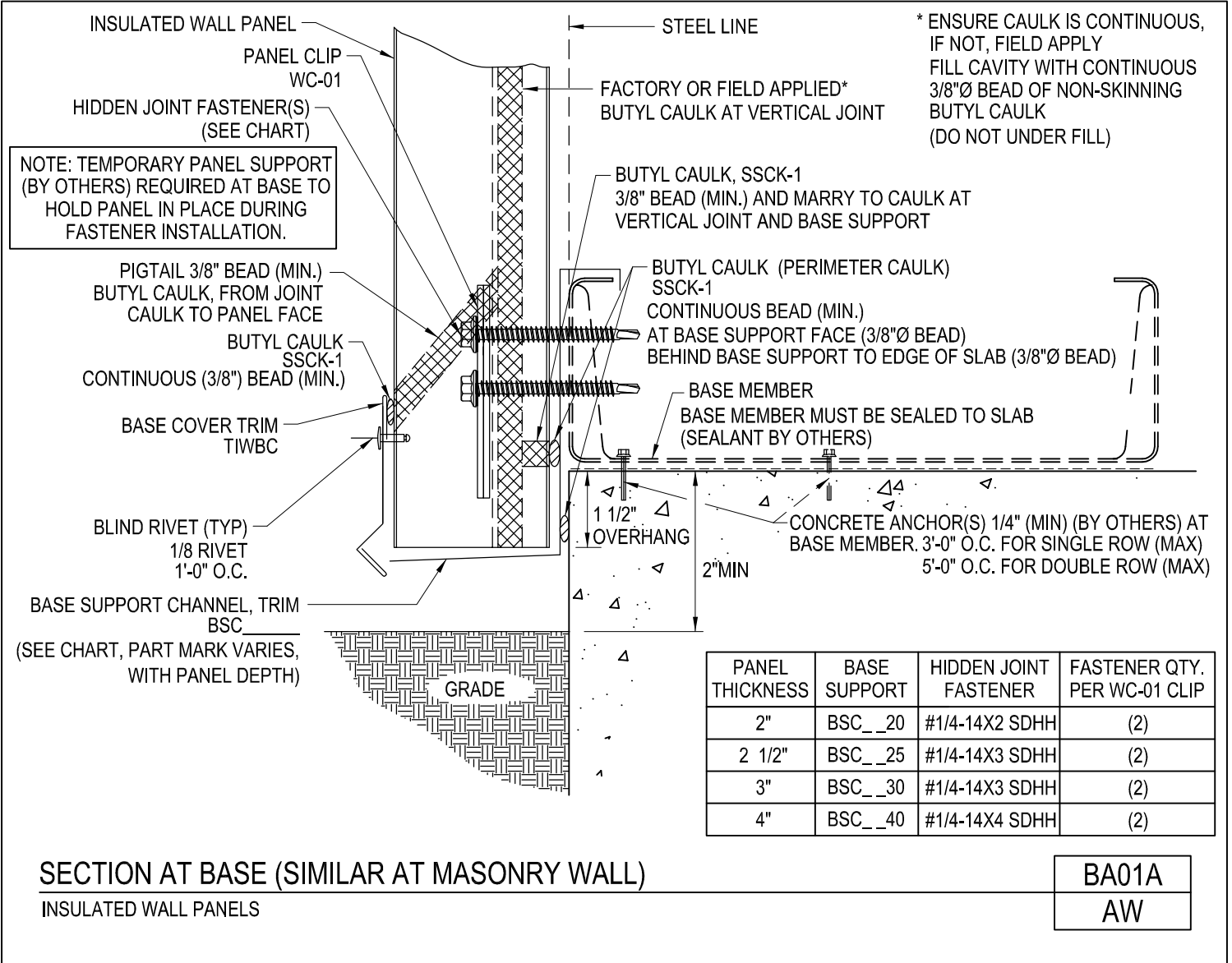


Product Manual - Insulated Wall Panels

BA01A/AW, Section at Base (Similar at Masonry Wall)
BA01/AW, Section at Base (Similar at Masonry Wall)
BA02/AW, Section at Base w/ Notched Slab
BA03/AW, Section at Base (Similar at Masonry Wall)
EA04/AW, Section at Eave
EA04/SW, Section at Eave
EA05/SW, High Side Eave Flashing Attachment
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GE50/QW, Panel Storage - Unloading Panels
GE51/WW, Panel Storage
GE52/QW, Removing Protective Film
GE53/QW, Caulk Application Precautions and Requirements
GE54/QW, Weather Tightness Requirements
MA22/AW, Insulated Wall Panel to Masonry Detail
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OT21A/AW, Section at Header
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WC01A/AW, Standard Panel Connection to Framing
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WC03/AW, Back Fastening w/ (3) Fab-Lok Fasteners
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WC09A/AW, Section at Mid-Span Members / Intermediate Girt
WC09/AW, Butyl Caulk Application at Perimeter Members
WC14/AW, Special Back Fastening at Girt Spacing Less Than 5'-0"
WC16A/AW, Fab-Lok Back Fastener Installation
WC20/AW, Panel Layout Guidelines
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WC25/AW, Sidewall and Endwall Field Cutting Requirements
WC25B/AW, High Sidewall Roof and Wall Panel Lengths
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WC62/AW, Recommended Caulk and Interior Relief Cut at Panel Cut for Jambs
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WC63A/AW, Vertical Joint Connection at Mid-Span Members
WC63W/AW, Vertical Joint Connections at Perimeter Members
WC64A/AW, Continuous Exterior Relief Cut - Field Cutting
WC64/AW, Continuous Exterior Relief Cut - Field Cutting
WC80/AW, Transition at Wall Plane
WC91/AW, Panel Erection Notes
WD09B/AW, Pre-Assembled Personnel Door Panel Installation
WD10A/AW, Section at Personnel Door Jamb
WD11A/AW, Section at Personnel Door Header
WWC06/AW, Panel Stacking Detail

Section at Base (Similar at Masonry Wall)
Insulated Wall Panels
BA01A/AW



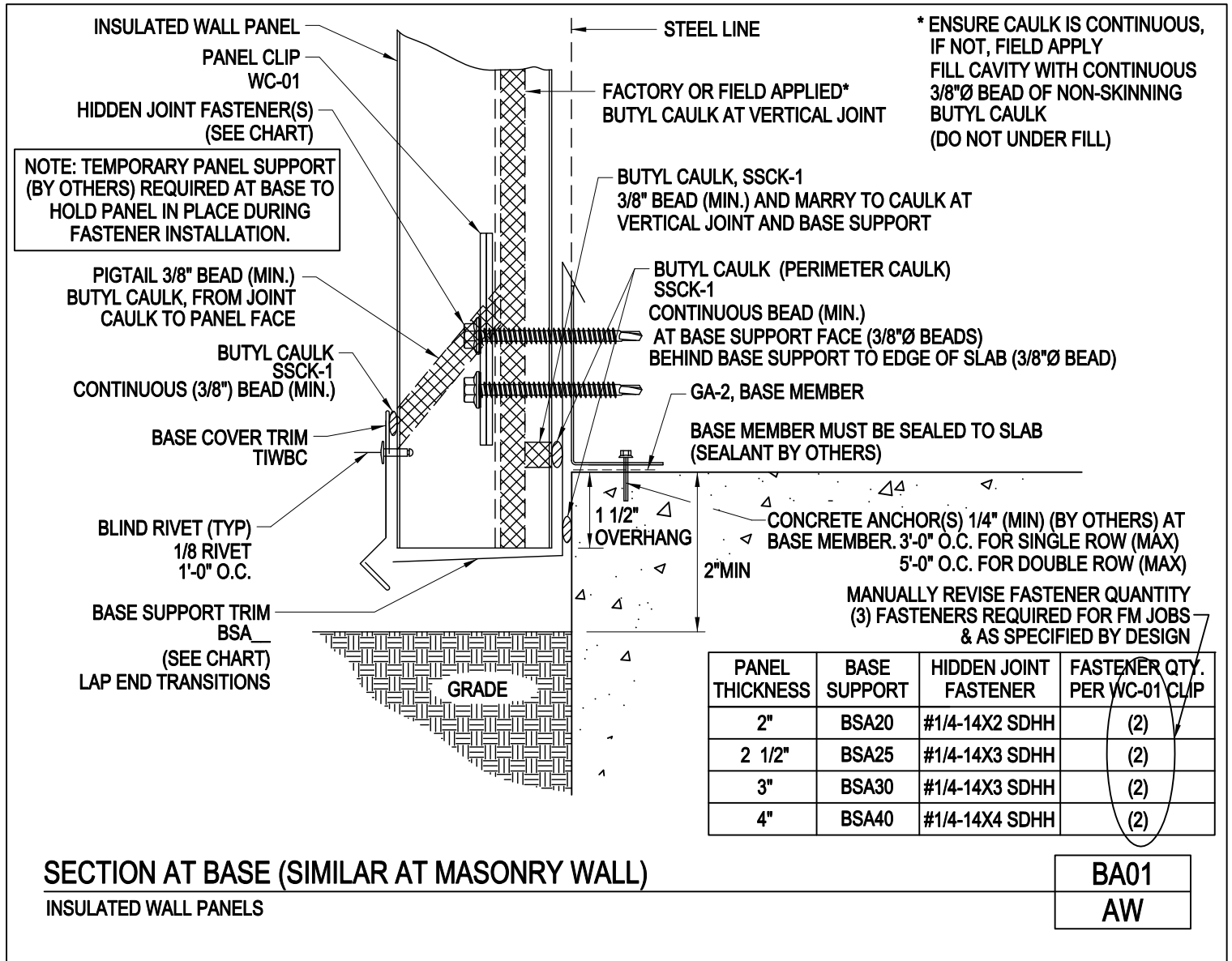
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Section at Base (Similar at Masonry Wall)

Insulated Wall Panels

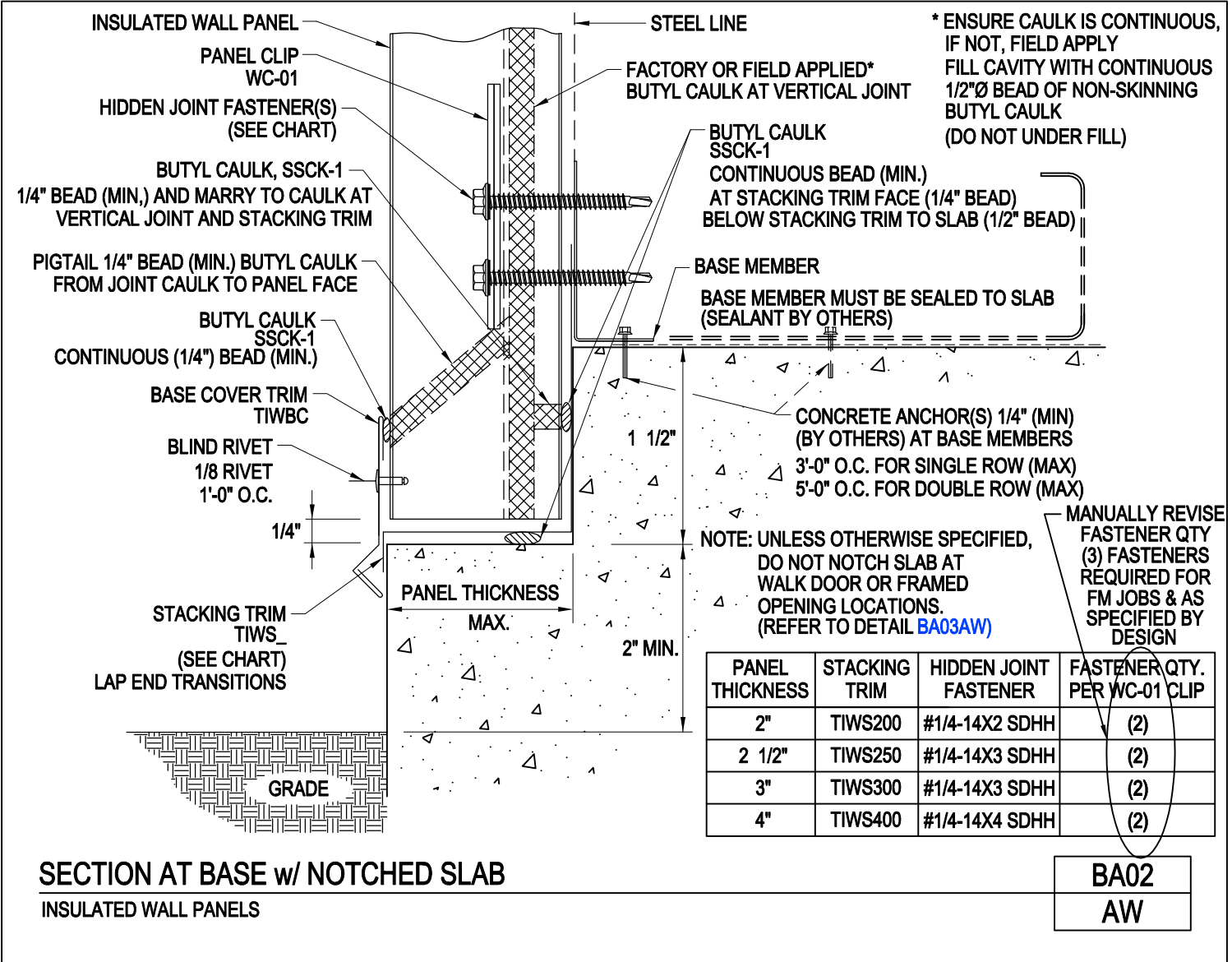
BA01/AW



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Section at Base w/ Notched Slab
Insulated Wall Panels
BA02/AW



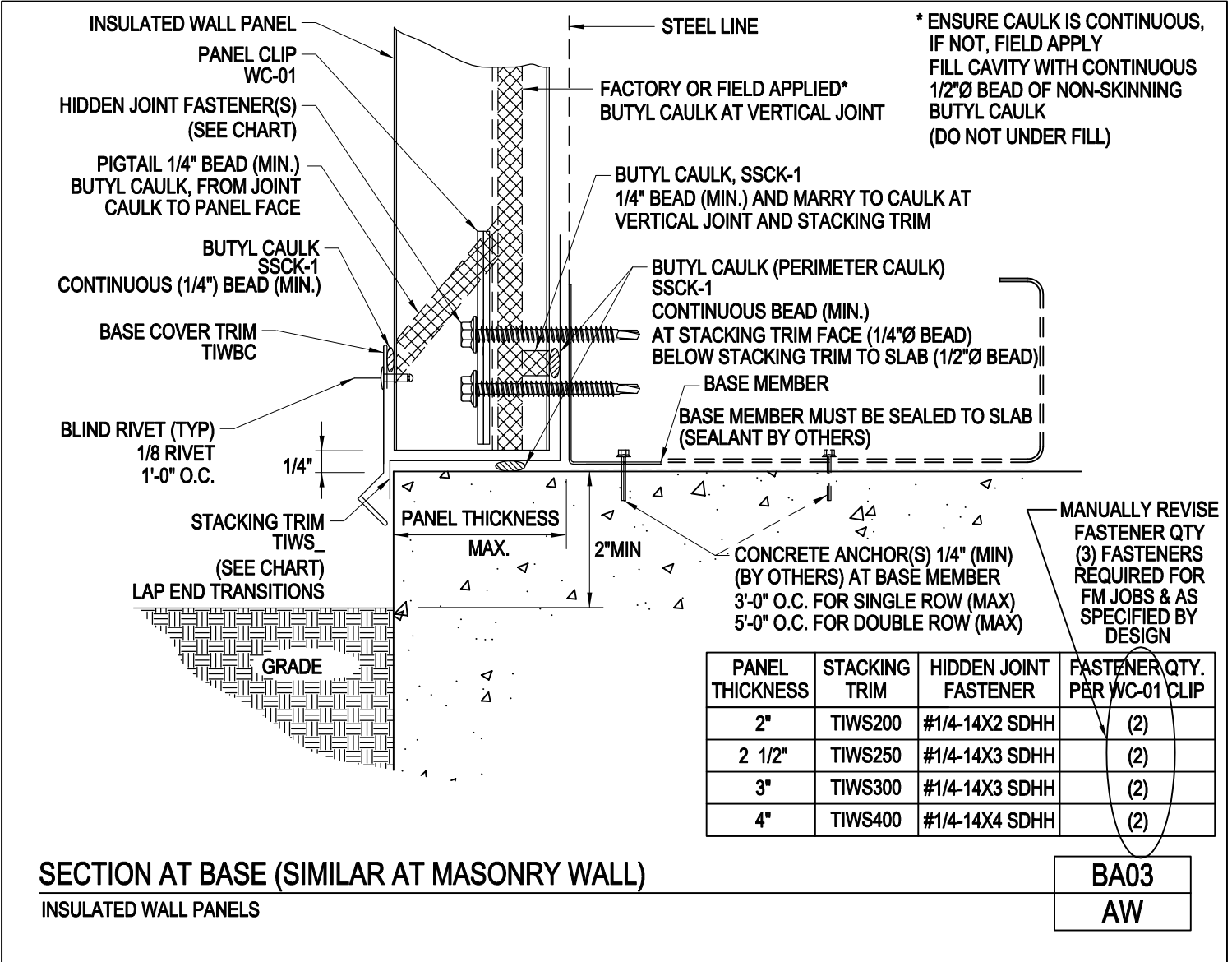
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Section at Base (Similar at Masonry Wall)

Insulated Wall Panels

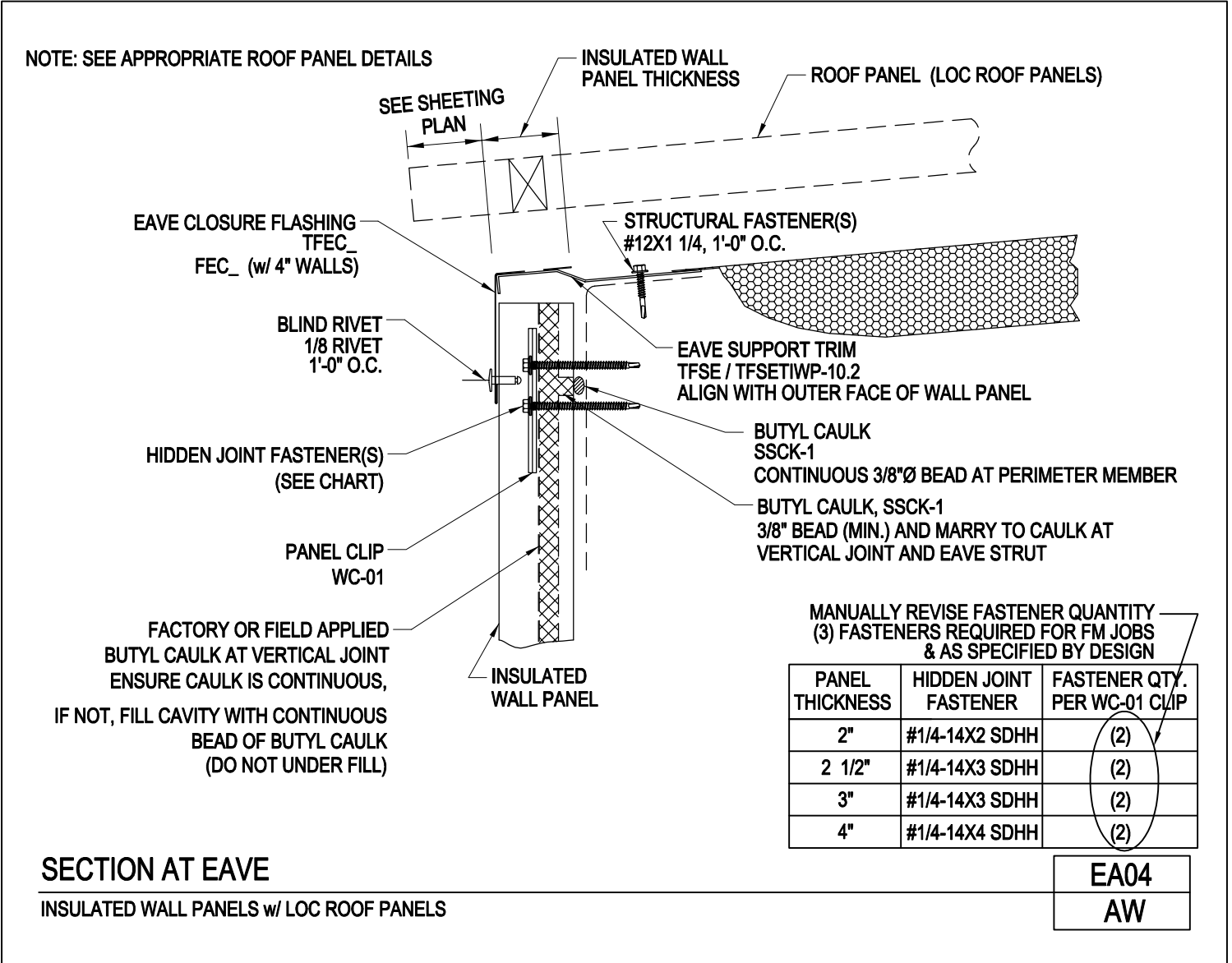
BA03/AW



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Section at Eave
 Insulated Wall Panels w/ Loc Seam Roof Panels
 EA04/AW



