

Product Manual - Long Span III Panel - Wall Covering

EA37/AB, Outside Closure Installation at Eave

RA01/AB, Panel Closure Detail at Rake

WC05/AB, Fastener Layout

WC06/AB, Wall Panel Endlap

WC08/AB, Pre-Drilling for Fastener Locations

WC20/AB, Typical Corner Detail at Panels

WC21/AB, Corner Flashing Detail (Outside)

WC21B/AB, Corner Flashing Detail (Outside) at Open Wall Transition

WC26/AB, Corner Flashing Detail (Inside)

WC26B/AB, Corner Flashing Detail (Inside) At Open Wall Transition

WC40/AB, Partially Open Wall Base Trim at Girt With Flush Panel

WC41/AB, Partially Open Wall Base Trim at Girt, Panel Extends 1 1/2"

WC61/AB, Basic Parts and Pieces

WC64/AB, Wall Panel Installation

WC75/AB, Panel Backlapping

WC80/AB, Transverse Expansion Joint Detail at Sidewall

WWC20/AB, Typical Corner Detail at Panels

WWC21/AB, Corner Flashing Detail (Outside)

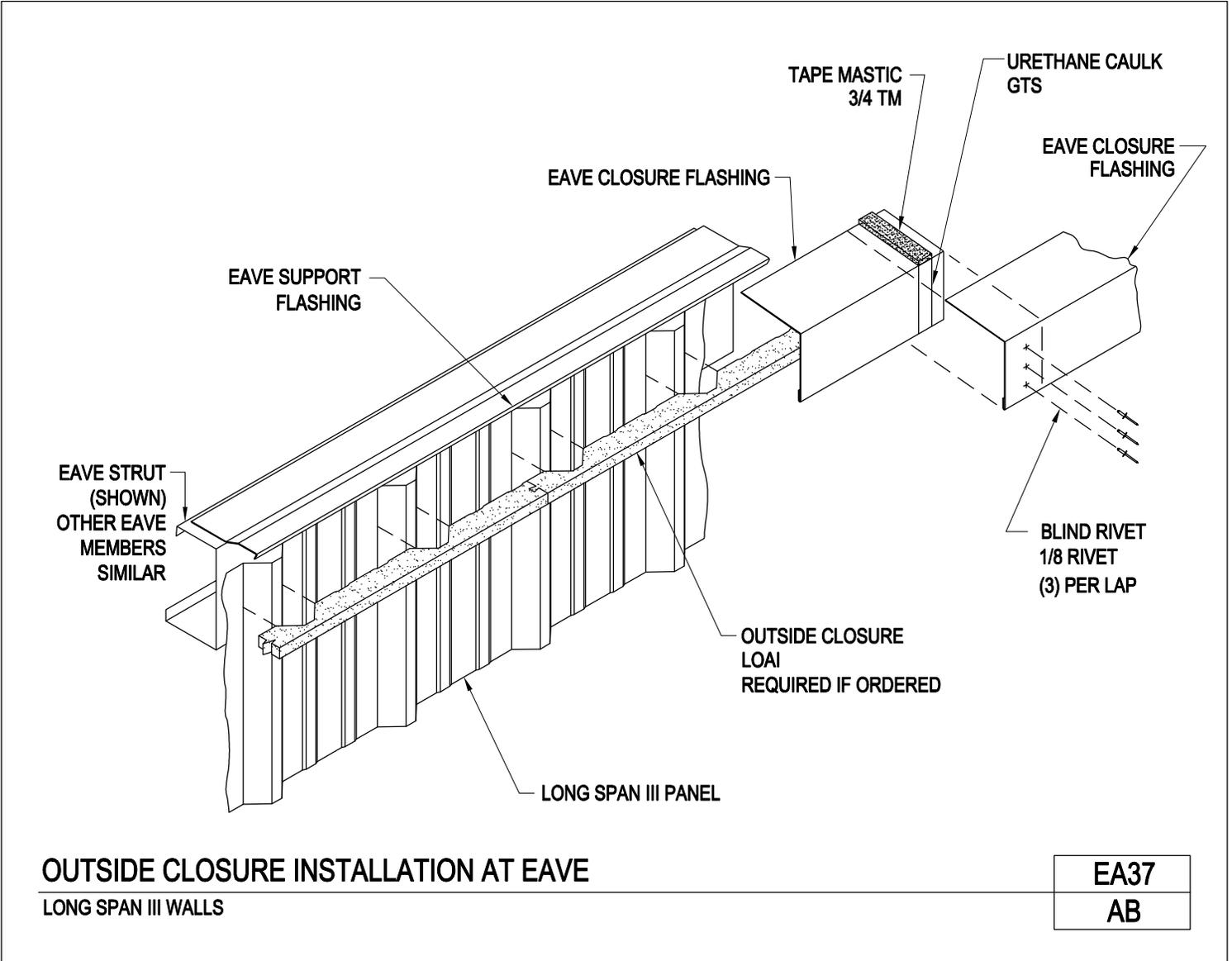
WWC21B/AB, Corner Flashing Detail (Outside) at Open Wall

WWC26B/AB, Corner Flashing Detail (Inside) At Open Wall Ti

WWC40/AB, Partially Open Wall Base Trim at Girt With Flush Panel

WWC41/AB, Partially Open Wall Base Trim at Girt, Panel Ex

Outside Closure Installation at Eave
Long Span III Wall
EA37/AB



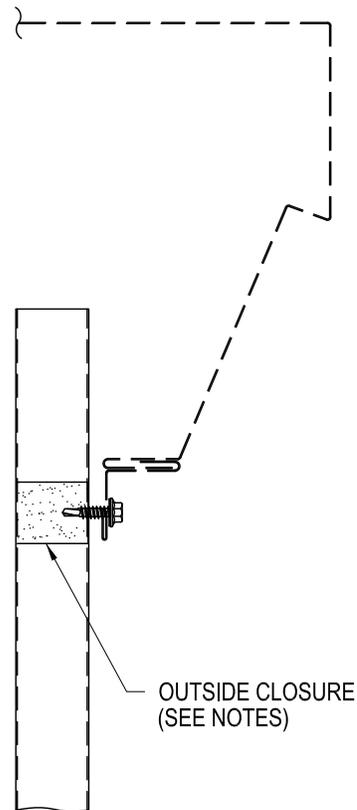
[Download the DWG file by clicking here.](#)

[To Section Index](#)

Panel Closure Detail at Rake
Architectural III, Architectural "V" Rib or Long Span III Walls
RA01/AB

NOTES:

1. OUTSIDE CLOSURE, AOLI/AVKO/AVNO/LOAI
REQUIRED IF ORDERED FOR BUILDING SLOPES
1 1/2 : 12 OR LESS
2. BEVEL CLOSURE
REQUIRED IF ORDERED FOR BUILDING SLOPES
GREATER THAN 1 1/2 : 12



PANEL CLOSURE DETAIL AT RAKE

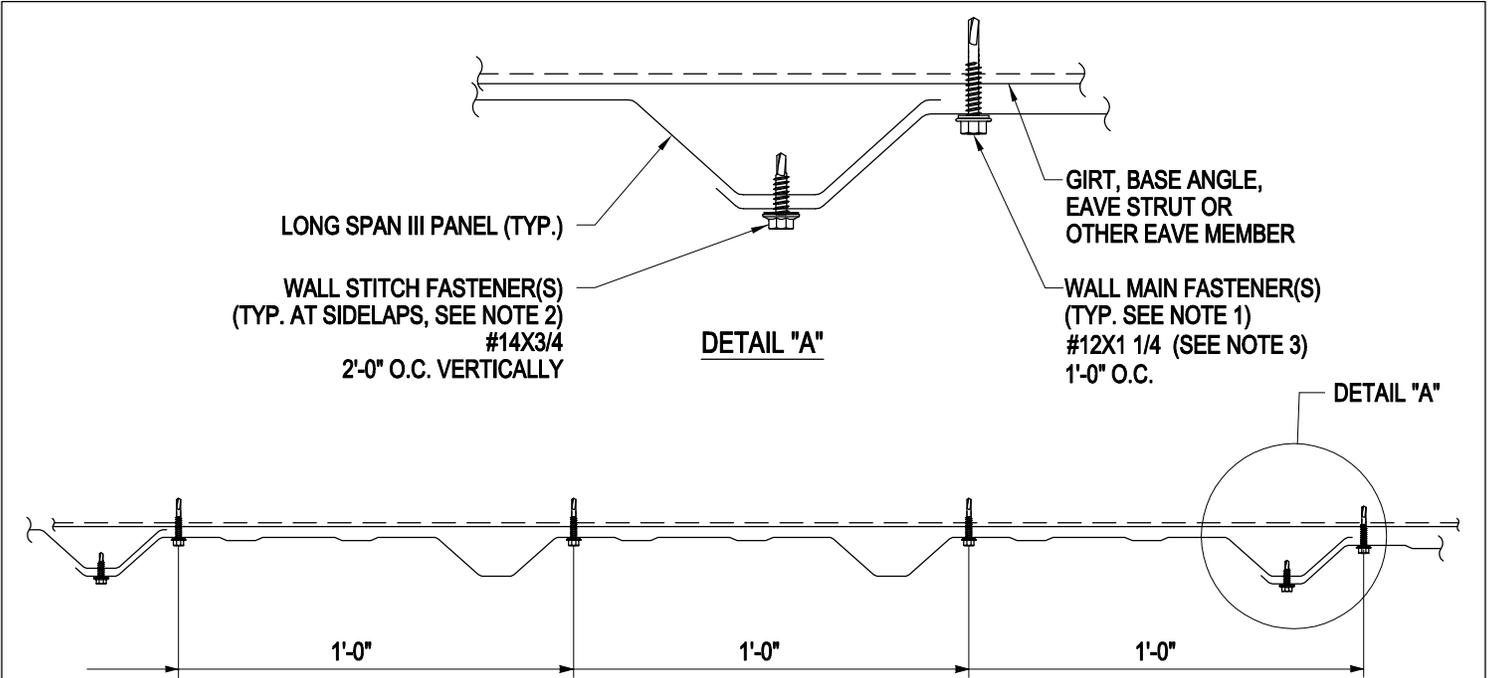
ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

RA01
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Fastener Layout
Long Span III Wall
WC05/AB



NOTE:

1. WALL FASTENER(S) REQUIRED AT SIDEWALL AND ENDWALL GIRTS, BASE ANGLE, EAVE STRUT AND GABLE ANGLE. FASTENER LAYOUT SHOWN ALSO APPLIES FOR LINER AND PARTITION PANELS.
2. PANEL STITCH FASTENER(S) AS SHOWN REQ'D. ONLY AT PANEL SIDELAPS OR AT FLASHING LAPS AND FLASHING TO PANEL CONNECTIONS.
3. #12X2 FASTENERS w/ 6" INSULATION.

