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GENERAL INFORMATION

- 1. Re-working, cutting, reaming, shimming and fitting of structural connections may be required to match actual field conditions to make the tie-in structurally and aesthetically adequate.
- 2. Some roof details shown in this section are pictured with roof purlins. Some of the details may also be used in conjunction with roof joists.
- 3. Roof to wall tie-in details may require fieldwork to ensure weather tight conditions.
- 4. Nucor is not responsible for closures, flashing, mastic, fasteners, or any other accessories that may be required to adequately weatherproof existing wall and/or roof panels.

IMPORTANT NOTE:

In the case where a Nucor building is tying into an existing building, it is possible that the Nucor building will impose additional loads onto the existing structure. The Project Engineer of Record (not the metal building supplier) must investigate the existing building to insure it remains structurally adequate for strength and stability considerations with the additional loads. This may also be performed by a design professional retained by the building owner. In a case where the existing building is a Nucor structure, Nucor can provide this investigation via special request from the Builder for an additional charge. Nucor shall not be construed as the Project Engineer of Record on any project, and shall not be held responsible for the effects or the design of existing structures. Water runoff from the existing building may invalidate the Galvalume warranty on the new roof. Also, tie-in flashings are not by Nucor.



SECONDARY FRAMING

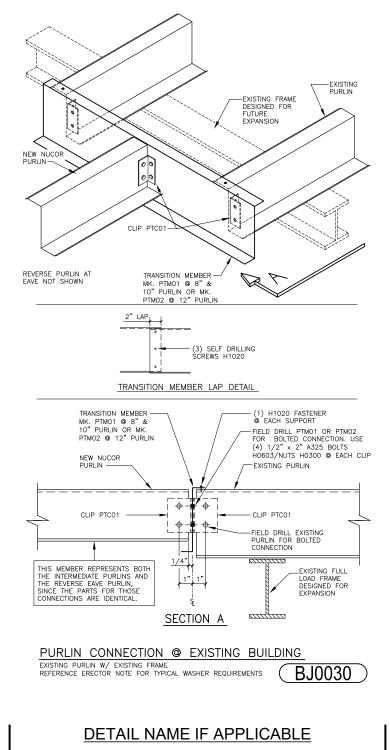
LAST REVISION

02/16/15

BY: <u>AK</u> CHK: <u>EGB</u>

DATE:

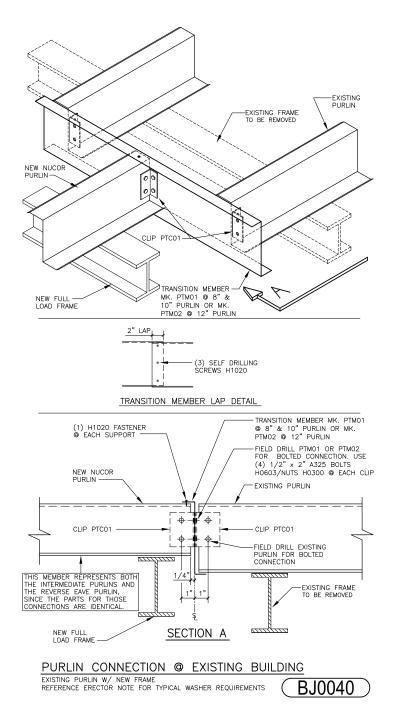
BJ0030 - PURLIN CONNECTION TO EXISTING NON-NUCOR BUILDING (W/ EXISTING FRAME)



BJ0030.DWG



BJ0040 - PURLIN CONNECTION TO EXISTING NON-NUCOR BUILDING (W/ NEW FRAME)