SECTION AT EAVE

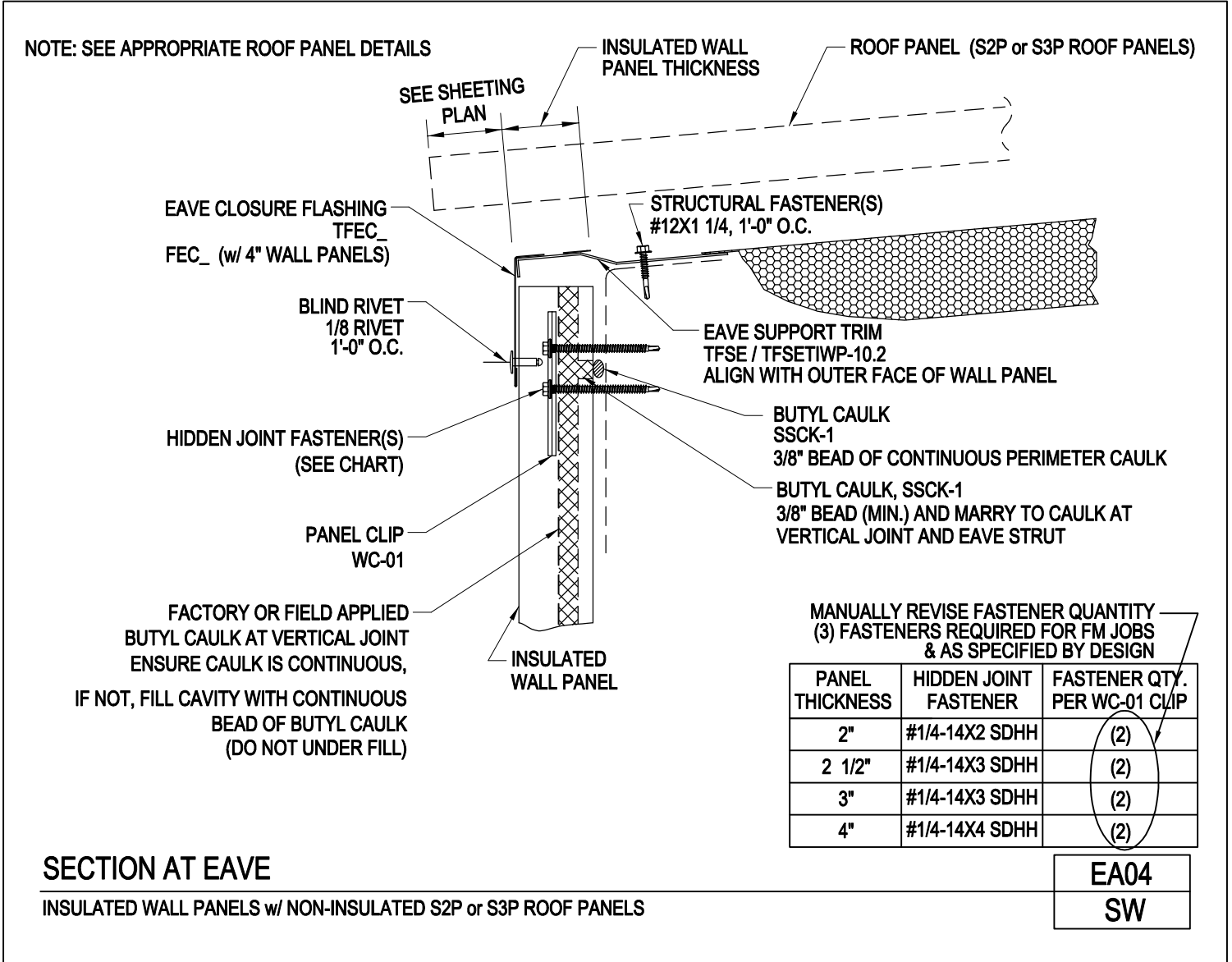
INSULATED WALL PANELS w/ LOC ROOF PANELS

EA04
AW

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Section at Eave
 Insulated Wall Panels w/ Non-Insulated S2P or S3P Roof Panels
 EA04/SW



SECTION AT EAVE

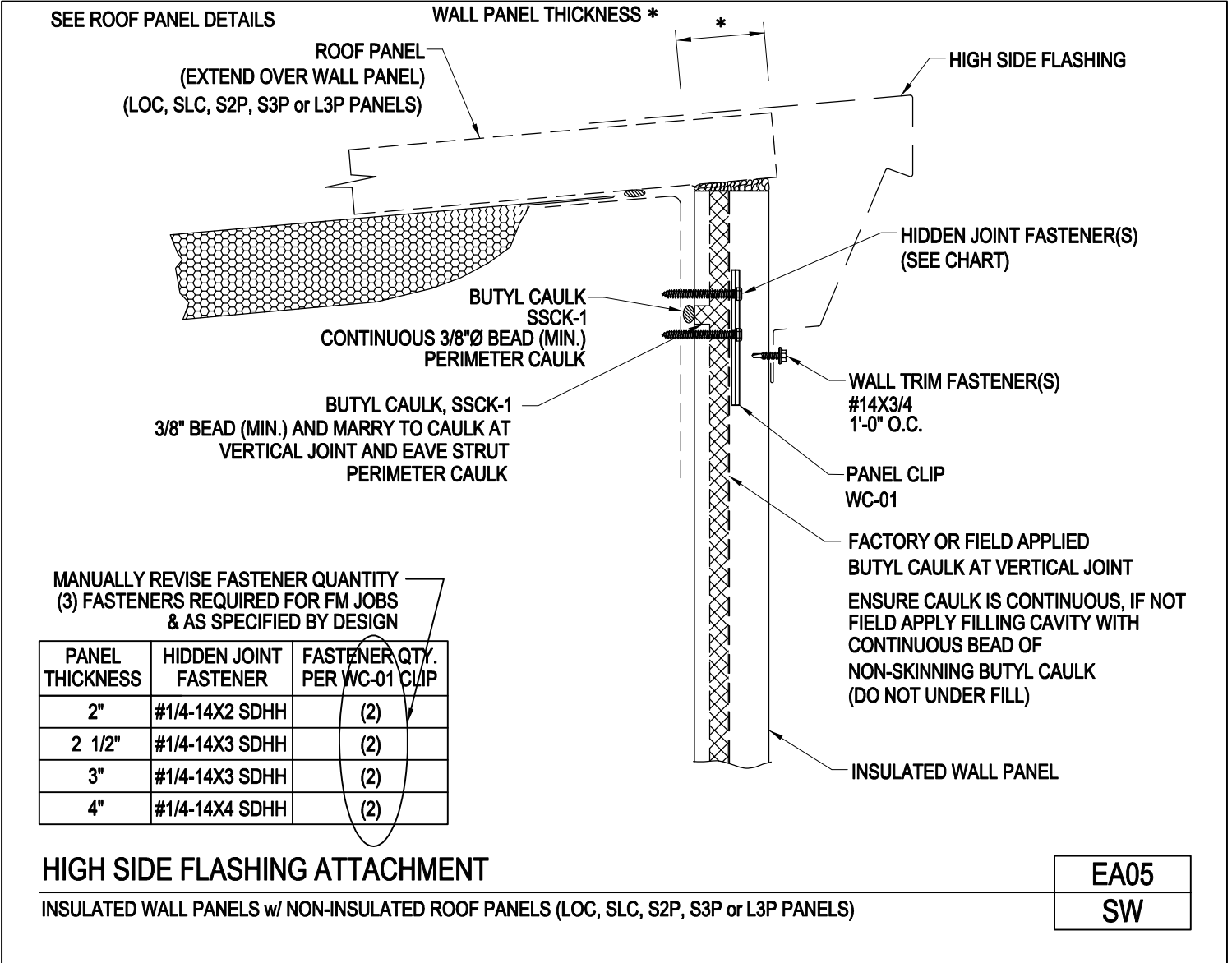
INSULATED WALL PANELS w/ NON-INSULATED S2P or S3P ROOF PANELS

EA04
SW

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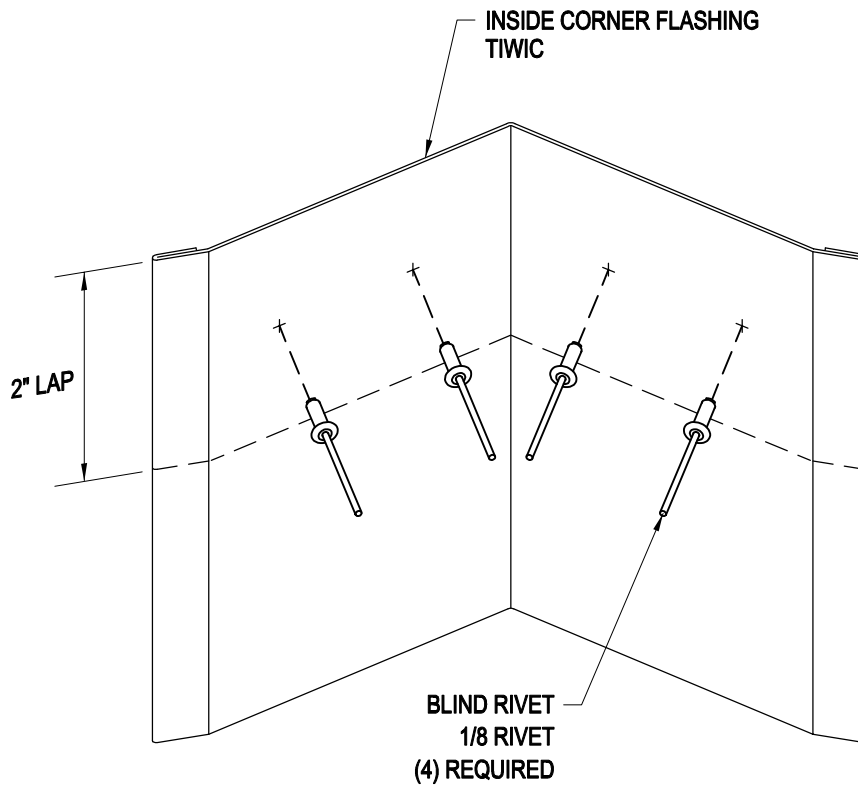
High Side Eave Flashing Attachment
 Insulated Wall Panels w/ Non-Insulated Roof Panels (LOC, S2P, S3P, or L3P Panels)
 EA05/SW



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Inside Corner Flashing
Insulated Wall Panels
FL08A/AW



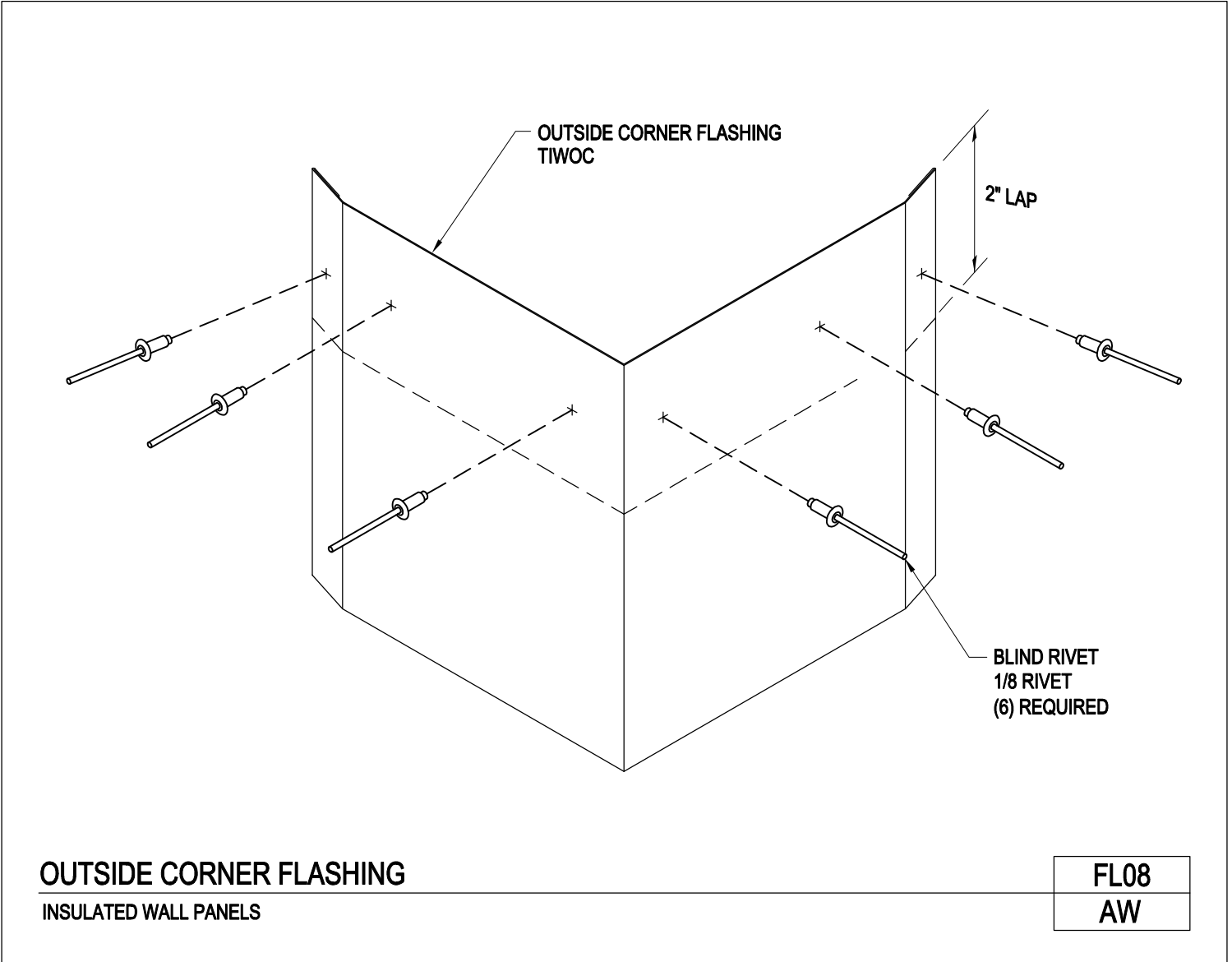
INSIDE CORNER FLASHING
INSULATED WALL PANELS

FL08A
AW

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Outside Corner Flashing
Insulated Wall Panels
FL08/AW



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Panel Storage - Unloading Panels
Insulated Panels
GE50/QW

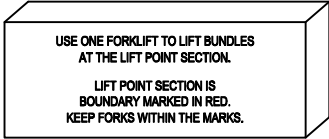
Reinforced Lifting Points are Clearly Marked on the Panel Bundle (See Figure 1)
Long Length Panels have Two or More Lifting Points (See Figure 2).

Use Extreme Care to Avoid Bumping or Dropping the Panels while Lifting and Maneuvering.

Hoist the panels to the roof with the aid of nylon slings and a spreader bar to prevent any chance of bending or buckling the panels.

Unloading with a Forklift

- Over engagement of forks will cause damage to the materials located on the opposite side of the bundle being lifted
- Panels Should Not Deflect Significantly in the Lifting Process.
- Ensure the forks are between the 3" foam stickers at the bottom of each bundle. Lift bundles one at a time with the forklift

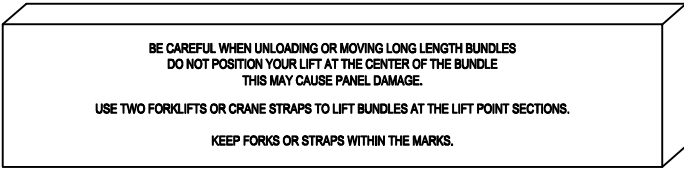


EQUAL LIFT POINT 8'-0" EQUAL LIFT POINT

FIGURE 1
STANDARD LENGTH BUNDLES
10'-0" OR LONGER

Unloading with an Overhead Crane

- Use nylon reinforced slings or straps located at a minimum of two points along the length of the bundle for Crane lifting of the individual bundles.
- Chains or Cables should not come in contact with the panels.
- Specially stiff inserts should be located at top and bottom of the bundles at the sling positions to protect the edges of the upper and lower panels.
- When bundles are longer than 15'-0" it is suggested that a properly designed and fabricated lifting beam is used.



EQUAL LIFT POINT 8'-0" NTS EQUAL LIFT POINT 12'-0" NTS EQUAL LIFT POINT 8'-0" NTS EQUAL LIFT POINT

FIGURE 2
LONG LENGTH BUNDLES
36'-0" OR LONGER

PANEL STORAGE - UNLOADING PANELS
INSULATED PANELS

GE50
QW

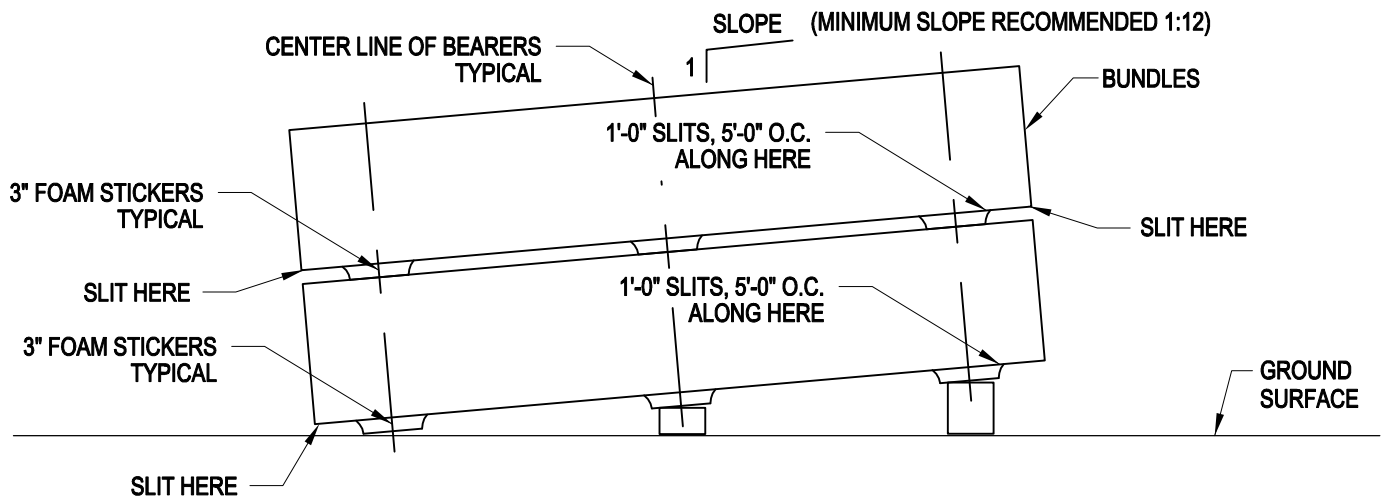
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Panel Storage
Insulated Panels
GE51/WW

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 preferably 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 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 and 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

INSULATED PANELS

GE51
WW

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

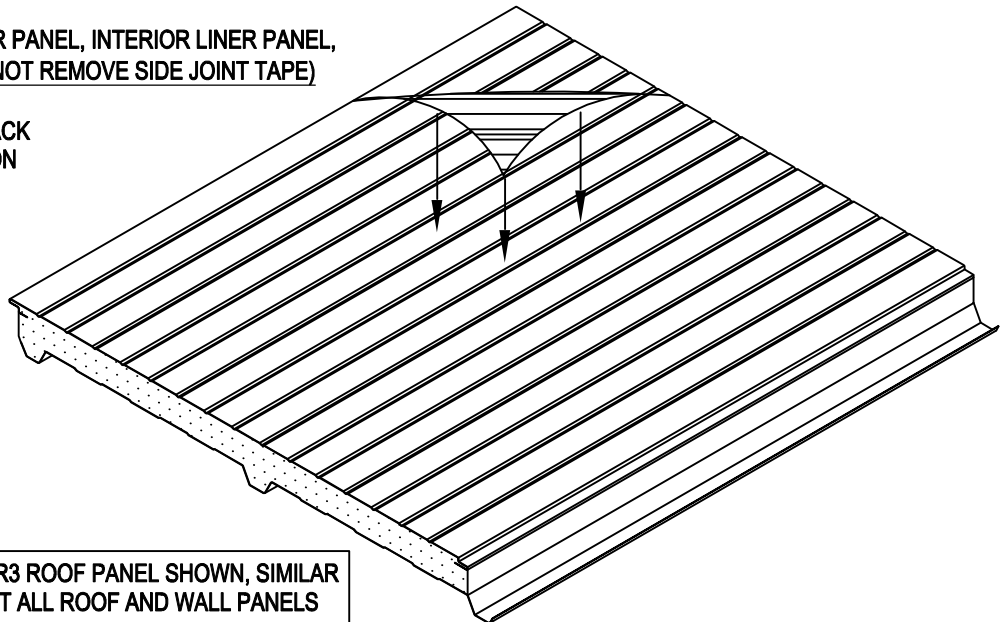
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Removing Protective Film
Insulated Panels
GE52/QW

**PROTECTIVE FILM REMOVAL AT EXTERIOR PANEL, INTERIOR LINER PANEL,
AND PANEL AREA OF SIDE JOINTS (DO NOT REMOVE SIDE JOINT TAPE)**

STARTING AT A PANEL CORNER PULL BACK
FILM AT A 45° ANGLE WITH EVEN TENSION
PULL WITH EVEN TENSION TO
PREVENT TEARING AND
FACILITATE REMOVAL.

IF ADHESIVE RESIDUE IS
PRESENT AFTER FILM REMOVAL
CLEAN THE PANEL SURFACE WITH
A SOFT CLOTH AND WATER
(A CITRUS BASE SOLUTION ADDED
TO THE WATER WILL ENHANCE
REMOVAL OF ADHESIVE RESIDUE).



HR3 ROOF PANEL SHOWN, SIMILAR
AT ALL ROOF AND WALL PANELS

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

INSULATED PANELS

GE52
QW

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A **NUCOR** COMPANY

PRODUCT MANUAL

INSULATED WALL PANELS

Caulk Application Precautions and Requirements
Insulated Panels
GE53/QW

NON-SKINNING BUTYL CAULK MAY BE FACTORY OR FIELD APPLIED, REFER TO THE FOLLOWING GUIDELINES AND NOTES:

FACTORY APPLIED CAULK PRECAUTIONS

Use of Factory Applied Caulk is not recommended for cold weather installations as it may make it difficult to fully engage the panels. Caulking will be more viscous in cold weather environments.

Use of Factory Applied Caulk is not recommended under very dusty conditions unless the bundles remain wrapped and covered with a tarp until ready for use.

In environments that are very dusty Factory applied caulk can lose its tack which will compromise the vapor seal to the adjoining panel.

FIELD APPLIED CAULKING

Field applied side joint caulk is preferred and required in certain applications.

In cold weather environments caulk to be Field applied may be stored in a heated environment until ready for use.

All panel joints must be inspected before installation to ensure caulk is continuous. Field application will be required to fill any voids or missing caulk.

CAULKING

Field or Factory applied continuous caulk is applied at the vertical panel joint closest to the interior liner panel, adjacent to the building steel line and other areas as specified on erection drawings.

Field applied continuous caulk is recommended at exterior vertical panel joint of panels that will be field cut for jambs.

Caulk applied at the liner side will inhibit any vapor transmissions above panel cutouts however, it will not block against water intrusion into the outer joint area of the panel joint.

To prevent water intrusions above cutouts field apply non-skinning Butyl Caulk at the panel sidelap by pigtailling a continuous diagonal bead of caulk at the panel side joint (windows, doors, shared Lean-To, Base, etc) slope the pigtail upward to the liner side joint to ensure water runoff toward the panel exterior and runoff toward the panel exterior and marry to the vertical joint caulk at the liner side.

ROOF PANEL FACTORY APPLIED CAULKING

Caulk at the Standing Seam (SR2) panels will be Factory applied unless otherwise noted on the job order.

