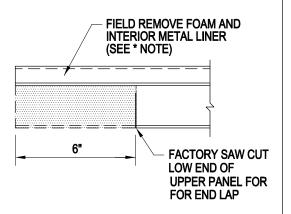
CAREFULLY FIELD REMOVE ALL FOAM FROM THE UNDERSIDE OF THE OUTER METAL SKIN TO ENSURE A POSITIVE AIR AND WATER INFILTRATION SEAL.

UPPER PANEL AT END LAP

INTERIOR METAL LINER FACE AND INSULATION FACTORY SAW CUT IS 6" AT THE LOW END OF THE UPPER PANEL FOR END LAP,

STANDARD ENDLAP APPLICATION BY ROOF PANEL PROFILE IS:

- 6" AT SR2 ROOF PANELS WITH SLOPES EQUAL TO OR GREATER THAN 1/2:12
- 6" AT HR3 ROOF PANELS WITH ROOF SLOPES EQUAL TO OR GREATER THAN 1:12



PANEL END PREP

INSULATED ROOF PANELS

RP10 QA

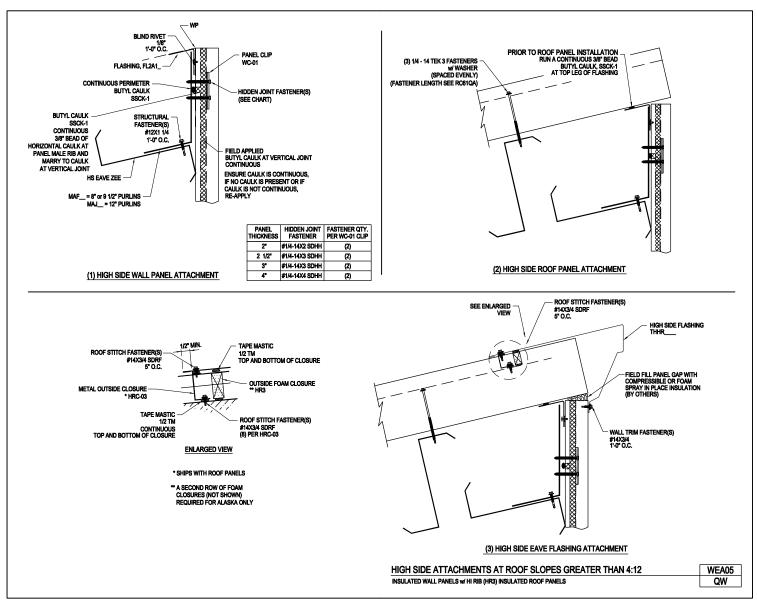
Download the DWG file by clicking here.



INSULATED HI RIB ROOF PANELS

A NUCOR COMPANY

High Side Attachments
Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels
WEA05/QW



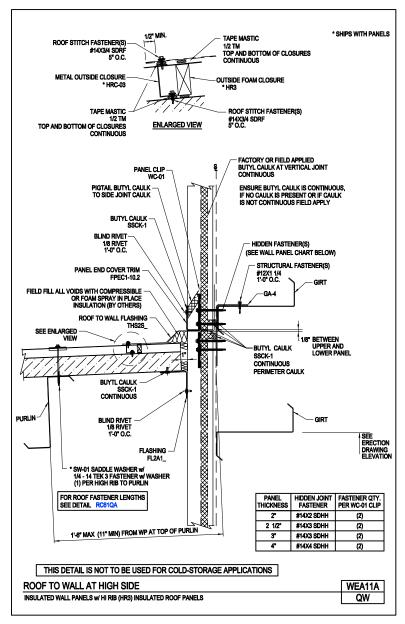
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Insulated Hi Rib Roof Panel

A NUCOR COMPANY

Roof To Wall at High Side Insulated Wall Panels w/ Hi Rib (HR3) Insulated Roof Panels WEA11A/QW



Download a DWG file by clicking on the drawing above