FASTENER LAYOUT

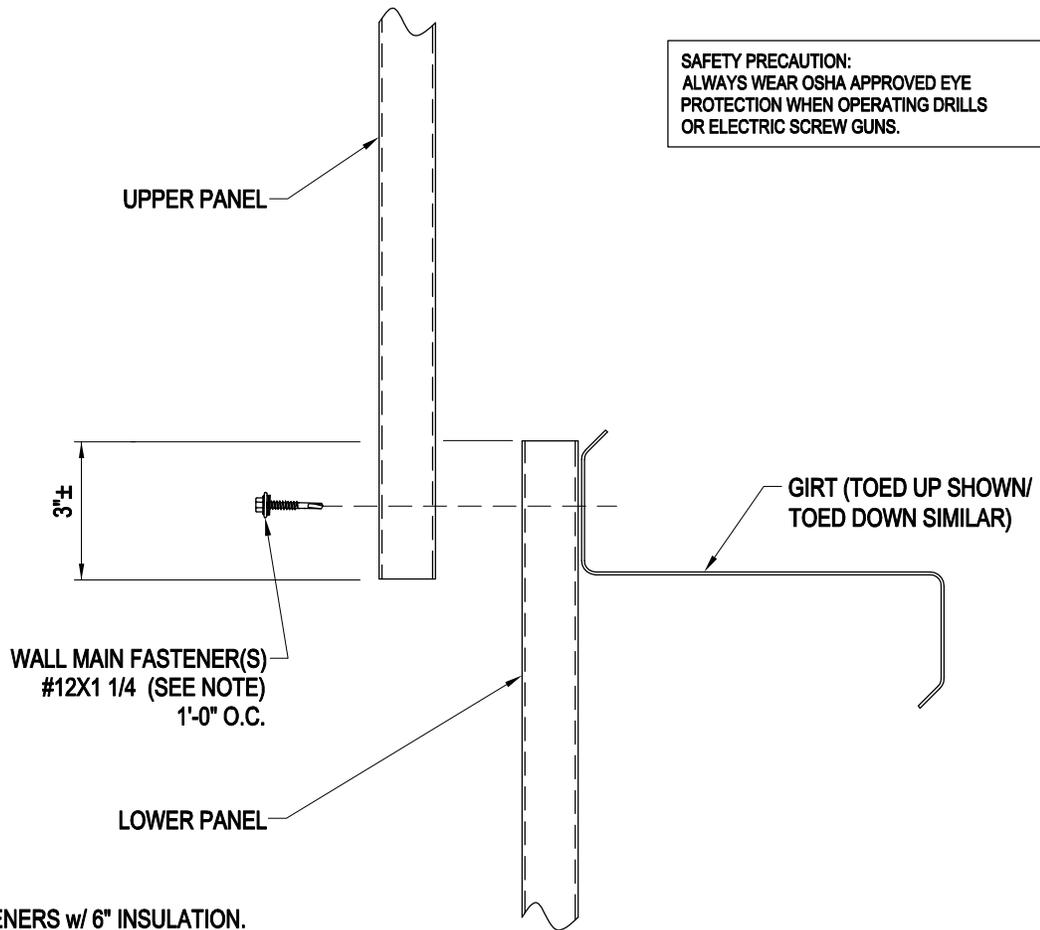
LONG SPAN III WALLS

WC05
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Wall Panel Endlap
 Architectural III, Architectural "V" Rib or Long Span III Walls
 WC06/AB



WALL PANEL ENDLAP

ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

WC06
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

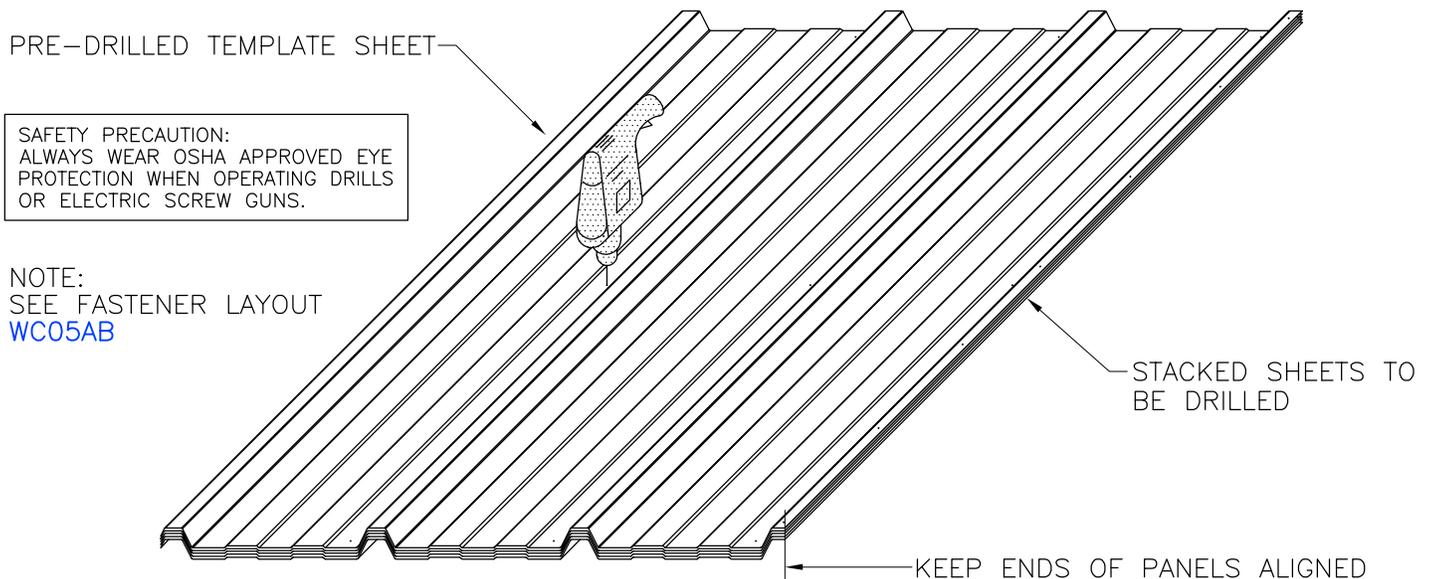
Pre-Drilling for Fastener Locations

Long Span III Wall

WC08/AB

GOOD ALIGNMENT OF THE FASTENERS WILL GIVE A PROFESSIONAL APPEARANCE OF SHEET INSTALLATION. THIS CAN BE ACCOMPLISHED BY PRE-DRILLING HOLES IN THE SHEETS AT IDENTICAL LOCATIONS. UP TO 15 SHEETS CAN BE STACKED TOGETHER AND DRILLED USING A TEMPLATE SHEET. USE 1/8" OR 5/32" DIAMETER DRILL BIT FOR SHEET TO STRUCTURAL FASTENERS. AND A 1/4" DIAMETER BIT FOR THE SIDELAP CLEARANCE HOLES. CLEAN METAL FILINGS OFF PANEL SURFACES AFTER DRILLING TO AVOID RUST STAINS.

THE TEMPLATE SHEET SHOULD BE LAID OUT IN ACCORDANCE WITH THE BUILDING ERECTION DRAWINGS. SINCE PRE-DRILLING WILL "HAND" THE SHEETS IT IS NECESSARY TO SELECT THE END OF THE BUILDING FROM WHICH THE SHEETING IS TO BEGIN. PRIOR TO DRILLING THE TEMPLATE SHEET IT SHOULD BE CHECKED FOR PROPER HOLE LOCATIONS AGAINST THE BUILDING FRAMEWORK. BE SURE THERE IS NO SAG IN THE PURLINS OR GIRTS.