CAULK APPLICATION PRECAUTIONS AND REQUIREMENTS

Insulated Panels

GE53
QW

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

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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 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

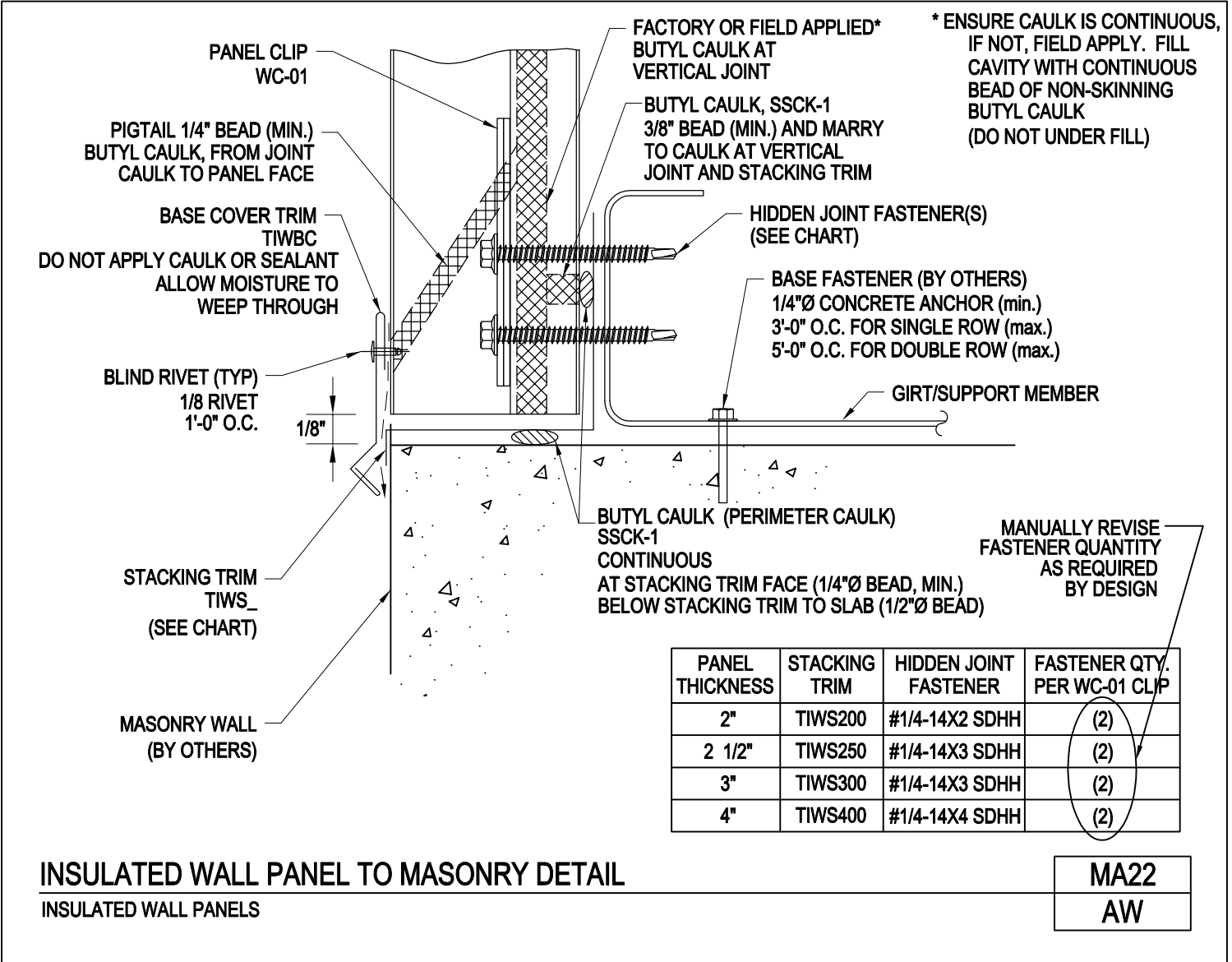
INSULATED PANELS

GE54
QW

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Insulated Wall Panel to Masonry Detail
 Insulated Panels
 MA22/AW



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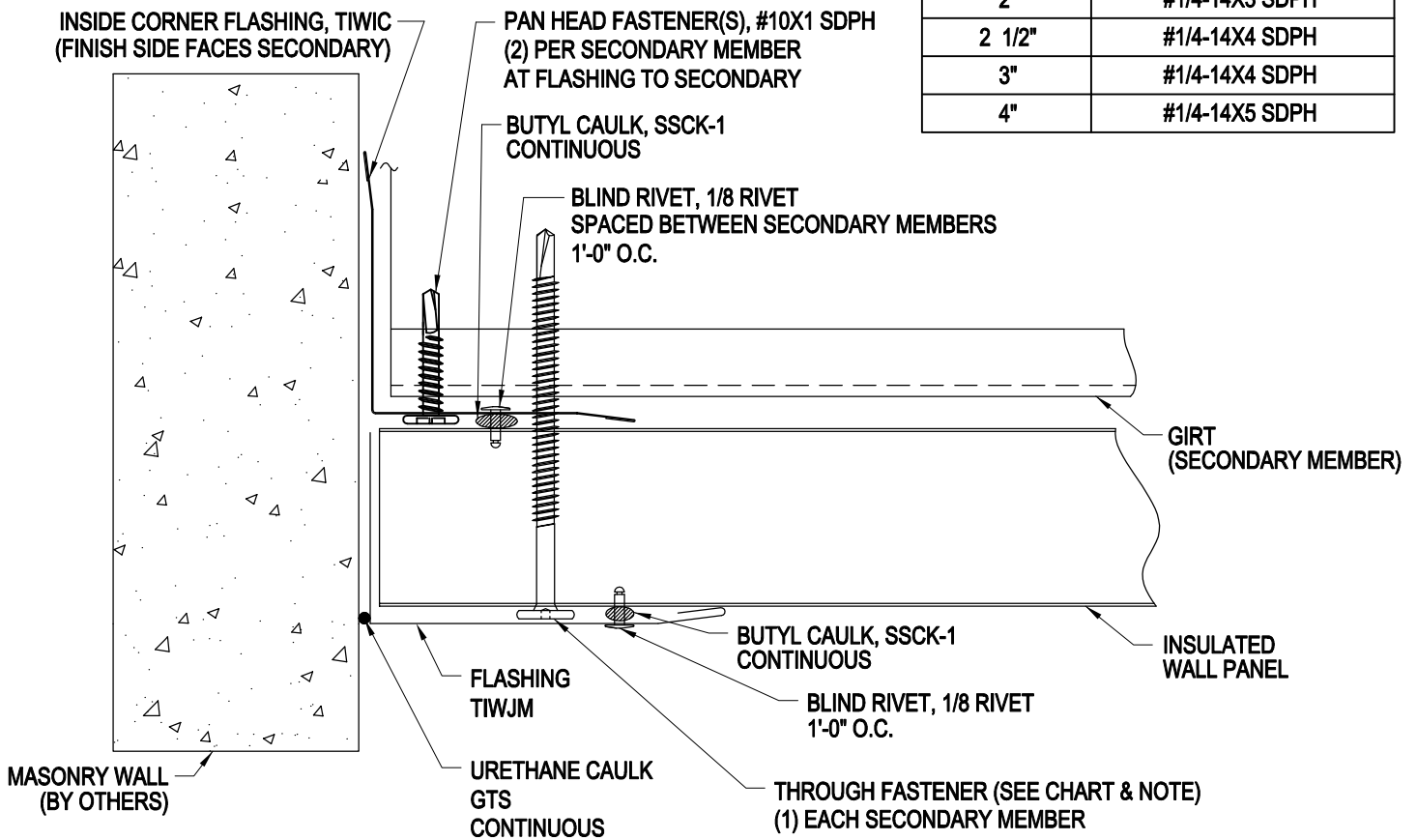
Section at Masonry (Cut Panel Edge)

Insulated Panels

MA23/AW

NOTE: The use of a Center Punch to slightly Dimple the panel face prior to installing through fasteners is recommended to prevent "Walking" of the fasteners. Excessive damage to the panel finish during installation may Void the panel finish warranty.

PANEL THICKNESS	THROUGH FASTENER
2"	#1/4-14X3 SDPH
2 1/2"	#1/4-14X4 SDPH
3"	#1/4-14X4 SDPH
4"	#1/4-14X5 SDPH



SECTION AT MASONRY (CUT PANEL EDGE)

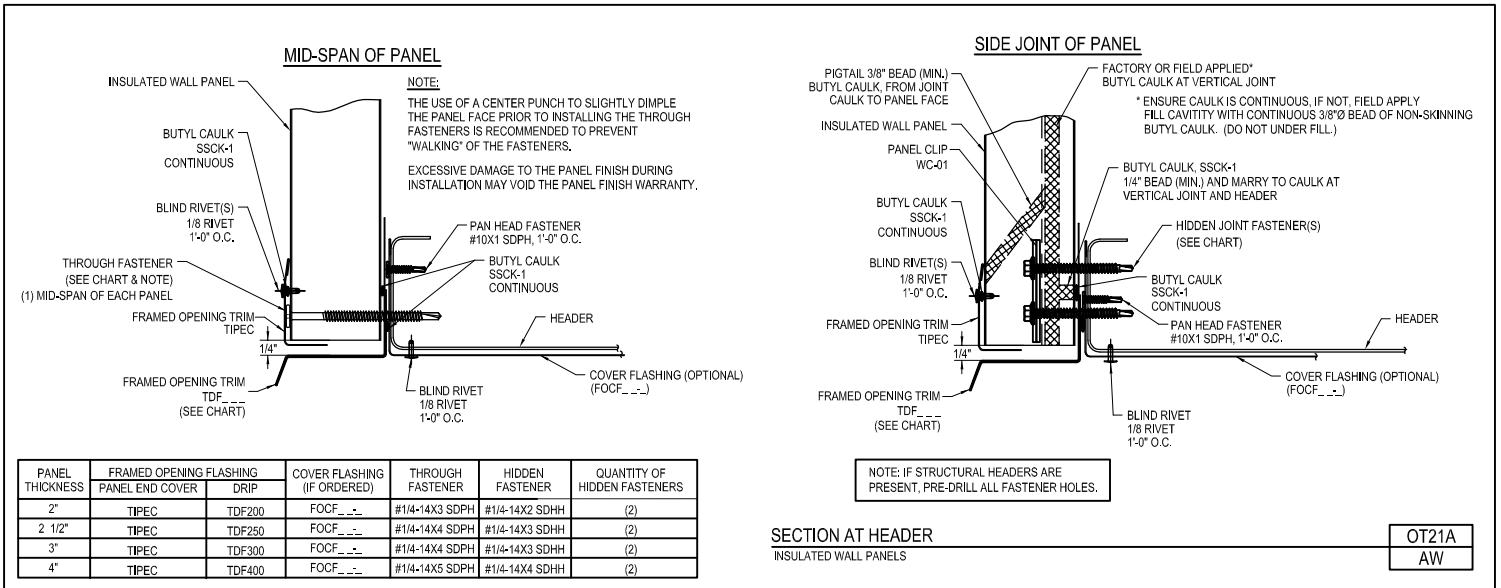
INSULATED WALL PANELS

MA23
AW

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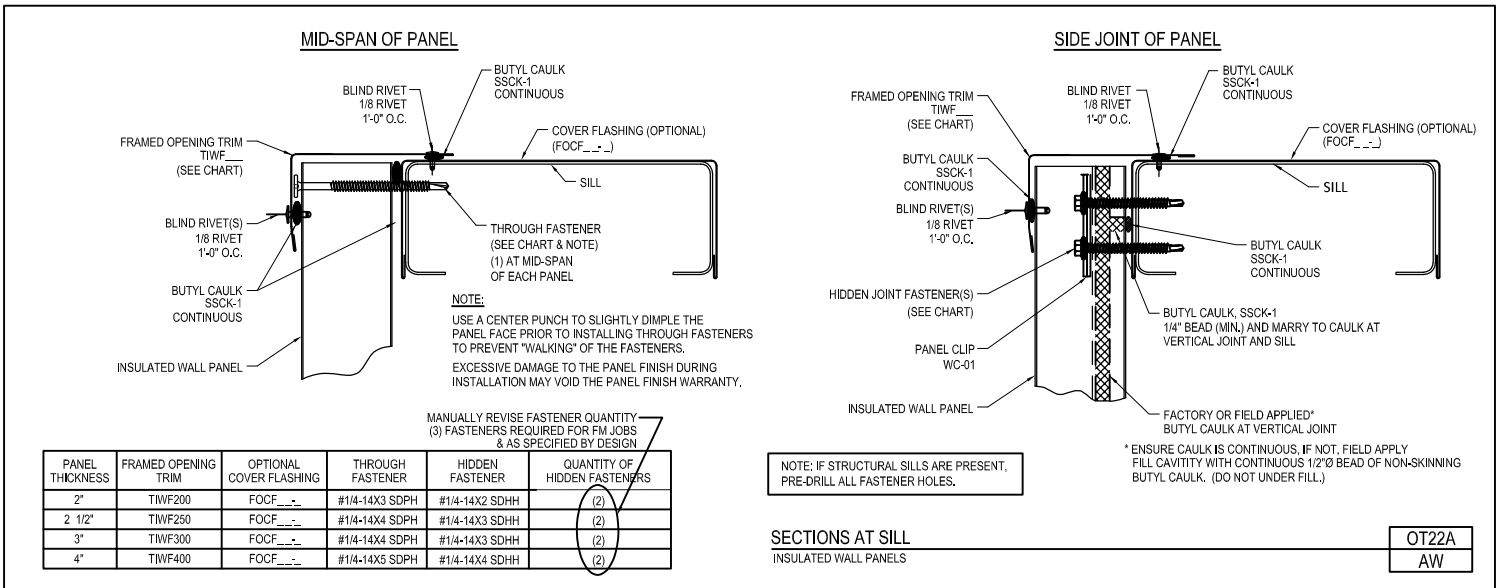
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Section at Header
Insulated Wall Panels
OT21A/AW



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Sections at Sill
Insulated Wall Panels
OT22A/AW



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Section at Jamb
Insulated Wall Panels
OT26A/AW

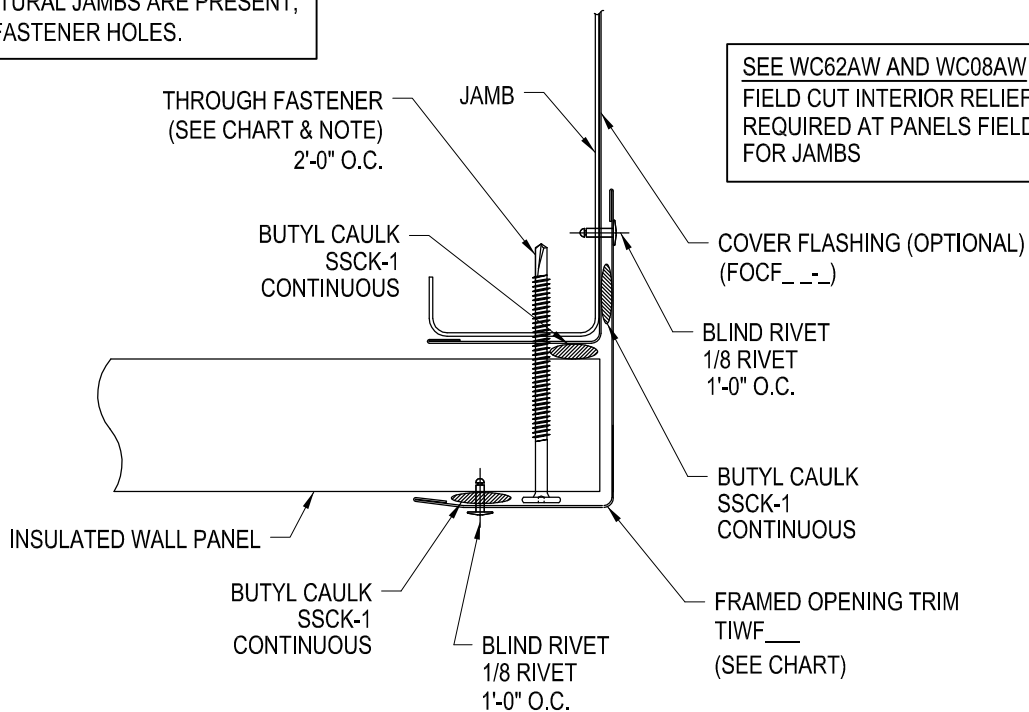
PANEL THICKNESS	FRAMED OPENING TRIM	OPTIONAL COVER FLASHING	THROUGH FASTENER
2"	TIWF200	FOCF_ _ _	#1/4-14X3 SDPH
2 1/2"	TIWF250	FOCF_ _ _	#1/4-14X4 SDPH
3"	TIWF300	FOCF_ _ _	#1/4-14X4 SDPH
4"	TIWF400	FOCF_ _ _	#1/4-14X5 SDPH

NOTE:

THE USE OF A CENTER PUNCH TO SLIGHTLY DIMPLE THE PANEL FACE PRIOR TO INSTALLING THE THROUGH FASTENERS IS RECOMMENDED TO PREVENT "WALKING" OF THE FASTENERS.

EXCESSIVE DAMAGE TO THE PANEL FINISH DURING INSTALLATION MAY VOID THE PANEL FINISH WARRANTY.

NOTE: IF STRUCTURAL JAMBS ARE PRESENT, PRE-DRILL ALL FASTENER HOLES.



SEE WC62AW AND WC08AW
FIELD CUT INTERIOR RELIEF CUT
REQUIRED AT PANELS FIELD CUT
FOR JAMBS

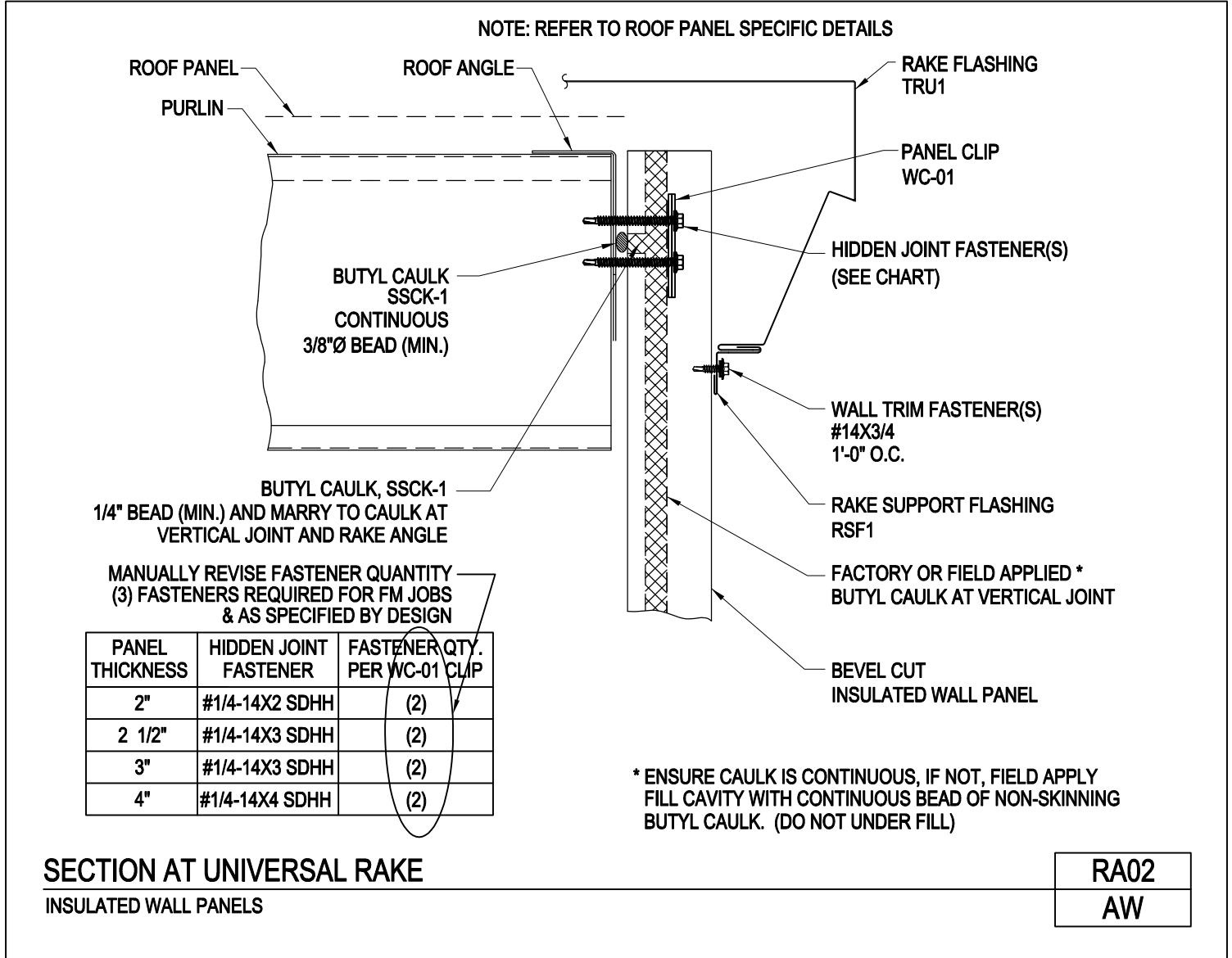
SECTION AT JAMB
INSULATED WALL PANELS

OT26A
AW

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Section at Universal Rake
Insulated Wall Panels
RA02/AW



