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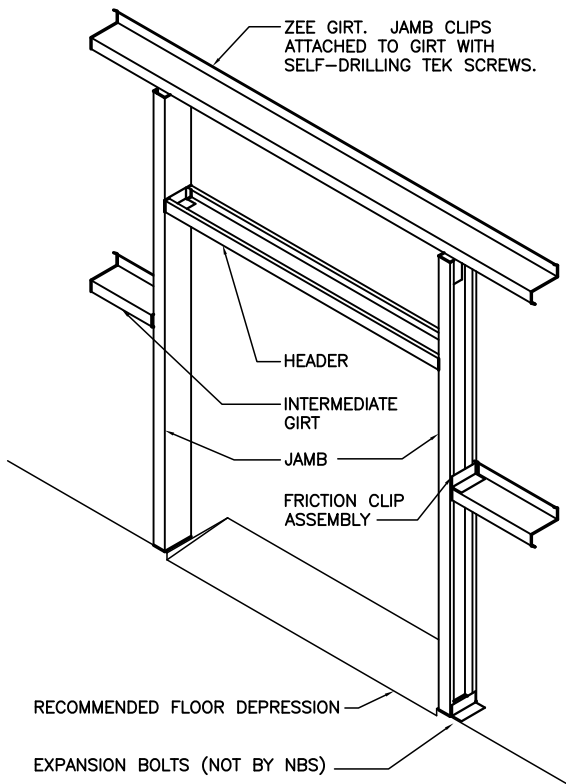
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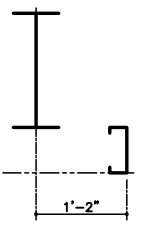
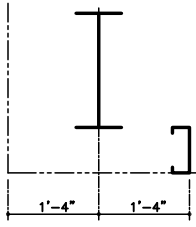
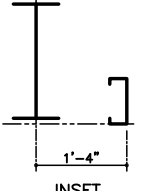
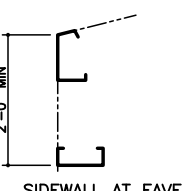
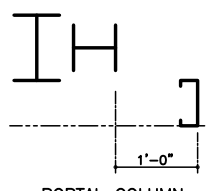
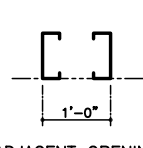
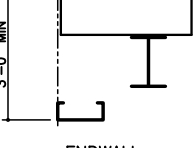

 AC0150PE –Vented Ridge / Hip Detail (VR16 II Roof)..... 29

FRAMED OPENING FEATURES

- All exposed framing is prime painted.
- At times, certain loading conditions require the use of hot-rolled structural channel. When this occurs, pre-drilling for panel fasteners is required.
- All overhead door framed openings are field located, unless located on plans at quote and order entry.
- Jamb is extended to the next standard girt elevation or eave strut for door track attachment.
- Standard jamb design allows for the support of roll-up doors up to a total door weight of 2000#.
- When vertical lift doors are specified, jamb extensions will be provided up to twice the door height or eave strut.
- **These dimensions are guidelines and may be adjusted on a per job basis.**



DET_F00007

SUGGESTED MINIMUM FRAMED OPENING CLEARANCE DIMENSIONS		
 <p>1'-2"</p> <p><u>BYPASS</u></p>	 <p>1'-4" 1'-4"</p> <p><u>CORNER</u></p>	
 <p>1'-4"</p> <p><u>INSET</u></p>	 <p>2'-0" MIN</p> <p><u>SIDEWALL AT EAVE</u></p>	 <p>1'-0"</p> <p><u>PORTAL COLUMN</u></p>
 <p>1'-0"</p> <p><u>ADJACENT OPENINGS</u></p>	 <p>3'-0" MIN</p> <p><u>ENDWALL</u></p>	 <p>1'-4"</p> <p>** = 2X DOOR HGT @ VL DOORS</p> <p><u>PORTAL RAFTER</u></p>



WALKDOOR INFORMATION

PRE-ASSEMBLED WALK DOOR FEATURES

- All doors are ADA compliant, with glass openings per ADA Standards.
- Foam insulated specifically designed for metal building use.
- Pre-assembled and self-framing for ease of installation. No framed opening required if Nucor standard girt spacing is utilized.
- Doors are finished with a baked-on, pre-finished primer in white or brown.
- Doors are shipped in wood crates for protection.
- All doors have Grade 2 lever locks as standard.
- Hinges are ball bearing and powder coated.
- Insulated Jamb
- 3070 and 6070 doors are made of 20-gage material, 18 gage is available.

PRE-ASSEMBLED WALK DOOR PRODUCT DESCRIPTION

1. Nucor has solid doors available in the following sizes: 3070, 4070 & 6070.
2. The following optional accessories are available:
 - Panic levers for standard locksets
 - Lever locks (Grade 1 available)
 - Mortise locks with lever
 - Half Glass with tempered or insulated glass (24" x 30")
 - Narrow Lite with tempered or insulated glass (6" x 30")
 - Vision Lite with tempered or insulated glass (16" x 16")
 - Heavy Duty Closer as standard when requested
 - Security Latch guard
 - 18 gage Door leaf
 - Swing options (LHR, RHR, LHRA, RHRA)
3. Walk doors are typically keyed alike per project unless specified otherwise.
4. Walk doors are shipped as self-framing if 7'-6" standard girt spacing is utilized.

Because of unknown variables, Nucor **does not** offer fire rated doors or doors to fit in masonry. However these options are available through our door supplier. Please contact **Dominion Building Products** at 800-826-2617 or info@dominionproducts.com for more information.



ALTERNATE WALKDOOR (KNOCK DOWN-FIELD ASSEMBLED) – SC & TX ONLY

KNOCK DOWN WALK DOOR FEATURES

- All doors are ADA compliant, with glass openings per ADA Standards.
- Foam insulated specifically designed for metal building use.
- The walk door is shipped knocked down for field assembly.
- Doors are textured 20 gage galvanized prime painted and pre-finished in either white or brown.
- Weather stripping and standard entrance lock is included.
- The walk door package is shipped with poly bag and full cardboard carton.
- All doors have Grade 2 lever locks as standard.
- Hinges are ball bearing and powder coated.

KNOCK DOWN WALK DOOR PRODUCT DESCRIPTION

1. Nucor has solid doors available in the following sizes: 3070, 4070, & 6070.
2. The following optional accessories are available:
 - Panic levers for standard locksets
 - Lever locks (Grade 1 available)
 - Mortise locks with knob as standard; lever available upon request
 - Half Glass with tempered or insulated glass (24" x 30")
 - Narrow Lite with tempered or insulated glass (6" x 30")
 - Vision Lite with tempered or insulated glass (16" x 16")
 - Heavy Duty Closer as standard when requested
 - Latch guard
 - 18 gage Door leaf
3. Doors are typically keyed alike per project unless specified otherwise.

Because of unknown variables, Nucor **does not** offer fire rated doors or doors to fit in masonry. However these options are available through our door supplier. Please contact **Dominion Building Products** at 800-826-2617 or info@dominionproducts.com for more information.



WINDOW INFORMATION

WINDOW FEATURES

- Nucor Building System’s window is an extruded aluminum frame unit designed specifically for metal building use.
- The window comes completely assembled for ease of installation.
- The window is self-flashing. The head and sill trim is factory attached to the window frame. The universal jamb pieces are “snapped” in place without the use of fasteners and work well with all Nucor standard panel profiles.
- The window frame features a non-thermal break aluminum frame with 1/8” DSB non-insulated glass or 3/4” insulated glass.
- The window finish is prime-painted and finished with a brown or white paint, or mill finished anodized.
- The windows are boxed per project and stood up on pallets for shipping.

WINDOW PRODUCT DESCRIPTION

1. Nucor has windows available in the following sizes:

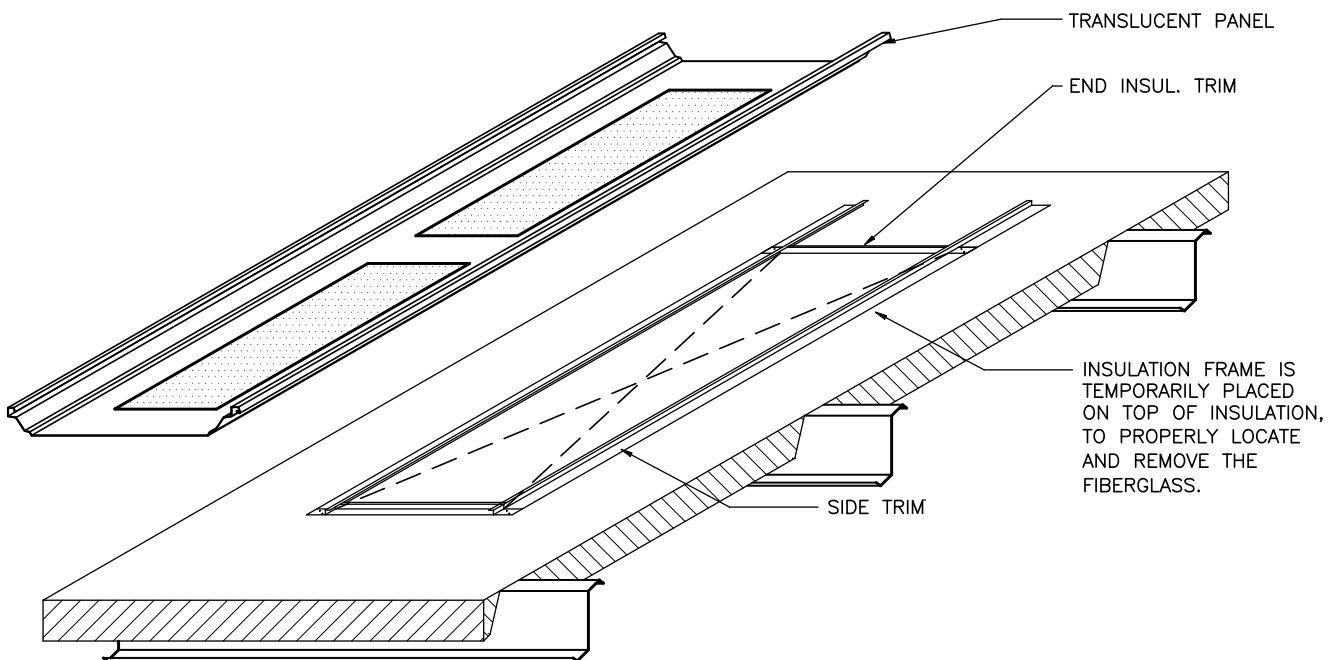
<u>Horizontal Slider</u>	<u>Fixed</u>	<u>Fixed / Project-In</u>
3030	2060	3040
4030	4040	
4040	5040	
5030		
6030		

2. Special window sizes and other types are available from Nucor on special order and for additional cost, and possibly longer delivery.