PRE-DRILLING FOR FASTENER LOCATIONS

LONG SPAN III WALL PANELS

WC08
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)



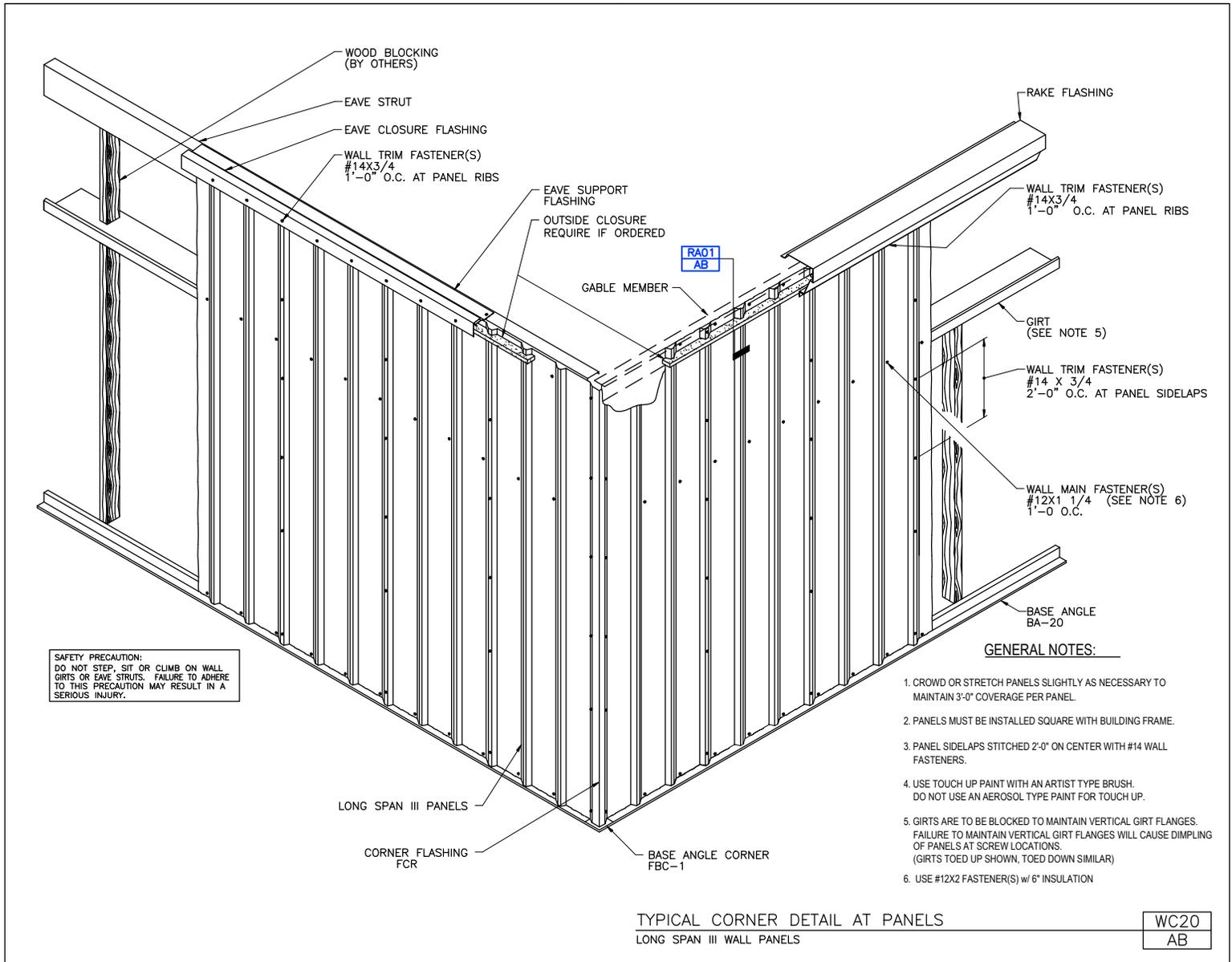
AMERICAN BUILDINGS

A NUCOR COMPANY

PRODUCT MANUAL

LONG SPAN III WALL PANEL

Typical Corner Detail at Panels Long Span III Wall WC20/AB

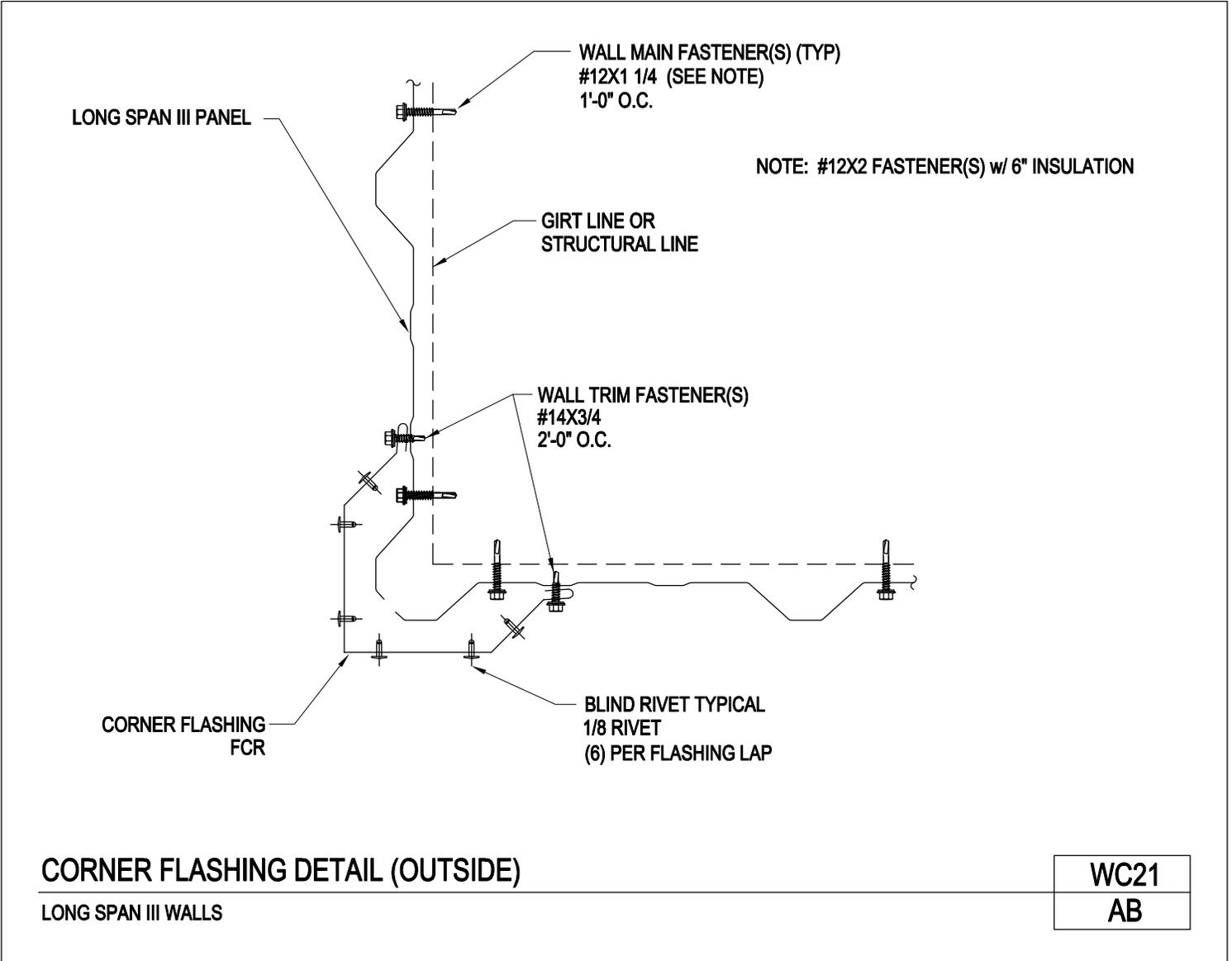


[Download the DWG file by clicking here.](#)

[To Section Index](#)

Revised: 11-15-2019 (MR2019.12)

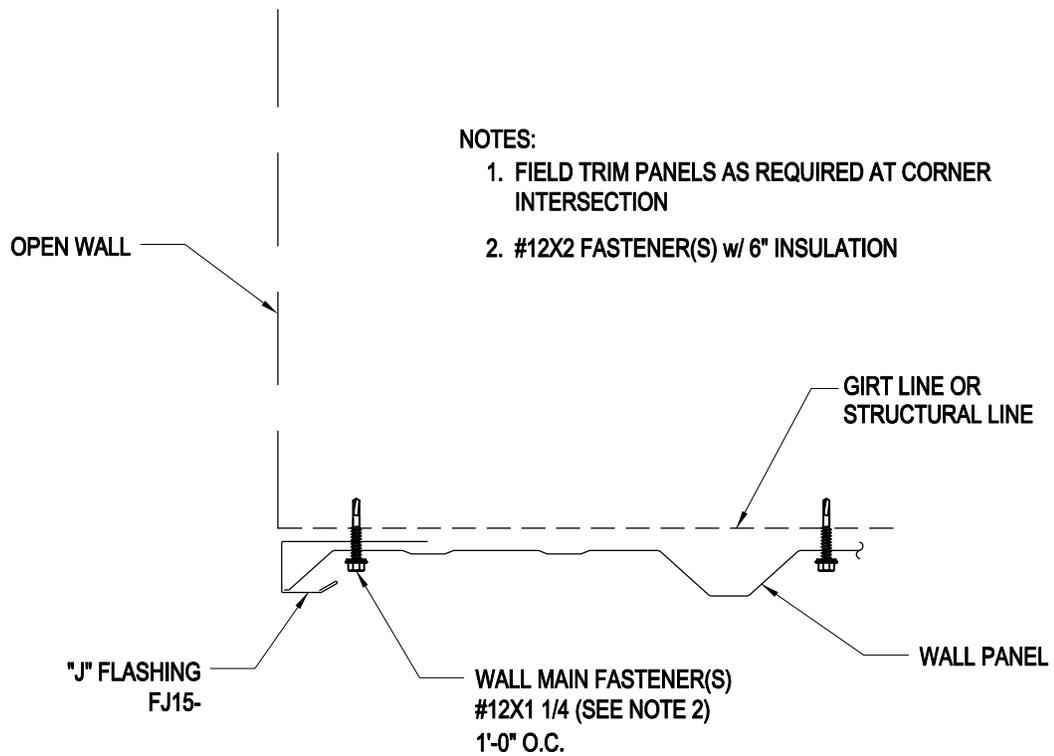
Corner Flashing Detail (Outside)
Long Span III Wall
WC21/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)

Corner Flashing Detail (Outside) at Open Wall Transition
Long Span III Wall
WC21B/AB