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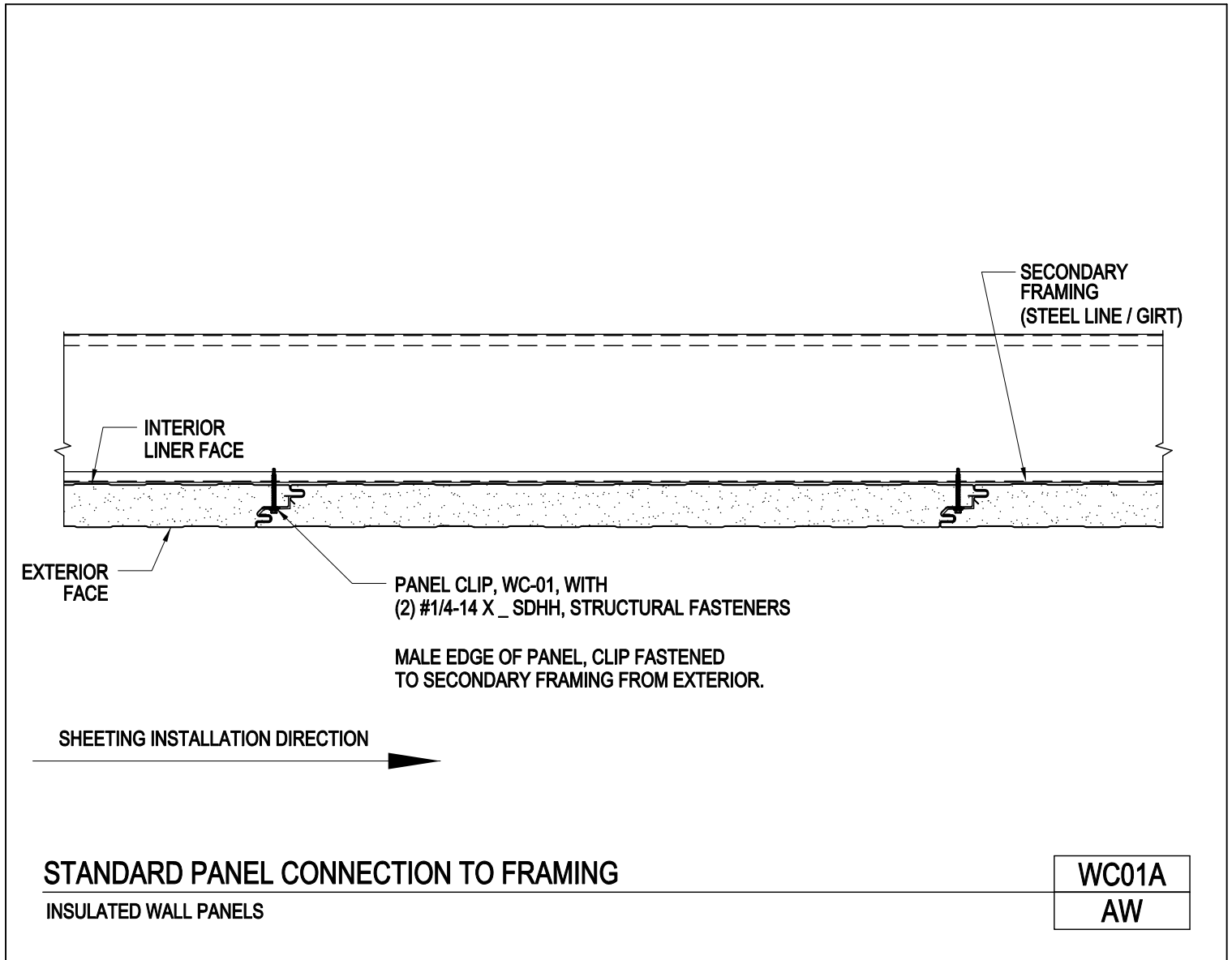
PRODUCT MANUAL

INSULATED WALL PANELS

Standard Panel Connection to Framing

Insulated Wall Panels

WC01A/AW



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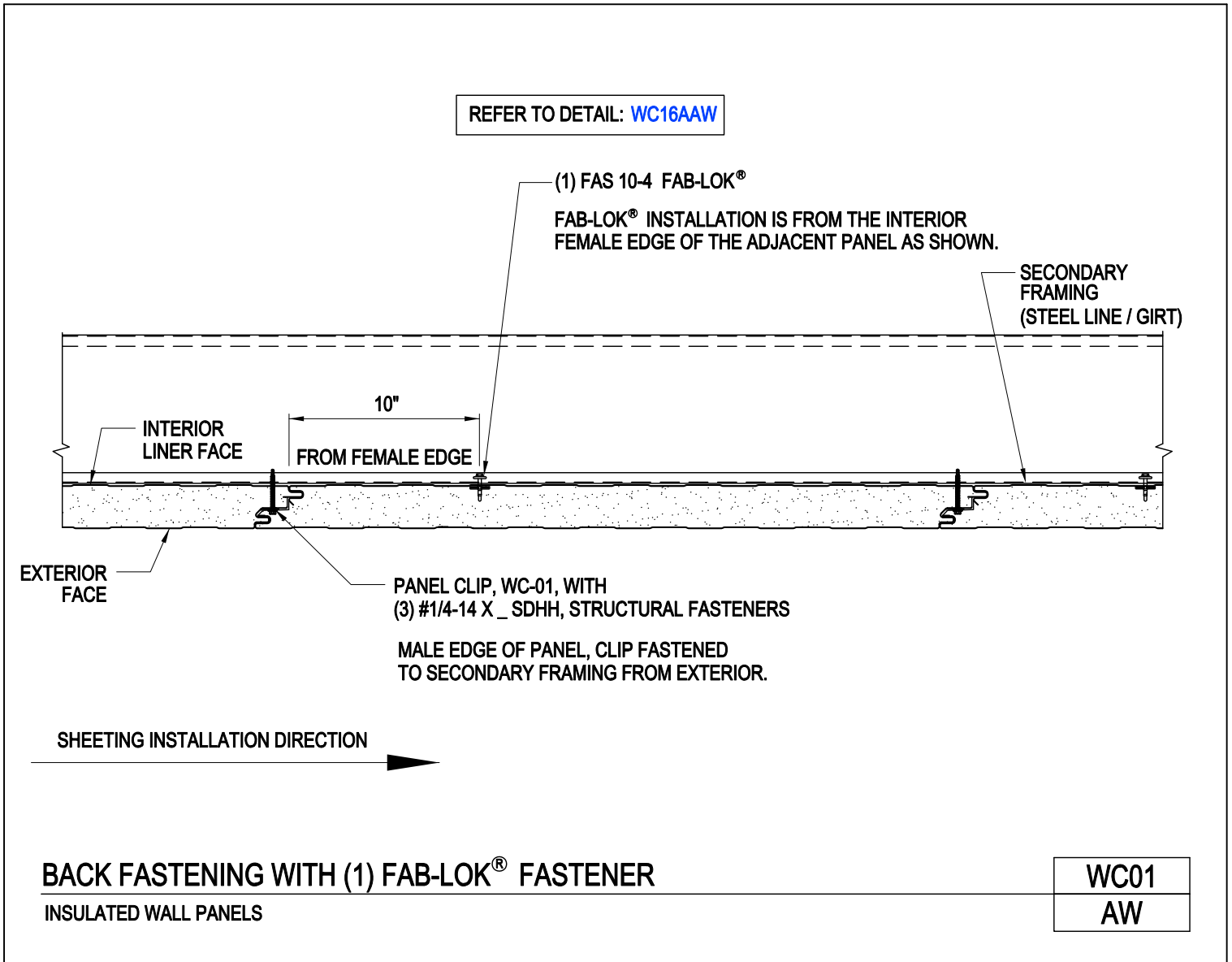
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INSULATED WALL PANELS

Back Fastening w/ (1) Fab-Lok Fastener
Insulated Wall Panels
WC01/AW



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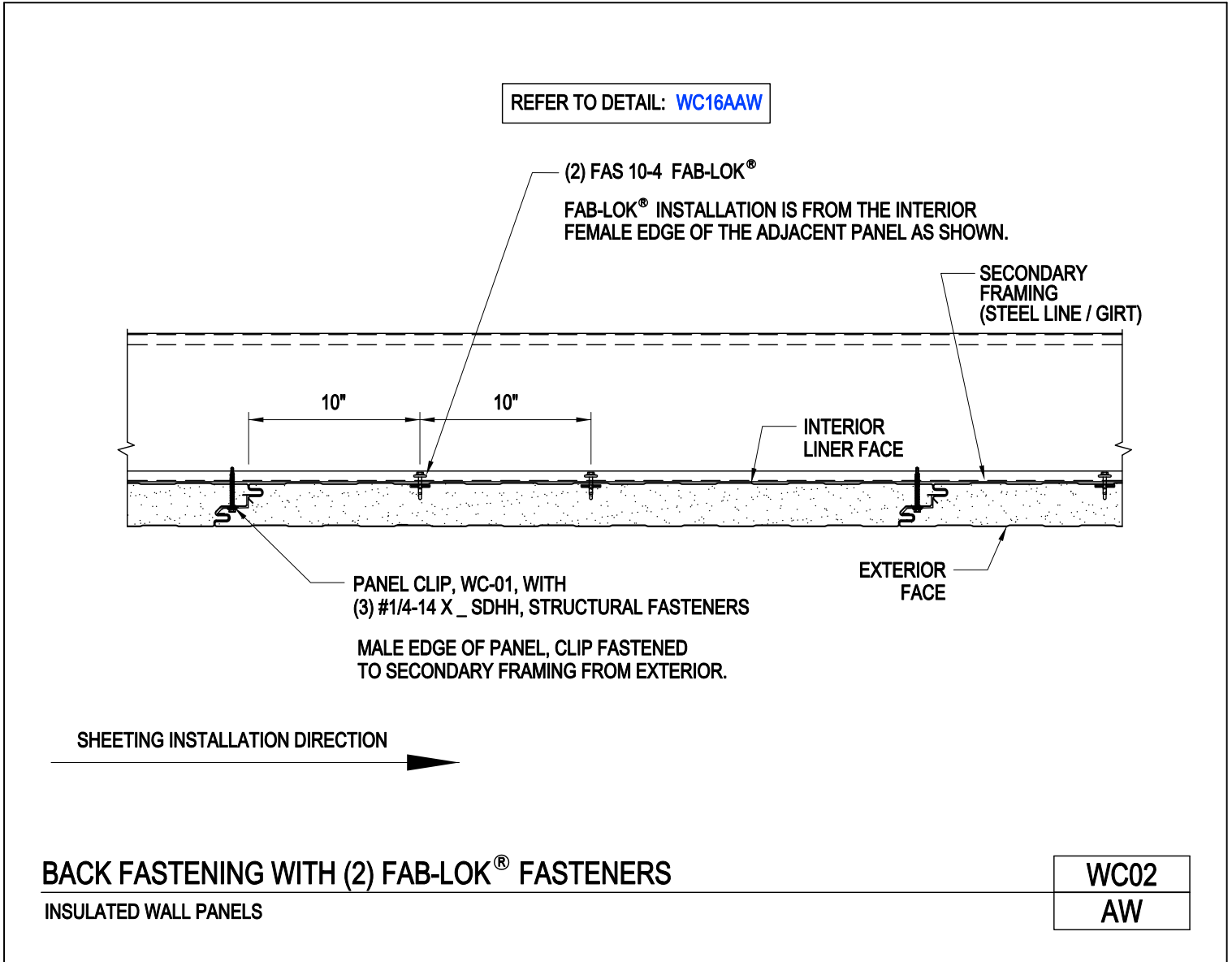
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Back Fastening w/ (2) Fab-Lok Fasteners
Insulated Wall Panels
WC02/AW



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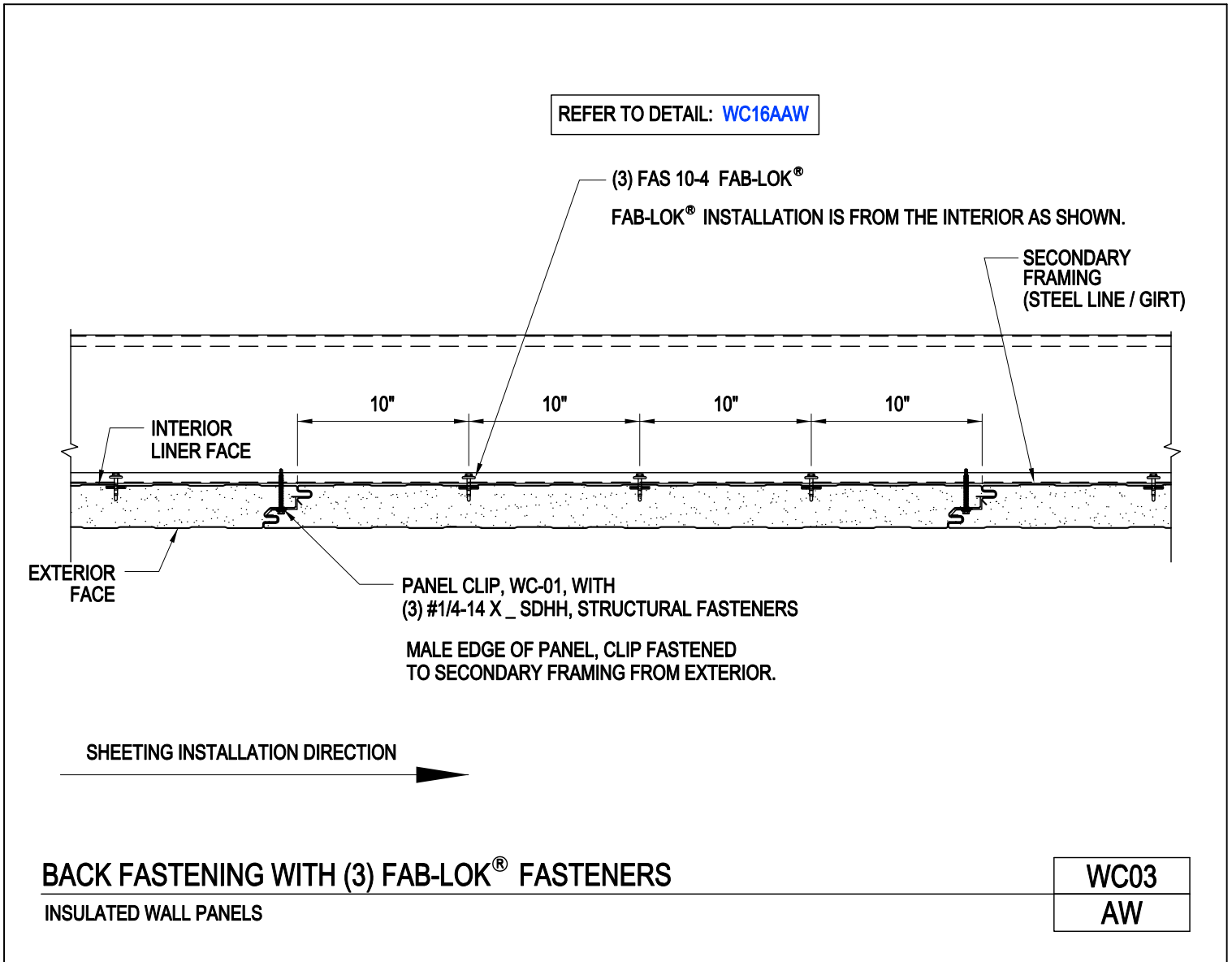
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INSULATED WALL PANELS

Back Fastening w/ (3) Fab-Lok Fasteners
Insulated Wall Panels
WC03/AW



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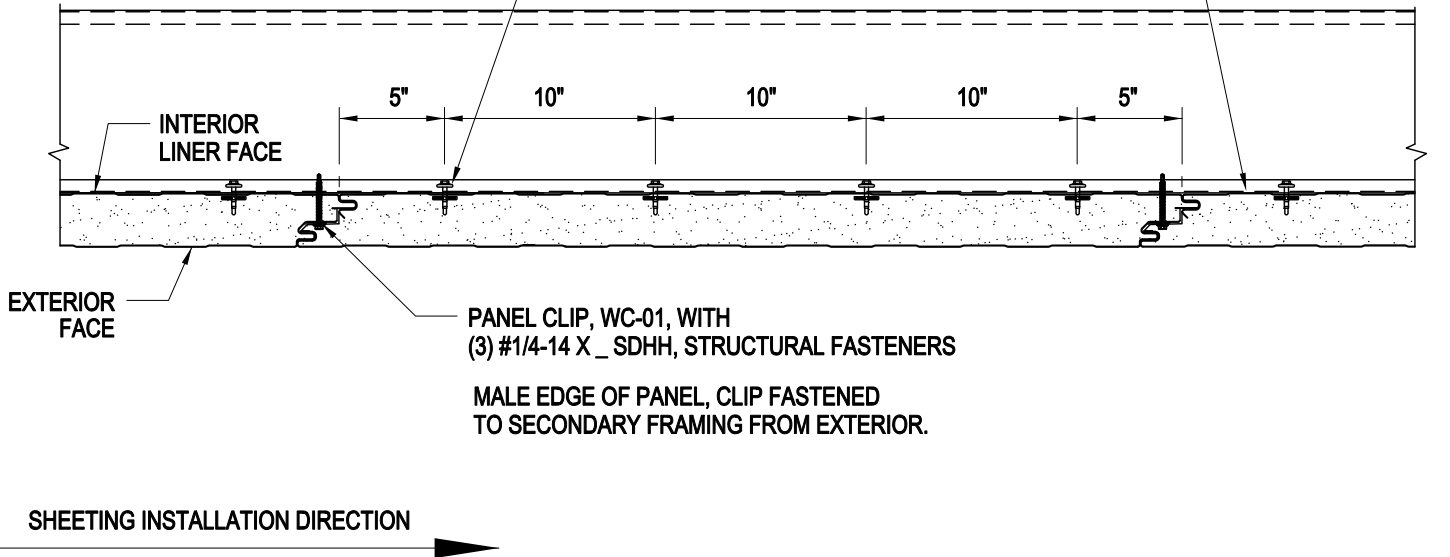
Back Fastening w/ (4) Fab-Lok Fasteners
Insulated Wall Panels
WC04/AW

REFER TO DETAIL: [WC16AAW](#)

(4) FAS 10-4 FAB-LOK®

FAB-LOK® INSTALLATION IS FROM THE INTERIOR AS SHOWN.

SECONDARY
FRAMING
(STEEL LINE / GIRT)



BACK FASTENING WITH (4) FAB-LOK® FASTENERS

INSULATED WALL PANELS

WC04

AW

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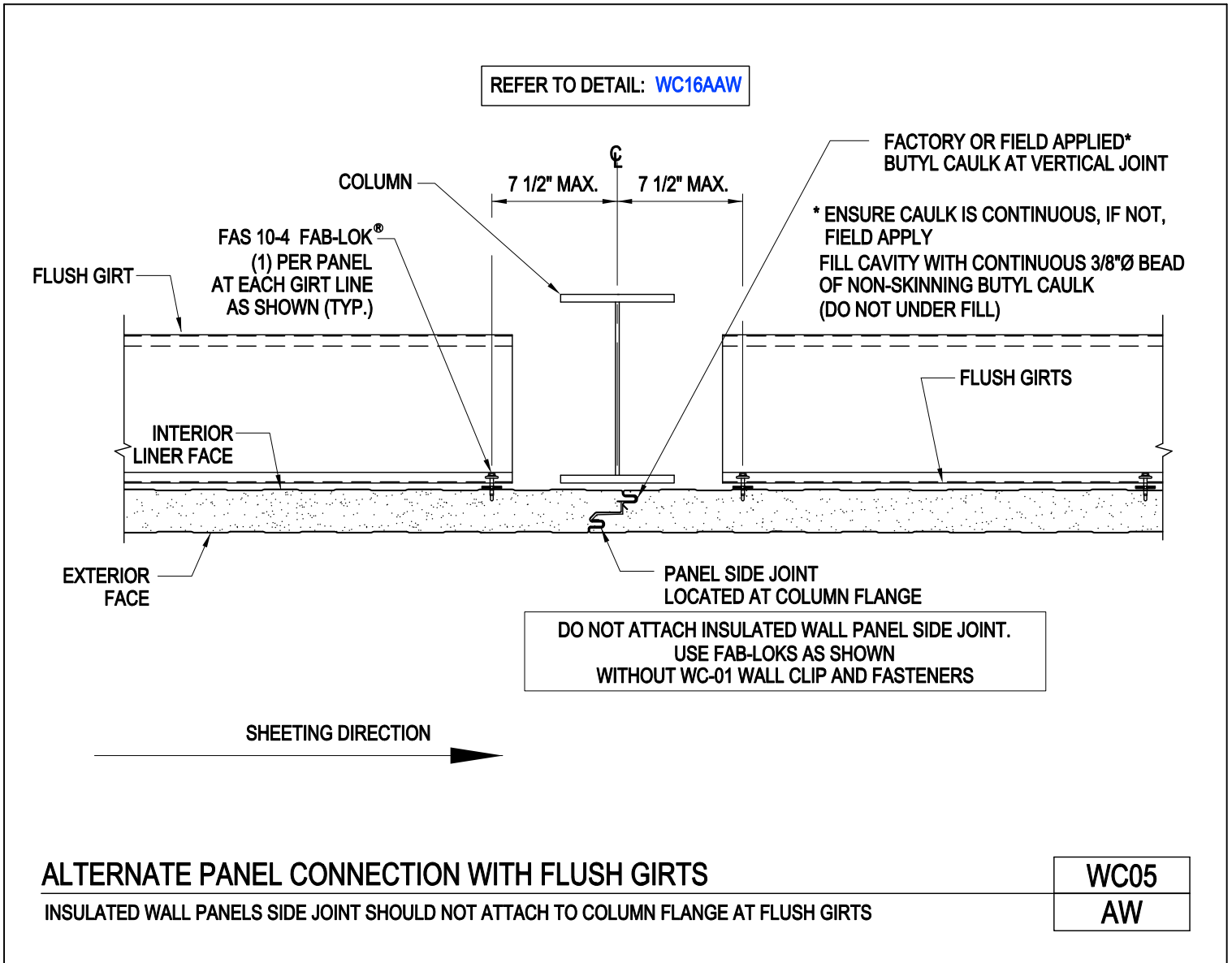
PRODUCT MANUAL

INSULATED WALL PANELS

Alternate Panel Connection w/ Flush Girts

Insulated Wall Panels Side Joint Should Not Attach to Column Flange at Flush Girts