TRANSLUCENT PANEL INFORMATION

AC0105PE – “CFR” (STANDING SEAM ROOF) TRANSLUCENT PANEL FEATURES

- **Note:** Factory assembled translucent panels are available in Polar White. This unit is completely factory assembled. Translucent panels are available as insulated or non-insulated.
- This Nucor translucent panel is an economical method to allow natural lighting into your building. **Available** for Underwriters Laboratory (UL) rated roof systems. Whenever possible, it is recommended that wall translucent panels be used in lieu of roof translucent panels.
- The Nucor “CFR” panel and translucent panel unit are designed together so that the unit laps and seams directly into the roof, without the need for field cutting.
- This unit is designed to fit on purlin spacing of 5’-0” or 5’-6”. **NOTE: UL rating is available for 5’-0” purlin spacing only.** UL rating is achieved by simply hand-crimping the full length of the translucent panel. No extra framing or materials are required.
- Translucent panels **can** be placed from end to end. Translucent panels **cannot** be placed eave to eave, or at the eave of a building. Translucent panels **cannot** be placed directly beside another translucent panel. It is recommended that at least (4) CFR panels occur between translucent locations.
- This unit cannot be used as an erection platform.
- The CFR panels above and below the translucent panel must bear on a minimum of (3) purlins, preferably (4). Please indicate translucent panel locations on the sketch page of the order documents.
- Buildings with less than 60’-0 panel runs typically have (1) translucent panel per run.

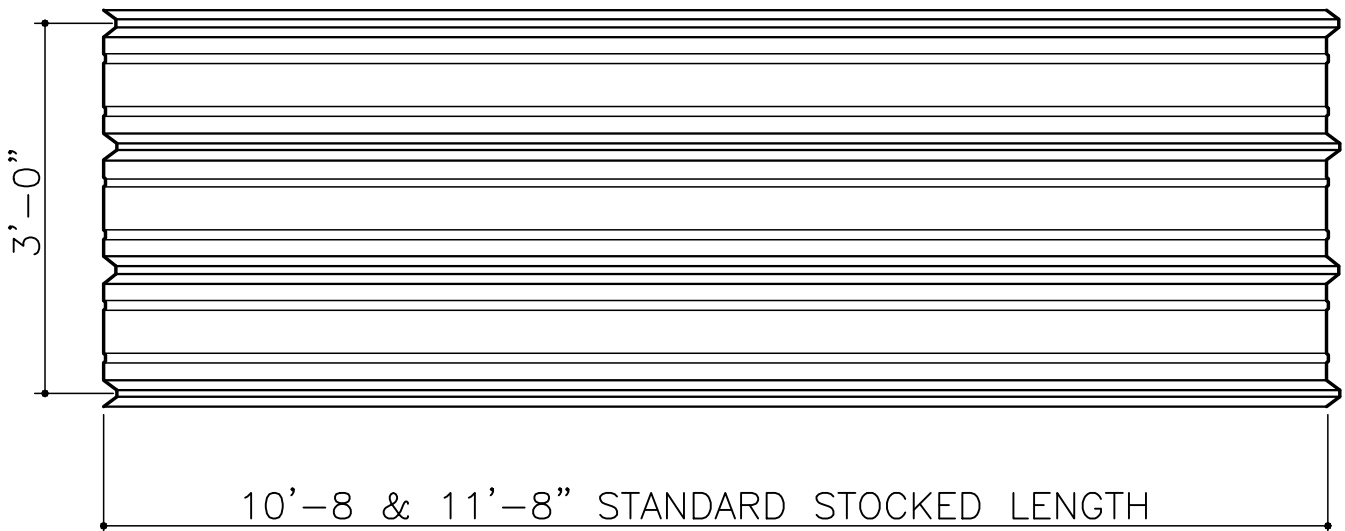


AC0090PE – “CLASSIC ROOF” TRANSLUCENT PANEL INFORMATION

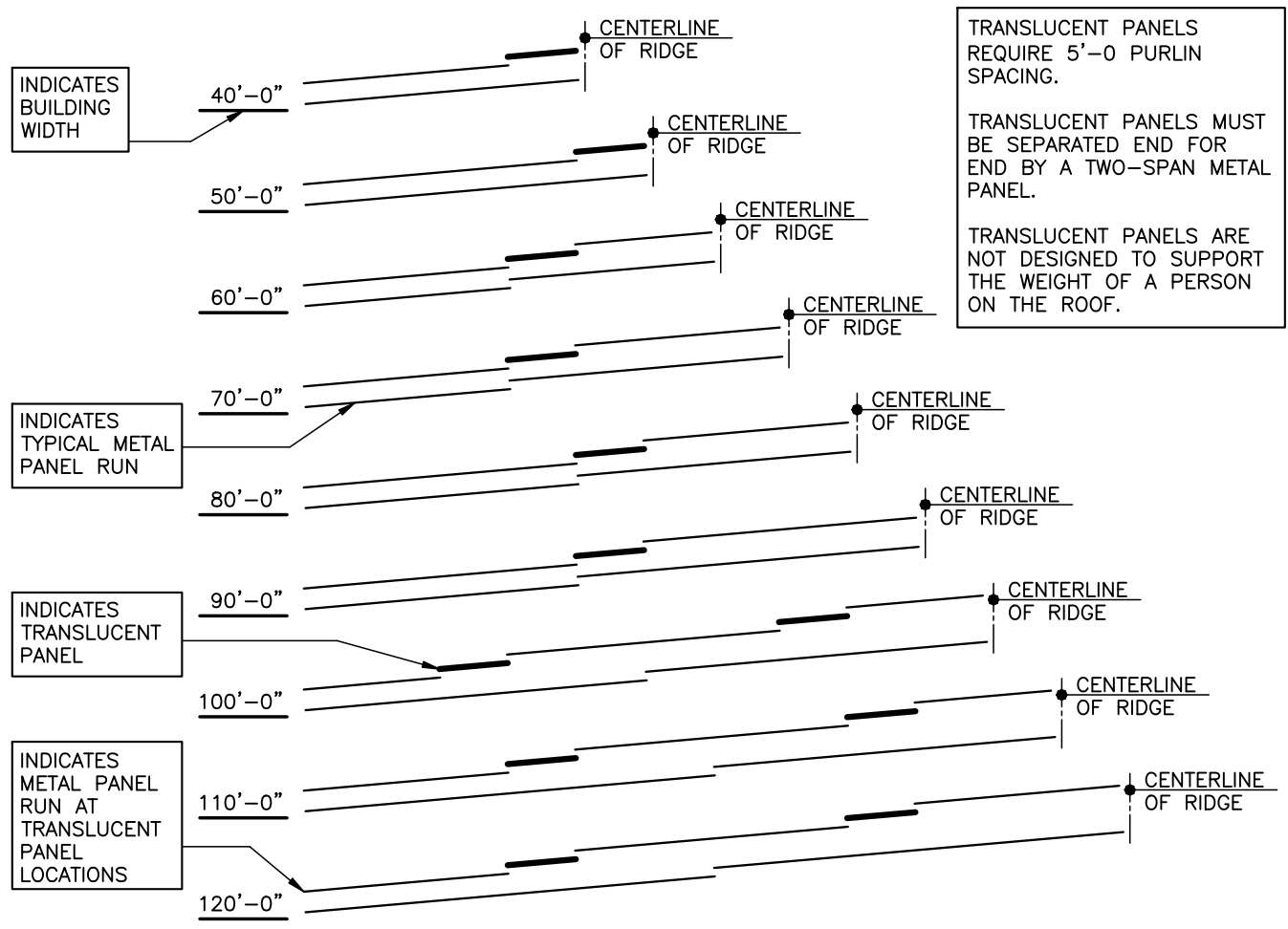
TRANSLUCENT PANEL FEATURES

- Whenever possible, it is recommended that wall translucent panels be used in lieu of roof translucent panels.
- This Nucor translucent panel is an economical method to allow natural lighting into your building.
- Translucent panels are field installed with self-drilling screws. Tape mastic is used at the panel perimeter.
- Panels are available in 10'-8" & 11'-8" nominal lengths as a standard.
- Translucent panels shall not be placed side-to-side or end-to-end. A minimum of (4) full panel runs is recommended between translucent panel locations. Roof panels above and below translucent panels shall attach to a minimum of (3) purlins, preferably (4).
- Translucent panels shall not be placed at the eave of the building.
- Buildings with less than 60'-0 panel run can typically only have (1) translucent panel per run.

NEVER STEP, STAND,
OR APPLY WEIGHT TO
TRANSLUCENT PANELS.