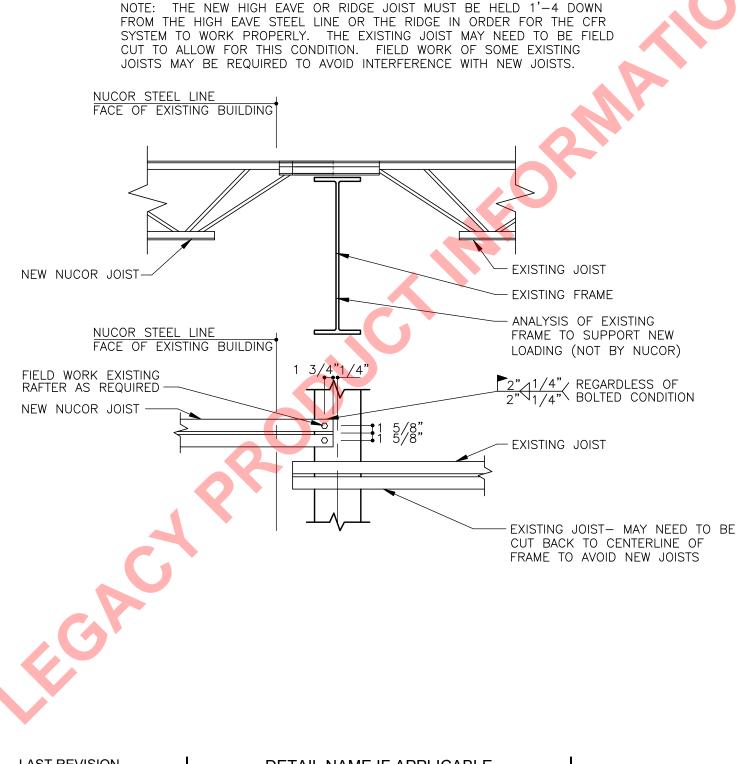


LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE

BJ0040.DWG



BT0010PE - OPTIONAL JOIST CONNECTION TO NON-NUCOR BUILDING (EXISTING FRAME)



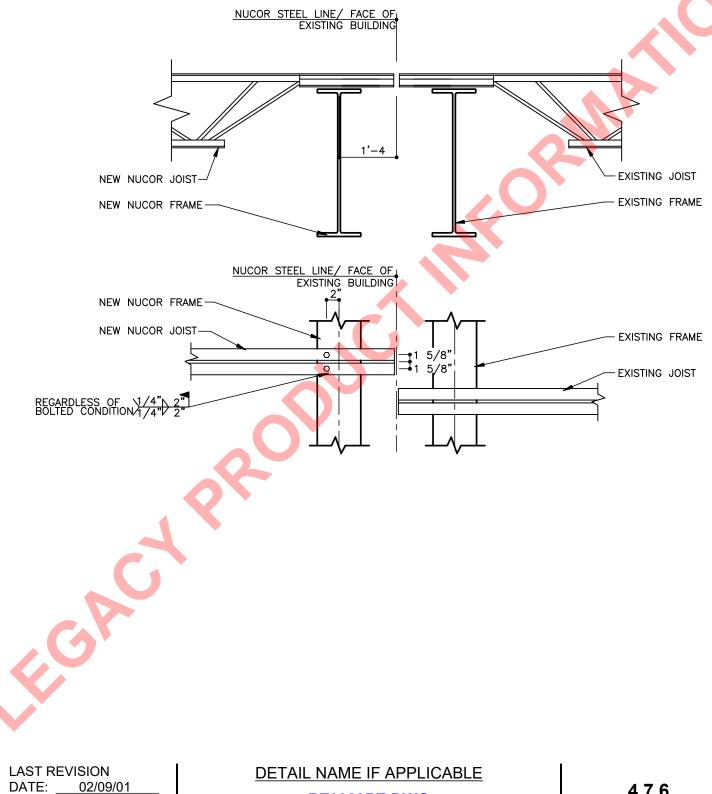
LAST REVISION DATE: <u>07/08/02</u> BY: <u>EGB</u> CHK: <u>RJF</u> DETAIL NAME IF APPLICABLE



BY: CDM CHK: RJF

PRODUCT & ENGINEERING MANUAL

BT0020PE – OPTIONAL JOIST CONNECTION TO NON-NUCOR BUILDING (NEW FRAME)