CORNER FLASHING DETAIL (OUTSIDE) AT OPEN WALL TRANSITION

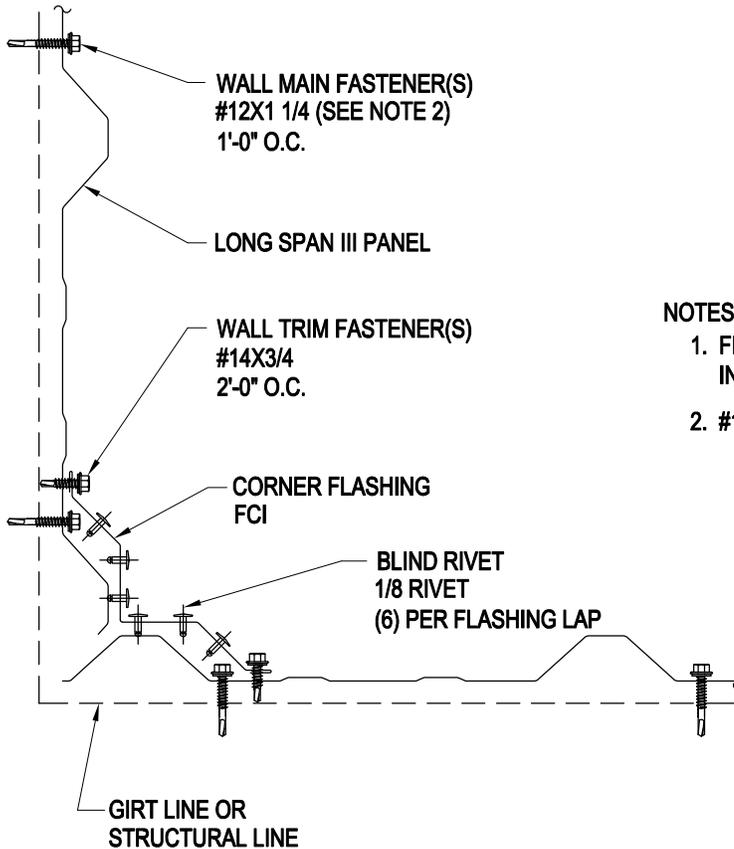
LONG SPAN III WALLS

WC21B
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Corner Flashing Detail (Inside)
Long Span III Wall
WC26/AB



SAFETY PRECAUTION:
ALWAYS WEAR OSHA APPROVED EYE
PROTECTION WHEN OPERATING DRILLS
OR ELECTRIC SCREW GUNS.

NOTES:

1. FIELD TRIM PANELS AS REQUIRED AT CORNER INTERSECTION
2. #12X2 FASTENER(S) w/ 6" INSULATION

CORNER FLASHING DETAIL (INSIDE)

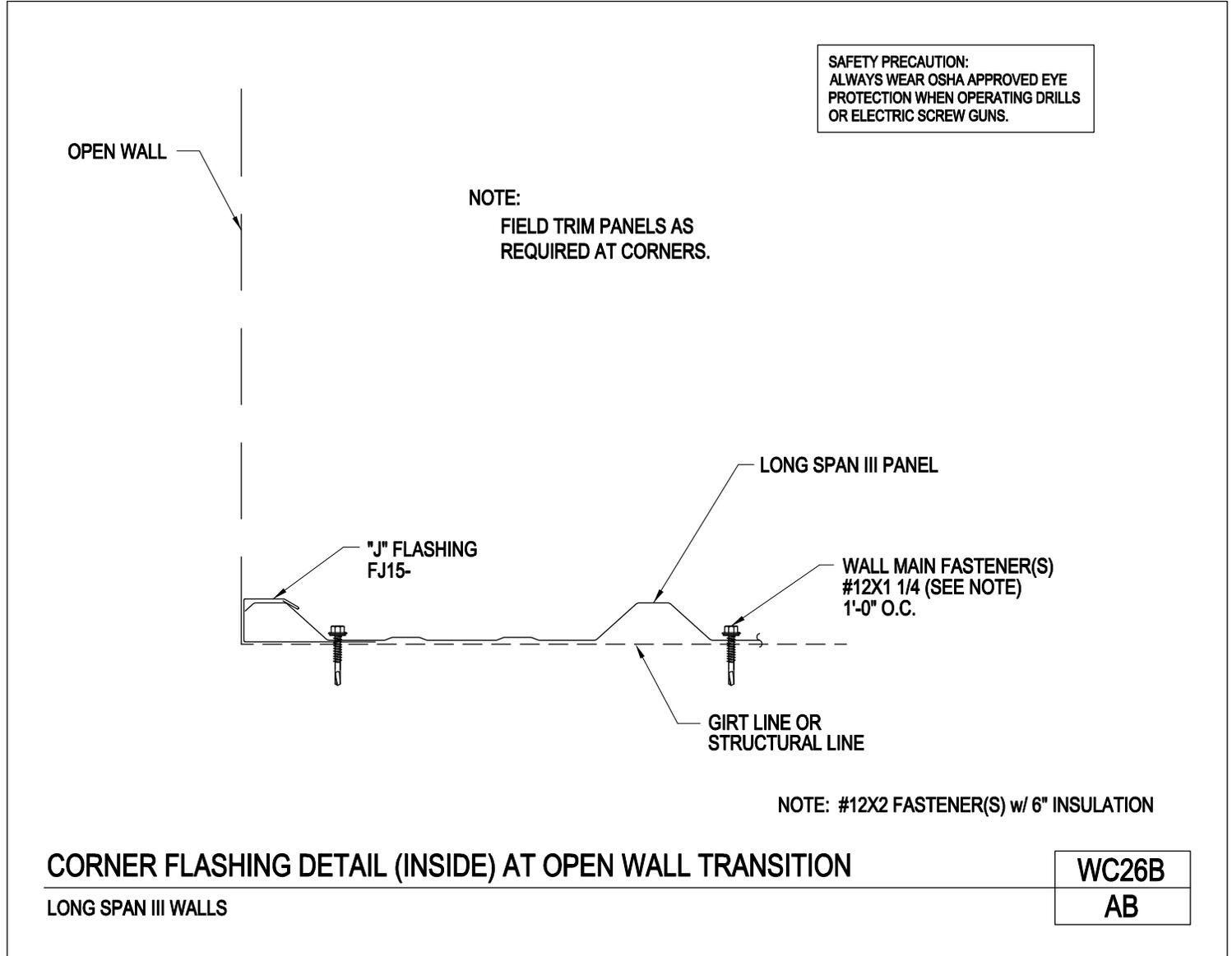
LONG SPAN III WALLS

WC26
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Corner Flashing Detail (Inside) At Open Wall Transition
Long Span III Wall
WC26B/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)



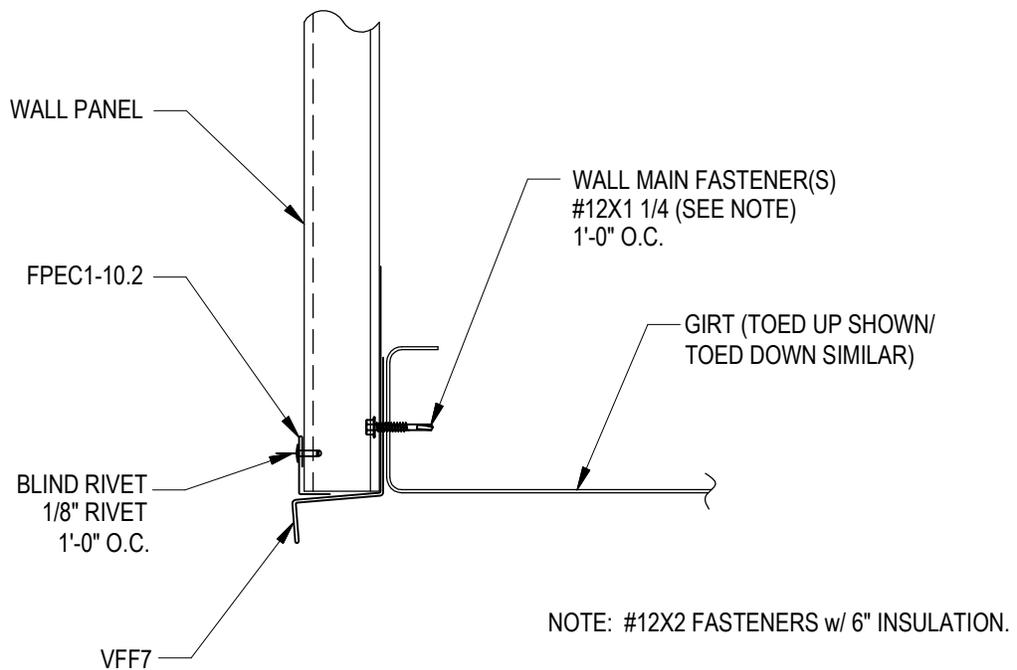
**AMERICAN
BUILDINGS**

A **NUCOR** COMPANY

PRODUCT MANUAL

LONG SPAN III WALL PANEL

Partially Open Wall Base Trim at Girt With Flush Panel
Architectural III, Architectural "V" Rib or Long Span III Walls
WC40/AB