AC0095PE – LOCATIONS FOR NUCOR “CLASSIC ROOF” TRANSLUCENT PANEL

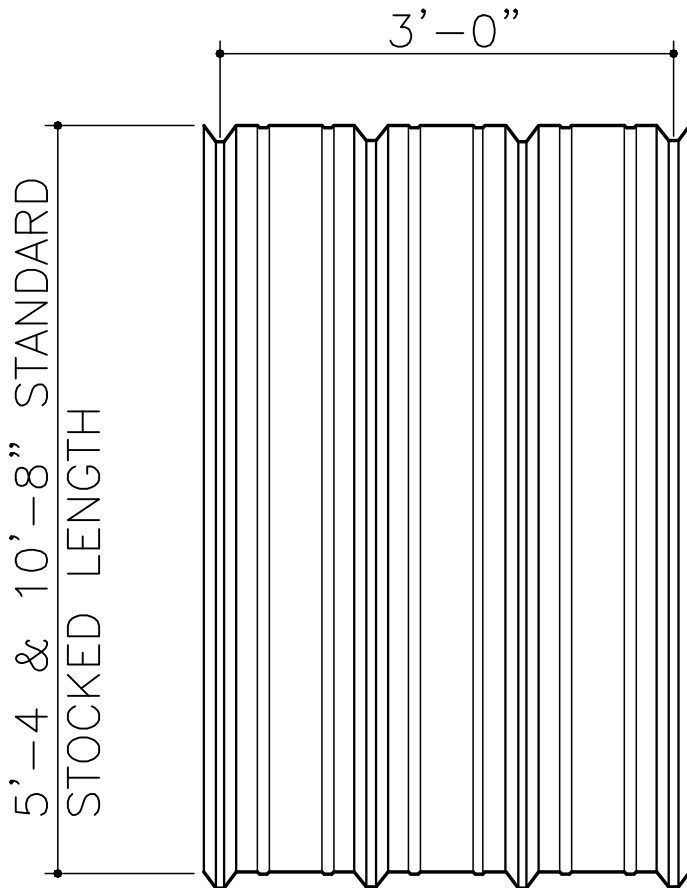


TRANSLUCENT PANEL LOCATIONS FOR CLASSIC ROOF

AC0100PE – WALL TRANSLUCENT PANEL INFORMATION

TRANSLUCENT WALL LITE FEATURES

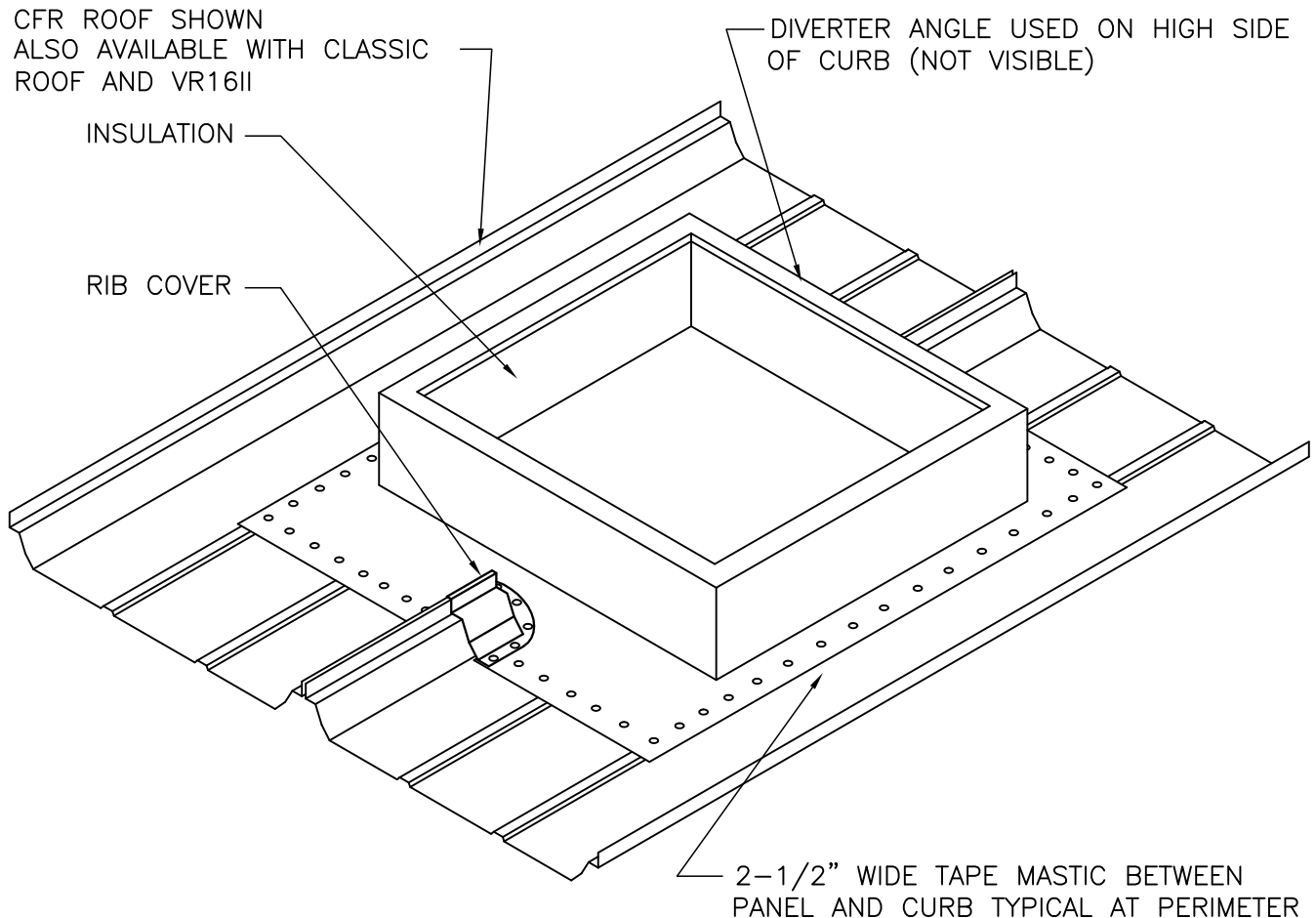
- The Nucor Translucent Wall Lite is an economical method to allow natural lighting into your building.
- Translucent panels are commonly used for wall application.
- Translucent panels are field installed with self-drilling screws and 3/8” grommet seal fasteners (field drilling required).
- Panels are available in 5’-0” & 10’-0” nominal lengths as a standard.
- Please show wall lite locations on the sketch.
- As a standard, the panel at the end of any wall with wall lites will be a full height metal panel for better corner trim attachment. Please indicate any other special requirements in the order documents.



NOTE: CLASSIC PROFILE SHOWN. WALL LITES ARE ALSO AVAILABLE IN ACCENT PROFILE.

CURB INFORMATION

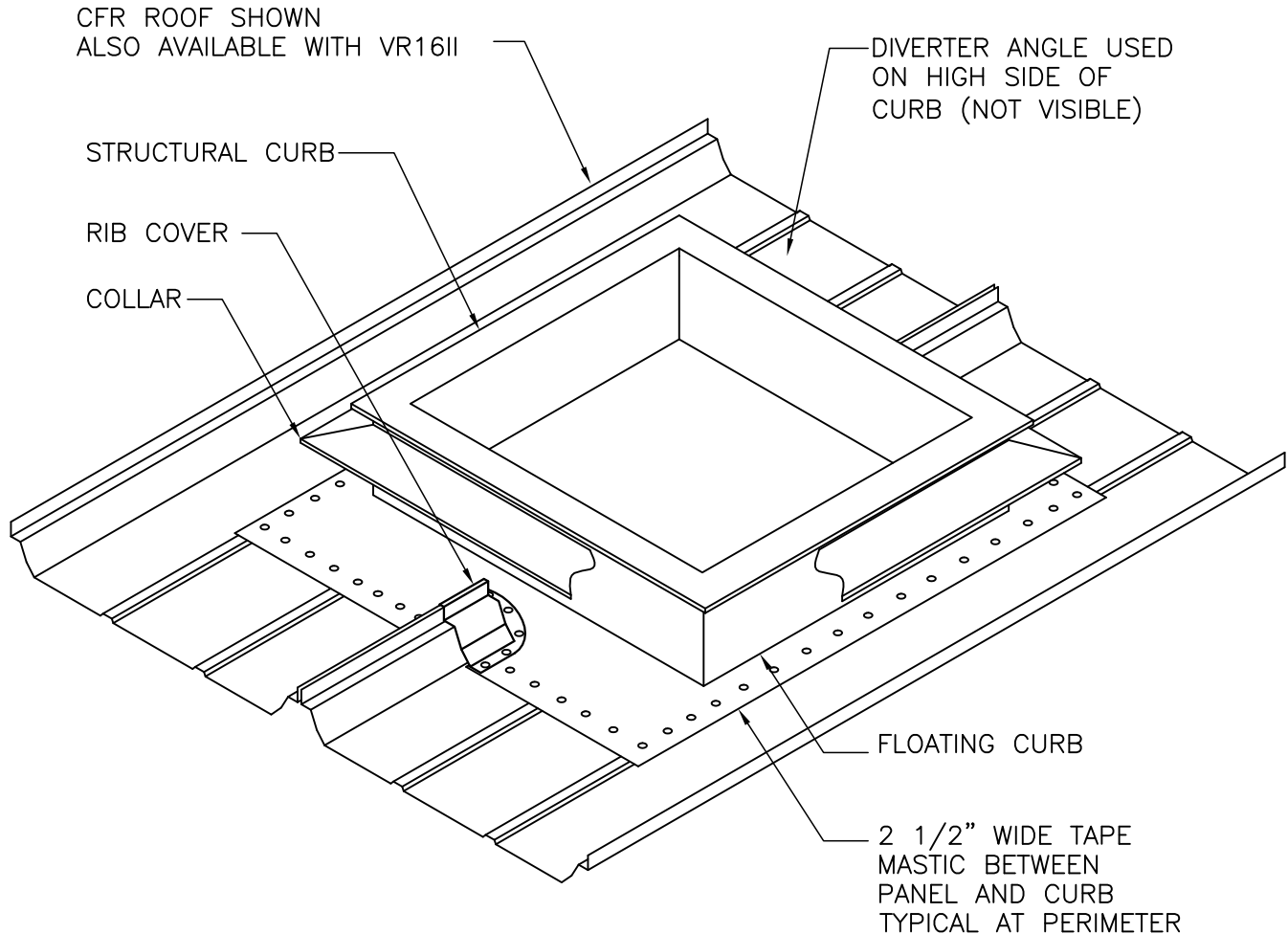
AC0050PE – FLOATING CURB (FOR “CLASSIC”, “CFR”, OR “VR16 II” PANELS)



NOTES:

1. Use self-drilling screws at 4" o.c. at curb perimeter through center of 2 1/2" tape mastic.
2. For sub-framing, see details below.
3. To be used for RTU's < 6000# with "CFR" fixed clip roof system and all floating clip roof systems < 750#
To be used for all RTU's < 6000# with "Classic" roof system.
4. Available unpainted only. May be field painted to match roof color if desired.