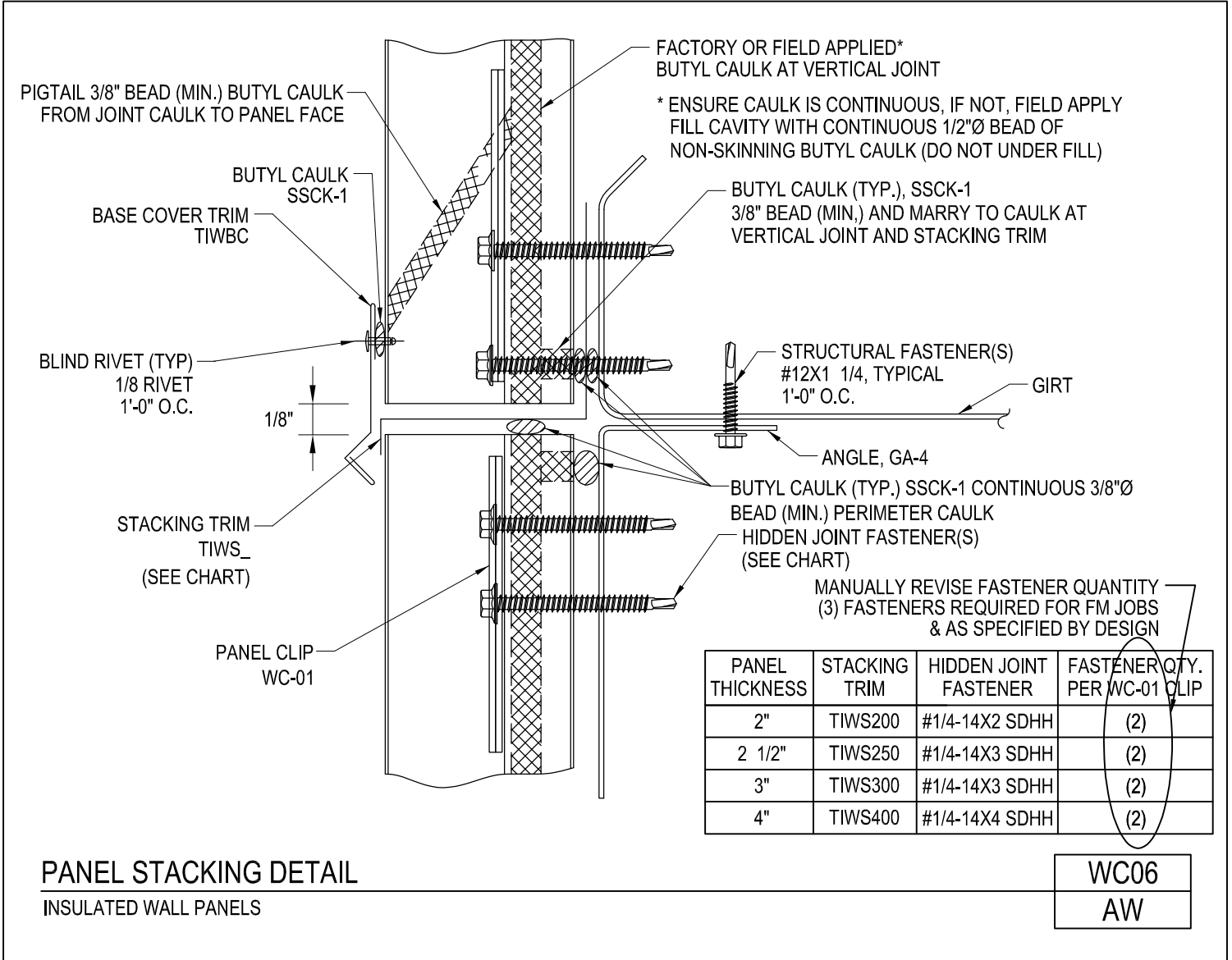
WC05/AW



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Panel Stacking Detail
Insulated Panels
WC06/AW



PANEL STACKING DETAIL

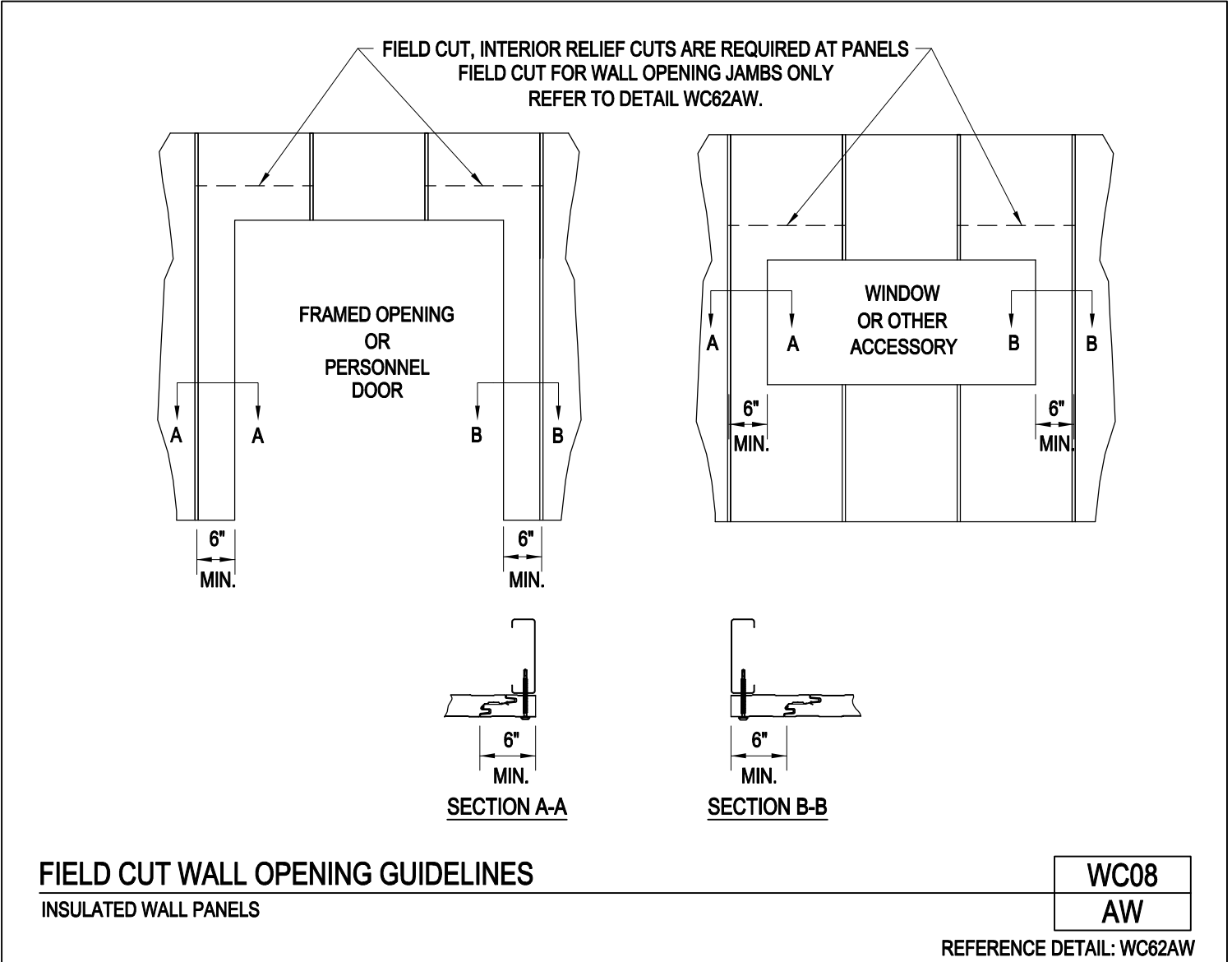
INSULATED WALL PANELS

WC06
AW

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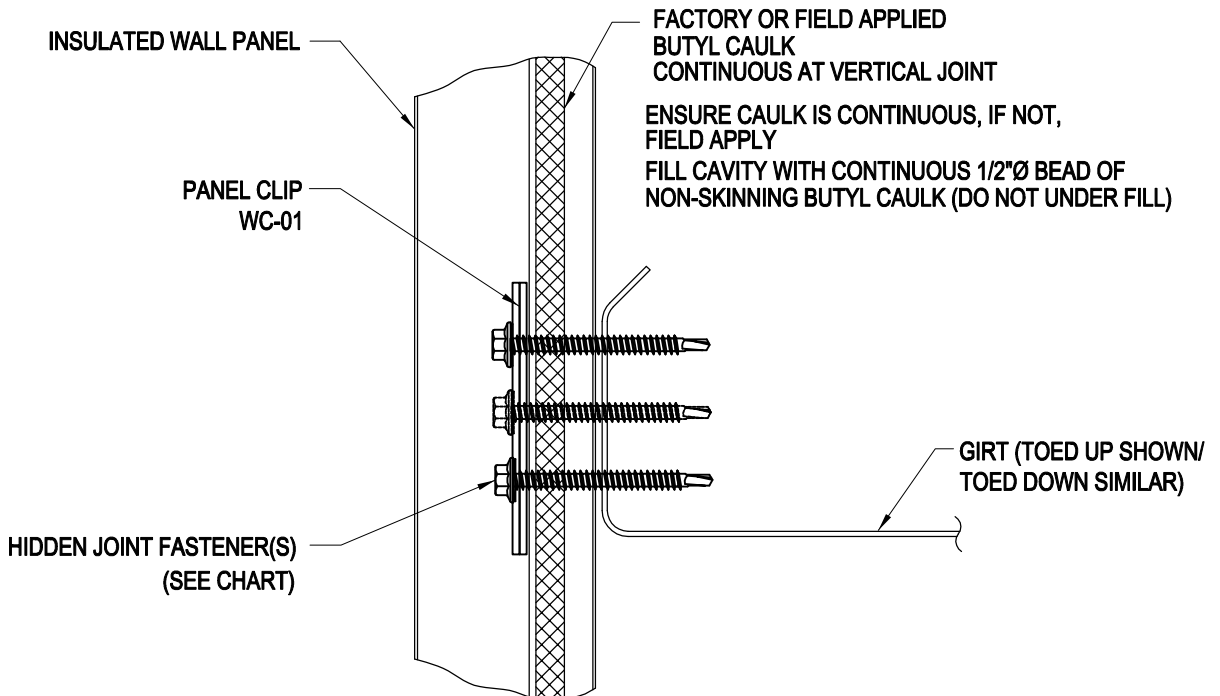
Field Cut Wall Opening Guidelines
Insulated Wall Panels
WC08/AW



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Section at Mid-Span Members / Intermediate Girt
Insulated Wall Panels
WC09A/AW



PANEL THICKNESS	HIDDEN JOINT FASTENER	FASTENER QTY. PER WC-01 CLIP
2"	#1/4-14X2 SDHH	(2)
2 1/2"	#1/4-14X3 SDHH	(2)
3"	#1/4-14X3 SDHH	(2)
4"	#1/4-14X4 SDHH	(2)

MANUALLY REVISE FASTENER QUANTITY AT FM AND WHEN SPECIFIED BY DESIGN (3) FASTENERS PER CLIP

NOTE: DETAIL AT MID-SPAN MEMBERS AWAY FROM CUT PANEL EDGES

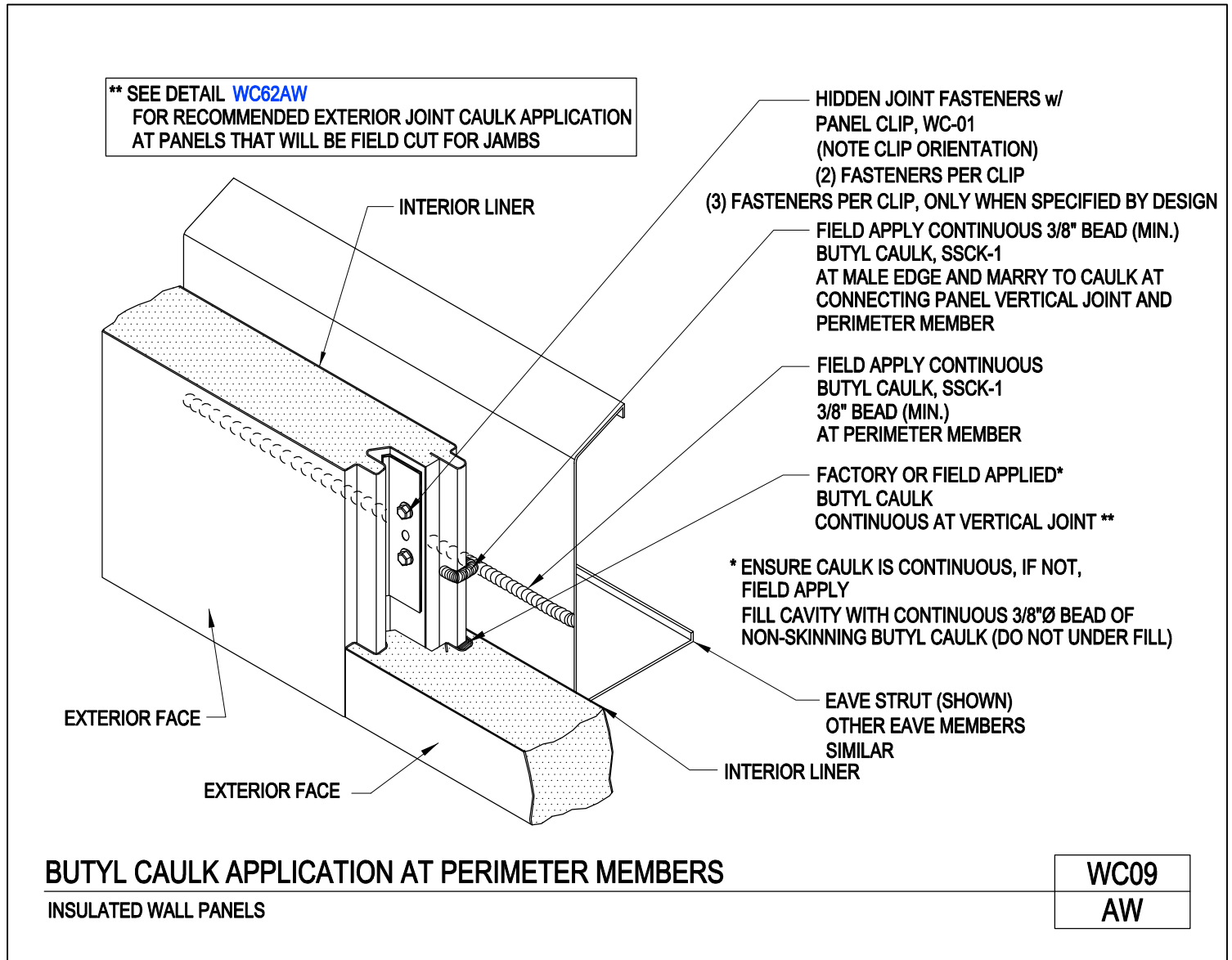
SECTION AT MID-SPAN MEMBERS / INTERMEDIATE GIRT
INSULATED WALL PANELS

WC09A
AW

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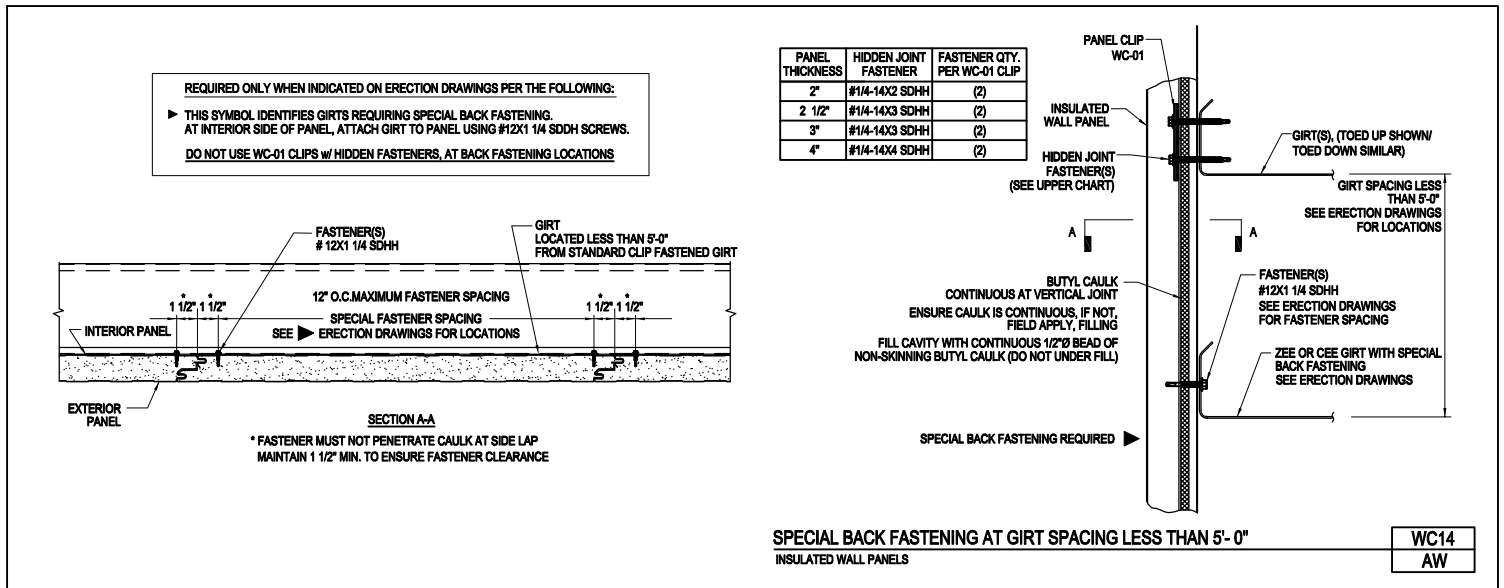
Butyl Caulk Application at Perimeter Members
Insulated Wall Panels
WC09/AW



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Special Back Fastening at Girt Spacing Less Than 5'-0"
Insulated Wall Panels
WC14/AW



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Fab-Lok Back Fastener Installation

Required Only for FM Applications and High Suction Loads (When Specified by Design)

WC16A/AW

WHEN BACK FASTENERS ARE REQUIRED AT EACH SECONDARY FRAMING MEMBER (3) #1/4-14X__ SDHH FASTENERS WILL BE REQUIRED AT ALL WC-01 SIDE JOINT CLIP.

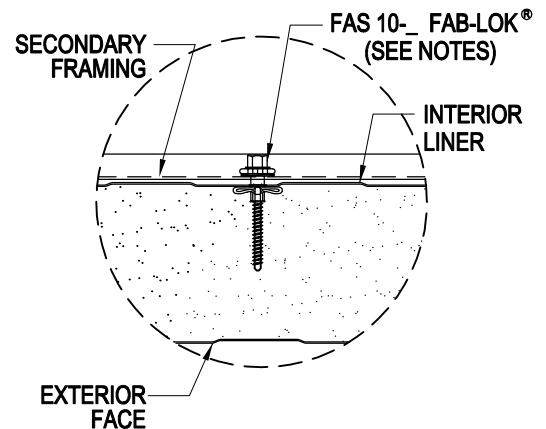
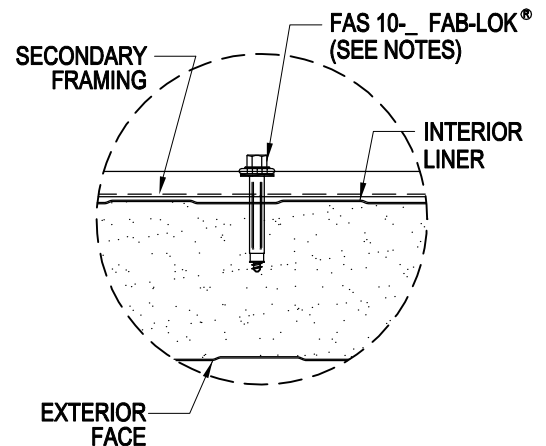
NOTE THE FOLLOWING WHEN BACK FASTENING USING FAB-LOK® FASTENERS:

- 1.) BACK FASTENERS ARE INSTALLED FROM THE INSIDE OF THE BUILDING AFTER THE WALL PANEL HAS BEEN INSTALLED.
- 2.) PRE-DRILL 5/16"Ø HOLES (FROM THE INSIDE OF THE BUILDING THROUGH THE SECONDARY FRAMING MEMBER AND INTERIOR LINER OF THE PANEL AT SPACINGS INDICATED ON THE BACK FASTENING DETAIL. REFER TO THE APPROPRIATE LAYOUT DETAIL ([WC01AW](#), [WC02AW](#), [WC03AW](#) OR [WC04AW](#)).
- 3.) INSERT FAB-LOK® FASTENER INTO 5/16"Ø HOLE.
- 4.) SECURE THE OUTER COLLAR OF THE FASTENER USING A 5/8" BOX WRENCH, TIGHTEN INNER HEX HEAD SCREW OF THE FAB-LOK® AS REQUIRED TO FULLY SEAT.

NOTE: IN LIEU OF THE 5/8" BOX WRENCH A POWER DRIVER EQUIPPED WITH A HOLDING SLEEVE IS AVAILABLE THROUGH THE FAB-LOK® FASTENER MANUFACTURER.

- 5.) REPEAT STEPS ABOVE AS REQUIRED.

NOTE: SOME LOCATIONS, ESPECIALLY AT COLUMNS, MAY REQUIRE A SLIGHT SPACING ADJUSTMENT TO CLEAR FLANGES / FRAMING.



FAB-LOK® BACK FASTENER INSTALLATION

REQUIRED ONLY FOR FM APPLICATIONS AND HIGH SUCTION LOADS OR OTHER AREAS AS REQUIRED BY DESIGN

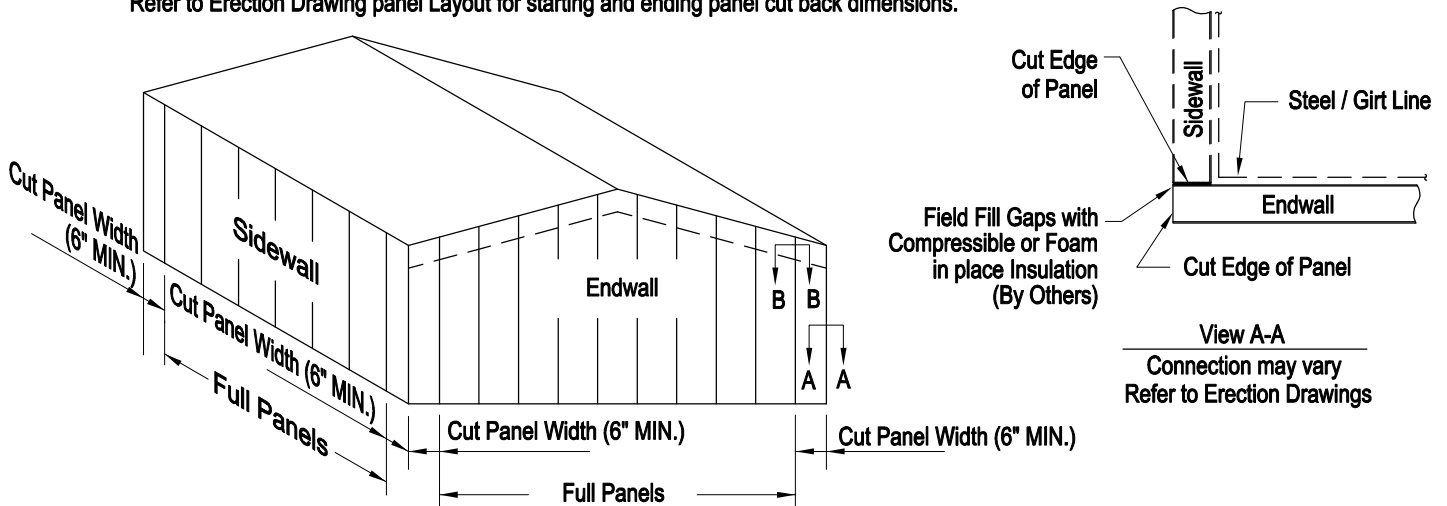
WC16A
AW

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

[To Section Index](#)

Panel Layout Guidelines
Insulated Wall Panels
WC20/AW

Step 1: Field cut corner panels to create closed corner for retention of insulating properties.
Refer to Erection Drawing panel Layout for starting and ending panel cut back dimensions.

