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GENERAL NOTES

The future expansion details in this section are shown assuming the future expansion will be a Nucor Buildings Systems structure.

1. NBS will design the new structure for the future expansion based on the future expansion information given by the customer on the “Future Expansion Supplemental Form”. It is imperative that Nucor receives all applicable information regarding the future expansion so that Nucor understands and provides material for the correct conditions. Nucor Building Systems will not be responsible for the design of the new structure if the future expansion information changes after the new structure is already fabricated and/or erected.

2. The new building can be prepped for the primary structural connections of the future expansion, including but not limited to the high eave parapet support, mezzanine connections, and crane steel. The new building can be designed for future mezzanine and crane loads as specified in the order documents.

3. If the new building has a Post and Beam endwall condition, the future expansion from this endwall can only be accomplished by placing a new frame directly adjacent (within 2’-8”) of the Post and Beam frame.
ROOF STRUCTURAL DETAILS

AR0010 – LOW EAVE, BYPASS GIRTS

LOW-EAVE FUTURE EXPANSION
BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0010
AR020 – LOW EAVE, INSET GIRTS

LOW-EAVE FUTURE EXPANSION
INSET GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR020
AR0030 – LOW EAVE, FLUSH GIRTS

LOW-EAVE FUTURE EXPANSION
FLUSH GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0030
AR0040 – HIGH EAVE, BYPASS GIRTS

HIGH-EAVE FUTURE EXPANSION
BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0040
AR0060 – HIGH EAVE, INSET GIRTS

HIGH-EAVE FUTURE EXPANSION

INSET GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0060
AR0070 – HIGH EAVE, FLUSH GIRTS

HIGH—EAVE FUTURE EXPANSION

FLUSH GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0070.DWG
AR0080 – RIDGE, BYPASS GIRTS

FUTURE EXPANSION AT RIDGE
BYPASS GIRTS
BOLTS FOR FUTURE RAFTER WILL BE SUPPLIED AT TIME OF EXPANSION.

STEEL LINE 8” OR 10” FACE OF COLUMN
AR0090 – RIDGE, INSET GIRTS

FUTURE EXPANSION AT RIDGE
INSET GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0090
FUTURE EXPANSION AT RIDGE

FLUSH GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0100
AR0110 – LOW EAVE WITH GABLE BELOW, BYPASS GIRTS

LOW-EAVE WITH GABLE BLDG. BELOW
BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0110
AR0120 – LOW EAVE WITH GABLE BELOW, INSET GIRTS

LOW - EAVE WITH GABLE BLDG. BELOW
INSET GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0120
AR0130 – LOW EAVE WITH GABLE BELOW, FLUSH GIRTS

LOW-EAVE WITH GABLE BLDG. BELOW

FLUSH GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0130
AR0140 – HIGH EAVE WITH GABLE BELOW, BYPASS GIRTS

HIGH-EAVE WITH GABLE BLDG. BELOW
BYPASS GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0140
AR0150 – HIGH EAVE WITH GABLE BELOW, INSET GIRTS

EAVE HEIGHT

(10" MIN.) CLASSIC ROOF
(1-6" MIN.) CFR ROOF

MAP01 (L.L.V.)
H1020 (AT EACH SUPPORT)
PURLIN

FRAME COLUMN

STEEL LINE

1"

FACE OF COLUMN

HIGH–EAVE WITH GABLE BLDG. BELOW

INSET GIRTS
REFERENCE ERECTOR NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0150
AR0160 – HIGH EAVE WITH GABLE BELOW, FLUSH GIRTS

HIGH-EAVE WITH GABLE BLDG. BELOW

FLUSH GIRTS
REFERENCE ERECTED NOTE FOR TYPICAL WASHER REQUIREMENTS

AR0160
CLASSIC ROOF TRIM DETAILS

FE0010PE – HIGH EAVE FUTURE EXPANSION—RIDGE

CLASSIC ROOF RIDGE CAP

REMOVE HIGH EAVE TRIM & CLOSURE

EAVE MEMBER (PER DESIGN)

WALL PANEL CAN REMAIN OR BE REMOVED, BUT MUST BE STATED ON THE ORDER DOCUMENTS OF THE "PRESENT" BUILDING.

STEEL LINE

FUTURE NUCOR BUILDING
PRESENT NUCOR BUILDING
FE0020PE – LOW EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMAINS)

- **CAP TRIM**
- **LOW EAVE TRIM**
- **REMOVE GUTTER (IF APPLICABLE)**
- **HIGH EAVE PARAPET TRIM (PLACE BEHIND LOW EAVE TRIM AND REATTACH)**
- **EAVE MEMBER (PER DESIGN)**
- **ROOF LINE**
- **1'-1" (STD)**
- **STEEL LINE**
- **WALL PANEL REMAINS**
- **FUTURE NUCOR BUILDING**
  **PRESENT NUCOR BUILDING**
FE0030PE – LOW EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMOVED)

- REMOVE GUTTER (IF APPLICABLE)
- HIGH EAVE PARAPET TRIM
- FUTURE NUCOR BUILDING
- PRESENT NUCOR BUILDING
- EAVE MEMBER (PER DESIGN)
- ROOF LINE
- STEEL LINE