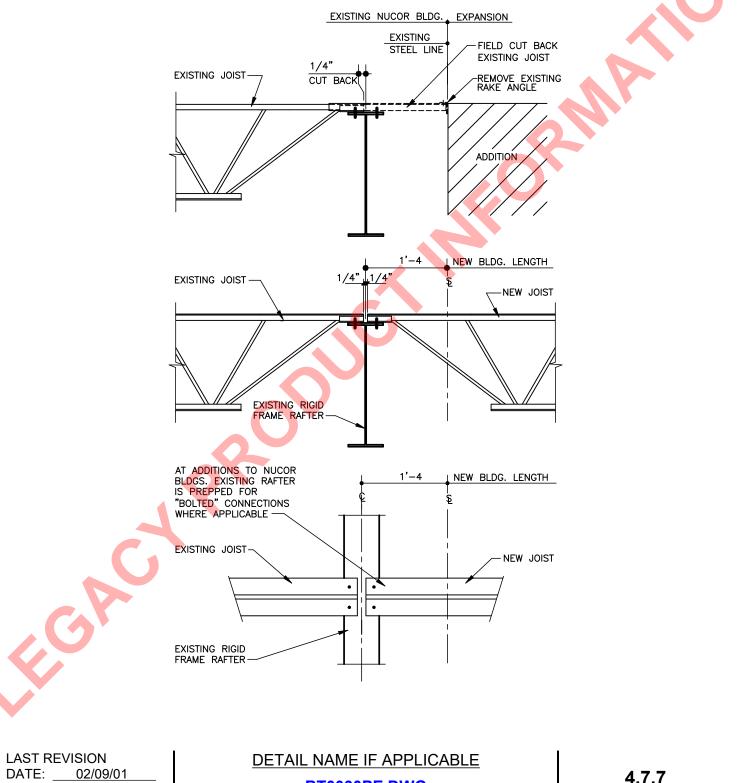
BT0020PE.DWG



BY: <u>CDM</u> CHK: <u>RJF</u>

PRODUCT & ENGINEERING MANUAL

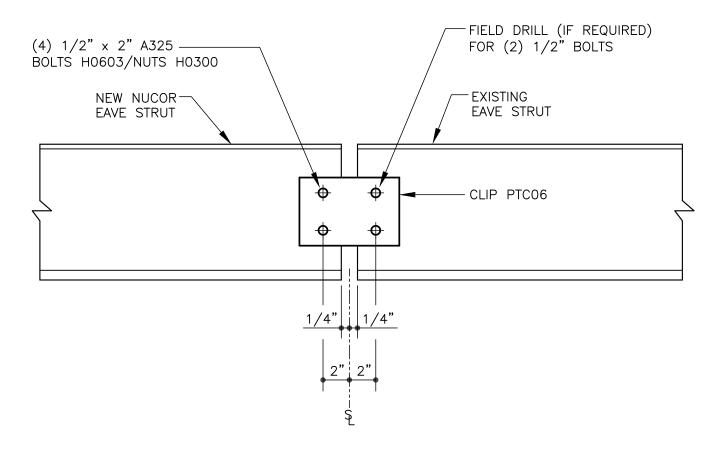
BT0030PE – STANDARD JOIST CONNECTION AT EXPANDABLE ENDWALL (FULL LOAD FRAME)