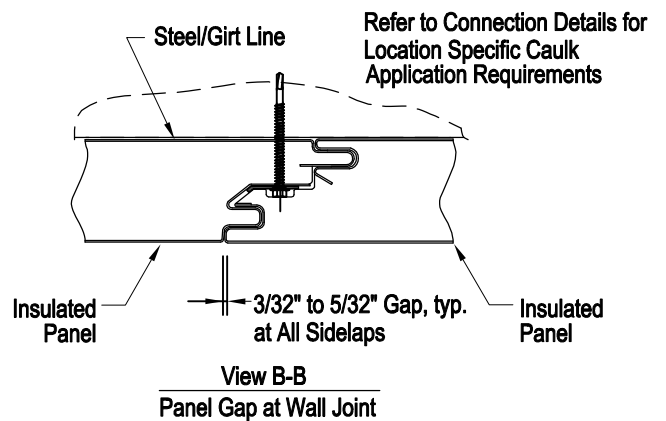


Step 2: Apply required caulk to all support members at corner and place cut edge of first panel into position, plumb and fasten to all support members in order.

DO NOT skip members or attach panel at top then bottom. This can cause panels to bow and may make it impossible for them to return to the normal position.

Note: Temporary panel support (by others) may be required at panels that bypass the base to provide panel support during connection to support members.

Step 3: Place the second panel into position so the bottom corner of second panel joint engages the first panel then push until joint fully engages.
Check to ensure that the panel is square and level.



PANEL LAYOUT GUIDELINES

INSULATED WALL PANELS

WC20
AW

REFERENCE DETAIL: WC27

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[To Section Index](#)

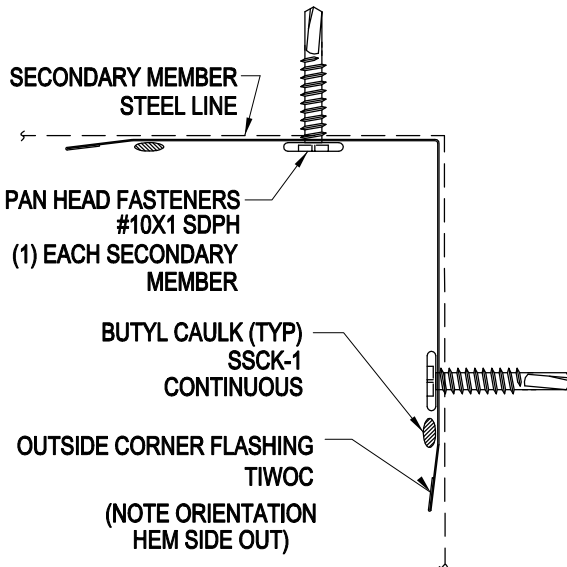
Inside Corner Detail (Standard Cut Panel)
Insulated Wall Panels
WC21/AW

PANEL THICKNESS	THROUGH FASTENER	QTY
2"	#1/4-14X3 SDPH	2
2 1/2"	#1/4-14X4 SDPH	2
3"	#1/4-14X4 SDPH	2
4"	#1/4-14X5 SDPH	2

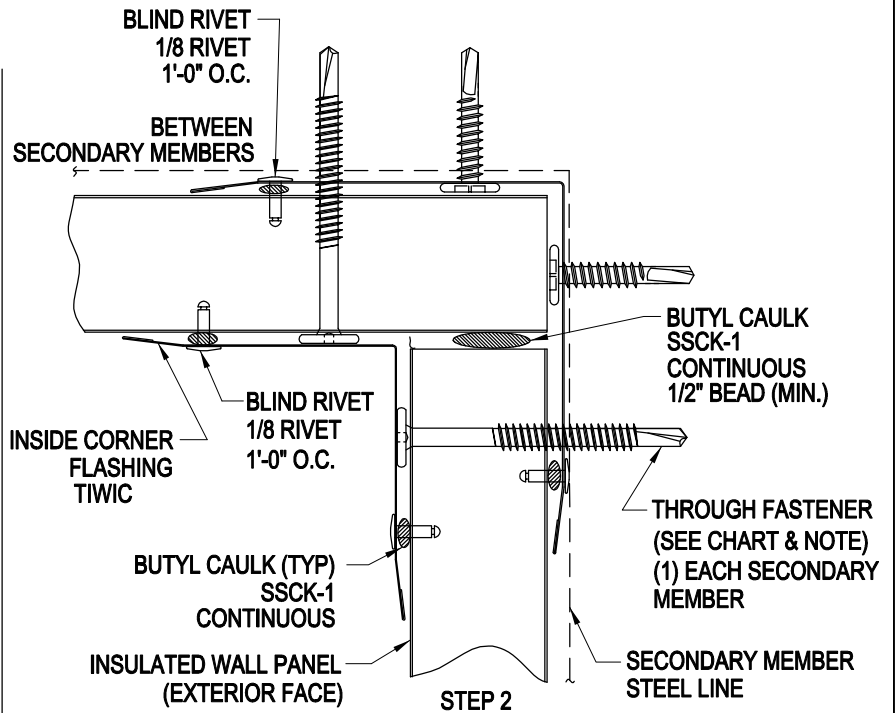
NOTE:

THE USE OF A CENTER PUNCH TO SLIGHTLY DIMPLE THE PANEL FACE PRIOR TO INSTALLING THE THROUGH FASTENERS IS RECOMMENDED TO PREVENT "WALKING" OF THE FASTENERS.

EXCESSIVE DAMAGE TO THE PANEL FINISH DURING INSTALLATION MAY VOID THE PANEL FINISH WARRANTY.



STEP 1
PRIOR TO WALL PANEL INSTALLATION
ATTACH OUTSIDE CORNER FLASHING TO STEEL LINE



STEP 2
AFTER WALL PANEL INSTALLATION
ATTACH INSIDE CORNER FLASHING TO PANEL FACE

INSIDE CORNER DETAIL (STANDARD CUT PANEL)

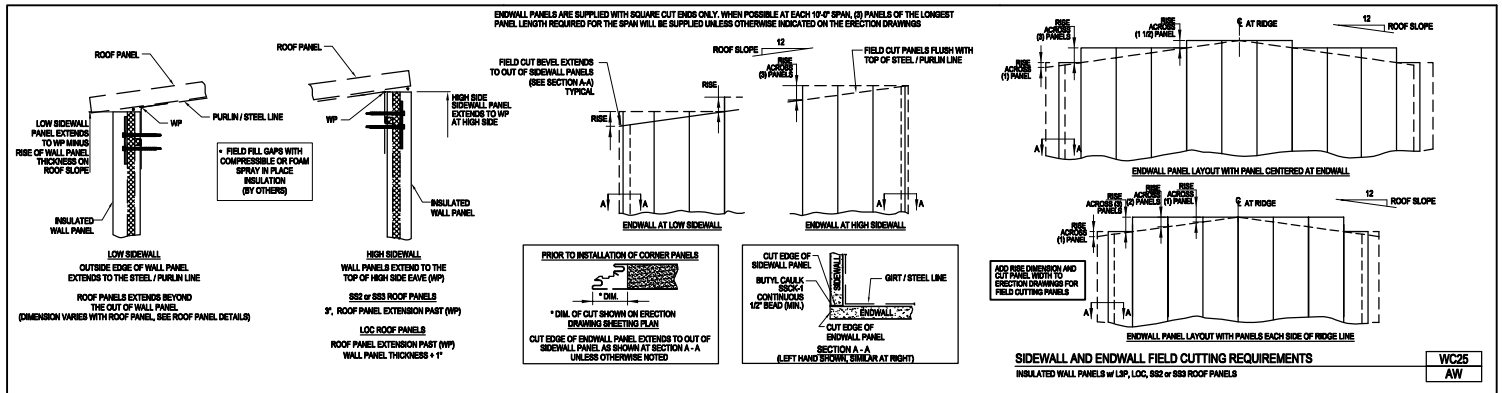
INSULATED WALL PANELS

WC21
AW

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

[To Section Index](#)

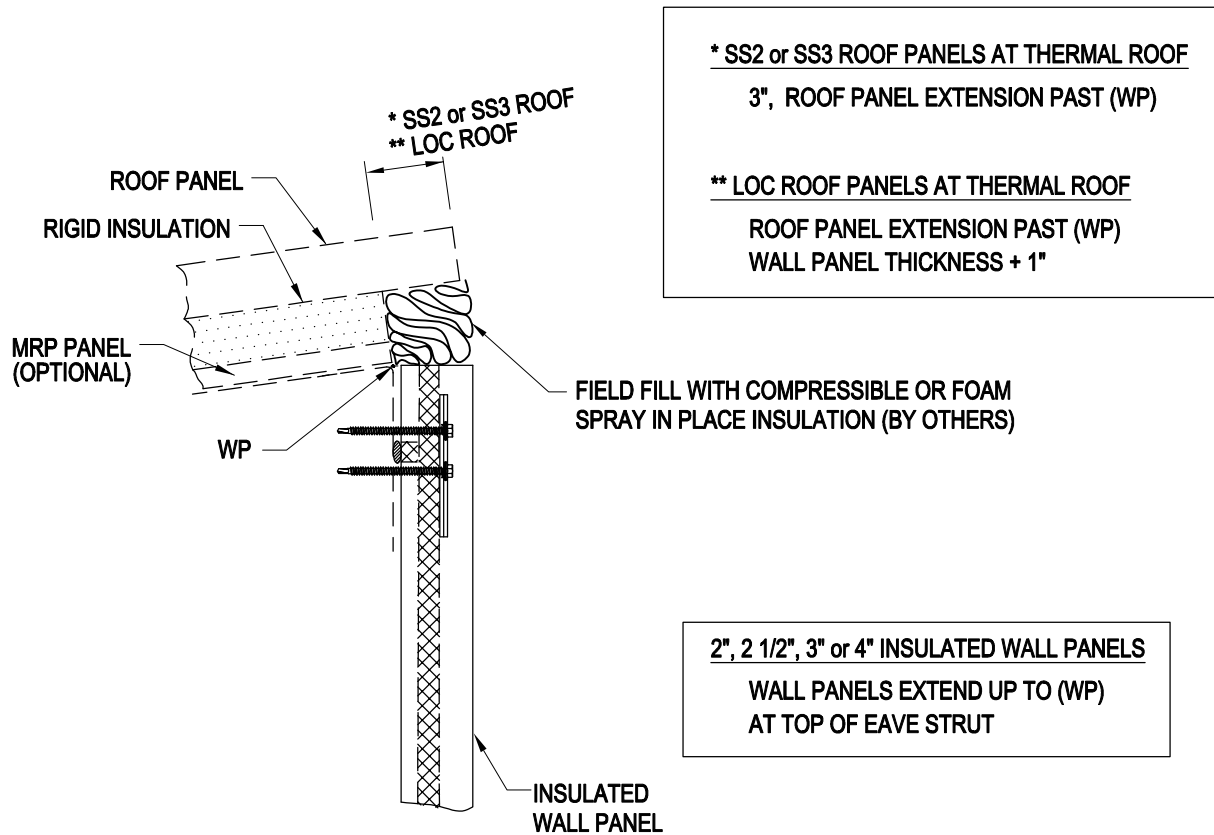
Sidewall and Endwall Field Cutting Requirements
 Insulated Wall Panels w/ L3P, LOC, SS2 or SS3 Roof Panels
 WC25/AW



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

[To Section Index](#)

High Sidewall Roof and Wall Panel Lengths
 SS2, SS3, or LOC Roof Panels w/ Thermal Roof and Insulated Wall Panels
 WC25B/AW



HIGH SIDE PANEL LENGTHS

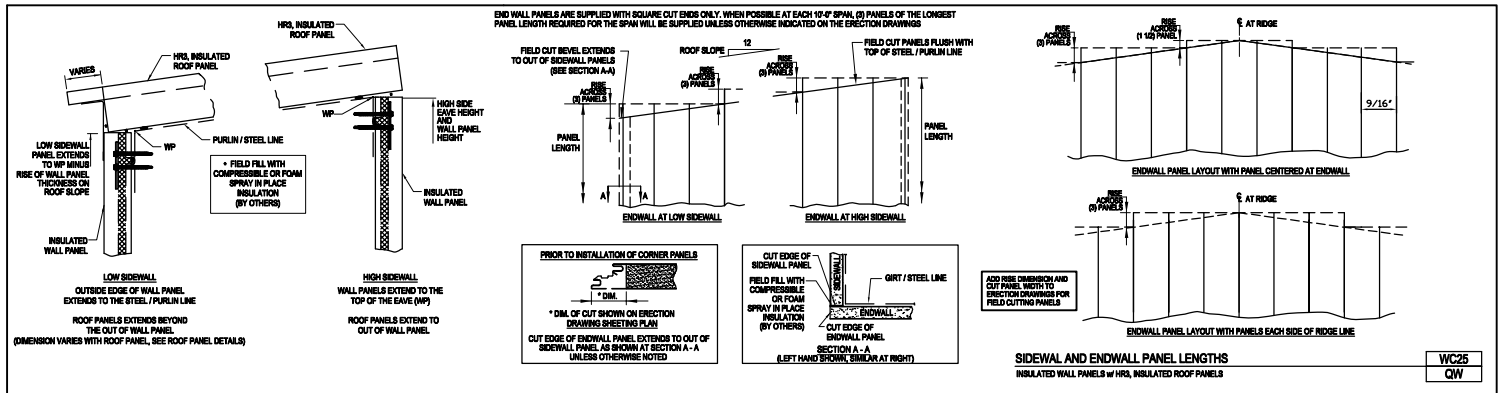
SS2, SS3, or LOC ROOF PANELS WITH THERMAL ROOF AND INSULATED WALL PANELS

WC25B
AW

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[To Section Index](#)

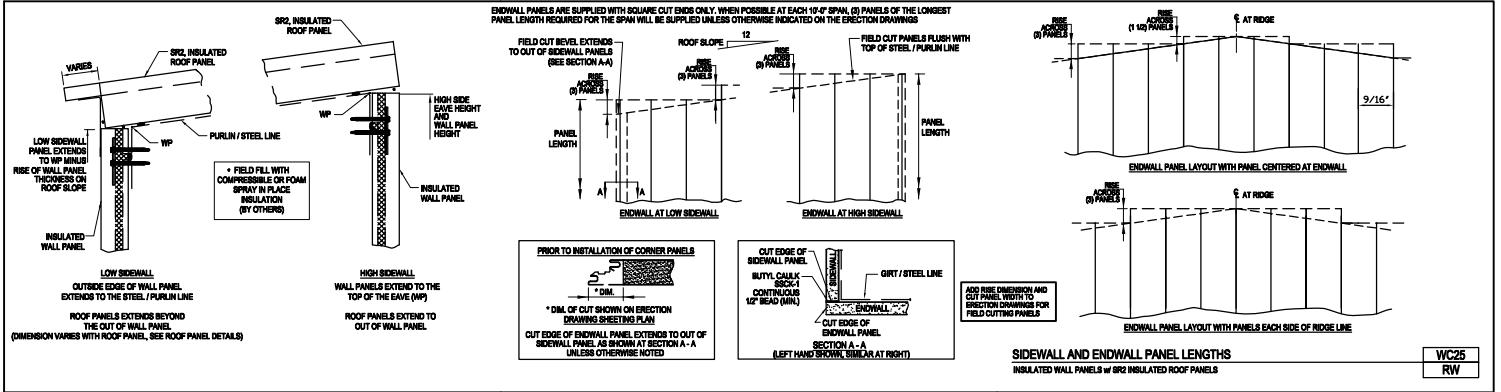
Panel Lengths
Insulated Wall Panels w/ HR3 Insulated Roof Panels
WC25/QW



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[To Section Index](#)

Sidewall Panel Lengths
Insulated Wall Panels w/ SR2 Insulated Roof Panels
WC25/RW



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[To Section Index](#)

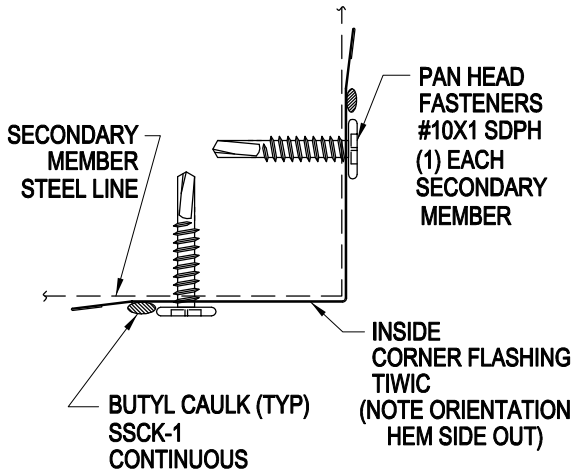
Outside Corner Detail (Standard Cut Panel)
Insulated Wall Panels
WC26/AW

PANEL THICKNESS	THROUGH FASTENER	QTY
2"	#1/4-14X3 SDPH	2
2 1/2"	#1/4-14X4 SDPH	2
3"	#1/4-14X4 SDPH	2
4"	#1/4-14X5 SDPH	2

NOTE:

THE USE OF A CENTER PUNCH TO SLIGHTLY DIMPLE THE PANEL FACE PRIOR TO INSTALLING THE THROUGH FASTENERS IS RECOMMENDED TO PREVENT "WALKING" OF THE FASTENERS.

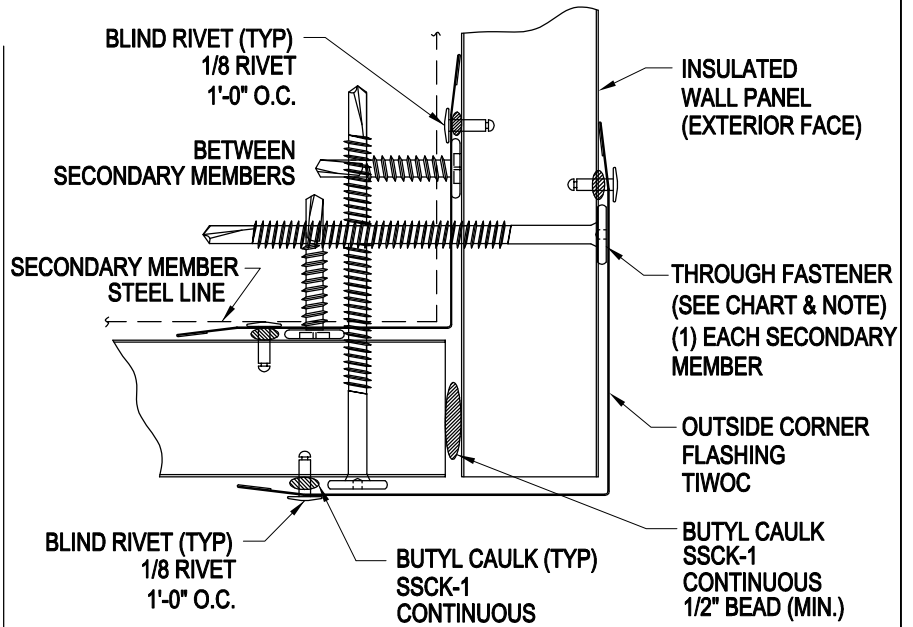
EXCESSIVE DAMAGE TO THE PANEL FINISH DURING INSTALLATION MAY VOID THE PANEL FINISH WARRANTY.