PARTIALLY OPEN WALL BASE TRIM AT GIRT WITH FLUSH PANEL

ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

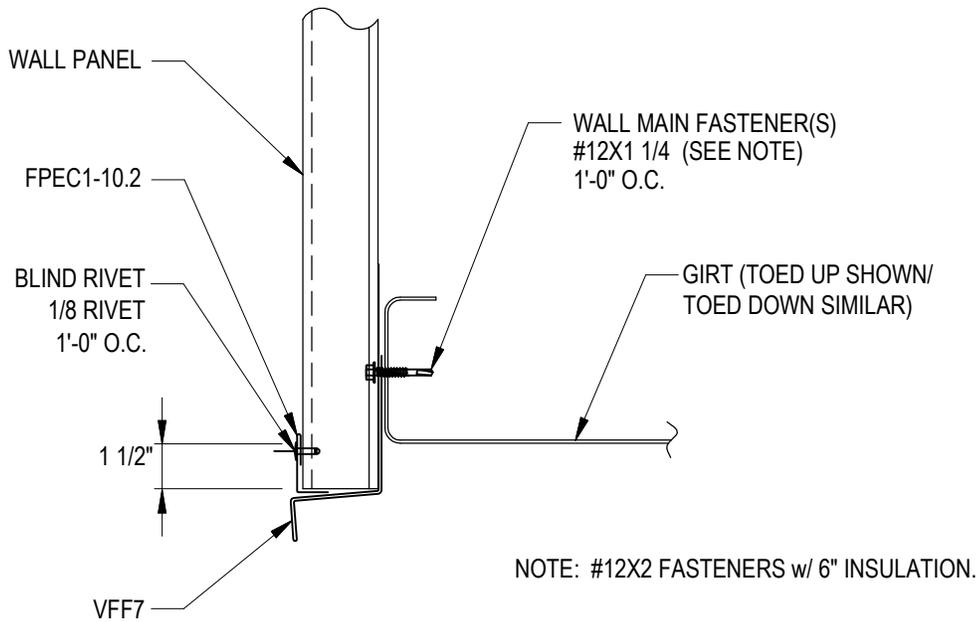
WC40

AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Partially Open Wall Base Trim at Girt, Panel Extends 1 1/2"
Architectural III, Architectural "V" Rib or Long Span III Walls
WC41/AB



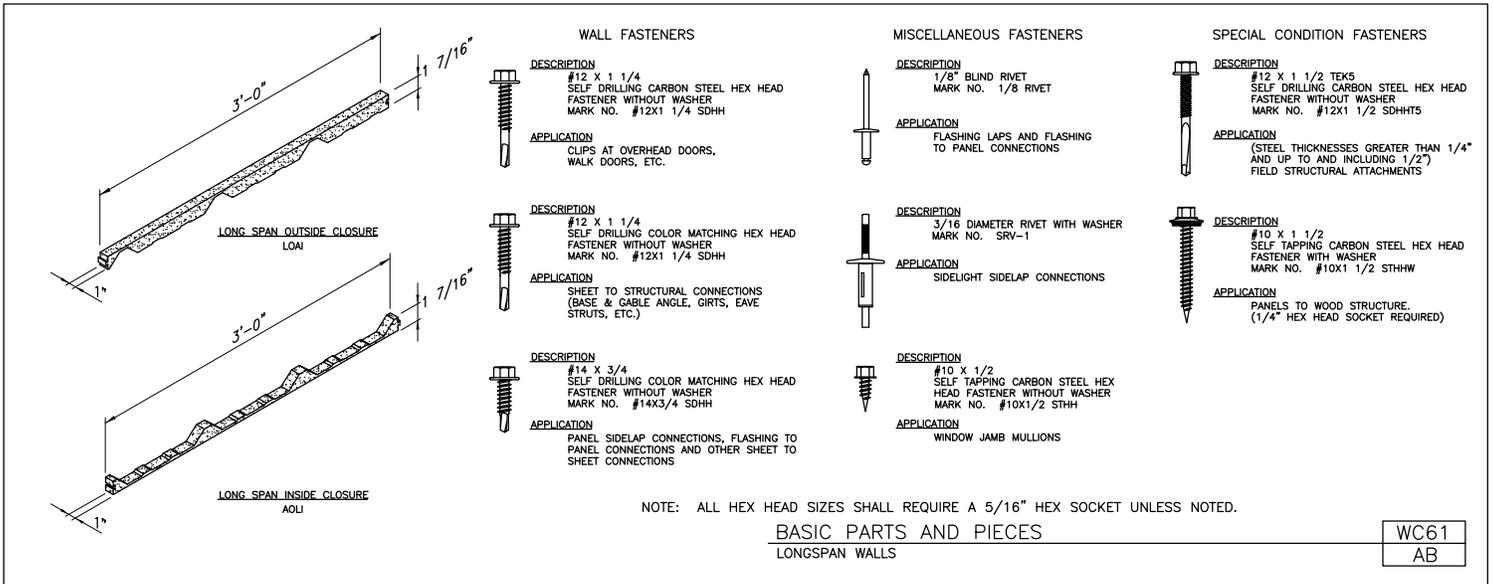
PARTIALLY OPEN WALL BASE TRIM AT GIRT, PANEL EXTENDS 1 1/2"
ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

WC41
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Basic Parts and Pieces
 Long Span III Wall
 WC61/AB



WALL FASTENERS

DESCRIPTION
 #12 X 1 1/4
 SELF DRILLING CARBON STEEL HEX HEAD
 FASTENER WITHOUT WASHER
 MARK NO. #12X1 1/4 SDHH

APPLICATION
 CLIPS AT OVERHEAD DOORS,
 WALK DOORS, ETC.

DESCRIPTION
 #12 X 1 1/4
 SELF DRILLING COLOR MATCHING HEX HEAD
 FASTENER WITHOUT WASHER
 MARK NO. #12X1 1/4 SDHH

APPLICATION
 SHEET TO STRUCTURAL CONNECTIONS
 (BASE & GABLE ANGLE, GIRTS, EAVE
 STRUTS, ETC.)

DESCRIPTION
 #14 X 3/4
 SELF DRILLING COLOR MATCHING HEX HEAD
 FASTENER WITHOUT WASHER
 MARK NO. #14X3/4 SDHH

APPLICATION
 PANEL SIDELAP CONNECTIONS, FLASHING TO
 PANEL CONNECTIONS AND OTHER SHEET TO
 SHEET CONNECTIONS

MISCELLANEOUS FASTENERS

DESCRIPTION
 1/8" BLIND RIVET
 MARK NO. 1/8 RIVET

APPLICATION
 FLASHING LAPS AND FLASHING
 TO PANEL CONNECTIONS

DESCRIPTION
 3/16 DIAMETER RIVET WITH WASHER
 MARK NO. SRV-1

APPLICATION
 SIDELIGHT SIDELAP CONNECTIONS

DESCRIPTION
 #10 X 1/2
 SELF TAPPING CARBON STEEL HEX
 HEAD FASTENER WITHOUT WASHER
 MARK NO. #10X1/2 STHH

APPLICATION
 WINDOW JAMB MULLIONS

SPECIAL CONDITION FASTENERS

DESCRIPTION
 #12 X 1 1/2 TEK5
 SELF DRILLING CARBON STEEL HEX HEAD
 FASTENER WITHOUT WASHER
 MARK NO. #12X1 1/2 SDHHT5

APPLICATION
 (STEEL THICKNESSES GREATER THAN 1/4"
 AND UP TO AND INCLUDING 1/2")
 FIELD STRUCTURAL ATTACHMENTS

DESCRIPTION
 #10 X 1 1/2
 SELF TAPPING CARBON STEEL HEX HEAD
 FASTENER WITH WASHER
 MARK NO. #10X1 1/2 STHHW

APPLICATION
 PANELS TO WOOD STRUCTURE.
 (1/4" HEX HEAD SOCKET REQUIRED)

NOTE: ALL HEX HEAD SIZES SHALL REQUIRE A 5/16" HEX SOCKET UNLESS NOTED.

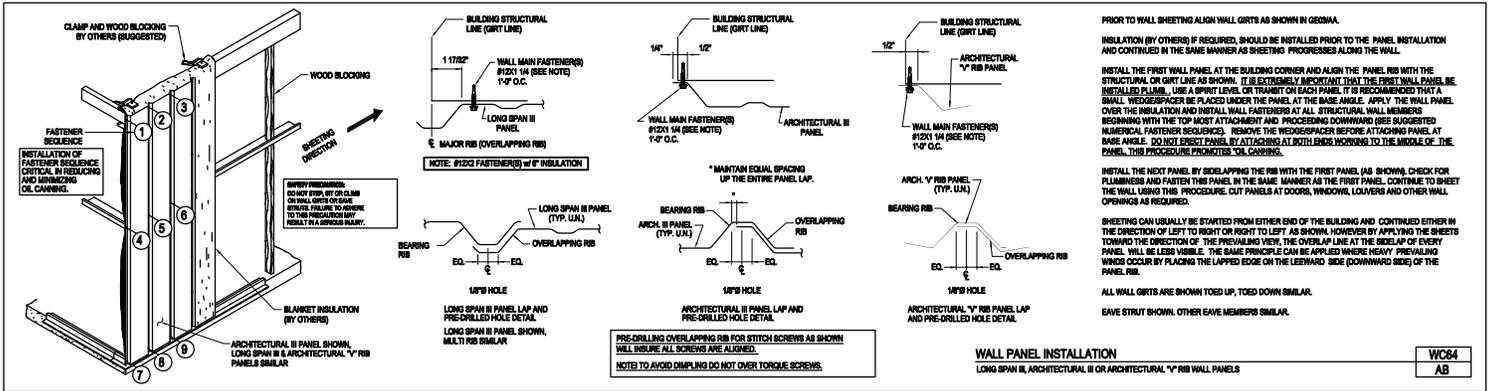
BASIC PARTS AND PIECES
 LONGSPAN WALLS

WC61
 AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Wall Panel Installation
 Architectural III, Architectural "V" Rib or Long Span III Walls
 WC64/AB