BT0030PE.DWG



BJ0090 - EAVE STRUT TO EXISTING @ HIGH SIDE OF BUILDING



EAVE STRUT CONN AT EXISTING BUILDING

NUCOR EXISTING EAVE STRUT @ HIGH SIDE OF BUILDING REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

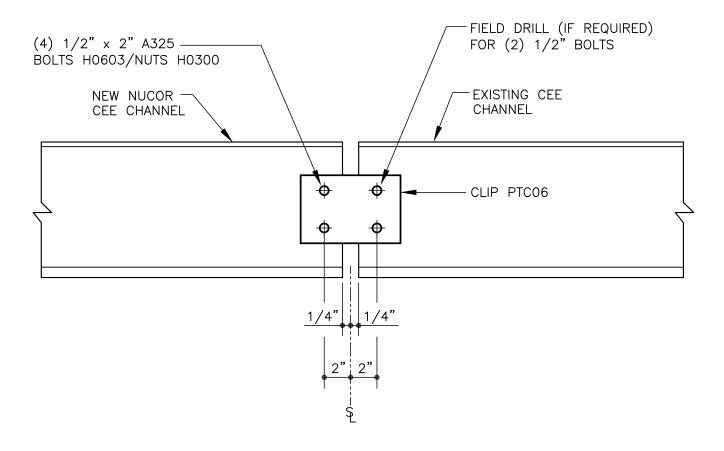


DETAIL NAME IF APPLICABLE

BJ0090.DWG

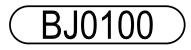


BJ0100 - CEE CHANNEL TO EXISTING @ HIGH SIDE OF BUILDING



CEE CHANNEL CONN AT EXISTING BUILDING

NUCOR EXISTING CEE CHANNEL @ HIGH SIDE OF BUILDING REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

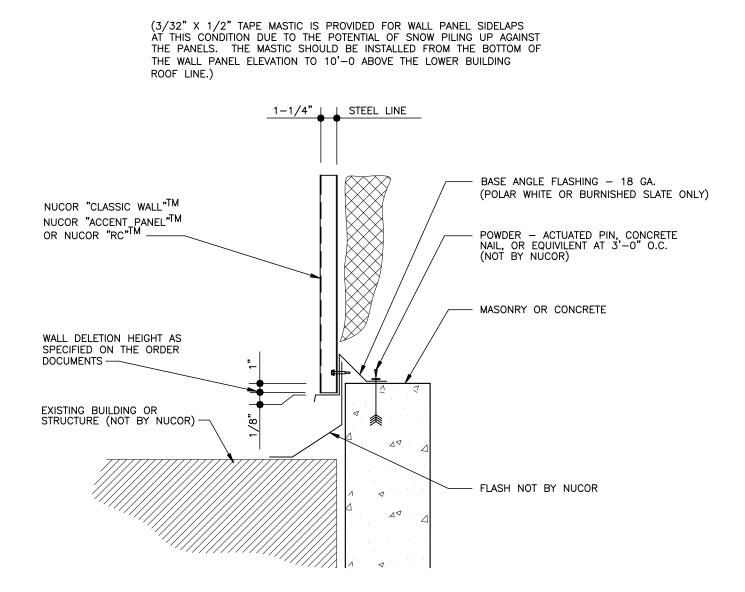


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BJ0100.DWG



BT0040PE – STANDARD BASE CONDITION AT MASONRY/CONCRETE (NON-NUCOR BUILDING TIE-IN)

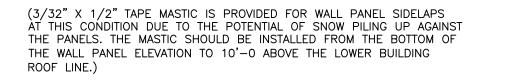


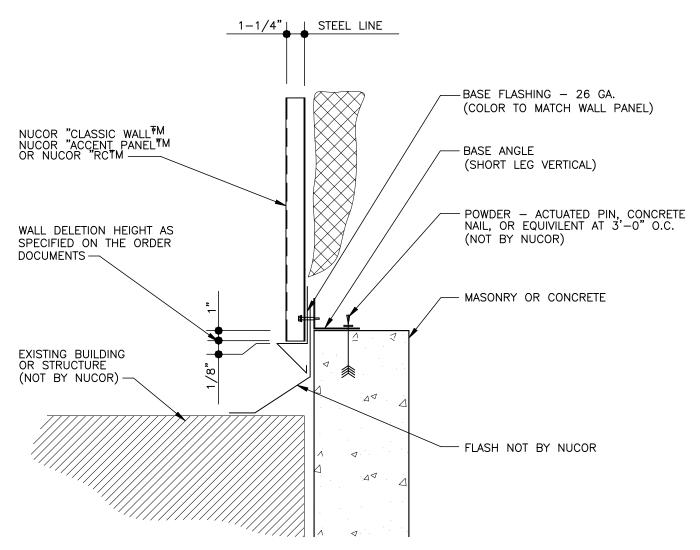
LAST REVISION DATE: <u>02/09/01</u> BY: <u>CDM</u> CHK: <u>RJF</u> DETAIL NAME IF APPLICABLE BT0040PE.DWG