AC0060PE – FLOATING/STRUCTURAL CURB (FOR “CFR” & “VR16 II” PANELS)



NOTES:

1. Inner Structural curb is attached to sub-framing. Floating curb is attached to roof panels only.
2. Opening size varies. Include RTU manufacturer & model number on the order documents.
3. Structural supports required for curb (Not shown).
4. Ridge mounted curbs are not available.
5. The curb can be installed after the roof panel is completely installed.
6. Installation of curb is recommended during Composite CFR roof panel installation.
7. For sub-framing, see details below.
8. To be used on all roof systems (except Classic Roof) for RTU's > 750# and < 6000#.
9. Available unpainted only. May be field painted to match roof color if desired.



ROOF TOP UNIT SUB-FRAMING INFORMATION

Note: This represents current Nucor standards but alternative options are currently being investigated.

Sub-framing is always required when curbs are used. The type of sub-framing depends upon the weight of the roof top unit supported. The types of sub-framing and when they should be used are as follows:

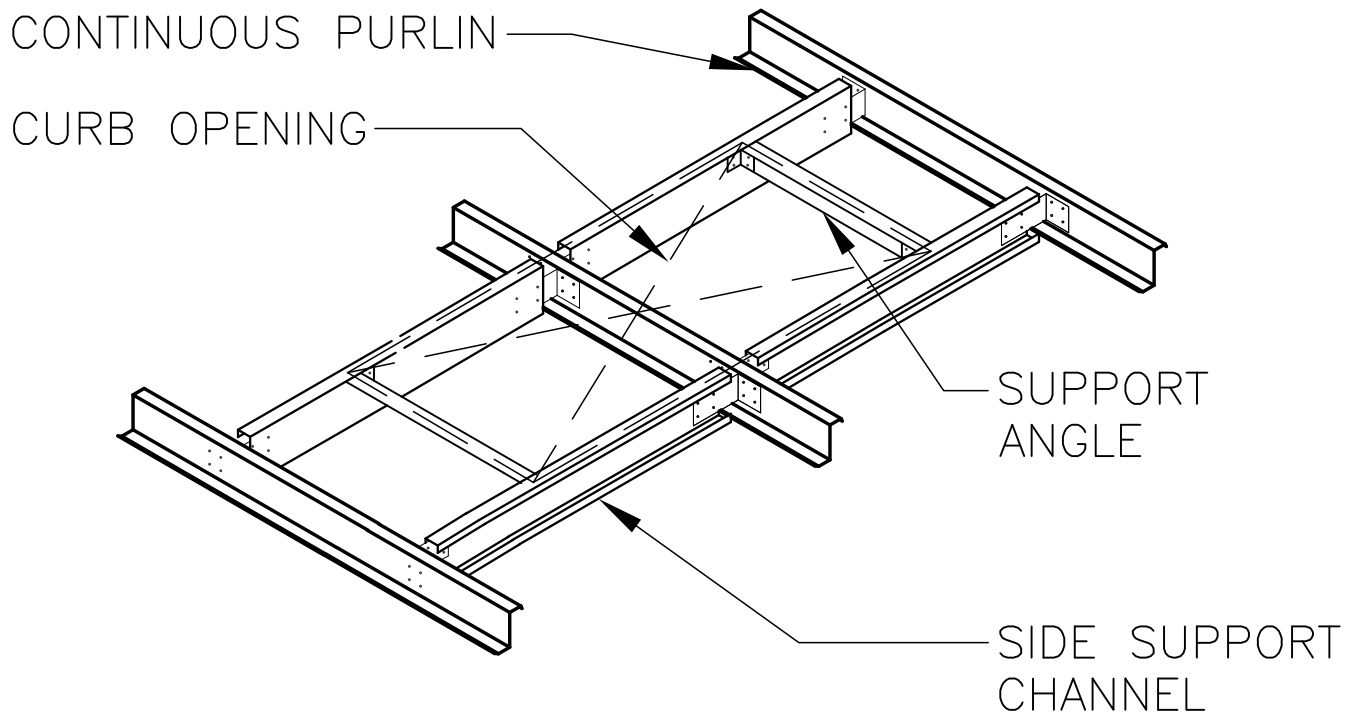
1. On all roof systems < 750#, the sub-framing detail shown on 8.0.13 applies.
2. On a Classic roof > 750# < 6000# and all other roofs >750# <1200#, the sub-framing detail shown on 8.0.14 applies.
3. On all roofs > 1200# <6000#, the sub-framing detail shown on 8.0.15 applies.
4. On all roofs > 1200# <6000#, and the purlins are “cut”, the sub-framing as shown in the detail on 8.0.16 applies.

IMPORTANT NOTES:

- The Nucor roof system is located above the roof secondary structural members depending on the size of the clips (short or tall). The roof curb sub-framing must be located at the same height as the secondary members to avoid potential leak problems. Refer to the details for proper dimensions. Short clips require 1/2” of elevation, while tall clips require 1 1/2” of elevation.
- The Nucor “CFR” roof system is designed as a floating system. Curb framing and flashing must be designed accordingly to allow the curb system to float with the “CFR” roof during thermal expansion and contraction. Curbs will not span the ridge of the building.
- Typically, purlin runs are not interrupted by RTU openings. If the purlins are required to stop at each side of the opening, please indicate this on the quote request and order documents.
- When possible roof top units should not be placed closer than 15’-0 from any roof edge.

LESS THAN 750 POUNDS

AC0181PE – RTU STANDARD SUB-FRAMING FOR FLOATING CURB < 750#)

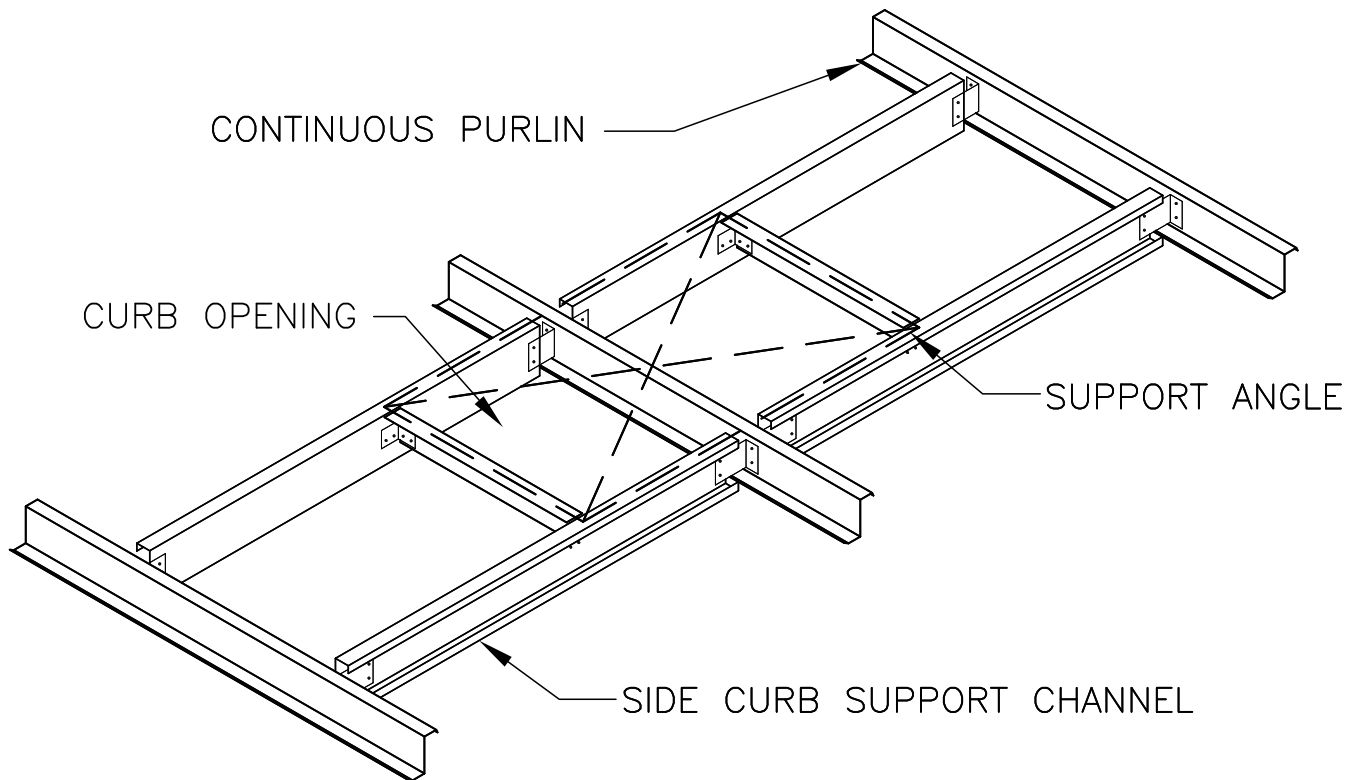


NOTES:

- TEK SCREW CONNECTION SHOWN.
- CURB ANGLE CHANGES TO CHANNEL WHEN WIDTH IS > 5'-0".