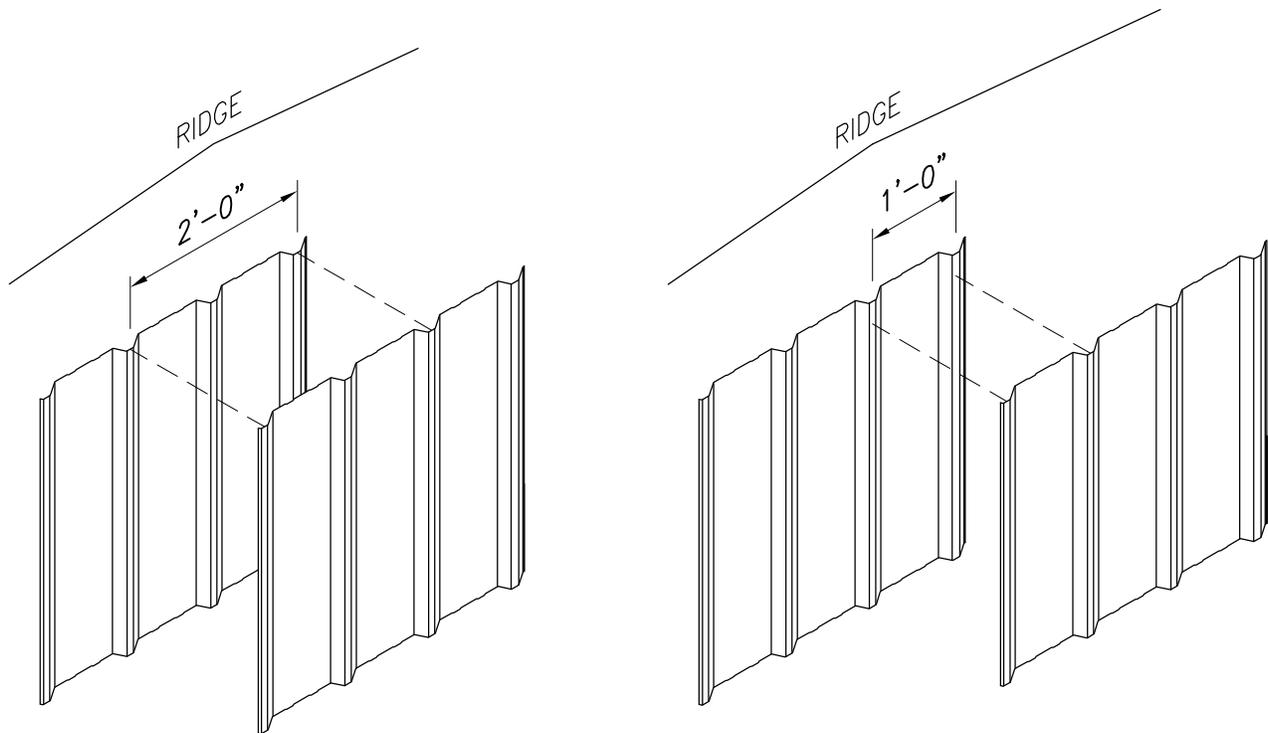


[Download the DWG file by clicking here.](#)

[To Section Index](#)

Panel Backlapping
Architectural III, Architectural "V" Rib or Long Span III Walls
WC75/AB

BACKLAPPING THE PANELS 1' OR 2' IS ROUTINELY DONE TO MATCH PANEL COVERAGE WITH THE BUILDING WIDTH AND LENGTH. ON THE SIDEWALL THIS IS DONE WITH THE LAST PANEL INSTALLED. ON THE ENDWALL THIS IS DONE AT THE RIDGE AND WILL BE MARKED ON THE ERECTION DRAWINGS.



NOTE:
ENDWALL PANELS SHOWN, SIDEWALLS PANELS SIMILAR
LONG SPAN III SHOWN, ARCHITECTURAL III & ARCHITECTURAL "V" RIB SIMILAR.

PANEL BACKLAPPING

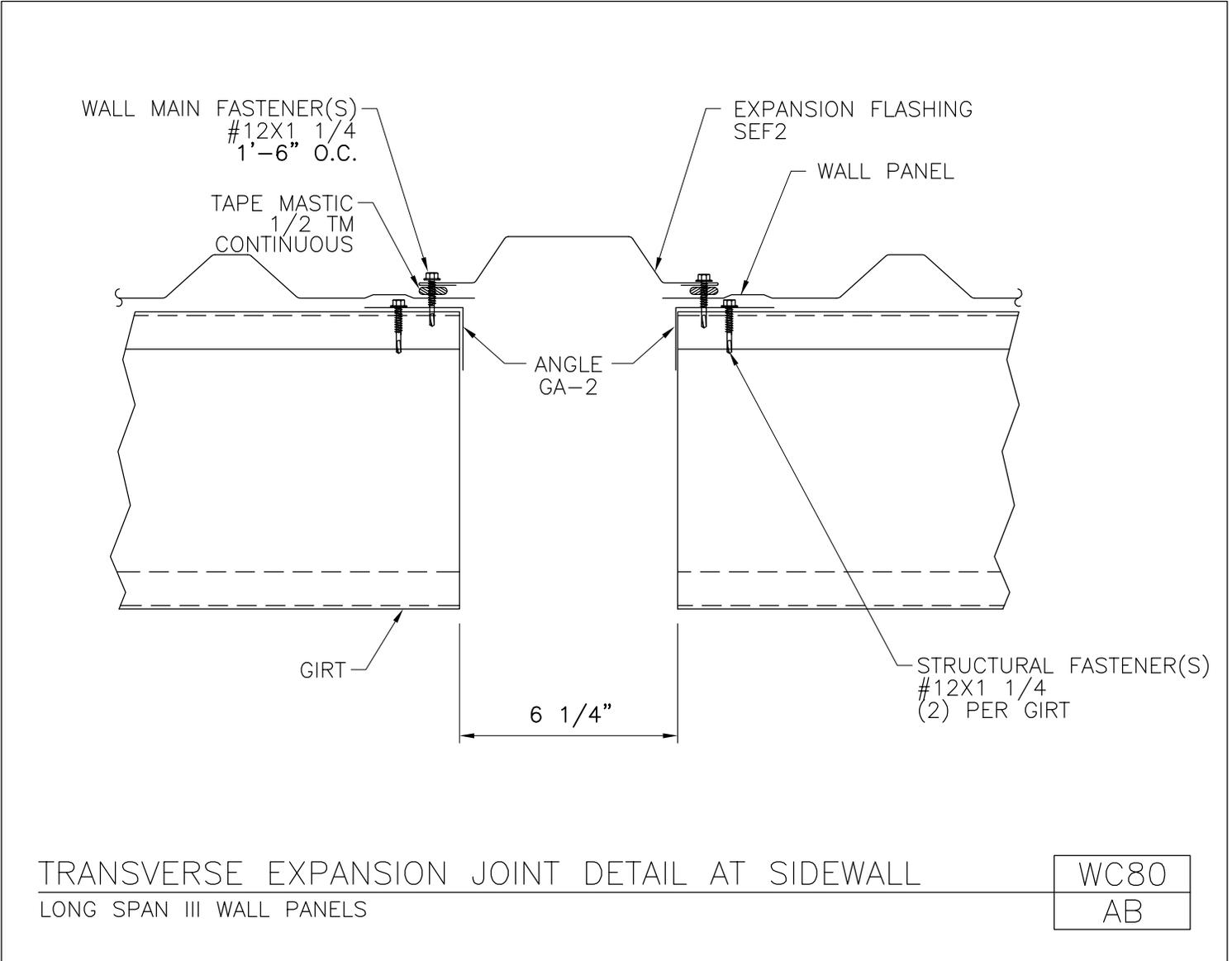
ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

WC75
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

Transverse Expansion Joint Detail at Sidewall
Long Span III Wall
WC80/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)