1'-1" (STD)
FE0040PE – LOW EAVE FUTURE EXPANSION (BELOW EAVE)

- **Cap trim**
- **Low eave trim**
- **Remove gutter (if applicable)**
- **Wall panel**
- **High eave parapet trim**
- **Roof line**
- **Steel line**
- **Future Nucor building**
- **Present Nucor building**

**Eave member (per design)**

**High eave parapet support (per design)**

**Wall panel (if required)**

Greater than 1'-1"
FE0050PE – HIGH EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMAINS)

- CAP TRIM
- HIGH EAVE TRIM
- HIGH EAVE PARAPET TRIM (PLACE BEHIND HIGH EAVE TRIM AND REATTACH)
- ROOF LINE
- EAVE MEMBER (PER DESIGN)
- STEEL LINE
- WALL PANEL REMAINS
- FUTURE NUCOR BUILDING PRESENT NUCOR BUILDING

LAST REVISION
DATE: 04/17/09
BY: AES CHK: KMC

DETAIL NAME IF APPLICABLE
FE0050PE.DWG
FE0060PE – HIGH EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMOVED)

HIGH EAVE TRIM

HIGH EAVE PARAPET TRIM (PLACE BEHIND HIGH EAVE TRIM AND REATTACH)

EAVE ANGLE

ROOF LINE

1 1/4"

1' - 1” (STD)

EAVE MEMBER (PER DESIGN)

STEEL LINE

FUTURE NUCOR BUILDING

PRESENT NUCOR BUILDING
FE0070PE – HIGH EAVE FUTURE EXPANSION (BELOW EAVE)

- Cap Trim
- High Eave Trim
- Wall Panel
- High Eave Parapet Trim
- Roof Line
- Eave Member (Per Design)
- High Eave Parapet Support (Per Design)
- Greater than 1'-1"
- Steel Line
- Future Nucor Building
- Present Nucor Building

Last Revision: 04/17/09
By: AES CHK: KMC
Detail Name If Applicable: FE0070PE.DWG
CFR ROOF TRIM DETAILS

FE0080PE – HIGH EAVE FUTURE EXPANSION—RIDGE

- **Steel Line**
- **CFR Ridge Cap**
- **Remove High Eave Trim**
- **Wall Panel Can Remain or Be Removed.**

**Future Nucor Building** vs **Present Nucor Building**
FE0090PE – LOW EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMAINS)

- CAP TRIM
- REMOVE GUTTER (IF APPLICABLE)
- HIGH EAVE PARAPET TRIM (PLACE BEHIND LOW EAVE TRIM AND REATTACH)
- LOW EAVE TRIM
- WALL PANEL REMAINS
- STEEL LINE
- ROOF LINE
- 1’-3” (STD)

FUTURE NUCOR BUILDING  PRESENT NUCOR BUILDING
FE0100PE – LOW EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMOVED)

REMOVE GUTTER (IF APPLICABLE)

HIGH EAVE PARAPET TRIM

1'-3" (STD)

STEEL LINE

FUTURE NUCOR BUILDING PRESENT NUCOR BUILDING
FE0110PE – LOW EAVE FUTURE EXPANSION

REMOVE GUTTER (IF APPLICABLE)

CAP TRIM
LOW EAVE TRIM

WALL PANEL

HIGH EAVE PARAPET TRIM

EAVE MEMBER (PER DESIGN)
HIGH EAVE PARAPET SUPPORT (PER DESIGN)

WALL PANEL (IF REQUIRED)

0'–10"
GREATER THAN 1'–4"

ROOF LINE
STEEL LINE

FUTURE NUCOR BUILDING
PRESENT NUCOR BUILDING
FE0120PE – HIGH EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMAINS)

- HIGH EAVE TRIM
- CAP TRIM
- RAKE RETAINER TRIM
- HIGH EAVE PARAPET TRIM (PLACE BEHIND RAKE RETAINER TRIM AND REATTACH)

1'-10" (STD)

- EAVE MEMBER (PER DESIGN)
- WALL PANEL REMAINS
- STEEL LINE

FUTURE NUCOR BUILDING PRESENT NUCOR BUILDING
FE0130PE – HIGH EAVE FUTURE EXPANSION ROOF STEP (WALL PANEL REMOVED)

HIGH EAVE TRIM

RAKE RETAINER TRIM

HIGH EAVE PARAPET TRIM (PLACE BEHIND RAKE RETAINER TRIM AND REATTACH)

1 1/4"

EAVE MEMBER (PER DESIGN)

1’-10” (STD)

FUTURE NUCOR BUILDING

PRESENT NUCOR BUILDING

STEEL LINE

EAVE ANGLE

ROOF LINE

ROOF LINE
FE0140PE – HIGH EAVE FUTURE EXPANSION (BELOW EAVE)

HIGH EAVE TRIM

CAP TRIM

RAKE RETAINER TRIM

WALL PANEL

HIGH EAVE PARAPET TRIM

EAVE MEMBER (PER DESIGN)

HIGH EAVE PARAPET SUPPORT (PER DESIGN)

GREATER THAN 1’-10"

WALL PANEL (IF REQUIRED)

ROOF LINE

STEEL LINE

FUTURE NUCOR BUILDING

PRESENT NUCOR BUILDING