OVER 750 POUNDS – LESS THAN 1200 POUNDS

AC0161PE – FLOATING/STRUCTURAL CURB >750# < 1200#

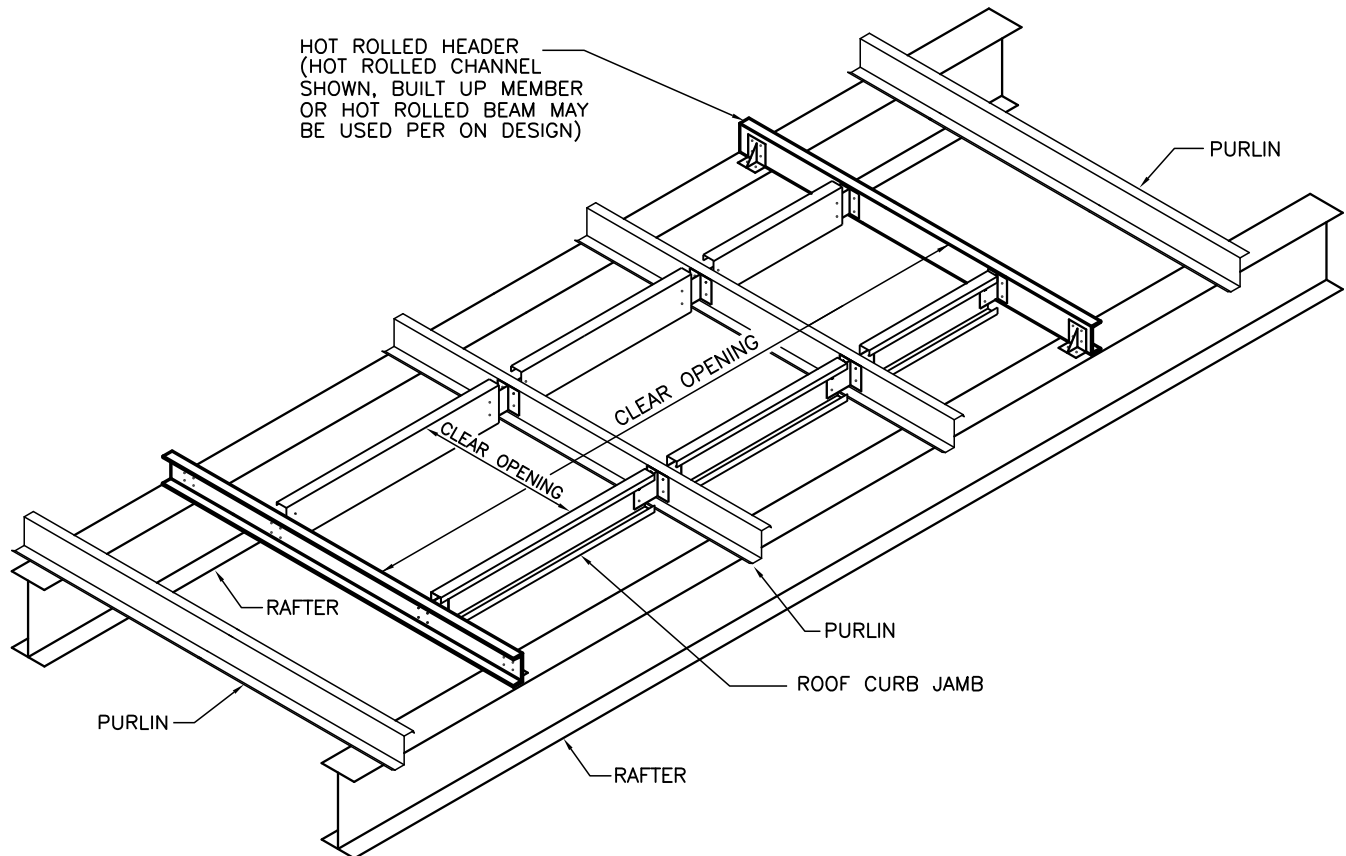


NOTES:

- BOLTED CONNECTION SHOWN.
- SIDE CURB SUPPORT CHANNEL MAY BE CONTINUOUS (PURLINS CUT).
- CURB ANGLE CHANGES TO CHANNEL WHEN WIDTH IS > 5'-0".

OVER 1200 POUNDS – LESS THAN 6000 POUNDS

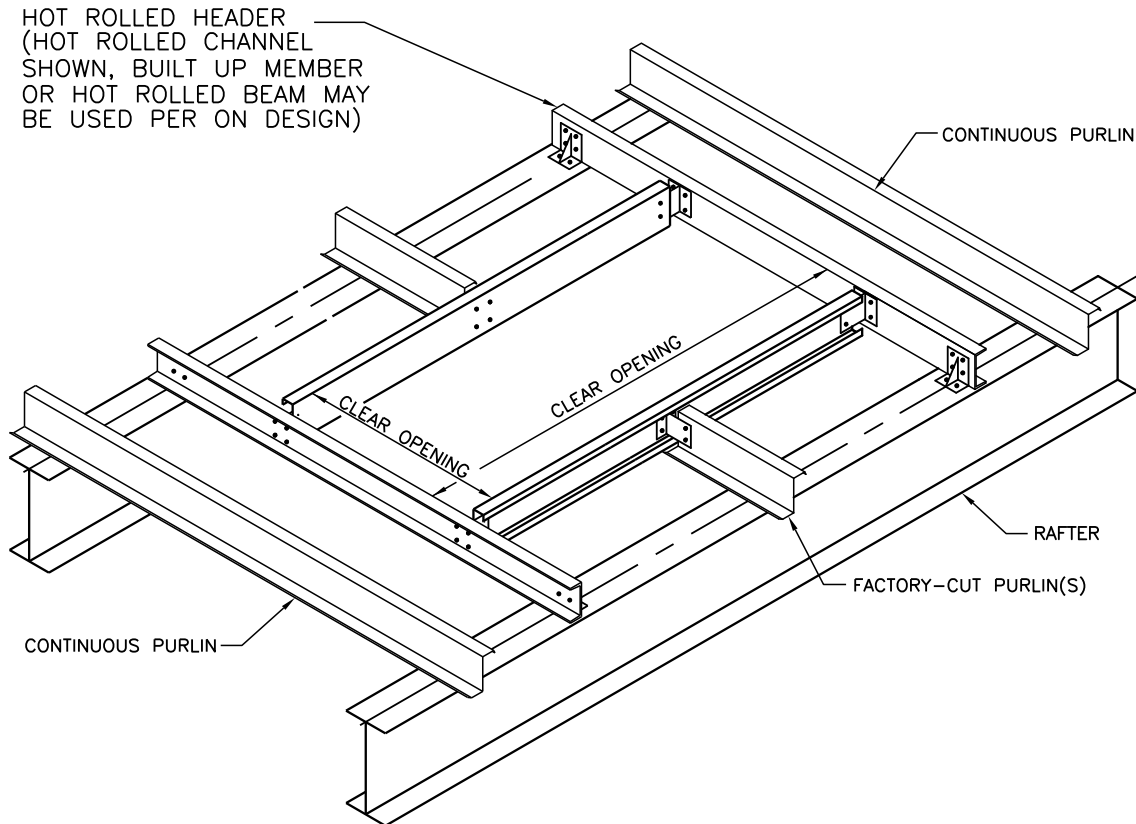
BK0123PE – PURLINS RUN THROUGH OPENING



ERECTOR NOTE:

LOADS FROM THE RTU'S HAVE BEEN APPLIED TO THE FRAMES BASED ON THE RTU LOCATIONS SHOWN ON THESE ERECTION DRAWINGS. N.B.S. MUST BE CONSULTED PRIOR TO MOVING THE RTU'S FROM THESE GIVEN LOCATIONS. IF RTU'S ARE MOVED, NEW MATERIALS MAY NEED TO BE PURCHASED.

BK0125PE – PURLINS CUT



ERECTOR NOTE:

LOADS FROM THE RTU'S HAVE BEEN APPLIED TO THE FRAMES BASED ON THE RTU LOCATIONS SHOWN ON THESE ERECTION DRAWINGS. N.B.S. MUST BE CONSULTED PRIOR TO MOVING THE RTU'S FROM THESE GIVEN LOCATIONS. IF RTU'S ARE MOVED, NEW MATERIALS MAY NEED TO BE PURCHASED.



RIDGE VENT INFORMATION (CLASSIC AND CFR)

RIDGE VENT STANDARD OPTIONS:

CLASSIC ROOF:

1. 9" and 12" ridge vents are available as single units or continuous units.
2. Low Profile ridge vents are available as single units or continuous units.

CFR ROOF:

1. 9" and 12" ridge vents are available as single units or continuous units.
2. Low Profile ridge vents are available as single units or continuous units.

9" & 12" THROAT RIDGE VENT FEATURES

RIDGE VENT FEATURES

- Ridge vents come completely assembled for ease of installation.
- Standard available finishes may vary per plant. Contact the Estimating Department for availability.
- The ridge vent can be used with both "Classic" and "CFR" roof systems.
- Nominal ridge vent length is 10'-0.
- Ridge vents should not be placed closer than 5'-0 to the endwall steel line. For example: a 90'-0 long building with ridge vents required the entire length, should have no more than (8) units.
- Ridge vents can be ordered as continuous or single units.
- Ridge vents have flat skirts for both "Classic" and "CFR" roof systems.



RIDGE VENT PRODUCT DESCRIPTION

- Nucor ridge vents are available in the following sizes: 9” throat and 12” throat.
- The following are the standard ridge vent systems that are available:
 - Single unit w/ screen & damper
 - Single unit w/screen (no damper)
 - Continuous unit w/screen & damper (see next page for options)
 - Continuous unit w/ screen (no damper)
- The following vent closer comes **STANDARD** for each single ridge vent system:
 - a. Lockerpull type operator with 10’ of chain that hangs down from the middle of the unit.
- Below is a list of **OPTIONAL** closer accessories for the continuous ridge vent system.
 - a. Lever (6 units max. 40’ of 3/16” bare galvanized cable)
 - b. Boat winch (8 units max. for units with 9” throat 60’ of 3/16” bare galvanized cable)
 - c. Boat winch (6 units max. for units with 12” throat units max. 60’ of 3/16” bare galvanized cable)
- A cable extension package is available to be used in conjunction with the lever or boat winch closer.
- See the following pages for standard details.



9" & 12" THROAT RIDGE VENT DATA SPECIFICATIONS

Ridge vents supplied by Nucor are of a low profile design to provide gravity type ventilation. Bird screen is provided as a standard. Each unit contains flashing for either single or continuous run installation where specified on the sketch of the Order Document. Vents are available in 9" or 12" throats in standard white or Galvalume® finish. Other colors are available at additional costs. Consult Nucor for price and delivery impacts of colored vents.