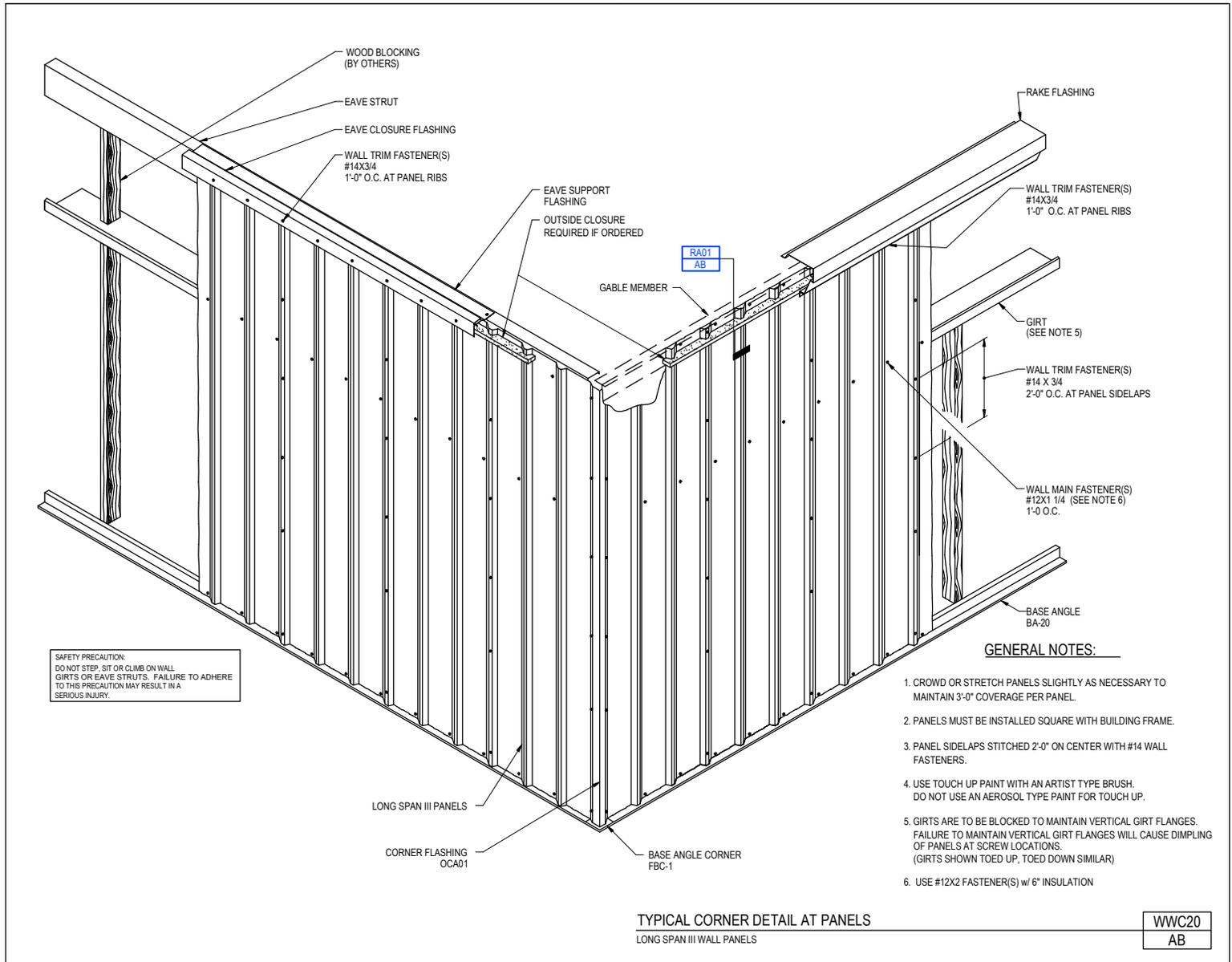
AMERICAN BUILDINGS

A NUCOR COMPANY

PRODUCT MANUAL

LONG SPAN III WALL PANEL

Typical Corner Detail at Panels Long Span III Wall WWC20/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)



**AMERICAN
BUILDINGS**

A **NUCOR** COMPANY

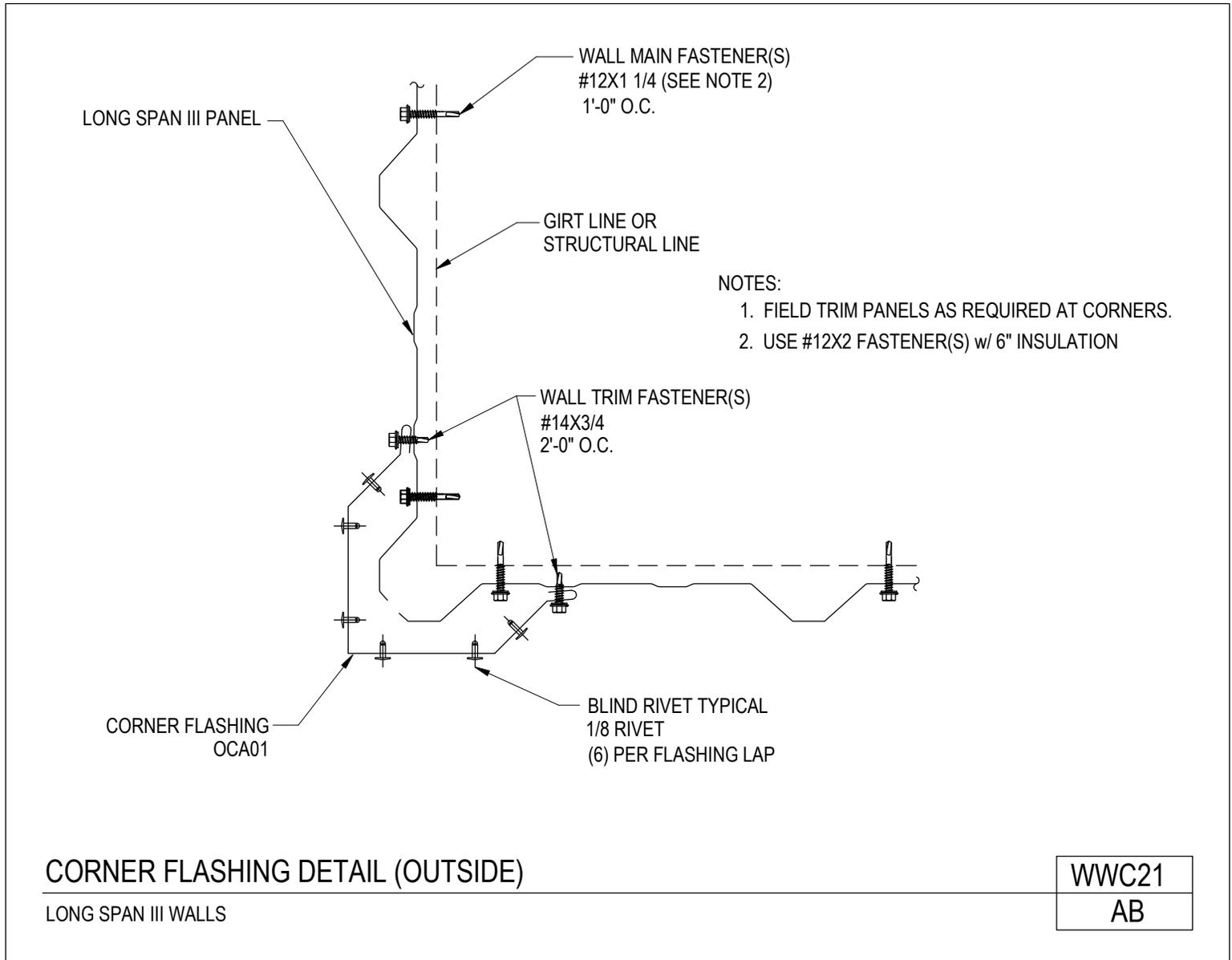
PRODUCT MANUAL

LONG SPAN III WALL PANEL

Corner Flashing Detail (Outside)

Long Span III Wall

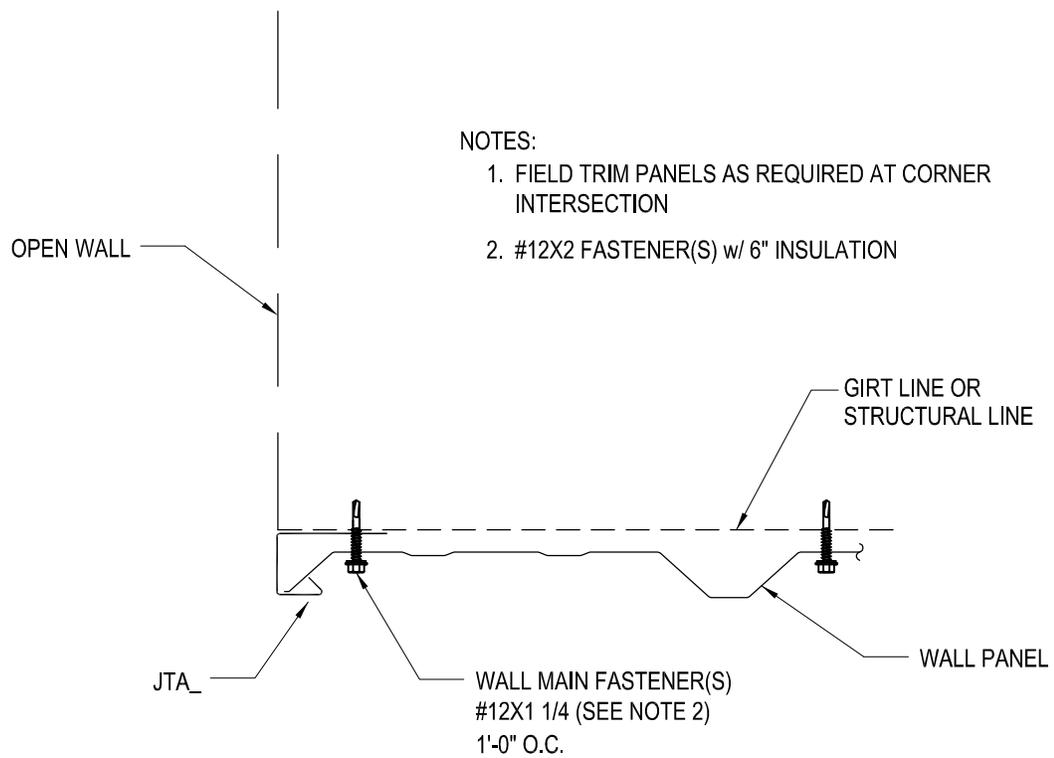
WWC21/AB



Download the DWG file by clicking [here](#).