4.7.10



BT0050PE – OPTIONAL BASE CONDITION AT MASONRY/CONCRETE (NON-NUCOR BUILDING TIE-IN)

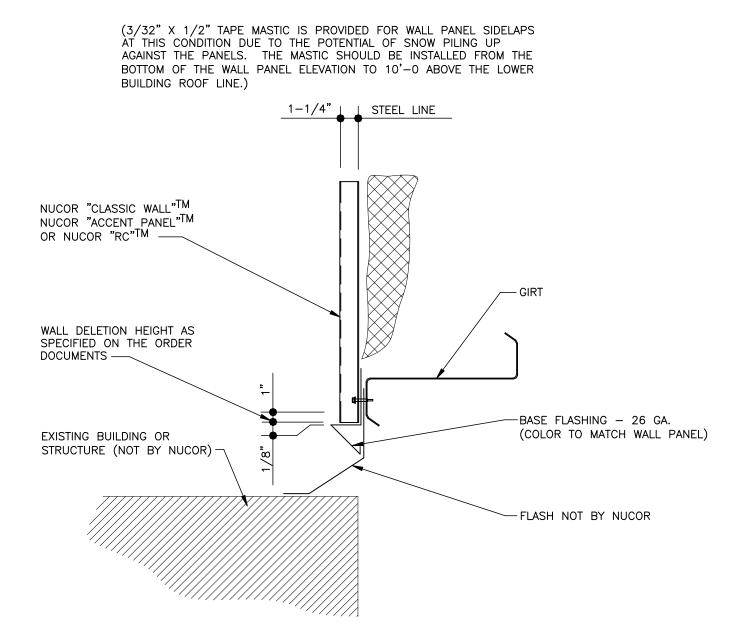




DETAIL NAME IF APPLICABLE BT0050PE.DWG



BT0060PE - STANDARD BASE CONDITION AT METAL WALL (NON-NUCOR BUILDING TIE-IN)