Ridge vents are available for both CFR and Nucor Classic Roof. Skirts are flat by design and are attached to the major ribs (or End Dam on the CFR) by self-drilling screws. Because gravity ridge vents are designed to allow free airflow, some penetration of water during blowing rains is to be expected.

Exterior parts are 26 Gage Painted or Galvalume®. Interior parts are all of G90 galvanized steel. Substructure consists of 10 Gage saddle straps with interior baffles of 24 Gage steel. Lifter arms and damper slides are of 18 Gage.

Manual operation is through activation of a pull bar, which is attached internally to bell cranked type lifter arms connected to the damper with Teflon coated pins through the damper slides. Dampers are spring loaded to remain in the open position until pull bar is operated and locked in the closed position. Dampers operate in a vertical manner.



AIR MOVEMENT CAPACITIES FOR NUCOR RIDGE VENTS

Capacities Listed Below are Cubic Feet per Minute per 9" x 10'-0" Long Vent

Height	Temperature Difference								
	5°	10°	15°	20°	25°	30°	35°	40°	45°
10'	999	1,323	1,566	1,728	1,890	2,052	2,187	2,322	2,565
15'	1,134	1,620	1,917	2,160	2,322	2,484	2,673	2,835	2,943
20'	1,431	1,890	2,187	2,484	2,673	2,889	3,078	3,294	3,402
25'	1,566	2,079	2,403	2,700	2,916	3,186	3,375	3,591	3,753
30'	1,701	2,241	2,619	2,916	3,159	3,456	3,672	3,915	4,050
35'	1,782	2,349	2,754	3,078	3,348	3,645	3,888	4,077	4,266
40'	1,890	2,511	2,916	3,294	3,510	3,807	4,050	4,347	4,536
45'	1,998	2,592	3,024	3,456	3,726	3,996	4,293	4,536	4,725
50'	2,079	2,727	3,186	3,591	3,888	4,212	4,509	4,725	4,941
55'	2,160	2,862	3,321	3,753	4,050	4,428	4,644	4,941	5,184
60'	2,241	2,943	3,456	3,888	4,185	4,563	4,833	5,130	5,400
65'	2,295	3,024	3,564	3,996	4,347	4,698	4,995	5,319	5,562
70'	2,376	3,159	3,672	4,131	4,509	4,833	5,103	5,454	5,697
75'	2,430	3,213	3,753	4,239	4,563	4,941	5,292	5,562	5,859
80'	2,511	3,294	3,834	4,347	4,644	5,022	5,400	5,697	5,940

Numbers based upon air intake area 1 1/2 times ventilator throat area, assumes 5 mph wind speed.

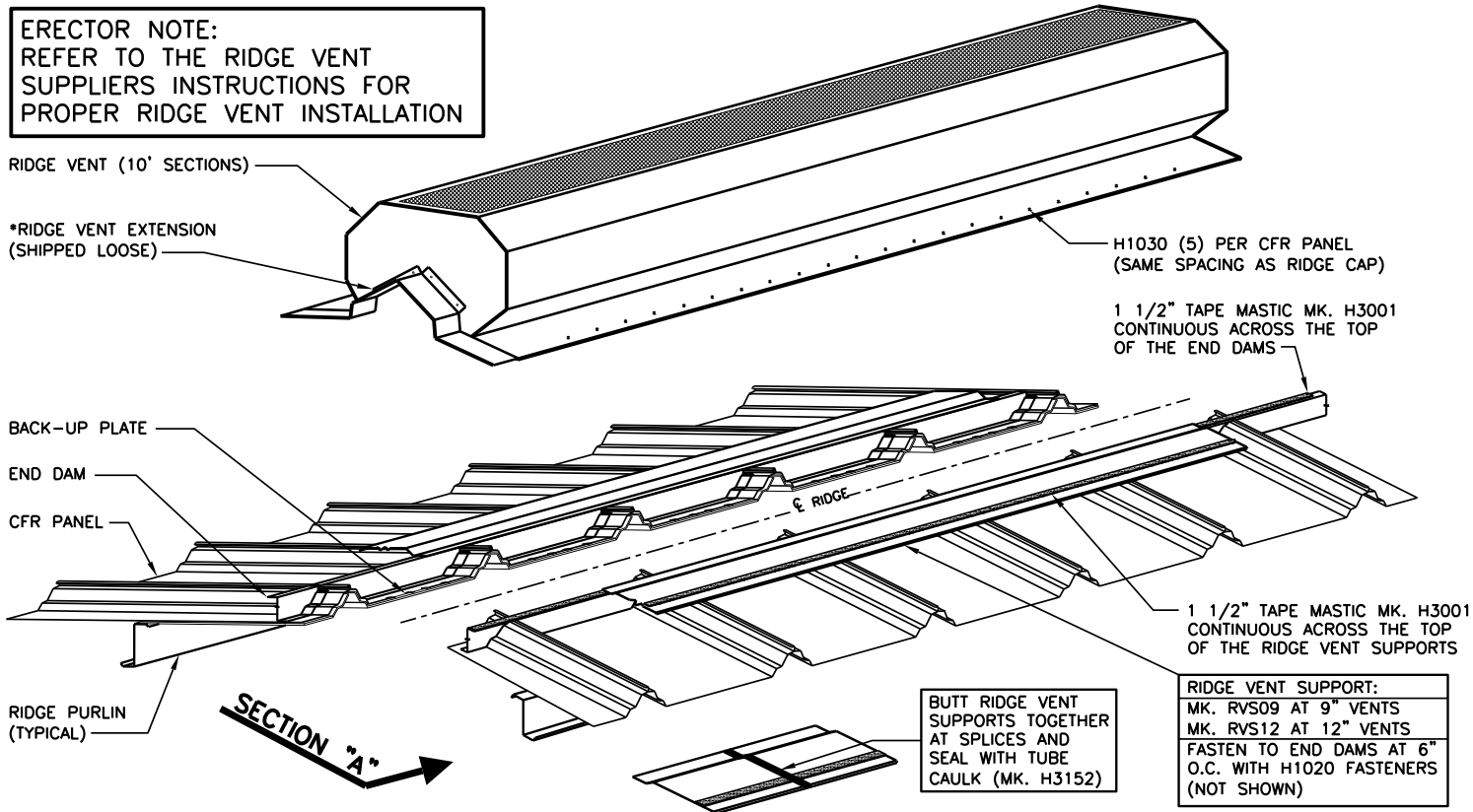
Height = vertical rise from inlets near floor to ventilator.

Temperature = estimated temperature difference between middle of air intake near floor & ventilator with dampers open.

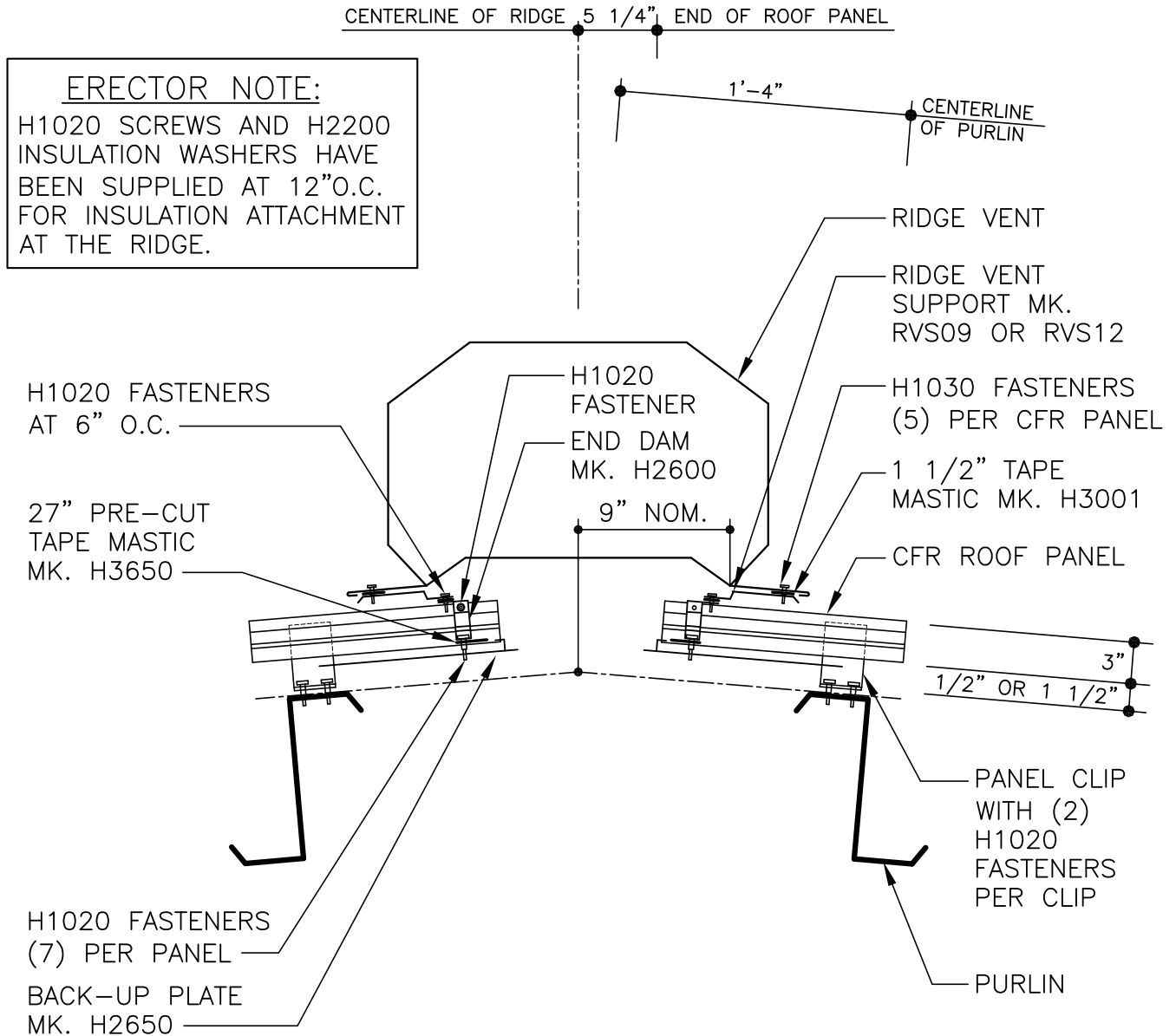
To calculate data for 12" vents, multiply capacities listed above by 1.3334.