PRIOR TO WALL PANEL INSTALLATION
INSTALL INSIDE FLASHING TO STEEL LINE

STEP 1

PRIOR TO WALL PANEL INSTALLATION
ATTACH OUTSIDE CORNER FLASHING TO STEEL LINE



STEP 2

AFTER WALL PANEL INSTALLATION
ATTACH INSIDE CORNER FLASHING TO PANEL FACE


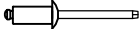
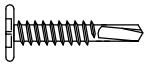
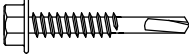
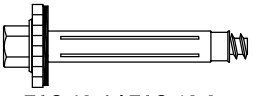
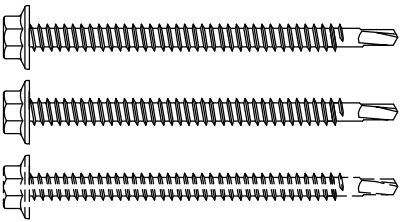
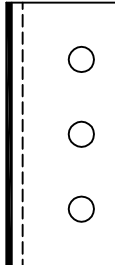

OUTSIDE CORNER DETAIL (STANDARD CUT PANEL)

INSULATED WALL PANELS

WC26
AW

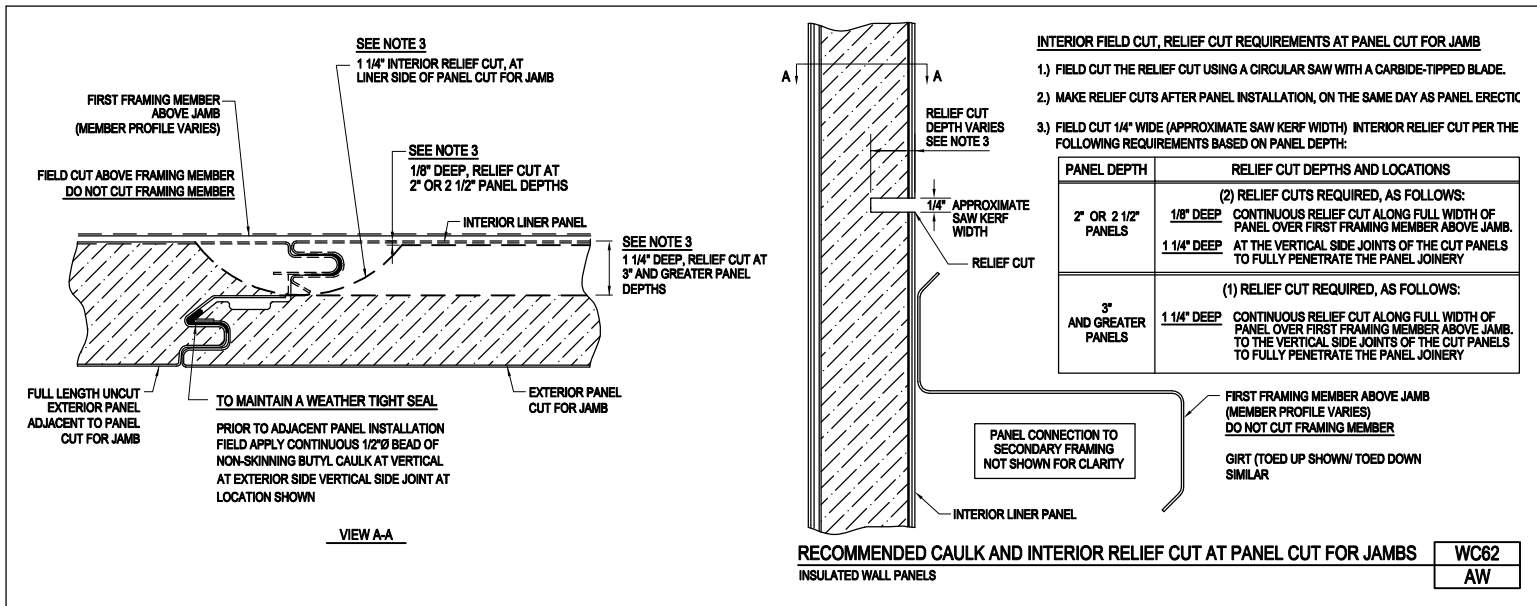
[Download the DWG file by clicking here.](#)

Basic Fasteners and Fastener Charts
Insulated Panels
WC61/AW

<p>Face Fastening at Flashing and Trim, (Color Match):</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>#14 x 3/4 SDHH Self Drill, Hex Head without Washer</p> </div> <div style="text-align: center;">  <p>1/8 RIVET 1/8 Blind Rivet</p> </div> </div>	<p>Miscellaneous Fastener:</p> <div style="text-align: center;">  <p>#10x1 SDPH Self Drill, Pan Head Screw</p> </div>	<p>Secondary Fastener:</p> <div style="text-align: center;">  <p>#12X1 1/4 SDHH (TEK3) Self Drilling, Carbon Steel Hex Fastener without Washer (#12X1 1/4 SDHHTEK4 / #12X1 1/2SDHHTEK5)</p> </div>	<p>Back Fastener at Interior Panel to Support Member:</p> <div style="text-align: center;">  <p>FAS 10-4 / FAS-10-8 FAB-LOK® (See Notes)</p> </div>															
<div style="display: flex; align-items: center;"> <div style="flex: 1;">  <p>#1/4-14X_ SDHH Self Drilling, Hex Head (Hidden Fastener, See Note*)</p> </div> <div style="flex: 0.5; text-align: center;">  <p>PANEL CLIP WC-01</p> </div> </div>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">Structural Fastening at Panel Hidden Joint</th> </tr> <tr> <th>Panel Thickness</th> <th>Hidden Fastener (See Note*)</th> <th>Panel Clip</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>#1/4-14X2 SDHH</td> <td rowspan="4" style="text-align: center; vertical-align: middle;">WC-01</td> </tr> <tr> <td>2 1/2"</td> <td>#1/4-14X3 SDHH</td> </tr> <tr> <td>3"</td> <td>#1/4-14X3 SDHH</td> </tr> <tr> <td>4"</td> <td>#1/4-14X4 SDHH</td> </tr> </tbody> </table> <p>(Note*: Clip Fastener Quantity may vary see panel connection details.)</p>			Structural Fastening at Panel Hidden Joint			Panel Thickness	Hidden Fastener (See Note*)	Panel Clip	2"	#1/4-14X2 SDHH	WC-01	2 1/2"	#1/4-14X3 SDHH	3"	#1/4-14X3 SDHH	4"	#1/4-14X4 SDHH
Structural Fastening at Panel Hidden Joint																		
Panel Thickness	Hidden Fastener (See Note*)	Panel Clip																
2"	#1/4-14X2 SDHH	WC-01																
2 1/2"	#1/4-14X3 SDHH																	
3"	#1/4-14X3 SDHH																	
4"	#1/4-14X4 SDHH																	
<div style="text-align: center;">  <p>#1/4-14X_ SDPH Self Drilling, Pancake Head (Through Fastener)</p> </div>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">Structural Fastener at Panel Face</th> </tr> <tr> <th>Panel Thickness</th> <th>Through Fastener</th> </tr> </thead> <tbody> <tr> <td>2"</td> <td>#1/4-14X3 SDPH</td> </tr> <tr> <td>2 1/2"</td> <td>#1/4-14X4 SDPH</td> </tr> <tr> <td>3"</td> <td>#1/4-14X4 SDPH</td> </tr> <tr> <td>4"</td> <td>#1/4-14X5 SDPH</td> </tr> </tbody> </table>			Structural Fastener at Panel Face		Panel Thickness	Through Fastener	2"	#1/4-14X3 SDPH	2 1/2"	#1/4-14X4 SDPH	3"	#1/4-14X4 SDPH	4"	#1/4-14X5 SDPH			
Structural Fastener at Panel Face																		
Panel Thickness	Through Fastener																	
2"	#1/4-14X3 SDPH																	
2 1/2"	#1/4-14X4 SDPH																	
3"	#1/4-14X4 SDPH																	
4"	#1/4-14X5 SDPH																	
<p>NOTES: The use of a Center Punch to slightly Dimple the Panel Face prior to installing Through Fasteners is recommended to prevent "Walking" of the fasteners. Excessive damage to the panel finish during installation may Void the panel finish warranty. FAB-LOK® fasteners for back fastening will be required when specified by design and at FM jobs. FAS 10-4 will be required at material thicknesses less than 1/4" and FAS 10-8 fasteners will be required at material thickness greater than 1/4".</p>																		
<p>BASIC FASTENERS AND FASTENER CHARTS</p> <p>INSULATED WALL PANELS</p>			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;">WC61</td> </tr> <tr> <td style="text-align: center; padding: 5px;">AW</td> </tr> </table>	WC61	AW													
WC61																		
AW																		

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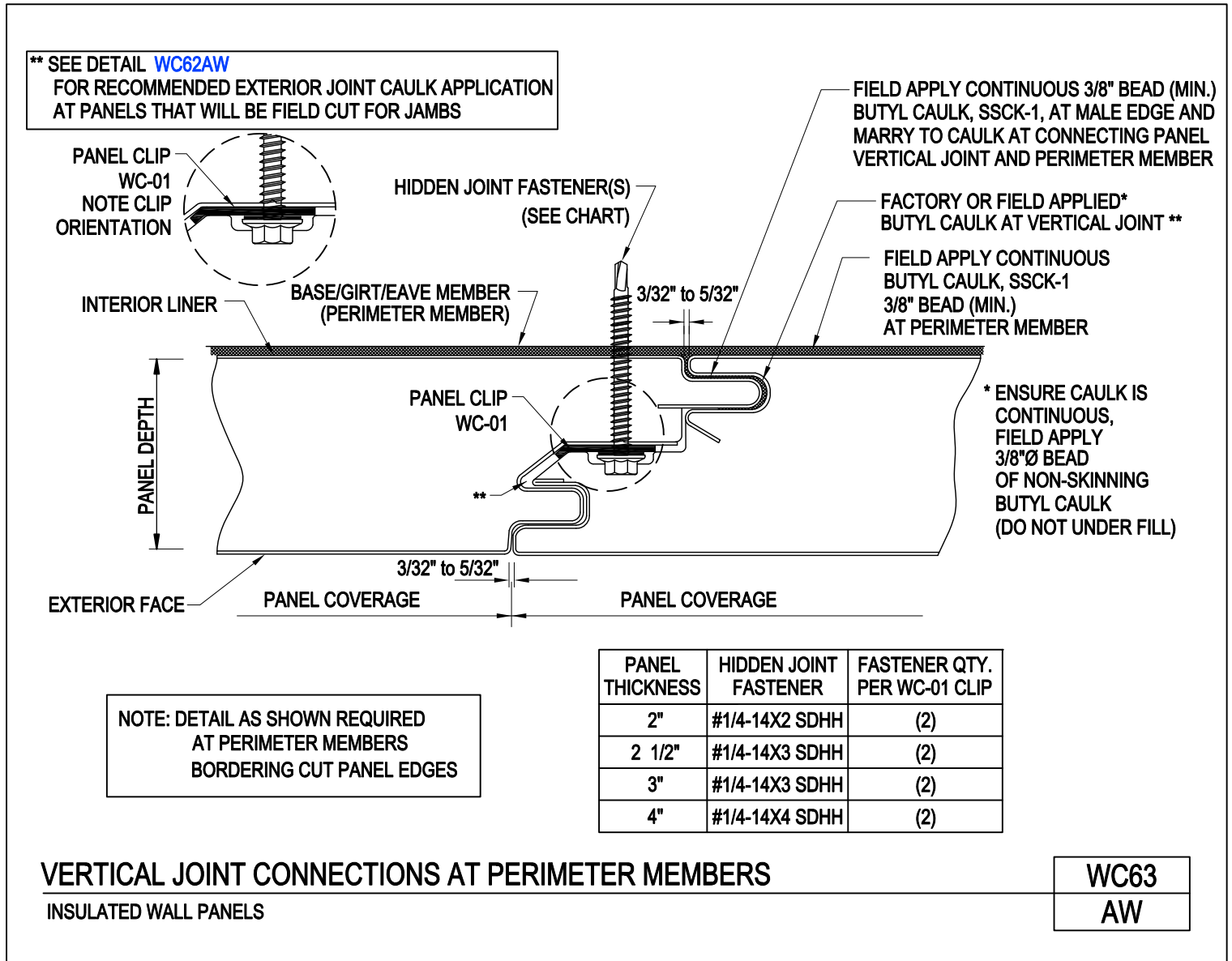
Recommended Caulk and Interior Relief Cut at Panel Cut for Jamb
Insulated Wall Panels
WC62/AW



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Vertical Joint Connections at Perimeter Members
Insulated Wall Panels
WC63/AW



VERTICAL JOINT CONNECTIONS AT PERIMETER MEMBERS

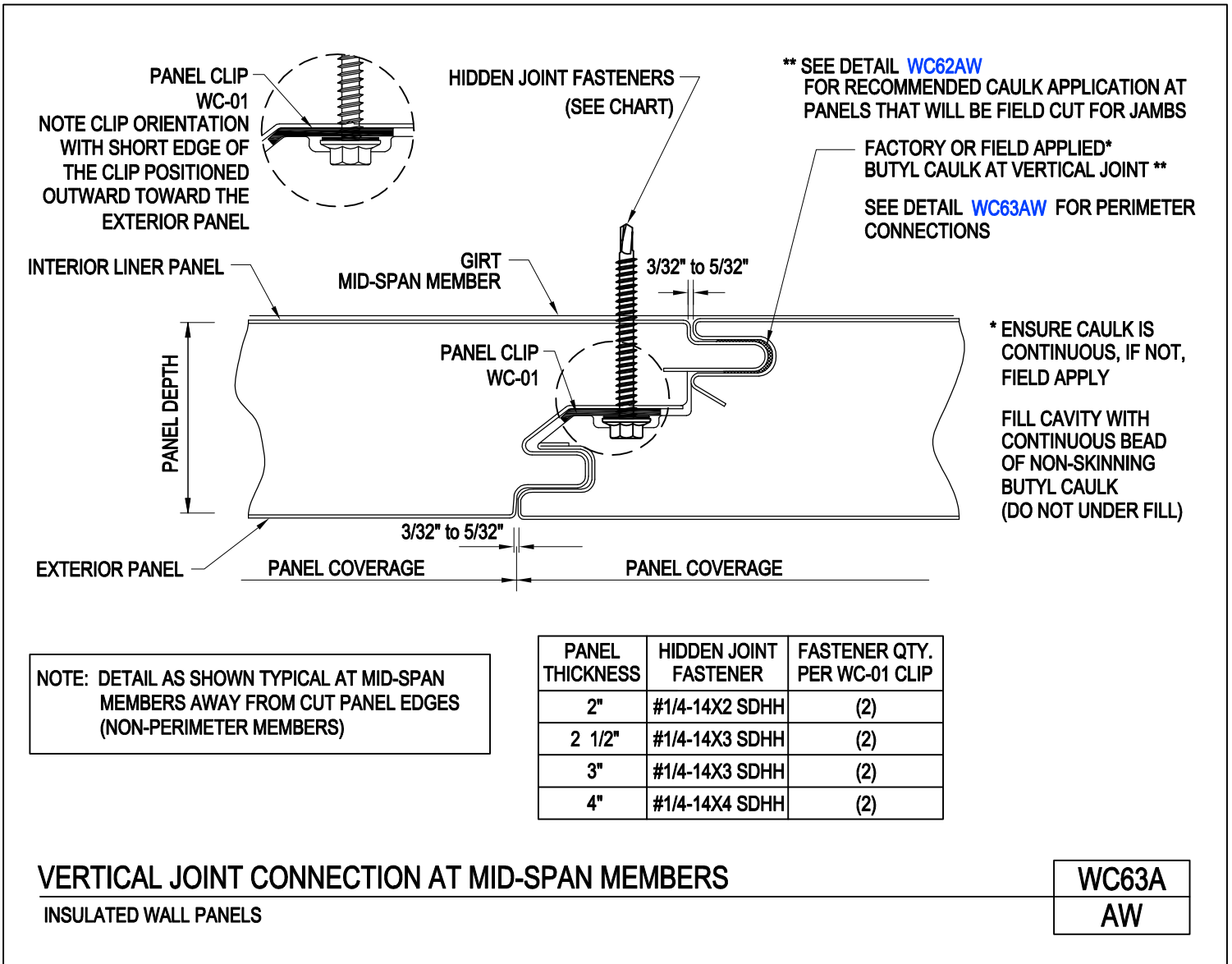
INSULATED WALL PANELS

WC63
AW

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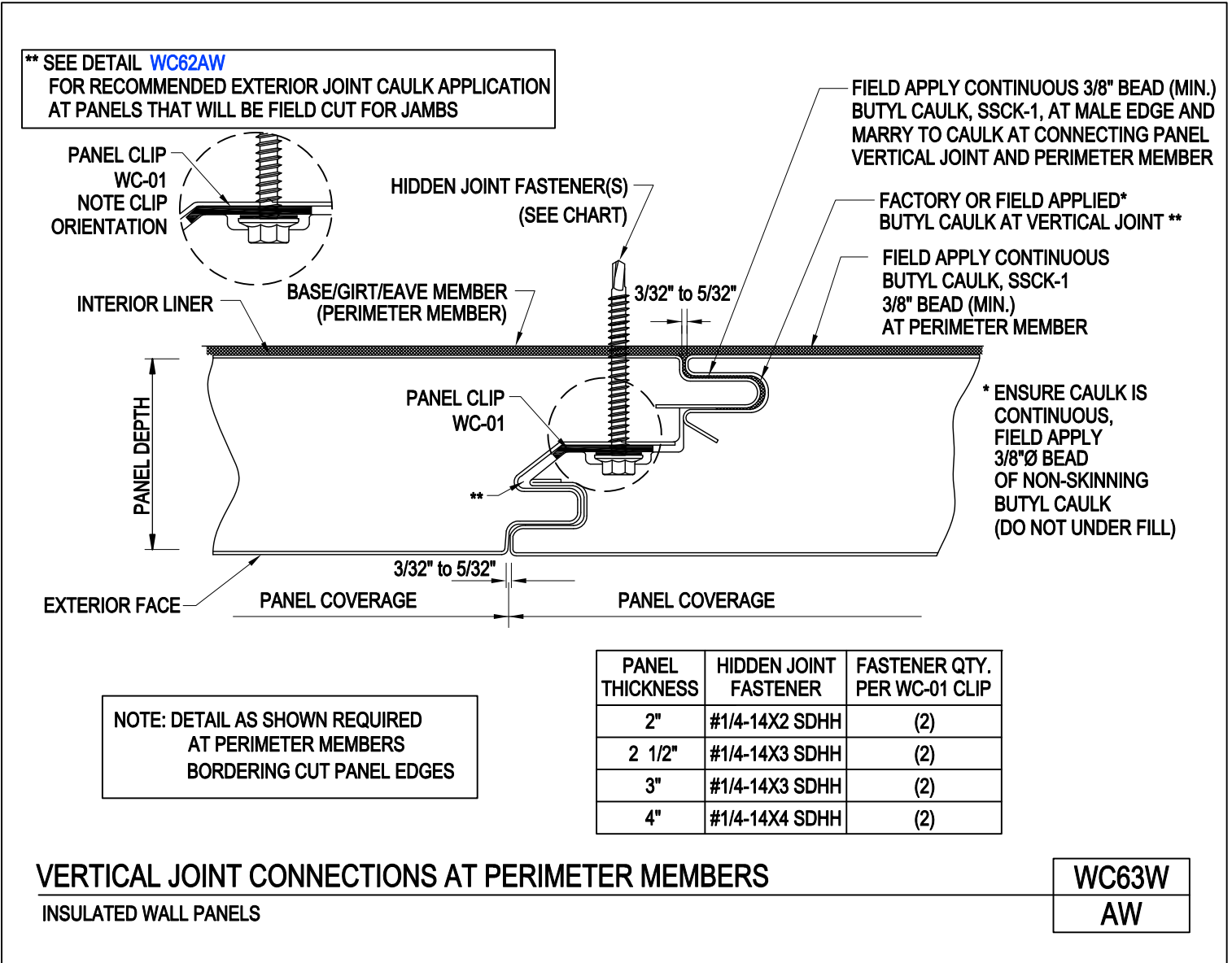
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Vertical Joint Connection at Mid-Span Members
Insulated Wall Panels
WC63A/AW



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Vertical Joint Connections at Perimeter Members
 Insulated Wall Panels
 WC63W/AW



VERTICAL JOINT CONNECTIONS AT PERIMETER MEMBERS

INSULATED WALL PANELS

**WC63W
AW**

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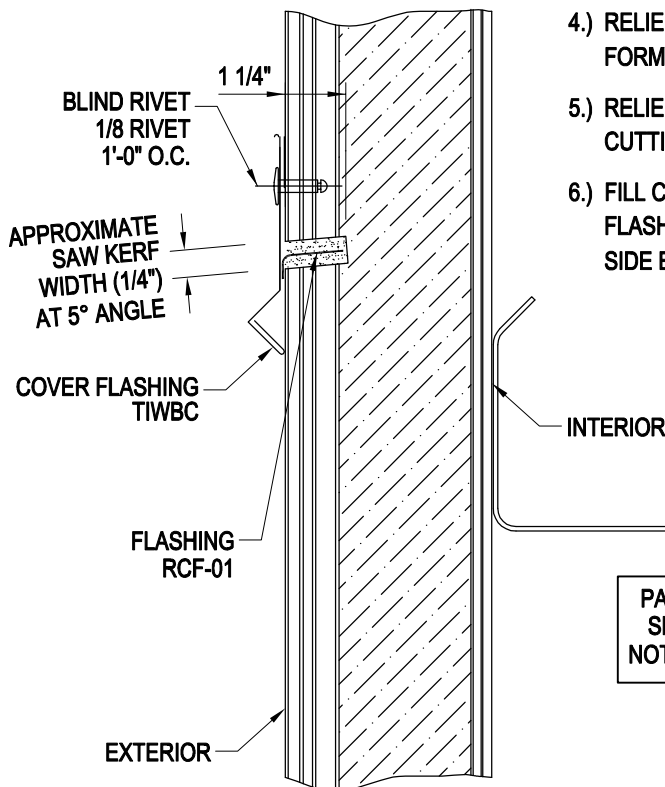
Continuous Exterior Relief Cut - Field Cutting

Required at Insulated Wall Panels Exceeding Maximum Recommended Lengths

WC64A/AW

FIELD CUT, CONTINUOUS RELIEF CUT AT PANEL EXTERIOR

- 1.) FIELD CUT THE RELIEF CUT AFTER PANEL INSTALLATION, ON THE SAME DAY AS PANEL ERECTION.
- 2.) MAKE RELIEF CUT USING A CIRCULAR SAW WITH CARBIDE-TIPPED BLADE.
- 3.) LOCATE RELIEF CUT 6" (ABOVE OR BELOW) THE GIRT CLOSEST TO MID-LENGTH OF PANEL TO ENSURE THE LEAST DEFLECTION.



- 4.) RELIEF CUT DEPTH TO BE 1 1/4" IN ORDER TO PENETRATE FULL DEPTH OF FORMED PANEL JOINERY ON A 5° ANGLE (APPROXIMATELY).
- 5.) RELIEF CUT TO BE CONTINUOUS ACROSS FULL WIDTH OF WALL PLANE CUTTING ALL WALL PANELS.
- 6.) FILL CAVITY WITH NON-SKINNING BUTYL CAULK THEN INSERT DRIP FLASHING (RCF-01). THEN ATTACH COVER FLASHING (TIWBC) AT TOP SIDE EDGE ONLY USING 1/8" RIVETS AT 1'-0" O.C.