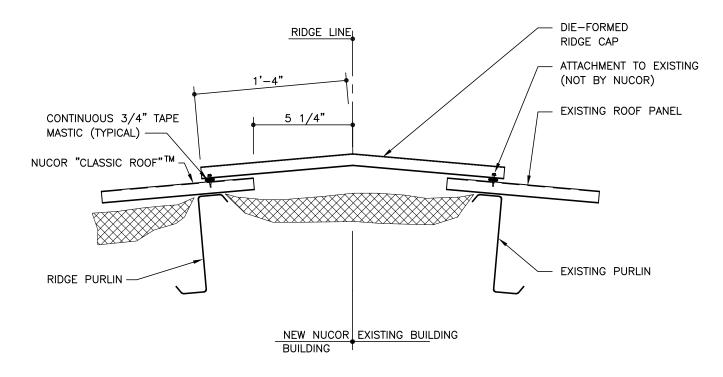
DETAIL NAME IF APPLICABLE

BT0060PE.DWG



ROOF SHEETING: NUCOR CLASSIC ROOF™

BT0070PE – NUCOR CLASSIC ROOF™ PANEL TO EXISTING ROOF PANEL AT RIDGE

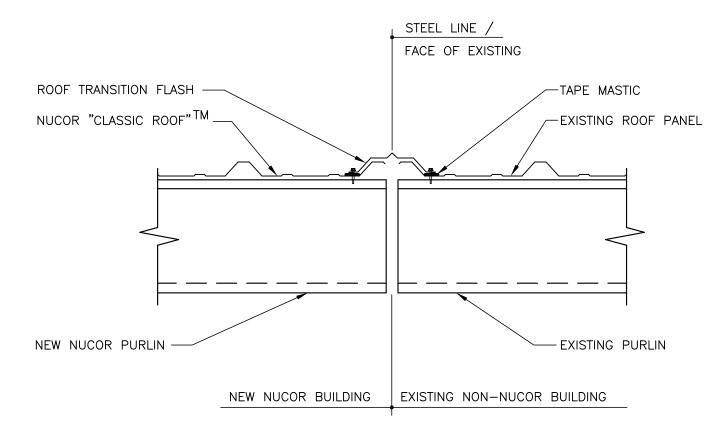


DETAIL NAME IF APPLICABLE

BT0070PE.DWG



BT0080PE - NUCOR CLASSIC ROOF™ PANEL TO EXISTING ROOF PANEL AT RAKE

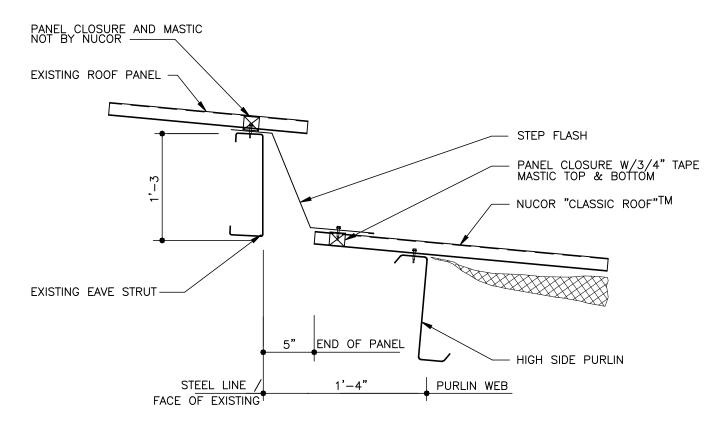


LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE

BT0080PE.DWG



BT0090PE - NUCOR CLASSIC ROOF™ PANEL TO EXISTING ROOF PANEL AT ROOF STEP

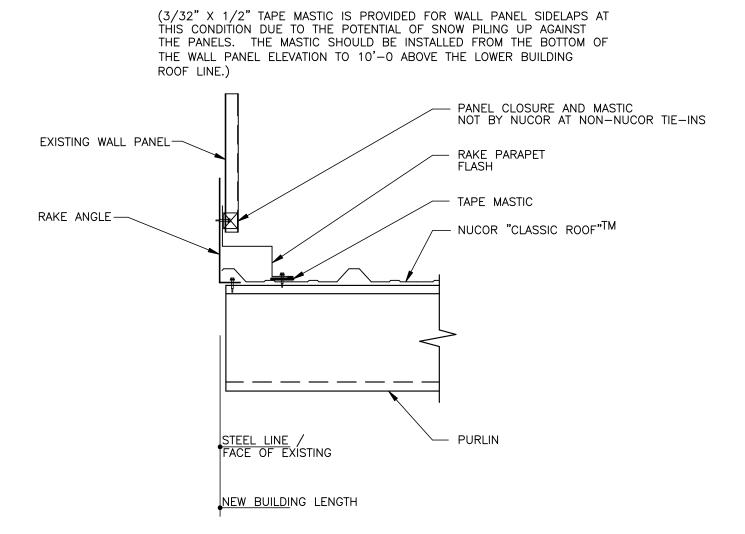


LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE BT0090PE.DWG

4.7.15



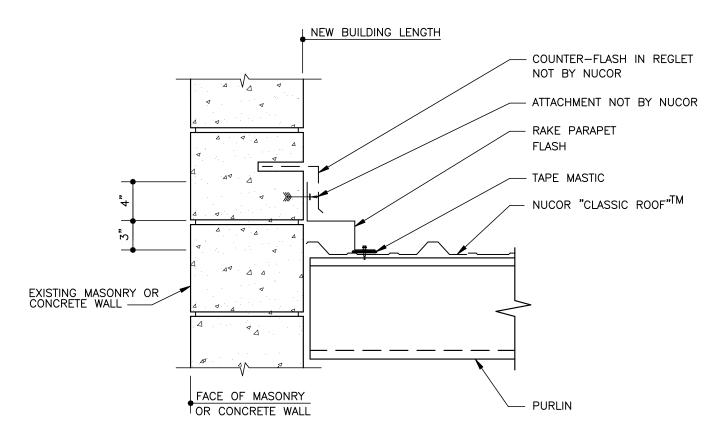