AC0115PE – RIDGE VENT DETAIL

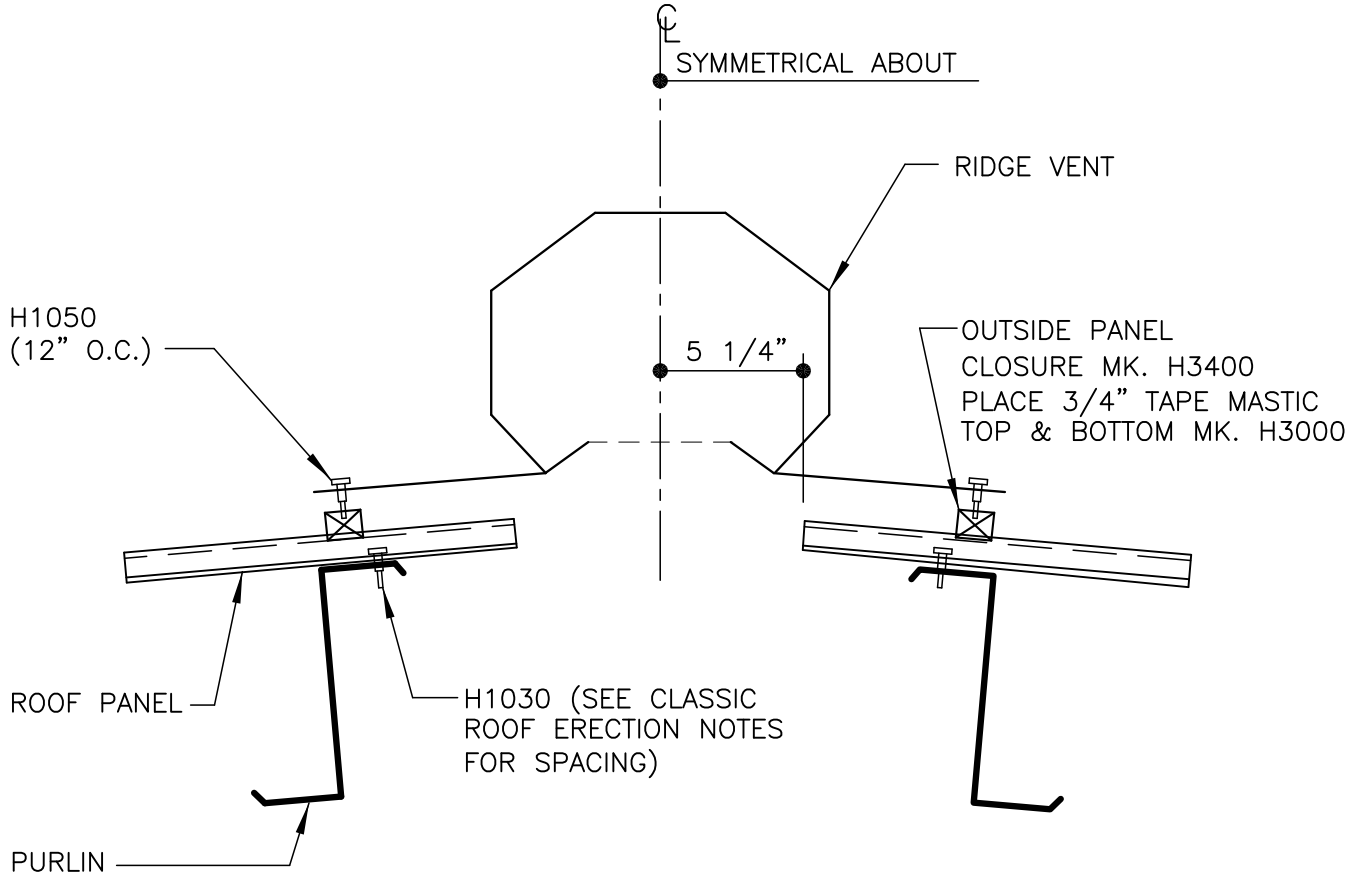
ERECTOR NOTE:
REFER TO THE RIDGE VENT
SUPPLIERS INSTRUCTIONS FOR
PROPER RIDGE VENT INSTALLATION



AC0120PE – 9" RIDGE VENT DETAIL (CFR ROOF)



AC0140PE – RIDGE VENT DETAIL – CLASSIC ROOF





LOW PROFILE RIDGE VENT INFORMATION

LOW PROFILE RIDGE VENT FEATURES:

- Ridge vent system is low profiled, erector friendly and architecturally pleasing.
- Ridge vent system is not elevated above the roof as traditional vents are.
- Allows the use of Nucor's standard metal peak boxes installed in the same manner.
- Nominal ridge vent length is 10'-0".
- Ridge vents can be ordered as single units or continuous units.

Continuous Unit Definitions:

- Vents, vent splice kits, ridge cap and (2) end caps per run are supplied by the ridge vent vendor.
- Mastics and fasteners supplied by NBS.

Single Unit Definitions:

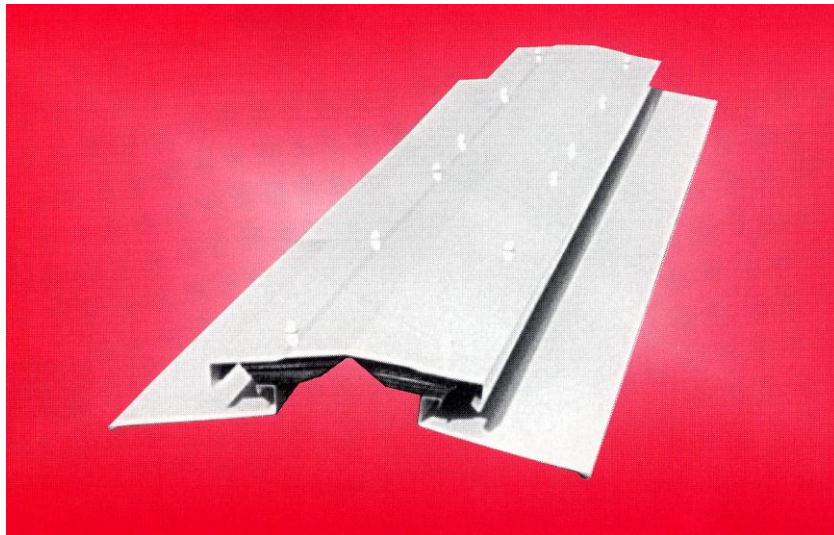
- I. Vents, ridge cap and (2) end caps per unit are supplied by the ridge vent vendor
- II. Mastics and fasteners supplied by NBS.

GENERAL INFORMATION:

- Units can be installed in combination, meaning you could have a part of the vent system be continuous and part of the vent system being single units. In which case, the un-vented areas will be linked together with ridge cap supplied by the ridge vent vendor.
- Standard colors for the Low Profile Ridge Vents and Ridge cap are: PW & GM. Other finishes are available and may vary per plant. Contact the Estimating Department for cost and availability.
- Ridge cap for the low profile ridge vents will be made in 20'-0" lengths as a standard. The 20'-0" lengths are available in PW & GM colors. Ridge Cap lengths may vary for *other* colors. Contact the Ridge vent supplier for length/color availability.
- Ridge vents should not be placed closer than 5'-0" to the end wall steel line. The transition from the vent to the rake trim will be made with ridge cap supplied from ridge vent vendor. (ridge cap profile to match ridge vent profile) Example: a 90'-0" long building with ridge vents required the entire length, should have no more than (8) units.
- As a standard, the low profile ridge vent system utilizes the standard panel set-back of: 5 ¼" up to 6:12 roof slope. Above 6:12 roof slope, detailing will need to determine the correct panel set-back dimension.

LOW PROFILE RIDGE VENT PRODUCT DESCRIPTION:

- Low Profile Ridge Vent is a product currently produced from Metallic Products. This system features the Cor-A Vent® ventilation core. All other steel components are made with 24 ga metal. This system when required, will take the place of the standard NBS ridge cap detail. The unit(s) are fastened to the end dams utilizing standard self drilling fasteners. The top hood is bent on a 4:12, with the bottom flanges are bent at the roof slope.