To Section Index

Corner Flashing Detail (Outside) at Open Wall Transition
Long Span III Wall
WWC21B/AB



CORNER FLASHING DETAIL (OUTSIDE) AT OPEN WALL TRANSITION

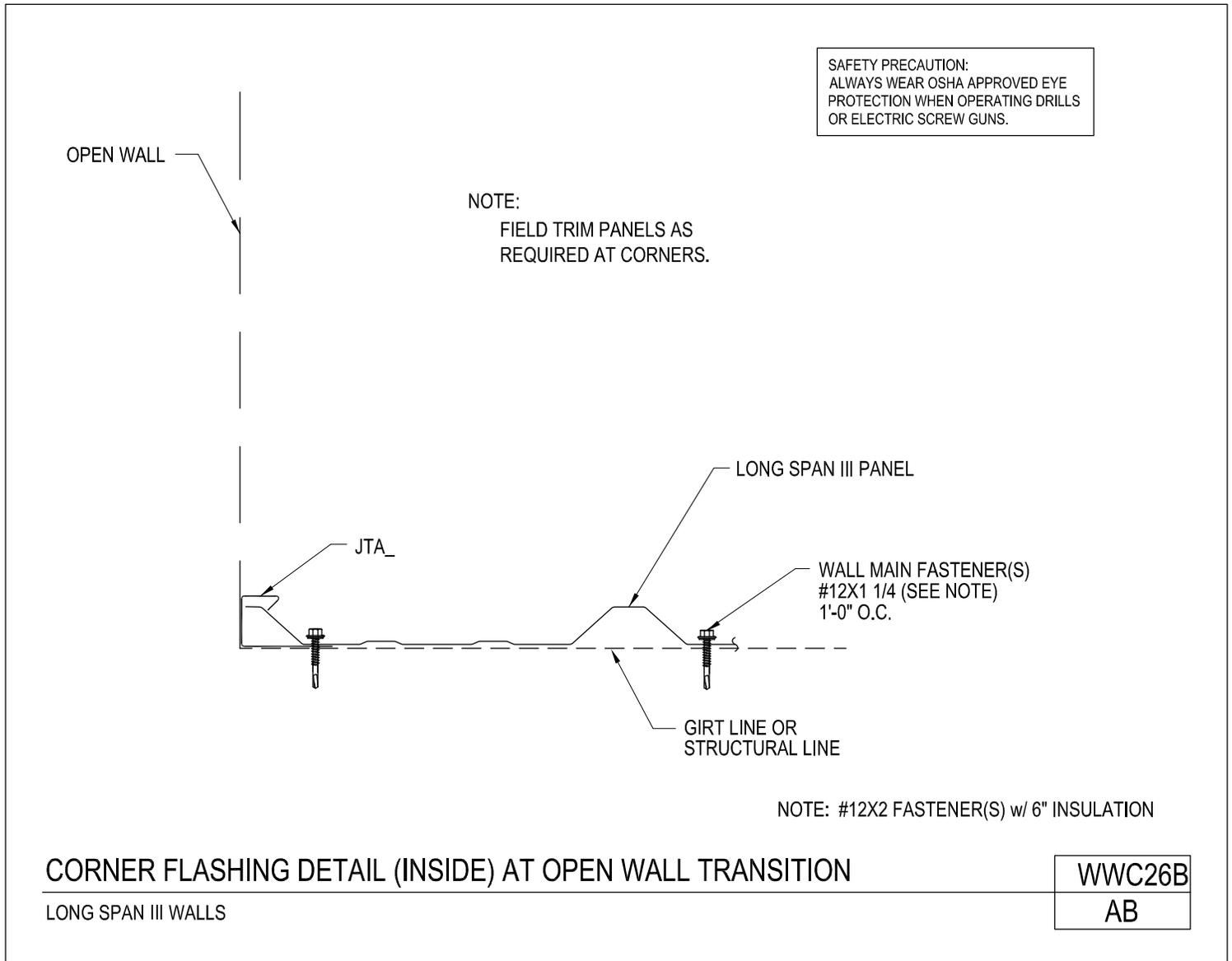
LONG SPAN III WALLS

WWC21B
AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)

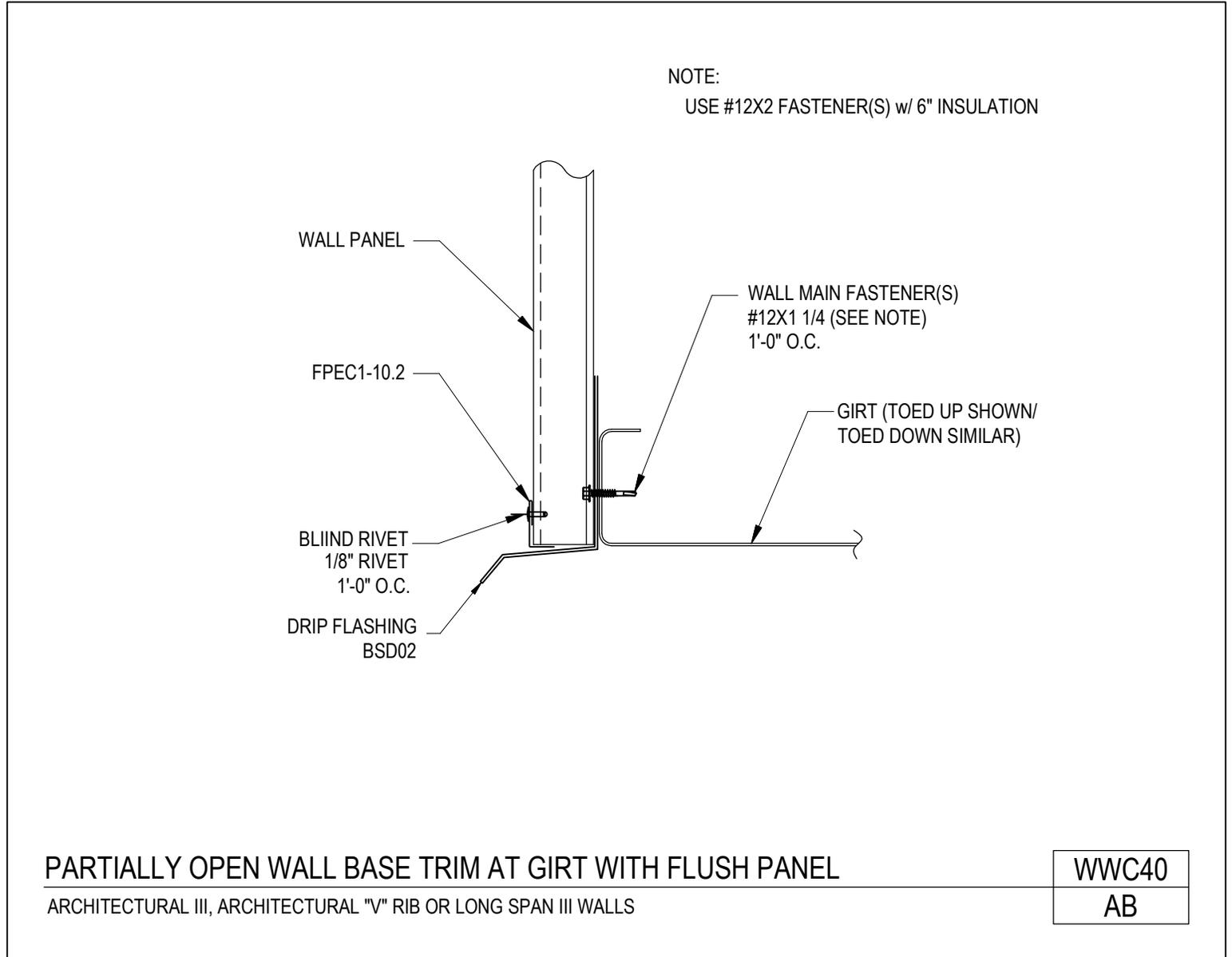
Corner Flashing Detail (Inside) At Open Wall Transition
Long Span III Wall
WWC26B/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)

Partially Open Wall Base Trim at Girt With Flush Panel
Architectural III, Architectural "V" Rib or Long Span III Walls
WWC40/AB



[Download the DWG file by clicking here.](#)

[To Section Index](#)



**AMERICAN
BUILDINGS**

A **NUCOR** COMPANY

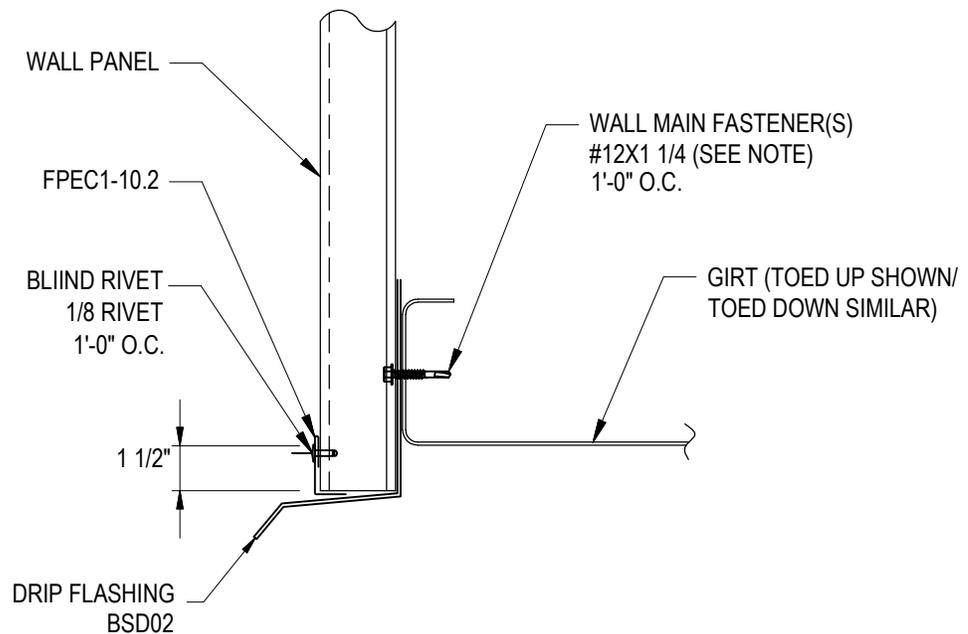
PRODUCT MANUAL

LONG SPAN III WALL PANEL

Partially Open Wall Base Trim at Girt, Panel Extends 1 1/2"
Architectural III, Architectural "V" Rib or Long Span III Walls
WWC41/AB

NOTE:

USE #12X2 FASTENER(S) w/ 6" INSULATION



PARTIALLY OPEN WALL BASE TRIM AT GIRT, PANEL EXTENDS 1 1/2"

ARCHITECTURAL III, ARCHITECTURAL "V" RIB OR LONG SPAN III WALLS

WWC41

AB

[Download the DWG file by clicking here.](#)

[To Section Index](#)