CONTINUOUS EXTERIOR RELIEF CUT - FIELD CUTTING

REQUIRED AT INSULATED WALL PANELS EXCEEDING MAXIMUM RECOMMENDED LENGTHS

WC64A
AW

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[To Section Index](#)

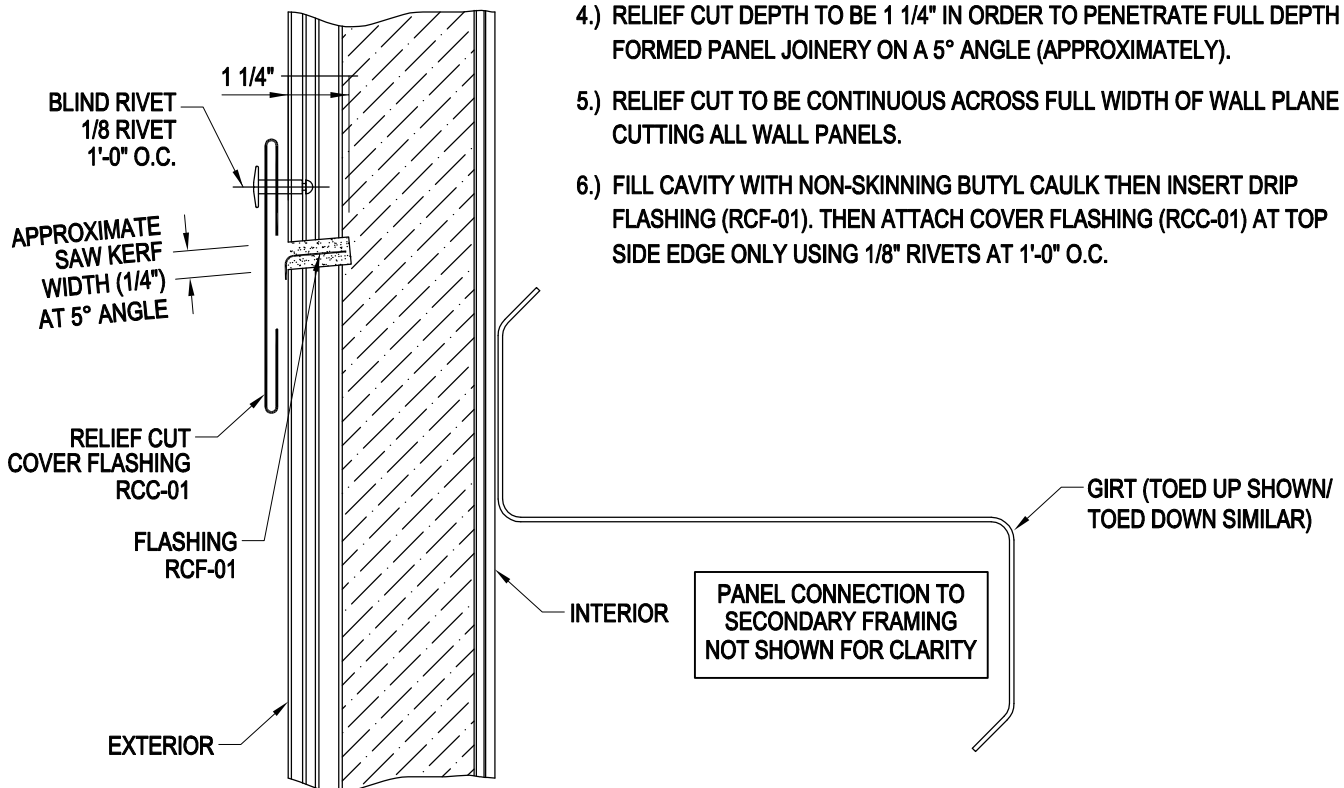
Continuous Exterior Relief Cut - Field Cutting

Required at Insulated Wall Panels Exceeding Maximum Recommended Lengths

WC64/AW

FIELD CUT, CONTINUOUS RELIEF CUT AT PANEL EXTERIOR

- 1.) FIELD CUT THE RELIEF CUT AFTER PANEL INSTALLATION, ON THE SAME DAY AS PANEL ERECTION.
- 2.) MAKE RELIEF CUT USING A CIRCULAR SAW WITH CARBIDE-TIPPED BLADE.
- 3.) LOCATE RELIEF CUT 6" (ABOVE OR BELOW) THE GIRT CLOSEST TO MID-LENGTH OF PANEL TO ENSURE THE LEAST DEFLECTION.
- 4.) RELIEF CUT DEPTH TO BE 1 1/4" IN ORDER TO PENETRATE FULL DEPTH OF FORMED PANEL JOINERY ON A 5° ANGLE (APPROXIMATELY).
- 5.) RELIEF CUT TO BE CONTINUOUS ACROSS FULL WIDTH OF WALL PLANE CUTTING ALL WALL PANELS.
- 6.) FILL CAVITY WITH NON-SKINNING BUTYL CAULK THEN INSERT DRIP FLASHING (RCF-01). THEN ATTACH COVER FLASHING (RCC-01) AT TOP SIDE EDGE ONLY USING 1/8" RIVETS AT 1'-0" O.C.



CONTINUOUS EXTERIOR RELIEF CUT - FIELD CUTTING

REQUIRED AT INSULATED WALL PANELS EXCEEDING MAXIMUM RECOMMENDED LENGTHS

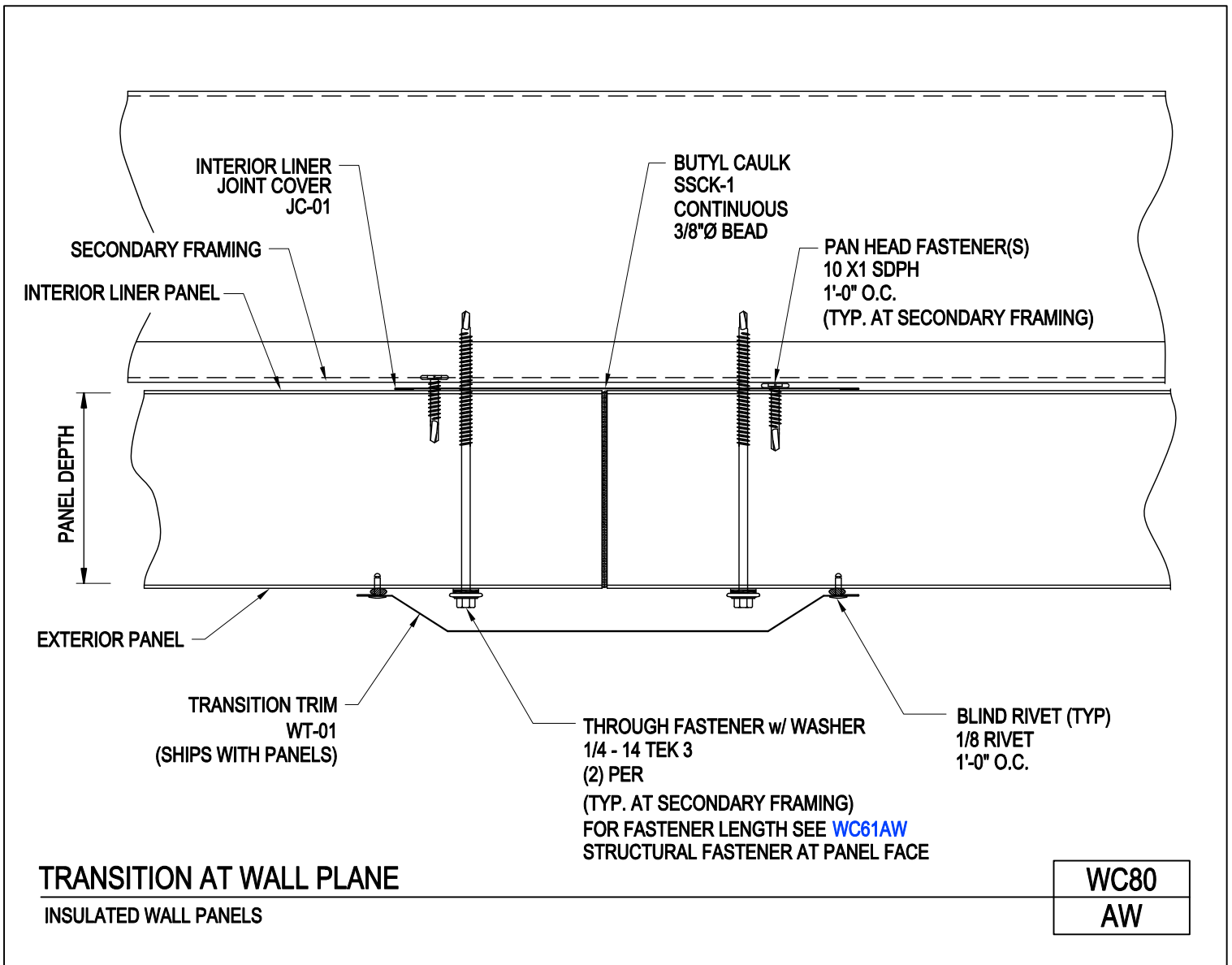
WC64

AW

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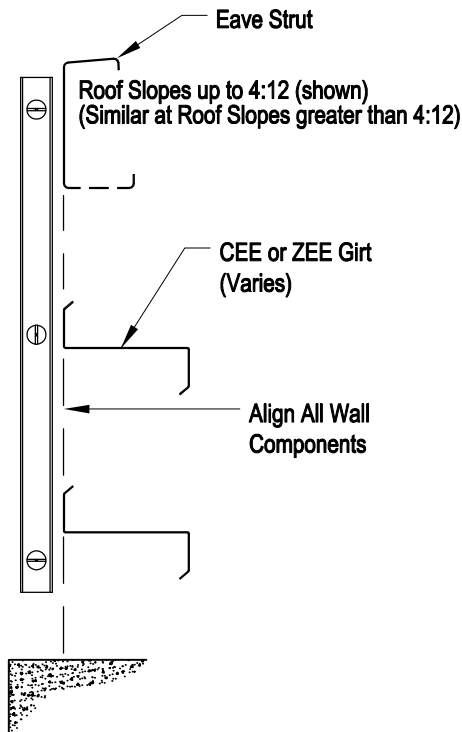
Transition at Wall Plane
Insulated Wall Panels
WC80/AW



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Panel Erection Notes
Insulated Wall Panels
WC91/AW



PRIOR TO PANEL INSTALLATION:

Review the Insulated Panel Product Manual.

After all secondary support steel is installed and plumb verify wall component alignment and plane flatness.

Components should not vary more than 1/2" over the wall plane.

Surface should not vary more than 1/4" over a 20' length in any direction.

Alignment at Transition areas, such as corners and eave, shall be within 1/8" of the theoretical plane to accommodate corner panels and formed flashing.

PANEL INSTALLATION:

Install panels in accordance with Erection Drawing details.

DO NOT OVERDRIVE FASTENERS

Overdriving fasteners can cause damage and distortion of the panel face.

DO NOT SKIP ATTACHMENTS AT SECONDARY SUPPORT MEMBERS

Panels must be attached at each girt line in progression.

Do not secure panels at top and bottom only.

Securing panels at top and bottom only can cause panels to bow and may make it impossible for them to return to their normal position,

EAVE STRUT (SHOWN)
OTHER EAVE MEMBERS SIMILAR

GIRTS (TOED UP SHOWN/
TOED DOWN SIMILAR)

PANEL ERECTION NOTES

INSULATED WALL PANELS

WC91
AW

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Pre-Assembled Personnel Door Panel Installation
Insulated Wall Panels
WD09B/AW

INSTALLATION PROCEDURES

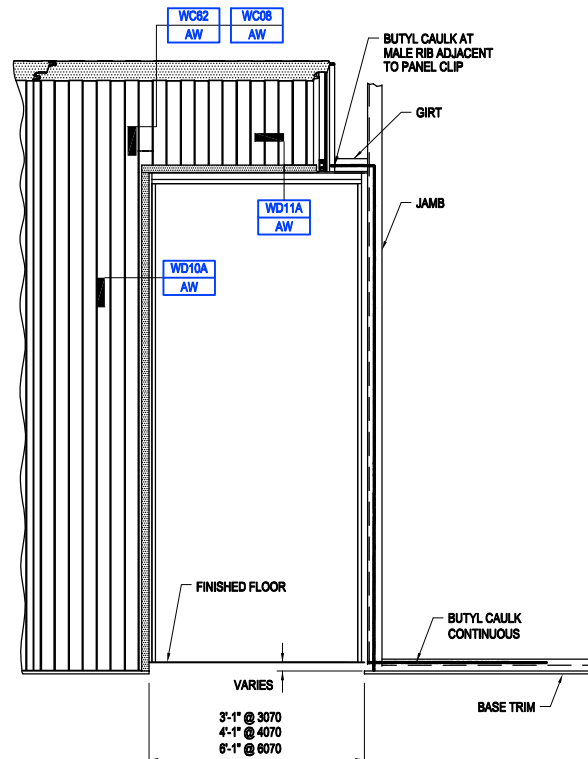
1. INSTALL WALK DOOR (PRIOR TO PANEL INSTALLATION).

2. FIELD CUT PANELS AS REQUIRED.

WHEN FIELD CUTTING PANELS OR TRIM DO NOT USE ABRASIVE SAWS OR OTHER CUTTING METHODS WHICH PRODUCE HOT METAL PARTICLES OR BURN THE CUT EDGES. THESE METHODS WILL DAMAGE THE PANEL FINISH AND VOID ANY WARRANTIES. USE NIBBLERS OR OTHER CUTTING DEVICES WHICH DO NOT PRODUCE HOT METAL PARTICLES OR BURNED EDGES. PROMPTLY CLEAN PANEL SURFACES TO REMOVE ANY METAL DUST OR FILINGS FROM CUTTING OPERATIONS.

3. INSTALL PRE-CUT PANELS PER DETAIL BELOW.

4. INSTALL HEADER AND JAMB TRIM.



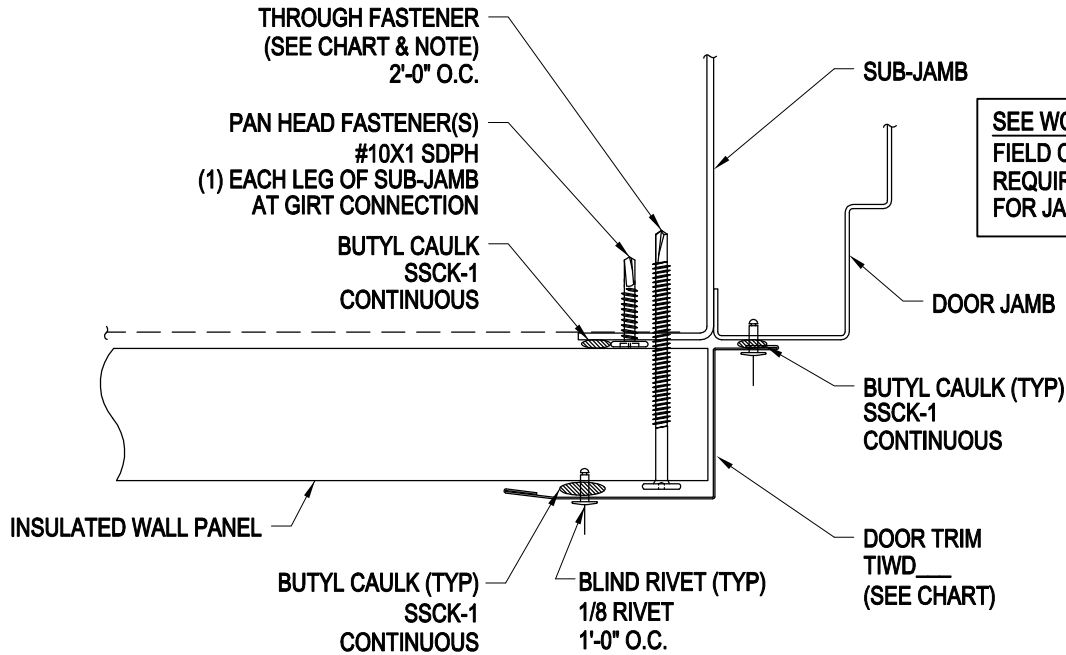
PRE-ASSEMBLED PERSONNEL DOOR PANEL INSTALLATION
INSULATED WALL PANELS

WD09B
AW

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

[To Section Index](#)

Section at Personnel Door Jamb
Insulated Wall Panels
WD10A/AW



PANEL THICKNESS	DOOR TRIM	THROUGH FASTENER
2"	TIWD200	#1/4-14X3 SDPH
2 1/2"	TIWD250	#1/4-14X4 SDPH
3"	TIWD300	#1/4-14X4 SDPH
4"	TIWD400	#1/4-14X5 SDPH

NOTE:

THE USE OF A CENTER PUNCH TO SLIGHTLY DIMPLE THE PANEL FACE PRIOR TO INSTALLING THE THROUGH FASTENERS IS RECOMMENDED TO PREVENT "WALKING" OF THE FASTENERS.

EXCESSIVE DAMAGE TO THE PANEL FINISH DURING INSTALLATION MAY VOID THE PANEL FINISH WARRANTY.

SECTION AT PERSONNEL DOOR JAMB

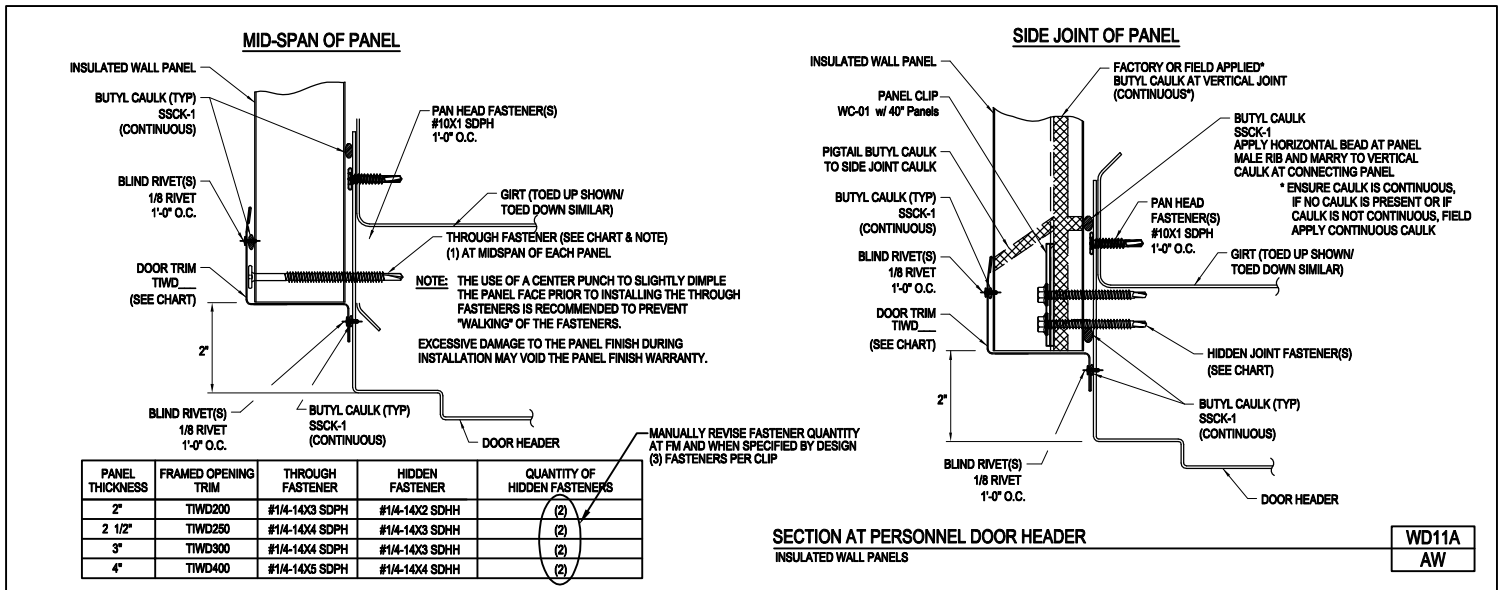
INSULATED WALL PANELS

WD10A
AW

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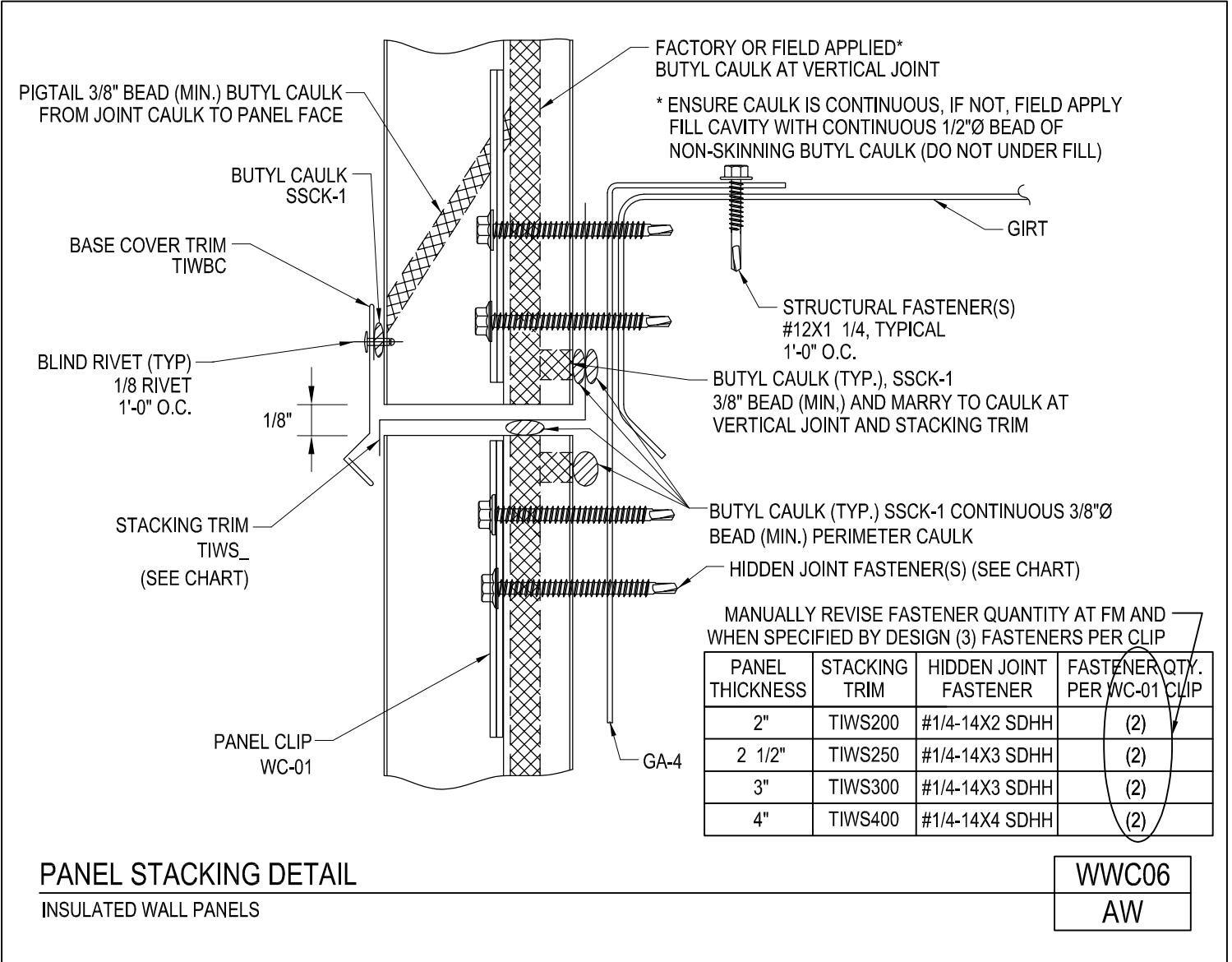
Section at Personnel Door Header
 Insulated Wall Panels
 WD11A/AW



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Panel Stacking Detail
Insulated Panels
WWC06/AW



PANEL STACKING DETAIL

INSULATED WALL PANELS

WWC06

AW

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