BT0100PE – NUCOR CLASSIC ROOF™ PANEL RAKE PARAPET TO EXISTING BUILDING



LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE
BT0100PE.DWG



BT0110PE – NUCOR CLASSIC ROOF™ PANEL RAKE PARAPET TO MASONRY OR CONCRETE

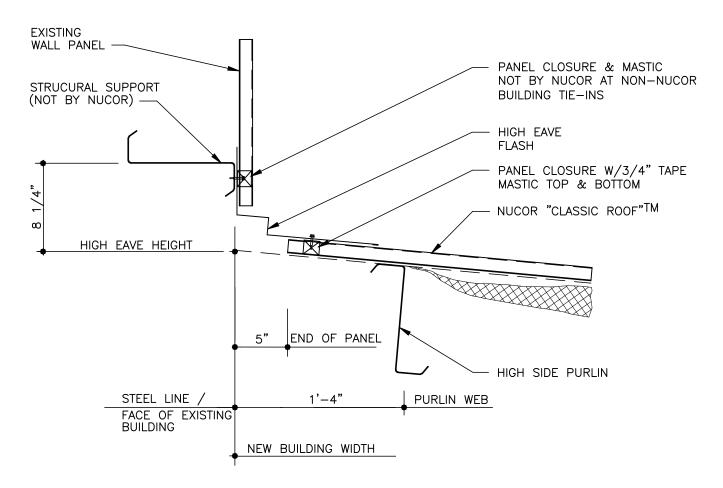


LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE



BT0120PE – NUCOR CLASSIC ROOF™ PANEL HIGH EAVE PARAPET TO EXISTING BUILDING

 $(3/32" \times 1/2"$ TAPE MASTIC IS PROVIDED FOR WALL PANEL SIDELAPS AT THIS CONDITION DUE TO THE POTENTIAL OF SNOW PILING UP AGAINST THE PANELS. THE MASTIC SHOULD BE INSTALLED FROM THE BOTTOM OF THE WALL PANEL ELEVATION TO 10'-0 ABOVE THE LOWER BUILDING ROOF LINE.)