LOW PROFILE RIDGE VENT

AIR MOVEMENT CAPACITIES FOR LOW PROFILE RIDGE VENT

DIMENSIONS AND TECHNICAL DATA

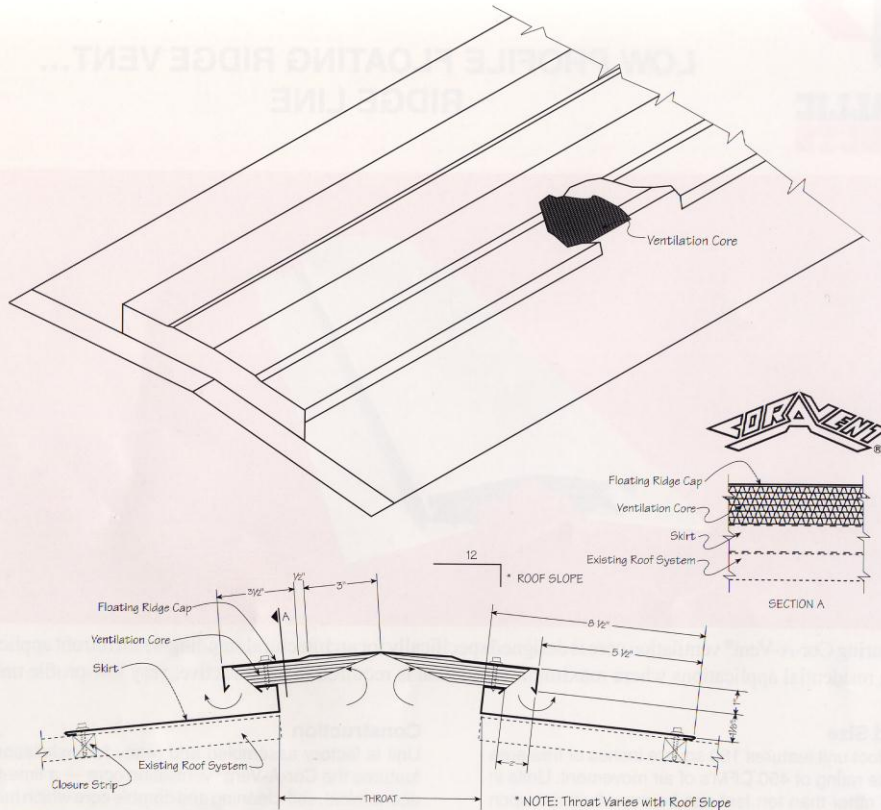


TABLE A
Air Movement per Lineal Foot Factors

HEIGHT IN FEET	Temperature Difference					
	5°	10°	15°	20°	25°	30°
10	16.65 _A	22.05 _A	26.10 _A	28.80 _A	31.50 _A	34.20 _A
15	18.90 _A	27.00 _A	31.95 _A	36.00 _A	38.70 _A	41.40 _B
20	23.85 _A	31.50 _A	36.45 _A	41.40 _A	44.50 _B	48.15 _B
25	26.10 _A	34.65 _A	40.05 _A	45.00 _B	48.60 _B	53.10 _C
30	28.35 _A	37.35 _A	43.65 _B	48.60 _B	52.65 _C	57.60 _C
35	29.70 _A	39.15 _B	45.90 _B	51.30 _B	55.80 _C	60.75 _C
40	31.50 _B	41.85 _B	48.60 _B	54.90 _C	58.50 _C	63.45 _C
45	33.30 _B	43.20 _B	50.40 _B	57.60 _C	62.10 _C	66.60 _C
50	34.65 _B	45.45 _B	53.10 _C	59.85 _C	64.80 _C	70.20 _D

TABLE B
Wind Velocity Factors

WIND M.P.H.	Factors			
	A	B	C	D
3	1.14	1.09	1.05	1.02
5	1.25	1.18	1.13	1.09
7	1.41	1.29	1.22	1.16
9	1.62	1.43	1.33	1.25
11	1.82	1.57	1.43	1.32

TOTAL CFM = (Table A) X (Table B) X Length

TABLE C
Throat Size (Determined by Roof Pitch)

Pitch	Throat Size	Pitch	Throat Size
1:12	6 1/2"	7:12	4 1/8"
2:12	6 1/8"	8:12	3 1/2"
3:12	5 5/8"	9:12	3"
4:12	5 1/4"	10:12	2 1/2"
5:12	4 7/8"	11:12	2 1/8"
6:12	4 5/8"	12:12	1 3/4"

Note: If material is furnished by customer, the following must be supplied for each 10' section:
Painted Screws
1 Sheet for Metal Roof, 2 for Shingle
15 Self-Tapping Screws 1/4" x 1 1/2"
Type A W/Washers



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VENTED RIDGE /HIP INFORMATION (VR16 II ROOF)

VENTED RIDGE/HIP SYSTEM FEATURES

- This vent system is low profiled, erector friendly and architecturally pleasing.
- Ridge vent system is not elevated above the roof as traditional vents are.
- Can be placed on a ridge or hip roof.
- Ridge vent system can be placed the entire length of the ridge/hip or partial length (continuous recommended)
- Vented and non-vented sections of the system look the same on the surface.
- Standard parts accommodate up 12:12 roof slopes.
- Allows the use of Nucor’s standard metal peak boxes installed in the same manner.
- Ridge vent system is not recommended for slopes less than 2:12.
- Maximum panel run for this system is: 80’-0”.

VENTED RIDGE/HIP SYSTEM DESCRIPTION

- This system comprises of a vented material called PreVent made by Metallic Products, std cover flash, fasteners and ridge cap. The PreVent is 24 ga GM metal ‘J’ shape that has ½” x 2” louvers in it.
- For installation: you place the 10’ sections of the PreVent on top of the zee closure and fasten in place with standard fasteners. Repeat for both sides. Install the ridge cap as work progress’s by placing the ridge cap over the PreVent and fastening into the PreVent. See photos of the product and the different stages of installation below.
- The fiber media contained in the Prevent is comprised of a non-woven, fire retardant, natural fiber mixture bonded with latex, and will withstand extreme heat and cold conditions. The filter media is bacteriostatic and will not support the growth of mold, mildew or bacteria, and is very effective in resisting the entrance of wind driven rain or snow.



PREVENT PRODUCT

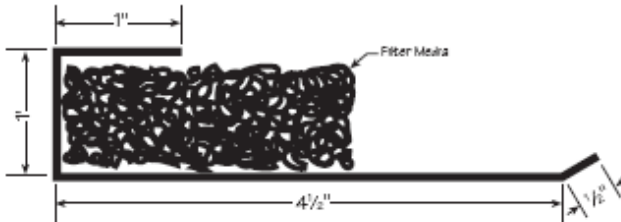


END PICTURE OF PROGRESSIONAL ASSEMBLY

AIR MOVEMENT CAPACITIES FOR VENTED RIDGE/HIP SYSTEM (VR16 II ROOF)

PREVENT

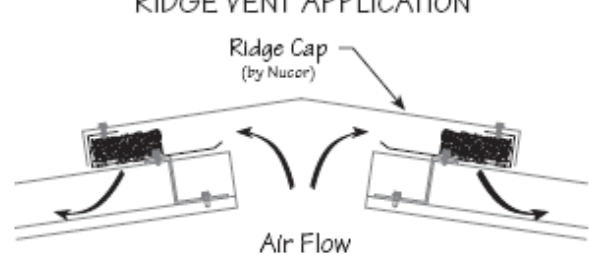
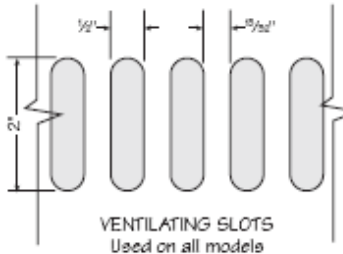
Nucor Building Systems



MODEL NU24-1-1
 24 Ga. Galvalume
 10'-0" Lengths
 6 lbs Each
 6.25 in² NFA per 10'-0"

Filter media is bacteriostatic: Will not support growth of mold, mildew or bacteria.

RIDGE VENT APPLICATION


VENTILATING SLOTS
Used on all models

CFM Chart (per 10'-0" run of ridge vent)

Stack Height	Temperature Differential							
	5'	10'	15'	20'	25'	30'	35'	40'
5	170	188	203	215	225	235	244	252
10	188	215	235	252	266	280	292	304
15	203	235	260	280	298	315	330	345
20	215	252	280	304	325	345	362	398
25	225	266	298	325	350	370	390	408
30	235	280	315	345	370	394	415	435
35	244	292	330	392	390	415	438	460
40	252	304	345	398	408	435	460	483

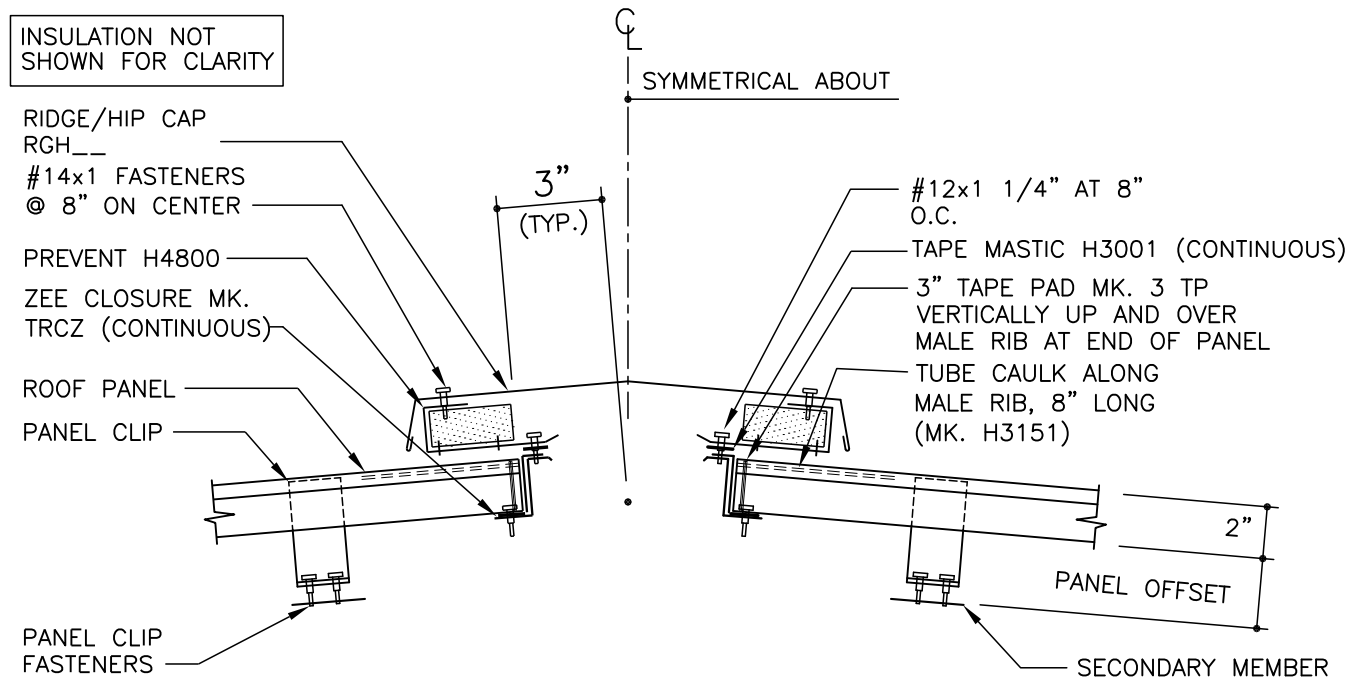
Assumes 5 mph wind speed

NU-24 / Rev. 7/09



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AC0150PE -VENTED RIDGE / HIP DETAIL (VR16 II ROOF)



VR16 II VENTED RIDGE/HIP DETAIL