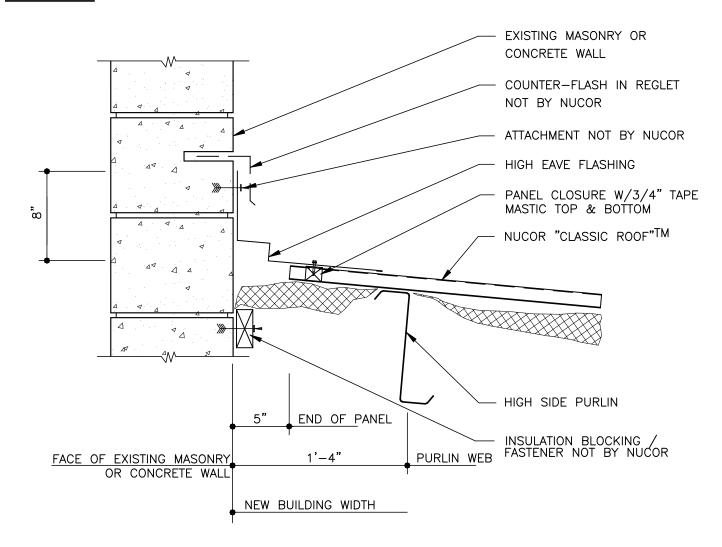


DETAIL NAME IF APPLICABLE

BT0120PE.DWG



BT0130PE – NUCOR CLASSIC ROOF™ PANEL RAKE PARAPET TO MASONRY OR CONCRETE



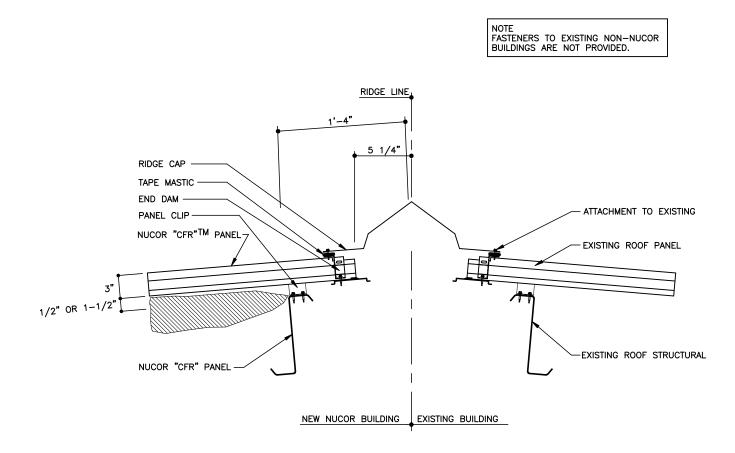
LAST REVISION DATE: <u>02/16/15</u> BY: <u>AK</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE
BT0130PE.DWG

4.7.19



ROOF SHEETING: NUCOR CFR™ ROOF

BT0140PE – NUCOR CFR™ ROOF PANEL TO EXISTING BUILDING AT RIDGE



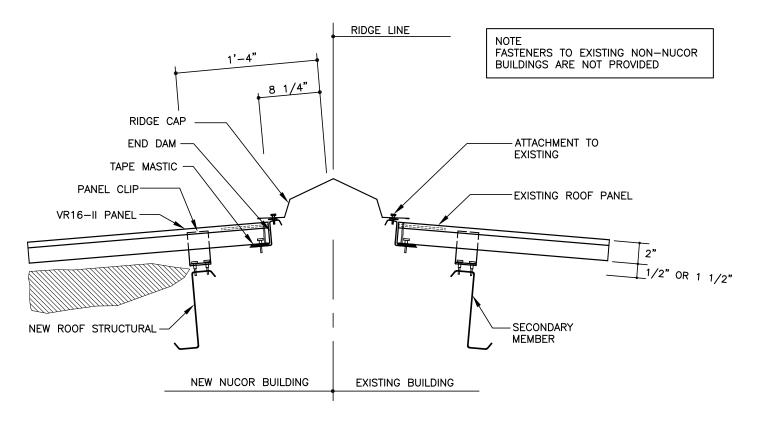
1. Refer to "Section 11.6" of the Product and Engineering Manual for all standard CFR Expansion Joint Details.

DETAIL NAME IF APPLICABLE BT0140PE.DWG



ROOF SHEETING: NUCOR VR16-II™ ROOF

BT0145PE – NUCOR VR16-II™ ROOF PANEL TO EXISTING BUILDING AT RIDGE



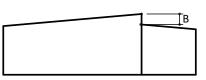
1. Refer to "Section 11.7" of the Product and Engineering Manual for all standard VR16-II Expansion Joint Details.

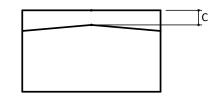
DETAIL NAME IF APPLICABLE BT0145PE.DWG



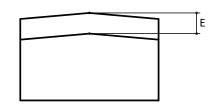
BT0150PE – STANDARD DIMENSIONS FOR ROOF TIE-IN TO EXISTING BUILDINGS







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MINIMUM ROOF TIE-IN DIMENSIONS			
CONDITION	CLASSIC	CFR	
A	1'-1"	1'-3"	
В	1'-1"	1'-10"	
C	10"	1'-6"	
D	10"	10"	
E	1'-1"	2'-3"	

LAST REVISION DATE: <u>10/17/11</u> BY: <u>RT</u> CHK: <u>EGB</u> DETAIL NAME IF APPLICABLE

4.7.22